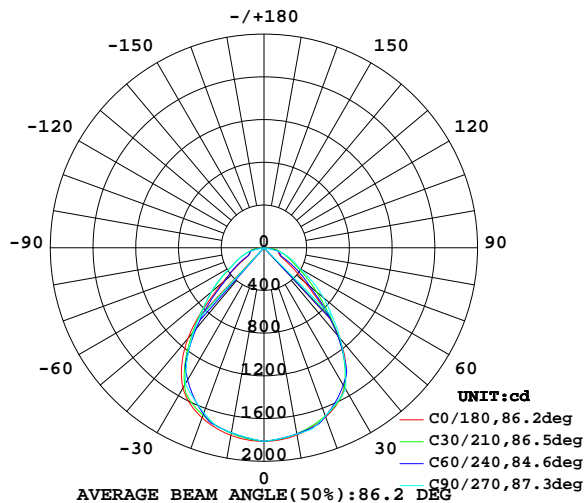


LUMINAIRE PHOTOMETRIC TEST REPORT

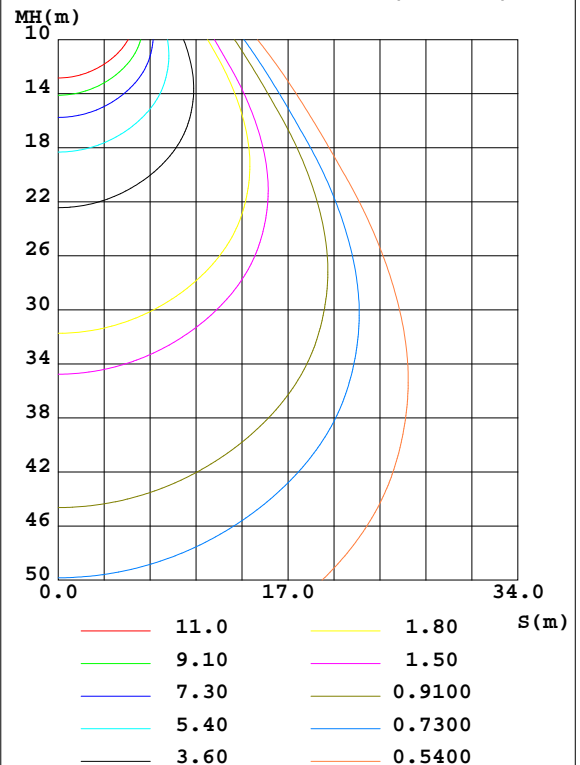
Test:U:229.9V I:0.1365A P:30.67W PF:0.9774 Lamp Flux:3603.69x1 lm		
NAME: IL-PD195US 3.000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:288*1188	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.50 lm/W			
MODEL	312-DMPU24-TW-	Imax(cd)	1813	S/MH(C0/180)	1.23
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3603.7	η UP,DN(C0-180)	0.0,51.1
NOMINAL FLUX(lm)	3603.69	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



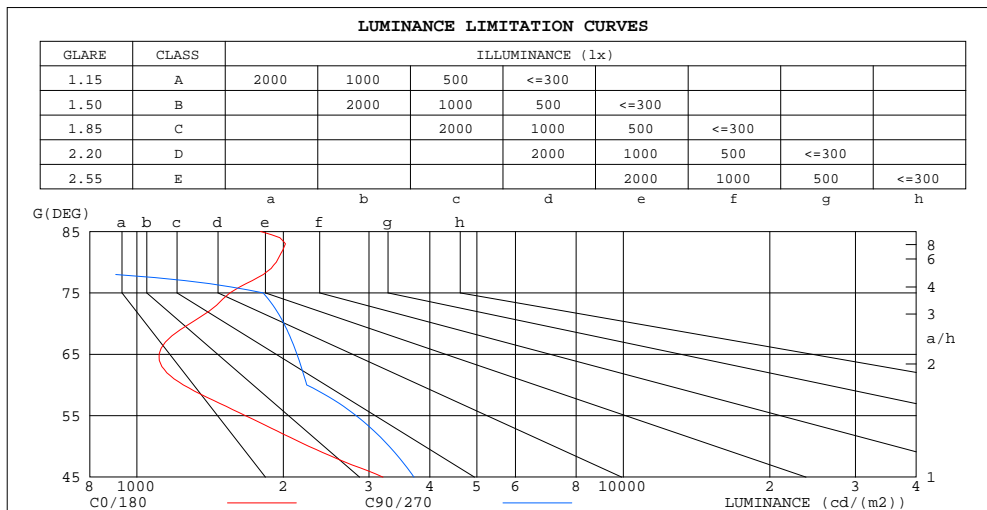
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.420m [K=1.0000]
Remarks: IL-PD195US 3.000K

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
5	1804	1794	1793	1795	1806	1790	1785	1789	0- 5	43.05	43.05	1.19,1.19
10	1780	1768	1773	1771	1784	1760	1758	1757	5- 10	127.3	170.4	4.73,4.73
15	1740	1734	1754	1739	1746	1724	1730	1718	10- 15	207.6	378.0	10.5,10.5
20	1687	1692	1679	1700	1694	1679	1644	1671	15- 20	280.9	658.9	18.3,18.3
25	1615	1596	1604	1604	1623	1570	1558	1562	20- 25	342.2	1001	27.8,27.8
30	1506	1469	1530	1477	1516	1425	1472	1418	25- 30	388.6	1390	38.6,38.6
35	1336	1310	1319	1319	1344	1246	1247	1239	30- 35	410.1	1800	49.9,49.9
40	1090	1103	1109	1110	1107	1022	1022	1018	35- 40	393.2	2193	60.9,60.9
45	775.4	832.7	898.0	832.7	789.3	759.7	796.8	752.4	40- 45	342.9	2536	70.4,70.4
50	496.5	601.9	726.1	592.1	504.6	540.9	645.8	523.8	45- 50	276.0	2812	78.78
55	327.9	424.2	554.2	400.9	327.3	373.7	494.9	345.3	50- 55	215.8	3028	84.84
60	213.1	344.3	382.3	318.1	208.8	310.3	343.9	285.0	55- 60	165.1	3193	88.6,88.6
65	160.6	272.8	308.5	250.8	156.6	251.9	275.1	233.8	60- 65	126.8	3319	92.1,92.1
70	150.4	217.1	234.7	204.1	141.1	202.0	206.3	191.1	65- 70	106.4	3426	95.1,95.1
75	137.5	171.9	160.9	165.8	133.5	156.2	137.5	151.9	70- 75	90.30	3516	97.6,97.6
80	115.0	104.6	0	100.8	108.2	90.23	0	91.45	75- 80	63.20	3579	99.3,99.3
85	53.57	0	0	0	54.13	0	0	0	80- 85	21.91	3601	99.9,99.9
90	0.5153	0	0	0	0.6100	0	0	0	85- 90	2.477	3604	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



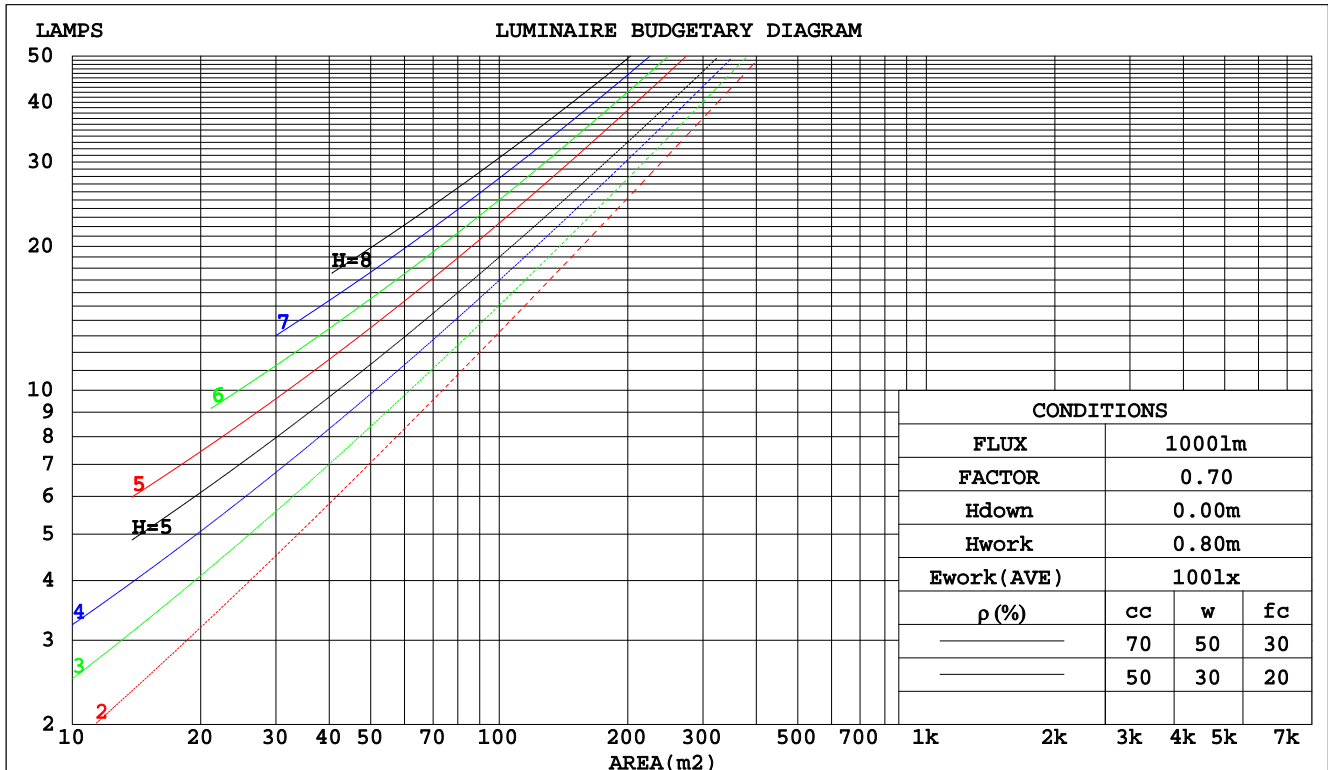
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.420m [K=1.0000]
Remarks: IL-PD195US 3.000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.9V I:0.1365A P:30.67W PF:0.9774 Lamp Flux:3603.69x1 lm		
NAME: IL-PD195US 3.000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:288*1188	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.07	1.03	.00	1.04	1.01	.98	1.00	.98	.95	.96	.94	.92	.93	.91	.90	.88
2.0	.95	.89	.85	.93	.88	.84	.90	.85	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.73	.84	.77	.72	.81	.75	.71	.78	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.76	.69	.63	.73	.67	.62	.71	.66	.61	.69	.64	.61	.59
5.0	.70	.62	.56	.69	.61	.56	.67	.60	.55	.65	.59	.55	.63	.58	.54	.52
6.0	.64	.56	.50	.63	.55	.50	.61	.54	.49	.60	.54	.49	.58	.53	.49	.47
7.0	.58	.51	.45	.58	.50	.45	.56	.49	.45	.55	.49	.44	.54	.48	.44	.42
8.0	.54	.46	.41	.53	.46	.41	.52	.45	.40	.51	.45	.40	.50	.44	.40	.38
9.0	.50	.42	.37	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.41	.36	.35
10.0	.46	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.34	.43	.37	.34	.32



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-08-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.420m [K=1.0000]
Remarks: IL-PD195US 3.000K

WEC AND CCEC

Test:U:229.9V I:0.1365A P:30.67W PF:0.9774 Lamp Flux:3603.69x1 lm					
NAME: IL-PD195US 3.000K			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:288*1188		PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.257	.146	.046	.250	.142	.045	.237	.136	.043	.225	.130	.042	.214	.124	.040	
2.0	.246	.135	.041	.240	.132	.041	.229	.127	.040	.218	.122	.038	.209	.118	.037	
3.0	.231	.123	.037	.226	.121	.036	.216	.117	.036	.207	.113	.035	.198	.110	.034	
4.0	.216	.112	.033	.212	.111	.033	.203	.108	.032	.195	.105	.032	.188	.102	.031	
5.0	.203	.103	.030	.199	.102	.030	.191	.099	.029	.184	.097	.029	.177	.095	.028	
6.0	.190	.095	.027	.187	.094	.027	.180	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.179	.088	.025	.176	.087	.025	.169	.086	.025	.164	.084	.024	.158	.082	.024	
8.0	.168	.082	.023	.166	.082	.023	.160	.080	.023	.155	.079	.023	.150	.077	.022	
9.0	.159	.077	.022	.157	.076	.021	.152	.075	.021	.147	.074	.021	.143	.072	.021	
10.0	.151	.072	.020	.148	.072	.020	.144	.071	.020	.140	.069	.020	.136	.068	.020	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.139	.151	.134	.119	.103	.092	.082	.060	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.098	.079	.062	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.135	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.008	
5.0	.141	.089	.051	.121	.077	.045	.084	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.115	.070	.037	.080	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.036	.110	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.122	.068	.031	.105	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.116	.063	.027	.100	.055	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.096	.051	.021	.066	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PD195US 3.000K

UGR(Unified Glare Rating) Table

Test:U:229.9V I:0.1365A P:30.67W PF:0.9774 Lamp Flux:3603.69x1 lm										
NAME: IL-PD195US 3.000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:288*1188			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	14.7	16.0	15.0	16.2	16.4	15.2	16.5	15.5	16.7	16.9
3H	15.4	16.7	15.7	16.9	17.1	16.2	17.4	16.5	17.7	17.9
4H	16.0	17.1	16.3	17.4	17.6	16.8	17.9	17.1	18.2	18.4
6H	16.6	17.7	16.9	17.9	18.2	16.8	17.9	17.2	18.2	18.5
8H	16.8	17.9	17.2	18.2	18.4	16.8	17.8	17.1	18.1	18.4
12H	17.0	18.0	17.4	18.3	18.6	16.7	17.8	17.1	18.0	18.3
4H 2H	15.1	16.3	15.4	16.5	16.7	15.5	16.6	15.8	16.9	17.1
3H	16.2	17.2	16.6	17.5	17.8	16.6	17.6	16.9	17.9	18.2
4H	17.0	17.9	17.3	18.2	18.5	17.3	18.2	17.7	18.6	18.9
6H	17.8	18.6	18.2	18.9	19.3	17.4	18.3	17.8	18.6	19.0
8H	18.1	18.9	18.5	19.2	19.6	17.4	18.2	17.8	18.5	18.9
12H	18.4	19.0	18.8	19.4	19.8	17.4	18.0	17.8	18.4	18.8
8H 4H	17.3	18.1	17.7	18.4	18.8	17.6	18.4	18.0	18.7	19.1
6H	18.3	19.0	18.8	19.4	19.8	17.8	18.4	18.2	18.8	19.2
8H	18.8	19.4	19.3	19.8	20.3	17.7	18.3	18.2	18.7	19.2
12H	19.2	19.7	19.7	20.1	20.6	17.7	18.2	18.2	18.6	19.1
12H 4H	17.3	18.0	17.7	18.3	18.7	17.7	18.4	18.1	18.7	19.1
6H	18.3	18.9	18.8	19.3	19.8	17.9	18.4	18.3	18.8	19.3
8H	18.9	19.3	19.3	19.8	20.3	17.8	18.3	18.3	18.7	19.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				
1.5H	+ 0.2 / - 0.6					+ 0.4 / - 0.7				
2.0H	+ 0.6 / - 1.0					+ 1.1 / - 1.4				

CIE Pub.117 Corrected 3604 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.5)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-08-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.420m [K=1.0000]
Remarks: IL-PD195US 3.000K

UTILIZATION FACTORS TABLE

Test:U:229.9V I:0.1365A P:30.67W PF:0.9774 Lamp Flux:3603.69x1 lm		
NAME: IL-PD195US 3.000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:288*1188	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	67	57	51	67	57	51	65	57	51	46
0.80	77	67	61	76	67	61	74	66	60	55
1.00	84	75	69	83	75	69	81	75	68	62
1.25	91	82	76	89	81	76	87	80	75	69
1.50	95	87	81	93	86	81	91	84	80	73
2.00	100	93	88	99	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	99	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PD195US 3.000K

ISOCANDELA DIAGRAM

Test:U:229.9V I:0.1365A P:30.67W PF:0.9774 Lamp Flux:3603.69x1 lm		
NAME: IL-PD195US 3.000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:288*1188	PROTECTION ANGLE:

Conical surface Flux(90deg):

2535.8 lm

%lum = 70.4%

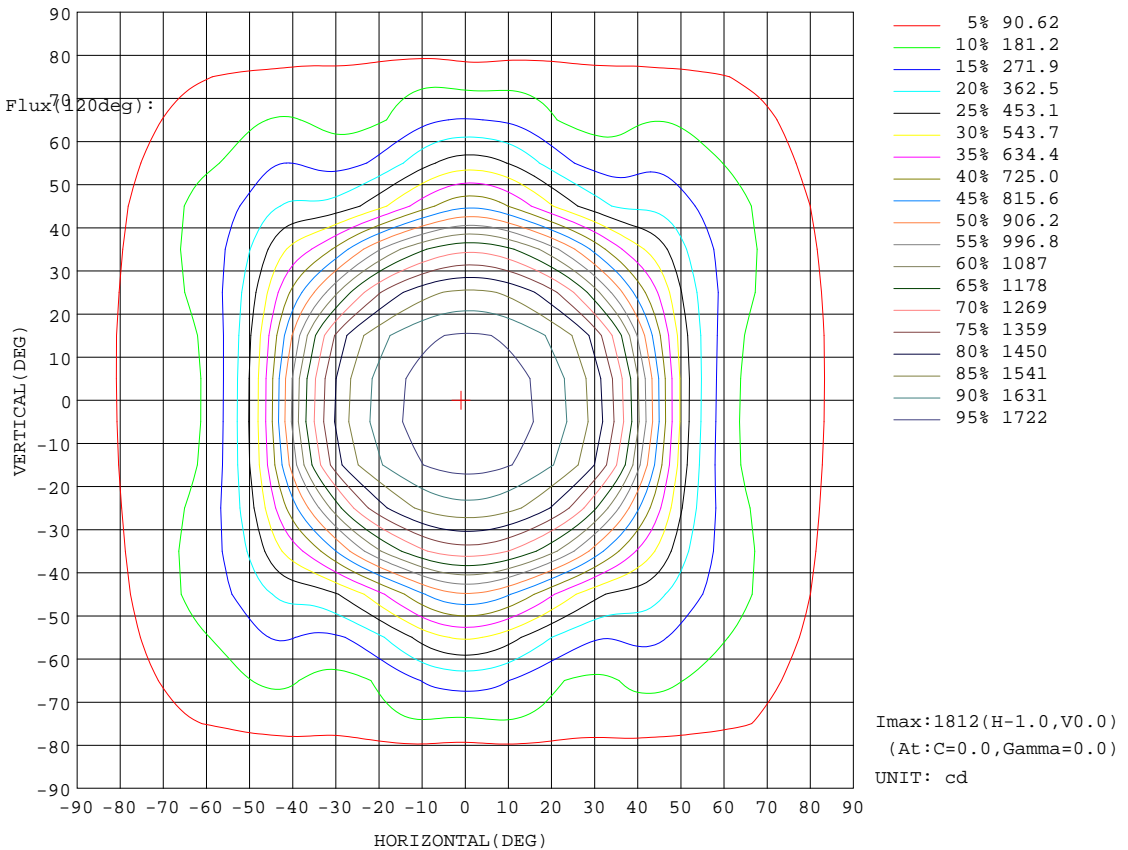
%lamp = 70.4%

Conical surface Flux(70deg):

3192.7 lm

%lum = 88.6%

%lamp = 88.6%



C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:2023-08-14

 γ Range: 0 - 90DEG γ Interval: 0.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286

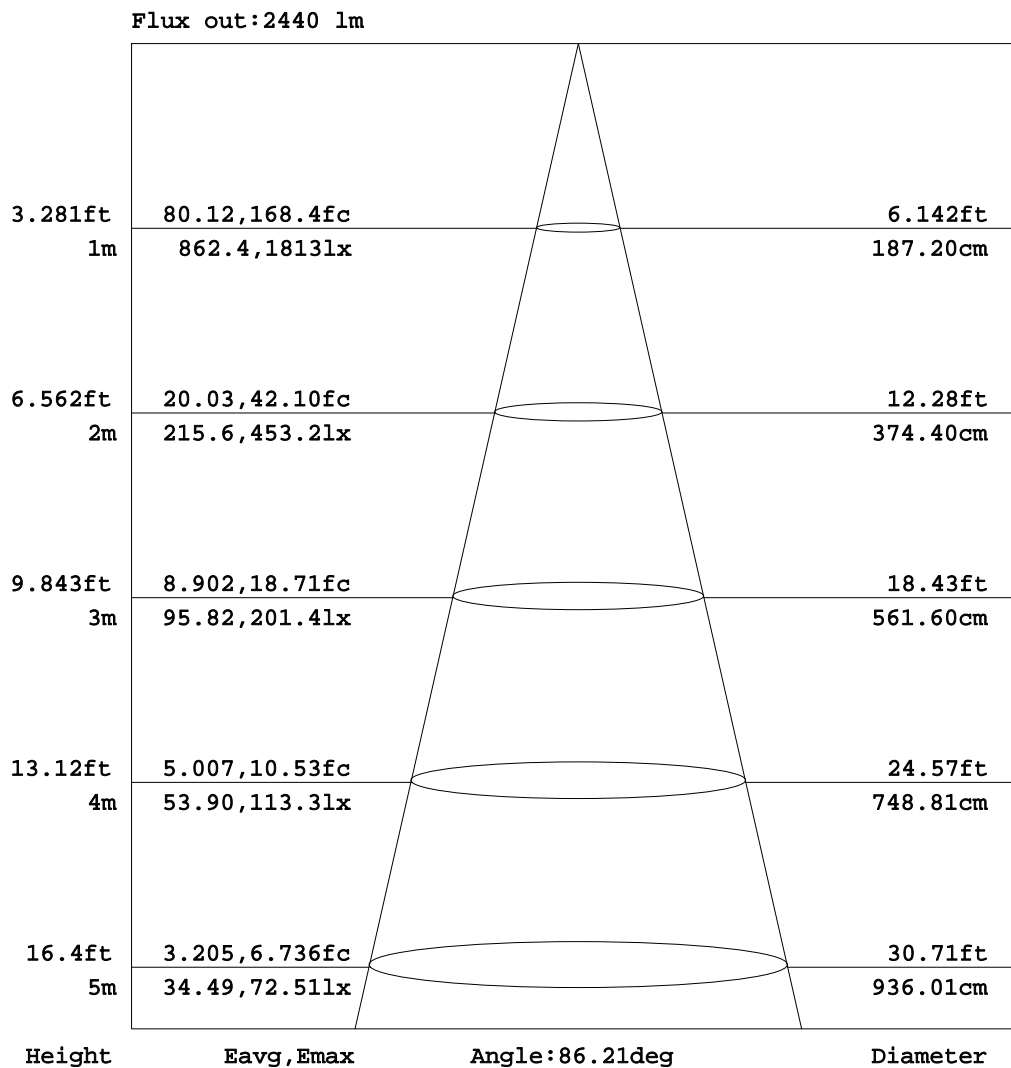
Humidity:65.0%

Test Distance:13.420m [K=1.0000]

Remarks: IL-PD195US 3.000K

AAI Figure

Test:U:229.9V I:0.1365A P:30.67W PF:0.9774 Lamp Flux:3603.69x1 lm		
NAME: IL-PD195US 3.000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:288*1188	PROTECTION ANGLE:



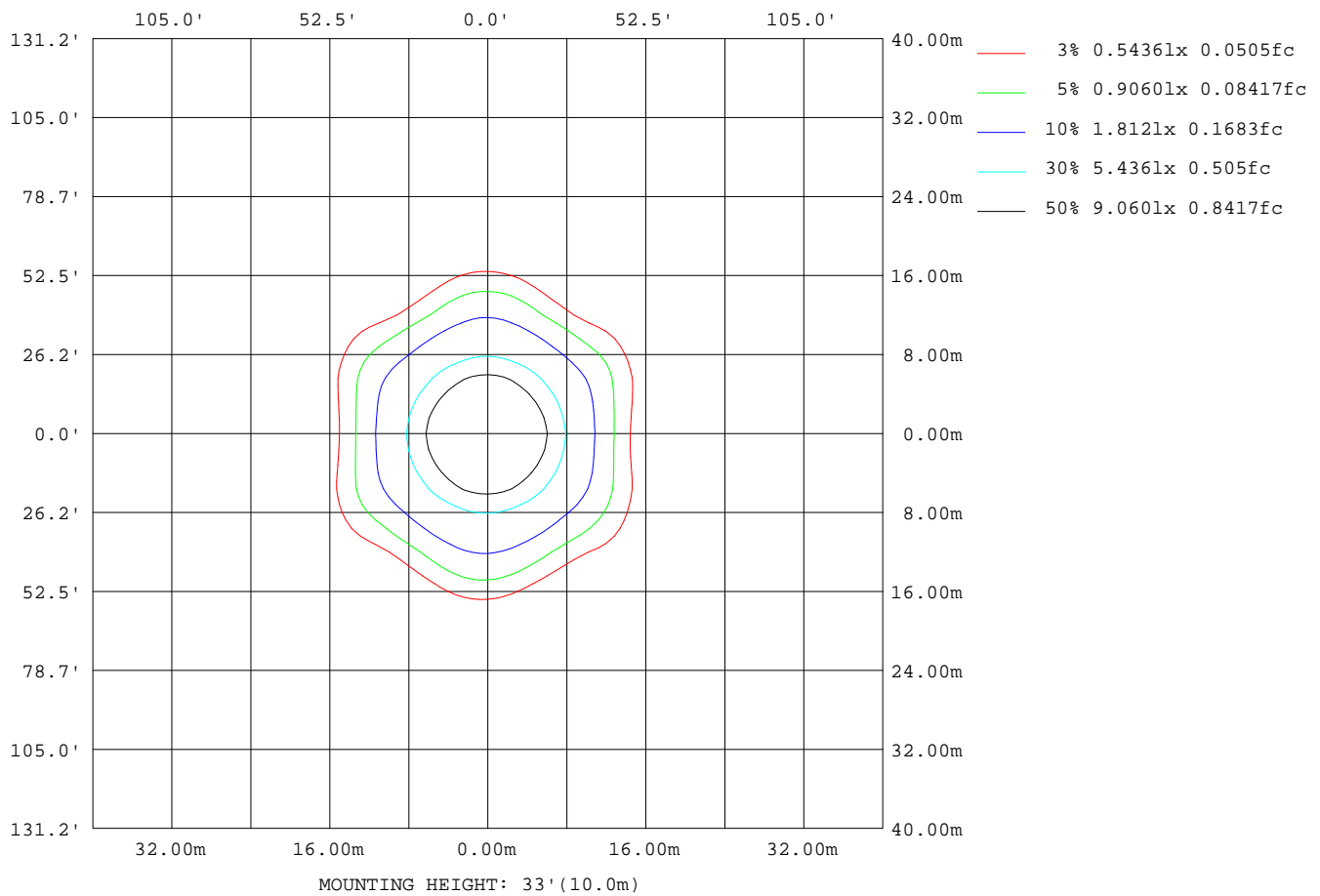
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-08-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.420m [K=1.0000]
Remarks: IL-PD195US 3.000K

ISOLUX DIAGRAM

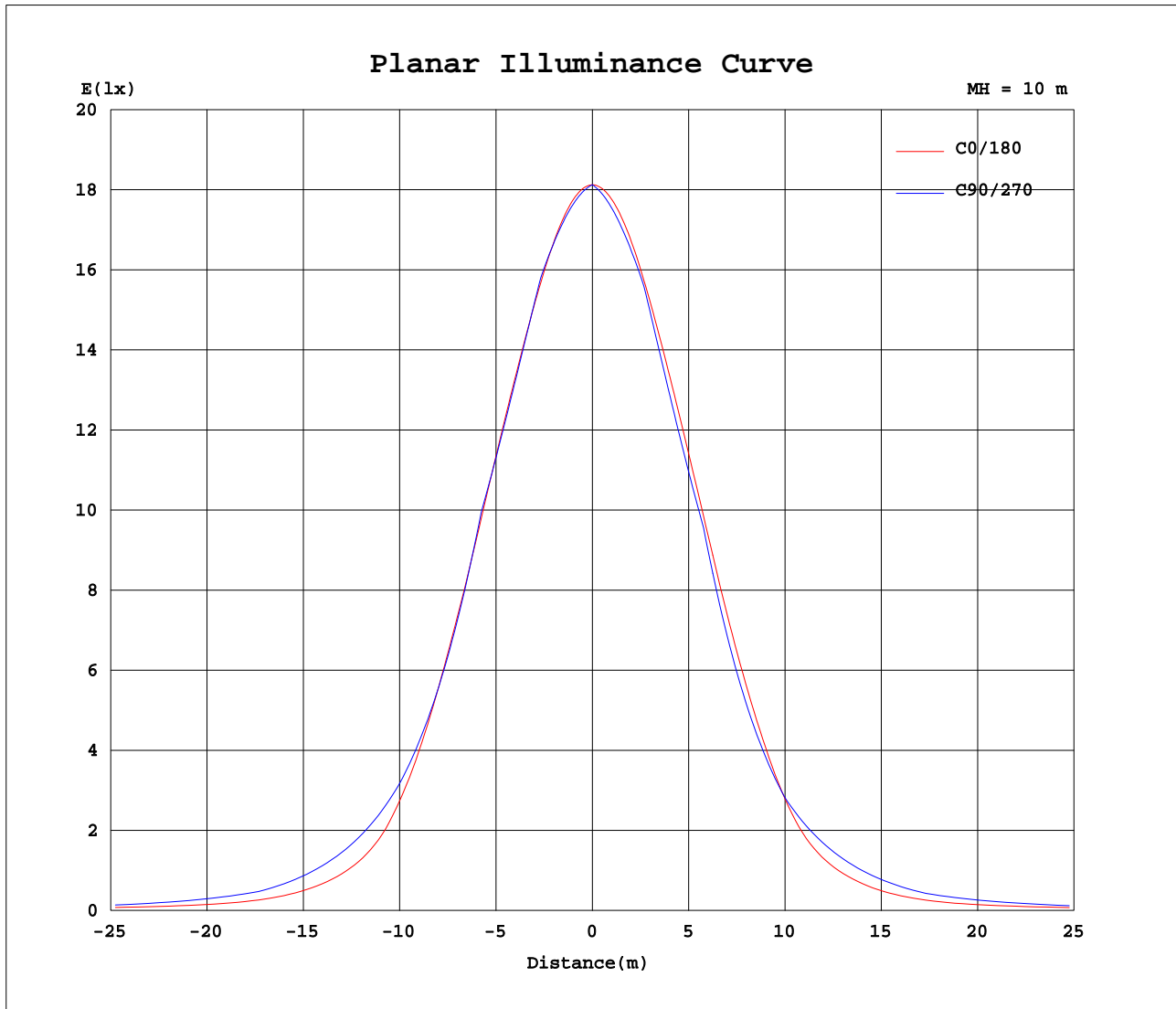
Test:U:229.9V I:0.1365A P:30.67W PF:0.9774 Lamp Flux:3603.69x1 lm		
NAME: IL-PD195US 3.000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:288*1188	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.420m [K=1.0000]
Remarks: IL-PD195US 3.000K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.420m [K=1.0000]
Remarks: IL-PD195US 3.000K

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	1813	1813	1813	1813	1813	1813	1813	1813	1813	1813
2.5	1810	1809	1808	1808	1807	1806	1806	1805	1805	1804
5.0	1804	1802	1801	1799	1798	1797	1796	1795	1795	1794
7.5	1794	1791	1789	1787	1786	1785	1784	1783	1782	1782
10.0	1780	1777	1774	1772	1770	1769	1768	1768	1768	1768
12.5	1762	1758	1755	1752	1751	1750	1750	1750	1751	1752
15.0	1740	1735	1732	1729	1728	1727	1728	1729	1731	1734
17.5	1715	1710	1706	1703	1702	1702	1704	1706	1710	1714
20.0	1687	1680	1676	1673	1673	1674	1677	1681	1686	1692
22.5	1654	1646	1641	1639	1639	1642	1646	1653	1660	1650
25.0	1615	1606	1601	1599	1601	1605	1612	1621	1606	1596
27.5	1567	1556	1550	1549	1553	1562	1573	1558	1544	1536
30.0	1506	1492	1486	1488	1496	1509	1505	1485	1473	1469
32.5	1427	1412	1407	1411	1424	1443	1416	1399	1393	1394
35.0	1336	1318	1312	1319	1338	1336	1314	1302	1301	1310
37.5	1225	1203	1199	1210	1237	1218	1201	1195	1199	1216
40.0	1090	1068	1065	1082	1103	1091	1083	1080	1090	1103
42.5	936.8	918.4	921.8	943.9	958.2	959.3	960.7	964.4	971.8	963.8
45.0	775.4	764.7	777.3	807.8	824.3	835.0	842.2	849.0	844.0	832.7
47.5	617.2	614.8	636.8	674.5	702.7	725.7	735.8	737.6	729.1	711.5
50.0	496.5	496.6	516.8	552.6	591.2	628.6	646.2	640.3	627.8	601.9
52.5	404.7	405.1	423.7	454.2	494.3	540.4	562.9	561.1	541.3	504.9
55.0	327.9	330.3	348.7	379.4	417.4	459.4	485.2	489.0	467.2	424.2
57.5	264.0	268.8	287.6	321.1	359.5	390.5	415.9	424.6	406.0	382.7
60.0	213.1	220.5	241.1	277.0	314.5	338.7	359.2	367.1	366.3	344.3
62.5	180.0	187.1	207.9	244.0	276.6	299.4	315.3	325.3	327.8	307.9
65.0	160.6	167.3	186.4	220.2	247.0	269.7	280.3	287.5	292.0	272.8
67.5	152.1	158.3	175.5	200.3	223.5	245.6	248.1	253.2	257.2	238.8
70.0	150.4	157.7	171.4	186.1	205.3	215.6	218.1	221.8	225.1	217.1
72.5	147.3	155.3	168.3	174.1	186.4	188.9	190.1	193.8	199.0	195.1
75.0	137.5	143.3	155.0	160.9	165.2	166.4	165.5	169.9	173.8	171.9
77.5	131.2	131.7	136.8	141.0	145.2	146.0	144.6	147.3	149.7	147.9
80.0	115.0	112.4	116.5	118.5	123.0	124.8	124.4	125.8	126.4	104.6
82.5	89.65	85.51	87.83	91.23	97.20	103.4	100.4	67.27	38.95	14.25
85.0	53.57	52.48	59.44	60.19	63.73	31.72	0	0	0	0
87.5	11.45	20.62	24.65	0	0	0	0	0	0	0
90.0	0.5153	0	0	0	0	0	0	0	0	0
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	1813	1813	1813	1813	1813	1813	1813	1813	1813	1813
2.5	1804	1804	1803	1803	1803	1803	1803	1803	1803	1803
5.0	1794	1794	1793	1793	1793	1793	1793	1793	1793	1793
7.5	1782	1782	1782	1782	1782	1783	1783	1783	1783	1783
10.0	1769	1769	1770	1771	1772	1773	1773	1773	1773	1773
12.5	1753	1755	1757	1758	1760	1762	1762	1763	1764	1763
15.0	1737	1740	1743	1746	1748	1750	1752	1753	1754	1754
17.5	1719	1724	1725	1721	1719	1717	1717	1716	1716	1717
20.0	1691	1686	1682	1680	1679	1678	1679	1679	1679	1679
22.5	1643	1638	1637	1637	1637	1639	1640	1641	1642	1642
25.0	1590	1588	1589	1592	1595	1598	1601	1604	1604	1604
27.5	1533	1534	1538	1544	1551	1558	1562	1566	1567	1567
30.0	1470	1476	1484	1495	1506	1516	1523	1528	1530	1529
32.5	1402	1414	1428	1444	1433	1427	1425	1424	1424	1426
35.0	1326	1346	1333	1321	1315	1314	1315	1317	1319	1320
37.5	1232	1217	1204	1196	1195	1199	1205	1211	1214	1214
40.0	1093	1081	1072	1069	1073	1082	1094	1103	1109	1108
42.5	954.9	945.2	939.1	940.4	949.4	964.6	981.8	996.0	1003	1002
45.0	821.2	810.7	805.5	810.2	824.6	845.6	869.4	888.5	898.0	895.3
47.5	693.4	679.1	672.2	678.9	709.1	744.3	776.6	800.6	812.1	808.4
50.0	573.6	551.4	558.2	586.8	620.5	655.4	688.4	713.8	726.1	722.5
52.5	462.6	466.2	480.3	503.3	533.4	567.2	600.7	627.0	640.2	636.7
55.0	405.0	399.6	406.4	422.7	448.0	479.8	513.2	540.1	554.2	550.8
57.5	354.4	338.2	336.2	344.9	364.4	393.2	426.1	453.3	468.2	464.9
60.0	309.0	281.1	269.4	269.8	282.4	307.3	339.3	366.6	382.3	379.2
62.5	267.8	228.2	205.8	199.8	226.9	263.8	302.7	331.3	345.4	341.0
65.0	229.6	184.0	176.5	187.2	210.8	242.8	275.8	298.4	308.5	304.9
67.5	207.3	176.5	167.1	175.2	195.7	222.8	249.5	265.8	271.6	269.0
70.0	195.0	168.3	157.9	164.0	181.4	203.7	223.9	233.5	234.7	233.3
72.5	179.8	158.8	149.1	153.2	167.7	185.4	198.8	201.4	197.8	197.7
75.0	162.5	148.3	140.2	142.9	154.7	167.8	174.2	169.5	160.9	162.2
77.5	143.6	136.5	116.3	102.8	98.18	96.08	92.40	85.99	80.46	82.22
80.0	80.68	58.51	40.24	27.64	18.75	11.32	5.195	1.264	0	1.209
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.420m [K=1.0000]
 Remarks: IL-PD195US 3.000K

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	1813	1813	1813	1813	1813	1813	1813	1813	1813	1813
2.5	1803	1803	1803	1803	1804	1804	1804	1805	1805	1806
5.0	1793	1793	1793	1794	1794	1794	1795	1795	1796	1797
7.5	1783	1783	1783	1783	1783	1784	1784	1784	1784	1785
10.0	1773	1773	1773	1772	1772	1771	1771	1771	1771	1771
12.5	1763	1763	1762	1761	1760	1758	1757	1756	1755	1755
15.0	1753	1752	1751	1749	1746	1744	1742	1739	1737	1736
17.5	1718	1719	1722	1725	1729	1729	1725	1721	1717	1713
20.0	1680	1681	1682	1685	1688	1692	1698	1700	1694	1688
22.5	1642	1642	1642	1643	1644	1646	1650	1658	1668	1661
25.0	1604	1603	1601	1598	1596	1596	1598	1604	1615	1630
27.5	1565	1562	1558	1552	1546	1542	1540	1544	1553	1568
30.0	1526	1521	1514	1503	1493	1483	1478	1477	1482	1496
32.5	1429	1435	1442	1452	1436	1421	1410	1403	1402	1412
35.0	1321	1322	1324	1329	1340	1354	1334	1319	1312	1315
37.5	1212	1208	1203	1202	1209	1223	1240	1225	1209	1206
40.0	1102	1092	1080	1074	1077	1086	1098	1110	1097	1089
42.5	991.9	974.5	955.1	943.5	942.5	948.3	958.3	967.8	975.7	970.6
45.0	880.7	855.5	828.3	812.1	807.1	811.3	821.7	832.7	844.2	855.6
47.5	789.2	755.4	712.1	679.7	671.5	676.6	690.7	707.0	725.3	743.0
50.0	702.7	668.6	626.3	589.4	556.0	546.0	566.6	592.1	619.6	645.7
52.5	616.7	582.9	542.5	507.4	478.2	459.2	451.0	488.6	528.5	562.1
55.0	531.0	497.9	460.0	427.7	404.0	392.1	390.4	400.9	450.8	489.8
57.5	445.7	413.9	378.8	350.2	333.1	328.8	336.2	356.9	387.0	425.9
60.0	360.9	331.1	299.1	275.2	265.7	269.7	287.1	318.1	352.8	369.7
62.5	321.3	286.2	243.5	205.2	201.3	214.4	242.4	283.2	319.9	331.4
65.0	290.4	261.7	224.7	191.6	171.3	167.8	201.6	250.8	288.1	296.2
67.5	260.1	238.3	207.4	179.0	161.6	159.7	180.0	220.2	257.2	262.7
70.0	230.4	215.9	191.3	167.4	152.1	151.8	171.5	204.1	227.9	231.1
72.5	201.4	194.4	176.2	156.5	143.1	143.4	161.0	186.4	201.8	201.0
75.0	172.8	173.6	161.9	146.3	134.3	134.5	148.6	165.8	174.8	172.5
77.5	91.58	99.12	102.6	105.3	111.1	125.0	134.4	143.1	147.7	145.5
80.0	5.154	11.68	19.60	28.23	38.28	53.59	76.43	100.8	121.0	119.9
82.5	0	0	0	0	0	0	0	13.72	37.14	62.58
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	1813	1813	1813	1813	1813	1813	1813	1813	1813	1813
2.5	1806	1807	1808	1808	1809	1810	1811	1810	1808	1807
5.0	1798	1799	1800	1801	1802	1804	1806	1803	1801	1799
7.5	1786	1787	1789	1790	1792	1794	1797	1793	1790	1787
10.0	1772	1773	1774	1776	1778	1781	1784	1779	1775	1772
12.5	1755	1755	1756	1758	1760	1763	1767	1762	1757	1753
15.0	1734	1734	1734	1736	1738	1742	1746	1740	1734	1730
17.5	1711	1709	1709	1710	1713	1717	1722	1714	1708	1704
20.0	1684	1682	1680	1681	1683	1688	1694	1685	1678	1673
22.5	1655	1650	1648	1647	1649	1654	1662	1651	1643	1638
25.0	1621	1614	1610	1608	1609	1614	1623	1610	1602	1597
27.5	1583	1573	1565	1561	1561	1566	1576	1561	1551	1547
30.0	1518	1523	1511	1503	1500	1505	1516	1498	1487	1485
32.5	1431	1461	1441	1427	1421	1425	1438	1417	1406	1405
35.0	1329	1354	1355	1335	1325	1328	1344	1319	1308	1310
37.5	1215	1234	1256	1228	1214	1216	1234	1206	1194	1199
40.0	1094	1107	1126	1107	1088	1087	1107	1077	1067	1075
42.5	972.8	980.4	986.2	974.7	948.6	941.3	955.7	932.0	929.2	943.0
45.0	857.9	858.5	852.5	839.6	802.6	784.0	789.3	776.0	785.6	811.5
47.5	754.1	748.4	729.6	702.8	659.7	632.7	630.3	627.4	648.1	681.9
50.0	662.2	651.1	616.4	577.5	536.8	510.2	504.6	505.8	527.6	562.9
52.5	577.0	563.6	517.9	475.0	440.0	414.8	409.4	411.0	432.0	463.1
55.0	500.2	481.5	437.7	396.0	361.7	336.4	327.3	333.1	354.6	386.0
57.5	430.7	409.1	376.8	333.3	297.1	271.9	261.4	269.3	291.3	325.5
60.0	372.2	353.6	326.3	286.6	248.0	221.7	208.8	219.8	243.8	280.4
62.5	326.0	310.7	286.5	253.5	213.2	186.7	174.7	186.0	211.1	249.2
65.0	289.8	279.0	257.6	231.4	191.9	166.8	156.6	167.1	191.6	229.3
67.5	256.2	254.2	236.2	212.4	180.0	155.6	146.4	156.4	180.2	211.0
70.0	223.6	222.7	219.1	195.7	173.5	150.9	141.1	151.2	172.9	193.5
72.5	192.3	192.6	195.8	181.4	168.8	147.8	137.7	147.9	167.3	177.8
75.0	164.1	164.1	168.3	166.9	156.3	141.9	133.5	143.0	155.6	162.5
77.5	139.7	139.5	143.1	142.2	137.3	128.2	122.8	129.7	137.7	139.3

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: DAMIN

Test Date: 2023-08-14

γ Range: 0 - 90DEG

γ Interval: 0.5DEG

Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286

Humidity: 65.0%

Test Distance: 13.420m [K=1.0000]

Remarks: IL-PD195US 3.000K

Photometric Data Table [cd]

80.0	117.0	117.6	118.5	117.0	114.6	107.2	108.2	110.9	116.3	114.6
82.5	91.41	95.86	93.69	90.77	86.00	80.94	84.99	86.93	86.64	87.24
85.0	0	29.20	62.18	62.05	57.81	52.30	54.13	58.41	55.78	56.45
87.5	0	0	0	0	24.35	20.43	13.82	18.92	21.60	0
90.0	0	0	0	0	0	0	0.6100	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	1813	1813	1813	1813	1813	1813	1813	1813	1813	1813
2.5	1806	1805	1804	1803	1803	1802	1801	1801	1800	1800
5.0	1797	1795	1794	1792	1791	1790	1789	1788	1787	1786
7.5	1785	1782	1780	1779	1777	1776	1775	1774	1773	1773
10.0	1769	1766	1764	1763	1761	1760	1759	1759	1759	1758
12.5	1750	1747	1745	1744	1743	1743	1743	1743	1743	1743
15.0	1727	1724	1723	1723	1723	1724	1724	1726	1727	1728
17.5	1700	1699	1698	1699	1700	1702	1705	1707	1706	1700
20.0	1670	1669	1670	1672	1675	1679	1675	1665	1657	1652
22.5	1636	1635	1638	1642	1647	1632	1619	1611	1606	1603
25.0	1595	1597	1602	1608	1587	1570	1560	1553	1551	1551
27.5	1548	1552	1560	1538	1516	1502	1494	1491	1492	1496
30.0	1488	1497	1487	1457	1436	1425	1422	1424	1430	1438
32.5	1414	1428	1391	1363	1346	1340	1343	1352	1364	1378
35.0	1323	1314	1281	1258	1246	1246	1256	1274	1261	1247
37.5	1219	1191	1163	1143	1135	1142	1152	1138	1125	1115
40.0	1086	1063	1042	1024	1019	1022	1011	999.0	988.2	981.7
42.5	948.9	939.4	923.4	907.3	897.8	885.9	874.3	861.5	851.0	847.0
45.0	821.8	824.0	815.5	797.7	777.9	759.7	743.4	727.6	715.0	711.7
47.5	704.7	721.6	720.8	699.5	671.7	644.5	620.0	598.1	581.0	576.5
50.0	597.8	628.4	637.3	614.9	579.4	540.9	505.2	474.1	472.9	498.0
52.5	502.0	543.7	556.8	540.2	500.4	449.3	399.5	399.2	409.1	429.5
55.0	424.6	463.5	481.7	472.8	431.8	373.7	352.2	344.4	348.2	363.3
57.5	364.9	393.2	412.9	411.0	373.8	340.8	310.7	293.6	290.1	299.3
60.0	317.3	339.3	354.6	355.1	342.7	310.3	273.4	246.4	234.7	237.4
62.5	278.2	296.8	308.3	316.1	311.0	280.9	239.3	202.8	181.7	179.6
65.0	249.9	265.9	272.6	280.2	278.9	251.9	207.2	166.3	157.6	169.3
67.5	228.7	241.4	240.0	246.9	247.1	222.7	187.8	159.6	150.4	159.7
70.0	212.0	210.9	208.3	215.4	216.8	202.0	176.1	152.1	143.0	150.9
72.5	189.8	182.1	177.6	185.7	189.5	180.0	161.8	143.2	135.6	142.5
75.0	163.9	155.7	151.0	159.0	162.2	156.2	145.3	133.1	128.0	134.5
77.5	139.9	133.6	129.8	134.3	135.5	131.1	126.9	121.8	106.3	97.44
80.0	115.5	112.9	109.9	111.5	109.6	90.23	70.82	52.13	36.72	26.16
82.5	89.28	91.07	86.96	58.62	33.67	12.28	0	0	0	0
85.0	56.84	27.45	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	1813	1813	1813	1813	1813	1813	1813	1813	1813	1813
2.5	1800	1799	1799	1799	1799	1799	1799	1799	1799	1800
5.0	1786	1786	1786	1785	1785	1785	1785	1785	1786	1786
7.5	1772	1772	1772	1772	1771	1771	1771	1771	1771	1772
10.0	1758	1758	1758	1758	1758	1758	1757	1757	1757	1757
12.5	1744	1744	1744	1744	1744	1744	1743	1743	1742	1741
15.0	1729	1730	1730	1731	1730	1730	1729	1728	1727	1725
17.5	1695	1691	1689	1688	1687	1687	1688	1690	1692	1696
20.0	1649	1647	1645	1644	1644	1644	1644	1645	1646	1649
22.5	1602	1601	1601	1601	1601	1601	1601	1600	1599	1600
25.0	1552	1554	1556	1558	1557	1557	1556	1554	1551	1548
27.5	1501	1507	1511	1514	1515	1514	1511	1507	1501	1495
30.0	1448	1458	1466	1470	1472	1470	1467	1459	1449	1438
32.5	1367	1362	1359	1359	1359	1360	1361	1364	1369	1378
35.0	1240	1239	1241	1245	1247	1247	1245	1243	1244	1249
37.5	1112	1115	1122	1130	1134	1133	1128	1121	1117	1117
40.0	982.2	989.8	1002	1015	1022	1019	1010	997.1	987.5	984.4
42.5	851.2	863.6	881.4	900.5	909.3	905.3	890.9	872.5	857.3	850.5
45.0	719.2	736.3	760.2	785.3	796.8	791.1	771.5	746.8	726.2	715.9
47.5	603.8	641.7	678.2	708.9	721.3	713.8	688.6	652.6	611.7	581.0
50.0	531.8	569.4	605.3	634.6	645.8	638.4	614.4	579.9	540.3	502.9
52.5	461.1	497.9	533.2	560.4	570.4	563.1	541.1	508.4	470.2	435.3
55.0	391.5	427.3	461.6	486.3	494.9	488.0	468.4	437.9	401.5	369.9
57.5	323.3	357.3	390.4	412.5	419.4	413.1	396.3	368.4	334.3	306.5
60.0	256.4	288.1	319.9	338.9	343.9	338.3	324.9	299.9	268.4	245.4
62.5	210.1	250.2	286.2	305.5	309.5	303.5	289.2	260.2	221.6	188.3
65.0	195.2	229.4	259.6	273.8	275.1	270.5	260.3	236.3	203.7	175.9
67.5	181.7	209.6	233.6	242.3	240.7	237.6	231.9	213.4	187.4	164.5
70.0	169.1	190.9	208.2	211.1	206.3	204.9	203.9	191.6	172.2	154.1

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.420m [K=1.0000]
 Remarks: IL-PD195US 3.000K

Photometric Data Table [cd]

72.5	157.5	173.1	183.3	180.0	171.9	172.3	176.4	170.5	158.1	144.4
75.0	146.5	156.0	158.9	149.0	137.5	139.7	149.2	150.2	144.8	135.3
77.5	93.33	89.26	84.26	75.62	68.74	70.84	78.98	85.57	91.76	97.61
80.0	17.83	10.52	4.739	1.112	0	1.042	4.444	10.09	17.55	26.22
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	1813	1813	1813	1813	1813	1813	1813	1813	1813	1813
2.5	1800	1800	1801	1801	1802	1803	1804	1805	1806	1807
5.0	1786	1787	1788	1789	1790	1791	1792	1794	1796	1797
7.5	1772	1772	1773	1774	1775	1776	1778	1780	1782	1784
10.0	1757	1757	1757	1757	1758	1759	1760	1762	1765	1768
12.5	1740	1739	1739	1738	1738	1739	1740	1742	1744	1747
15.0	1723	1721	1719	1718	1717	1716	1717	1718	1720	1723
17.5	1701	1702	1698	1695	1693	1691	1690	1691	1693	1696
20.0	1653	1659	1667	1671	1667	1663	1661	1661	1662	1665
22.5	1602	1606	1613	1624	1638	1632	1628	1626	1626	1629
25.0	1547	1548	1553	1562	1577	1597	1590	1586	1584	1586
27.5	1489	1487	1488	1494	1507	1526	1546	1538	1533	1533
30.0	1428	1420	1416	1418	1427	1444	1471	1479	1470	1467
32.5	1362	1349	1338	1333	1337	1350	1373	1405	1392	1385
35.0	1260	1271	1251	1239	1236	1245	1263	1291	1300	1290
37.5	1125	1136	1149	1136	1127	1130	1145	1169	1196	1180
40.0	988.1	996.6	1007	1018	1011	1012	1024	1041	1060	1050
42.5	851.6	859.3	869.9	880.5	890.4	894.2	902.6	911.2	919.2	914.7
45.0	715.6	724.7	738.2	752.4	766.3	780.4	786.5	792.5	791.6	784.9
47.5	581.3	594.3	613.0	632.8	654.2	671.6	687.9	690.4	679.5	661.5
50.0	473.0	468.9	496.0	523.8	554.5	582.9	604.6	602.7	578.3	548.8
52.5	409.6	393.8	386.7	426.4	469.8	507.7	528.9	523.9	488.4	455.5
55.0	349.2	339.1	336.4	345.3	399.8	442.6	458.6	448.7	415.4	384.0
57.5	291.7	288.3	293.3	313.0	342.9	383.9	394.8	382.2	359.7	327.6
60.0	237.0	240.8	255.1	285.0	316.1	331.1	340.4	330.7	315.8	284.8
62.5	184.8	196.4	221.2	259.1	288.6	297.8	297.4	291.1	278.8	254.6
65.0	160.3	159.3	190.8	233.8	260.7	266.7	264.8	260.7	250.4	232.6
67.5	152.0	152.7	174.1	208.4	232.9	237.2	235.3	237.1	226.1	210.6
70.0	144.1	145.8	165.4	191.1	206.2	209.2	207.6	209.7	206.0	191.1
72.5	136.5	138.3	154.3	172.4	182.6	183.1	181.4	183.0	184.4	174.1
75.0	129.1	130.1	140.9	151.9	158.8	158.9	157.3	158.6	160.4	158.7
77.5	107.6	121.1	125.6	130.2	135.2	135.6	135.1	135.8	138.6	137.5
80.0	37.15	51.81	70.79	91.45	112.0	113.3	113.5	113.1	115.7	113.7
82.5	0	0	0	12.46	34.44	59.70	88.69	90.35	89.17	85.61
85.0	0	0	0	0	0	0	0	27.17	55.86	54.10
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	1813	1813								
2.5	1808	1809								
5.0	1799	1802								
7.5	1787	1790								
10.0	1771	1775								
12.5	1751	1756								
15.0	1728	1733								
17.5	1701	1707								
20.0	1670	1677								
22.5	1634	1643								
25.0	1592	1602								
27.5	1539	1550								
30.0	1472	1485								
32.5	1389	1403								
35.0	1292	1308								
37.5	1178	1193								
40.0	1045	1058								
42.5	903.8	910.0								
45.0	764.8	759.4								
47.5	631.8	613.3								
50.0	517.4	497.6								
52.5	428.8	408.3								
55.0	358.6	335.2								
57.5	297.9	274.4								
60.0	251.8	226.6								
62.5	218.3	192.5								

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-08-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.420m [K=1.0000]
 Remarks: IL-PD195US 3.000K

Photometric Data Table [cd]

65.0	195.5	171.6
67.5	182.0	161.1
70.0	173.9	157.7
72.5	167.6	154.6
75.0	154.4	144.8
77.5	134.9	131.0
80.0	113.1	112.9
82.5	83.51	89.40
85.0	52.80	55.61
87.5	19.16	17.02
90.0	0	0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-08-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.420m [K=1.0000]
Remarks: IL-PD195US 3.000K