

APPLICATION FOR TEST REPORT

On Behalf of

Interlight Enjoy Innovation B.V.

LED DOB Floodlight

Model No.: IL-FB2200WK4

Prepared for : Interlight Enjoy Innovation B.V.
Smalriemseweg 6,4112 NC Beusichem,The Netherlands


Prepared By : Shenzhen TCT Testing Technology Co., Ltd.
1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong,
Baoan District, Shenzhen, Guangdong, China

Date of Test: Jan. 25, to Feb. 11, 2019

Date of Report: Feb. 11, 2019

Report Number: TCT190125S012

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<p>Test Report IESNA LM 79: 2008 ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID-STATE LIGHTING PRODUCTS</p>	
Report reference No	TCT190125S012
Tested by (+ signature)	Moon Ding
Approved by (+ signature)	Thomas
Date of issue	Feb. 11, 2019
Testing Laboratory Name	Shenzhen TCT Testing Technology Co., Ltd.
Address	1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China
Testing location	CBTL <input type="checkbox"/> CCATL <input type="checkbox"/> SMT <input type="checkbox"/> TMP <input type="checkbox"/>
Address	Same as above.
Applicant's Name.....	Interlight Enjoy Innovation B.V.
Address	Smalriemseweg 6,4112 NC Beusichem, The Netherlands
Manufacturer	GMIL584
Address	IAGFC2129
Test item description	LED DOB Floodlight
Trademark	
Model and/or type reference	IL-FB2200WK4
Rating	220-240VAC, 50/60Hz, 200W

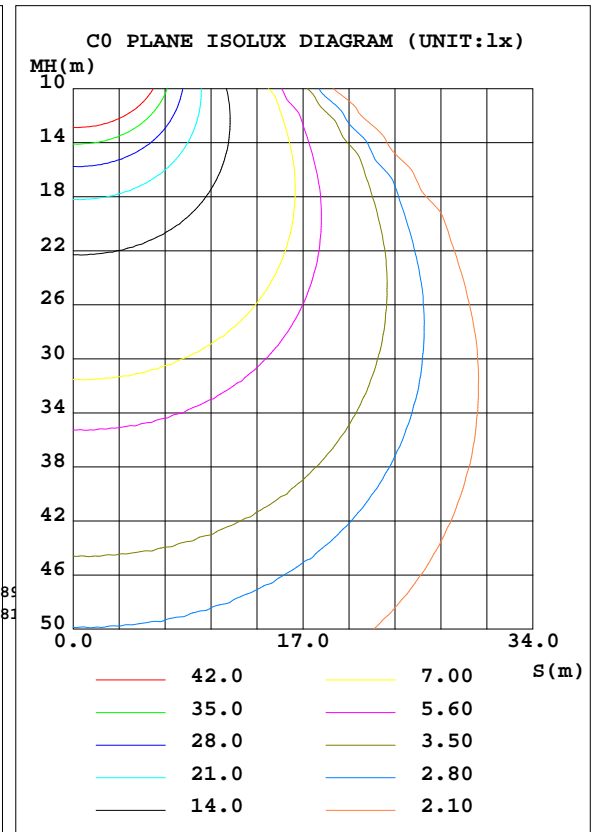
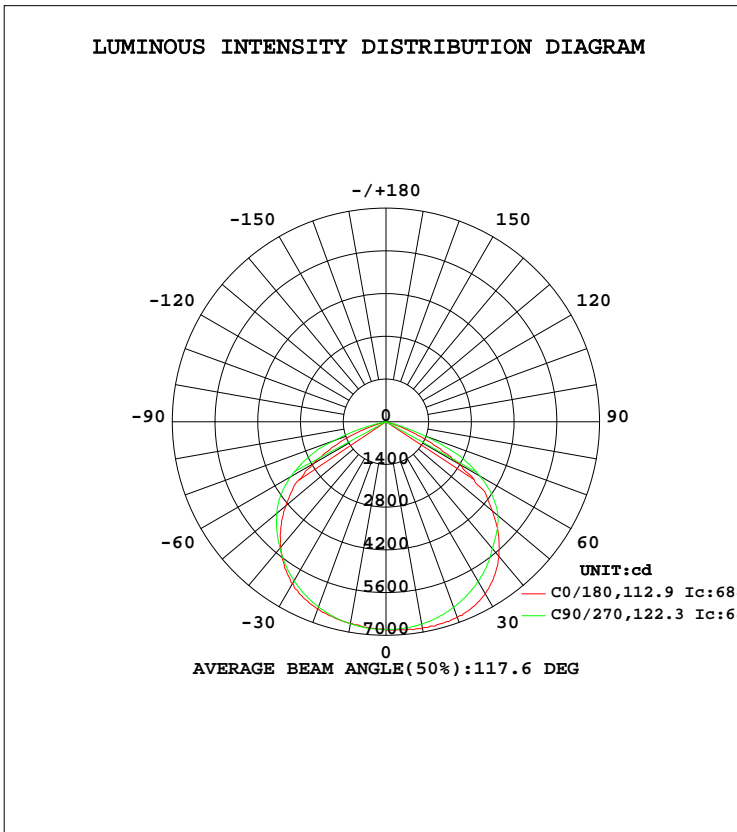


IES LM-79-08			
Clause	Requirement – Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		P
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		P
3.1	Waveshape of AC power supply		P
3.2	Voltage regulation		P
4.0	Seasoning of SSL Product		N/A
	No seasoning of SSL product		P
5.0	Stabilisation of SSL Product		P
	SSL product has sufficiently satbilised before measurment		P
6.0	Operation Orientation		P
	SSL product shall be stabilized and measured in intended operating orientation	As normal working	P
7.0	Electrical Settings		P
	SSL product shall be operated at rated voltage		P
	SSL product with dimming capability are tested at maximum input power condition		N/A
	SSL product with different modes are measured in all relvant modes		N/A
8.0	Electrical Instrumenttions		P
8.1	Circuits		P
8.2	Uncertainties		N/A
9.0	Testmethodes for Luminous Flux measurment		P
9.1	Integrating sphere with a spectroradiometer (Sphere-spectroradiometer system)		N/A
9.2	Integrating sphere with a photometer head (Sphere-photometer system)		N/A
9.3	Goniophotometer		P
10.0	Luminous Intensity Distribution		P
	Reporting acc. to IEC LM-63		P
11.0	Luminous Efficay		P
	Calculation		P
12.0	Test Methodes for Color Characteristics of SSL Products		P
	Measurments		P
13.0	Uncertainty statement		N/A

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.10 lm/W			
MODEL	IL-FB2200WK4	I _{max} (cd)	6889	S/MH(C0/180)	1.33
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	19723	η UP, DN(C0-180)	0.0,49.7
NOMINAL FLUX(lm)	19722.8	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.2
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	240	η down(%)	99.9	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	6861	6820	6739	6712	6715	6704	6728	6813	0- 10	647.9	647.9	3.29,3.29
20	6819	6696	6479	6481	6535	6475	6467	6672	10- 20	1891	2539	12.9,12.9
30	6507	6397	6048	6109	6125	6087	6027	6347	20- 30	2961	5500	27.9,27.9
40	5753	5818	5432	5503	5366	5460	5414	5772	30- 40	3702	9202	46.7,46.7
50	4552	4866	4792	4605	4278	4565	4676	4891	40- 50	3962	13164	66.7,66.7
60	2749	3518	3546	3410	2734	3381	3607	3597	50- 60	3622	16786	85.1,85.1
70	608.1	1389	1298	1560	917.2	1718	1858	1701	60- 70	2389	19175	97.2,97.2
80	2.583	2.331	1.944	3.201	3.769	38.41	3.389	2.971	70- 80	524.1	19699	99.9,99.9
90	0.3426	0.4423	0.4934	0.4503	0.3412	0.4627	0.4890	0.4872	80- 90	1.627	19701	99.9,99.9
100	0.6433	0.7868	0.9183	0.7894	0.6172	0.7601	0.8037	0.7646	90-100	0.6385	19701	99.9,99.9
110	1.074	1.165	1.349	1.184	1.036	1.138	1.208	1.130	100-110	0.9868	19702	99.9,99.9
120	1.879	1.833	2.019	1.882	2.105	2.148	2.292	2.085	110-120	1.540	19704	99.9,99.9
130	2.899	2.810	3.039	3.011	3.605	3.641	3.675	3.419	120-130	2.347	19706	99.9,99.9
140	4.854	5.011	5.189	5.052	5.854	6.274	6.240	6.130	130-140	3.304	19709	99.9,99.9
150	6.372	6.914	6.847	6.553	9.759	10.61	10.86	10.46	140-150	4.416	19714	100,100
160	8.095	8.502	7.888	8.029	13.75	14.47	14.65	14.23	150-160	4.586	19718	100,100
170	9.224	9.277	8.403	8.438	14.43	14.22	14.24	14.14	160-170	3.269	19722	100,100
180	12.08	11.72	10.82	11.29	12.19	11.75	10.84	11.31	170-180	1.089	19723	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11184 lm

%lum = 56.7%
%lamp = 56.7%

Conical surface Flux(120deg): 16786 lm

%lum = 85.1%
%lamp = 85.1%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

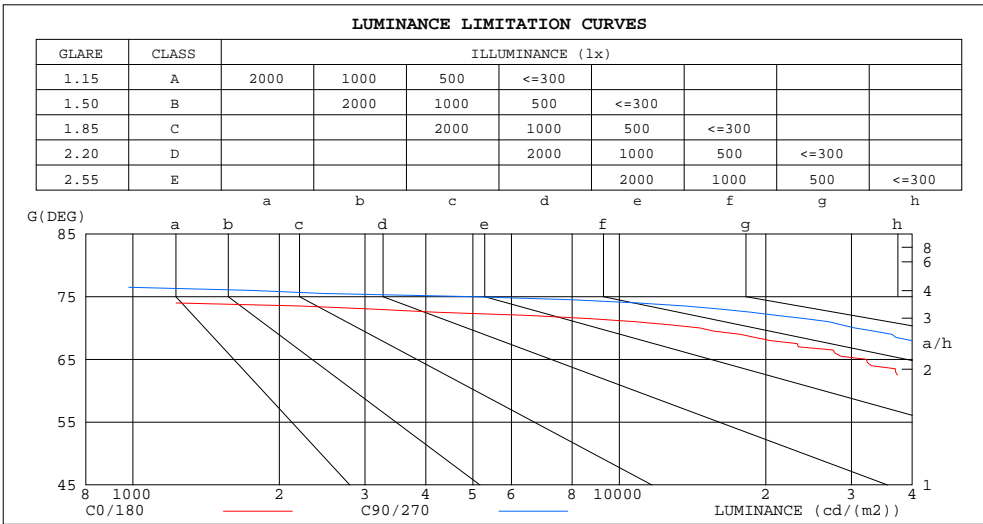
γ Range: 0 - 180DEG
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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	94	65
80	122	90
75	153	4894
70	14636	30468
65	32206	50800
60	45261	56950
55	55697	59894
50	58298	59864
45	60554	58208

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
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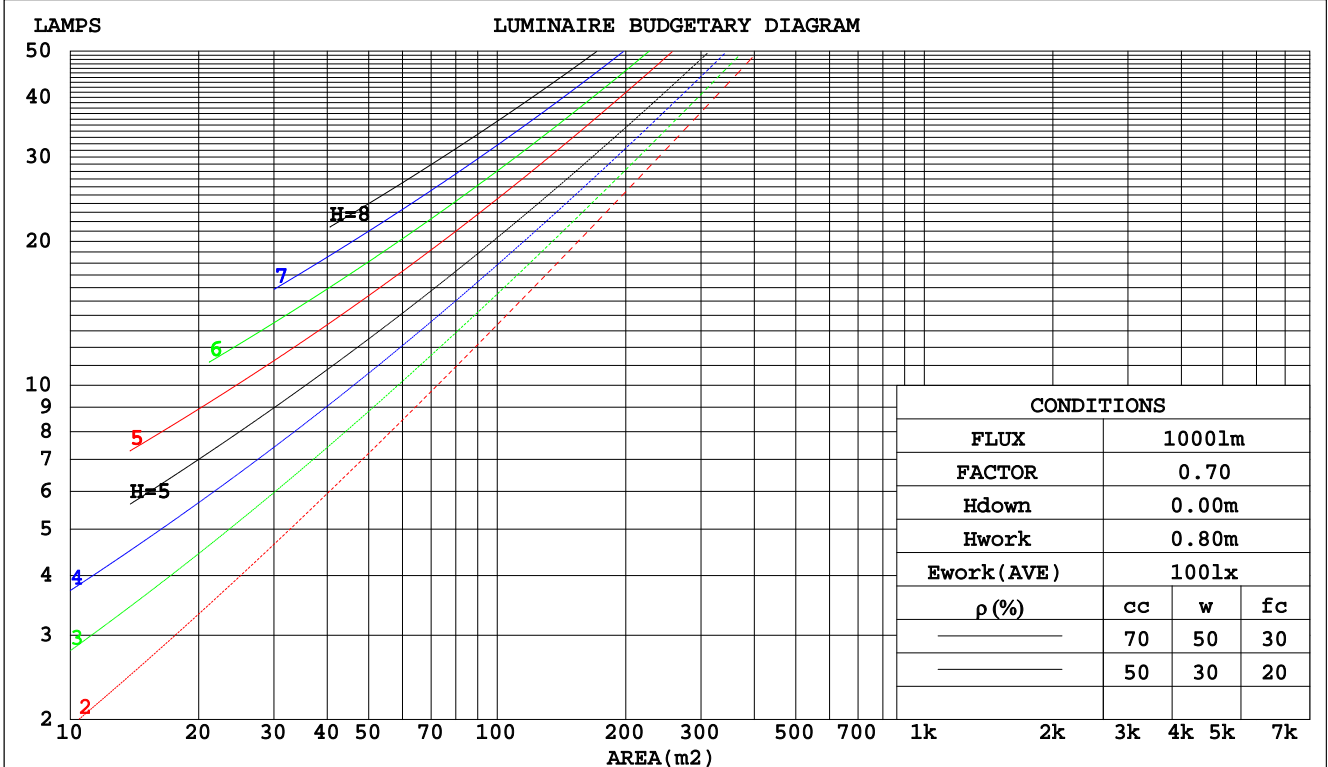
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
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	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.96	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.56	.66	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.55	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.47	.42	.37	.35
8.0	.48	.39	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

WEC AND CCEC

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.271	.154	.049	.264	.151	.048	.251	.144	.046	.239	.138	.044	.228	.132	.043	
2.0	.267	.146	.045	.261	.144	.044	.249	.138	.043	.238	.134	.042	.229	.129	.041	
3.0	.253	.135	.040	.248	.133	.040	.238	.129	.039	.228	.125	.038	.220	.122	.038	
4.0	.238	.124	.036	.233	.122	.036	.224	.119	.035	.216	.116	.035	.208	.113	.034	
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.203	.107	.032	.196	.105	.031	
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.195	.096	.027	.191	.095	.027	.185	.093	.027	.179	.092	.027	.173	.090	.026	
8.0	.183	.089	.025	.180	.088	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.073	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.178	.157	.138	.153	.135	.119	.104	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.170	.133	.102	.145	.114	.088	.100	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.162	.115	.078	.139	.099	.067	.095	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.155	.102	.061	.133	.088	.053	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.091	.049	.127	.079	.043	.088	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.141	.083	.041	.121	.072	.036	.084	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.135	.076	.035	.116	.066	.030	.080	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.019	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.073	.040	.016	.043	.023	.010	.014	.008	.003	
10.0	.117	.061	.024	.101	.053	.021	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UGR(Unified Glare Rating) Table

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm										
NAME: 1					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			Shielding 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	16.4	17.9	16.7	18.1	18.3	17.4	18.9	17.7	19.1	19.3
3H	16.7	18.1	17.0	18.3	18.5	18.4	19.7	18.7	20.0	20.2
4H	16.6	17.9	16.9	18.2	18.4	18.4	19.6	18.7	19.9	20.2
6H	16.5	17.7	16.8	18.0	18.3	18.3	19.5	18.6	19.7	20.0
8H	16.5	17.6	16.8	17.9	18.2	18.2	19.4	18.5	19.6	19.9
12H	16.4	17.5	16.8	17.8	18.1	18.2	19.3	18.5	19.6	19.9
4H 2H	17.1	18.4	17.4	18.6	18.9	17.9	19.1	18.2	19.4	19.7
3H	17.4	18.5	17.8	18.8	19.1	18.9	20.0	19.3	20.3	20.6
4H	17.3	18.3	17.7	18.6	19.0	18.9	19.9	19.3	20.2	20.6
6H	17.2	18.1	17.6	18.5	18.8	18.8	19.7	19.2	20.1	20.4
8H	17.2	18.0	17.6	18.4	18.7	18.8	19.6	19.2	20.0	20.3
12H	17.1	17.9	17.6	18.3	18.7	18.7	19.5	19.2	19.9	20.3
8H 4H	17.3	18.1	17.7	18.5	18.9	18.8	19.6	19.2	20.0	20.4
6H	17.2	17.9	17.7	18.3	18.7	18.7	19.4	19.2	19.8	20.2
8H	17.2	17.8	17.6	18.2	18.6	18.7	19.3	19.2	19.7	20.2
12H	17.1	17.6	17.6	18.1	18.6	18.7	19.2	19.1	19.6	20.1
12H 4H	17.2	18.0	17.7	18.4	18.8	18.8	19.5	19.2	19.9	20.3
6H	17.2	17.8	17.6	18.2	18.6	18.7	19.3	19.2	19.7	20.2
8H	17.1	17.6	17.6	18.1	18.6	18.7	19.2	19.1	19.6	20.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.5					+ 0.3 / - 0.4				
1.5H	+ 0.6 / - 0.7					+ 0.5 / - 0.8				
2.0H	+ 0.7 / - 1.1					+ 0.6 / - 1.3				

CIE Pub.117, 19723 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.4)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
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γ Range: 0 - 180DEG
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Humidity:60.5%
Test Distance:2.718m [K=1.0000]
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Checker: Near Gao

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding 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	58	47	40	57	46	40	56	46	39	33
0.80	69	57	50	68	57	50	66	56	50	43
1.00	78	67	60	77	67	60	74	68	59	52
1.25	85	75	68	84	75	68	81	73	67	60
1.50	90	81	74	89	80	74	86	78	73	66
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	86	78
3.00	104	98	93	102	96	92	98	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	108	104	101	103	100	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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Operators:Wilson
Test Date:2019-03-11

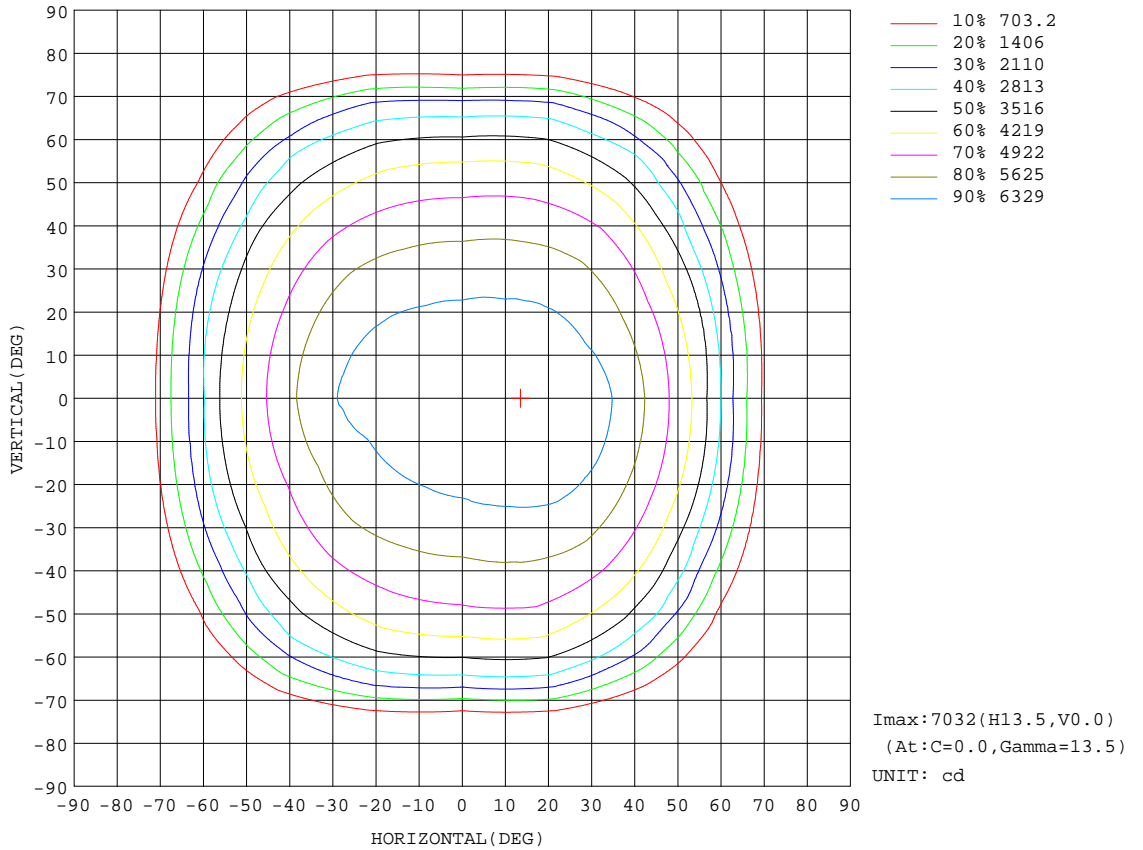
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Wilson
Test Date: 2019-03-11

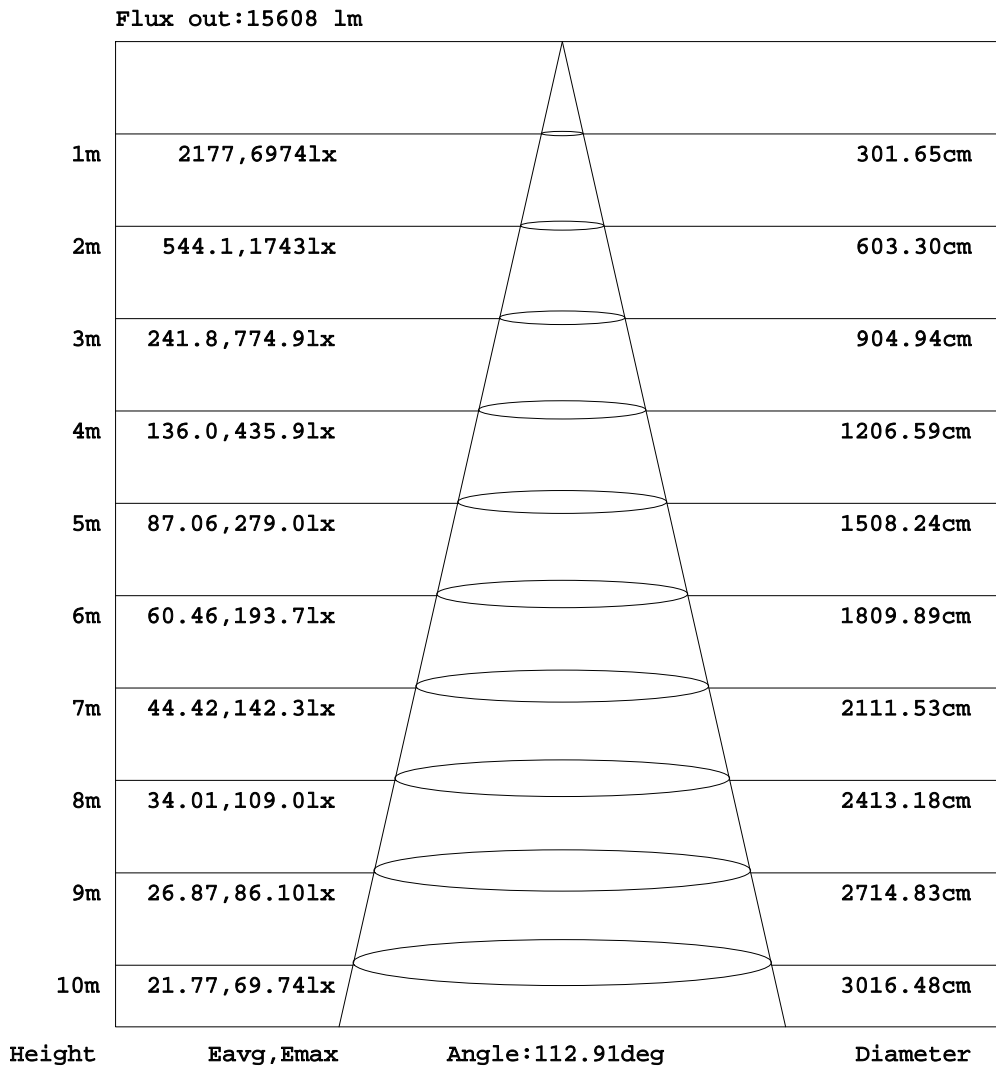
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 60.5%
Test Distance: 2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding 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: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

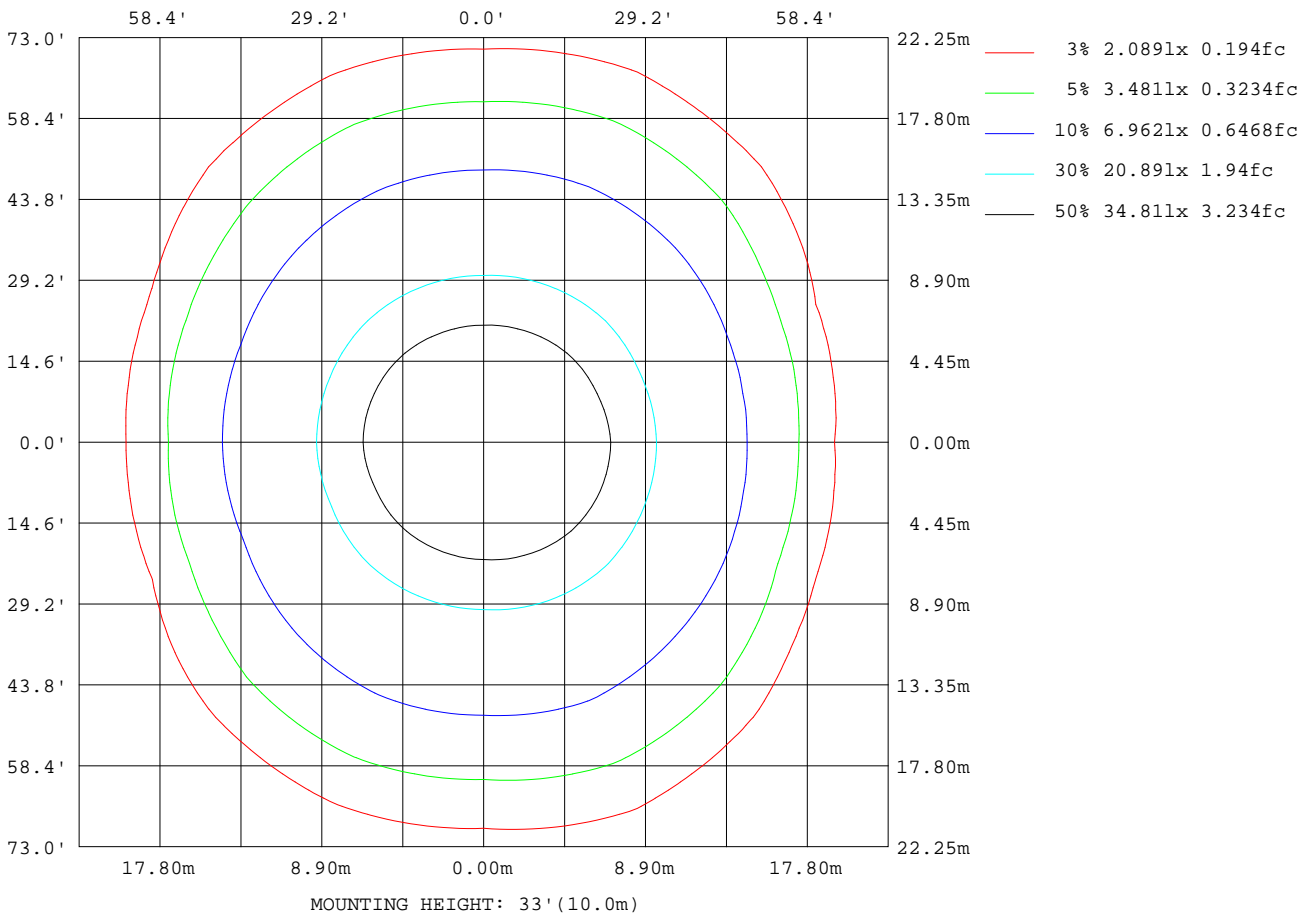
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Wilson
Test Date: 2019-03-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 60.5%
Test Distance: 2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LED Avg.L Report

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	32854
L_0~180(75)av	1585
L_0~180(85)av	124
L_90~270(65)av	52793
L_90~270(75)av	13306
L_90~270(85)av	90
L_45(65)av	51551
L_45(75)av	16842
L_45(85)av	132

Standard: GB/T 29293-2012

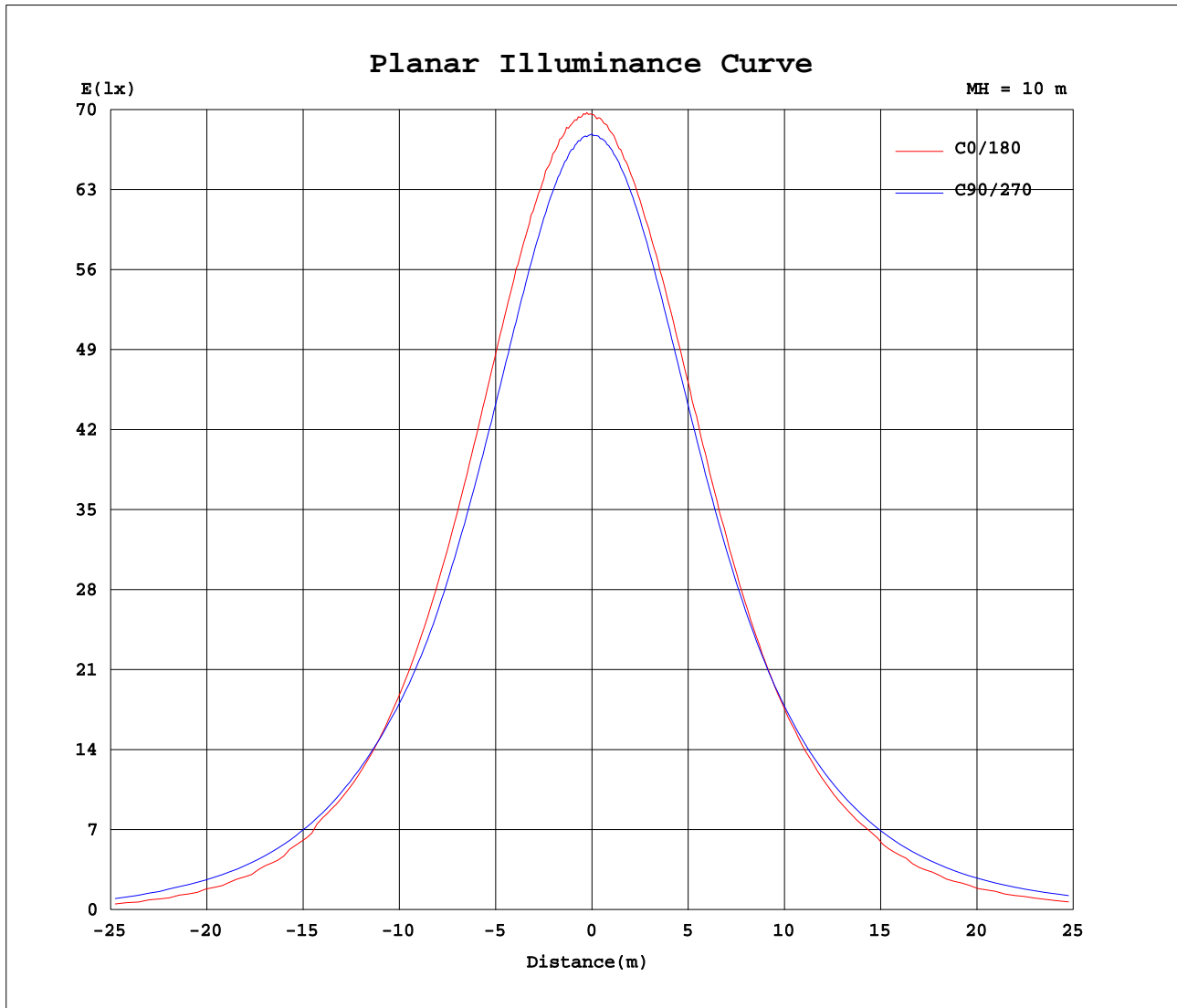
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2019-03-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 60.5%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.2V I:0.8510A P:195.1W PF:0.9958 Freq:50.00Hz Lamp Flux:19722.8x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

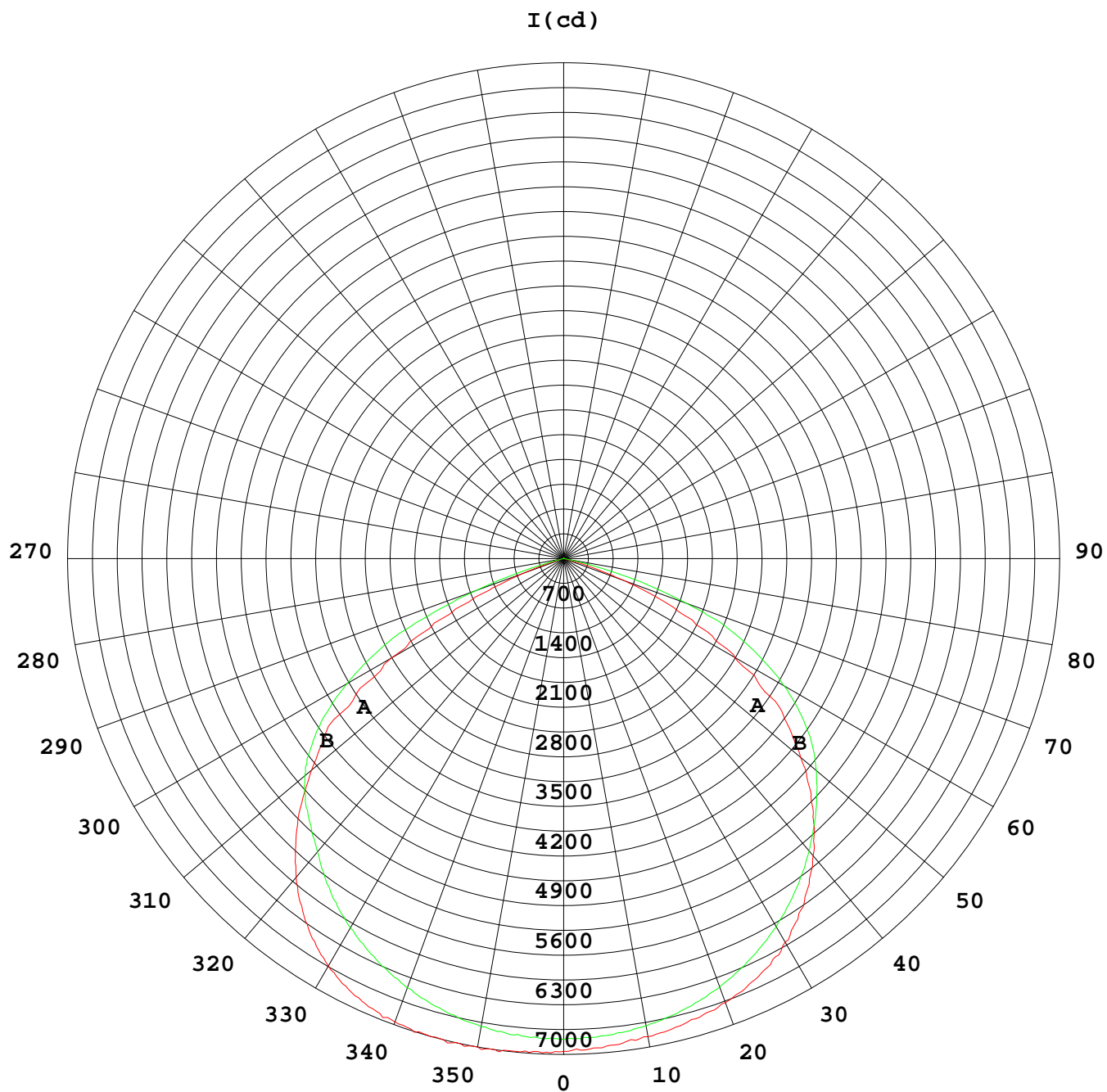
C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816			
5	6849	6847	6836	6820	6795	6775	6773	6770	6768	6771	6776	6785	6790	6801	6824	6839			
10	6861	6858	6820	6783	6739	6717	6712	6716	6715	6710	6704	6710	6728	6766	6813	6853			
15	6852	6848	6780	6700	6626	6597	6611	6629	6634	6621	6610	6600	6614	6670	6759	6830			
20	6819	6798	6696	6572	6479	6454	6481	6526	6535	6510	6475	6444	6467	6547	6672	6775			
25	6705	6695	6574	6409	6277	6252	6316	6367	6377	6349	6308	6254	6262	6364	6534	6658			
30	6507	6502	6397	6196	6048	6034	6109	6145	6125	6118	6087	6017	6027	6154	6347	6468			
35	6179	6206	6150	5955	5761	5762	5842	5819	5801	5792	5811	5740	5732	5878	6093	6175			
40	5753	5803	5818	5644	5432	5450	5503	5420	5366	5392	5460	5420	5414	5574	5772	5783			
45	5202	5265	5397	5305	5126	5103	5090	4931	4873	4910	5045	5055	5056	5215	5369	5276			
50	4552	4628	4866	4970	4792	4768	4605	4378	4278	4365	4565	4662	4676	4833	4891	4676			
55	3881	3957	4241	4522	4278	4296	4050	3722	3683	3732	4010	4214	4209	4384	4291	3979			
60	2749	2834	3518	3854	3546	3652	3410	2954	2734	2963	3381	3657	3607	3812	3597	3123			
65	1653	1847	2621	2985	2674	2816	2578	1925	1790	2078	2741	2966	2860	3082	2867	1910			
70	608	772	1389	1713	1298	1636	1560	1067	917	1091	1718	2127	1858	2139	1701	920			
75	4.80	4.60	283	423	158	442	467	157	96.9	198	795	935	696	884	618	42.0			
80	2.58	2.42	2.33	1.90	1.94	2.36	3.20	3.49	3.77	3.87	38.4	23.4	3.39	3.90	2.97	2.74			
85	0.99	0.92	0.91	0.83	0.70	0.99	1.32	1.53	1.68	1.83	2.00	1.69	1.25	1.36	1.46	1.25			
90	0.34	0.38	0.44	0.48	0.49	0.47	0.45	0.36	0.34	0.37	0.46	0.52	0.49	0.51	0.49	0.40			
95	0.46	0.53	0.60	0.67	0.69	0.64	0.60	0.47	0.45	0.49	0.60	0.65	0.63	0.65	0.62	0.52			
100	0.64	0.70	0.79	0.87	0.92	0.84	0.79	0.67	0.62	0.66	0.76	0.82	0.80	0.81	0.76	0.68			
105	0.82	0.88	0.95	1.08	1.11	1.02	0.95	0.84	0.77	0.82	0.91	0.97	0.97	0.96	0.90	0.81			
110	1.07	1.11	1.16	1.33	1.35	1.26	1.18	1.08	1.04	1.06	1.14	1.20	1.21	1.17	1.13	1.06			
115	1.44	1.43	1.46	1.60	1.66	1.60	1.51	1.42	1.49	1.49	1.56	1.62	1.65	1.59	1.55	1.49			
120	1.88	1.83	1.83	2.02	2.02	1.98	1.88	1.85	2.10	2.10	2.15	2.24	2.29	2.17	2.09	2.05			
125	2.37	2.30	2.28	2.50	2.44	2.42	2.44	2.40	2.83	2.83	2.87	2.97	2.97	2.81	2.74	2.76			
130	2.90	2.89	2.81	3.11	3.04	3.07	3.01	3.01	3.61	3.58	3.64	3.75	3.67	3.51	3.42	3.50			
135	3.84	3.88	3.80	3.91	3.99	3.99	4.00	3.92	4.55	4.57	4.65	4.66	4.64	4.45	4.46	4.48			
140	4.85	5.00	5.01	5.07	5.19	5.20	5.05	4.79	5.85	5.98	6.27	6.22	6.24	6.17	6.13	5.85			
145	5.71	6.13	6.08	6.29	6.21	6.16	5.96	5.69	7.73	7.97	8.33	8.54	8.61	8.53	8.24	7.77			
150	6.37	6.99	6.91	6.93	6.85	6.74	6.55	6.24	9.76	10.0	10.6	10.8	10.9	10.8	10.5	9.98			
155	7.20	7.86	7.78	7.78	7.35	7.43	7.43	7.11	11.7	12.2	12.8	13.0	13.0	13.0	12.6	12.4			
160	8.10	8.50	8.50	8.29	7.89	8.04	8.03	7.86	13.7	13.9	14.5	14.5	14.7	14.8	14.2	13.8			
165	8.59	9.09	8.90	8.53	8.19	8.25	8.25	8.26	14.5	14.4	15.0	15.0	15.3	15.1	14.8	14.5			
170	9.22	9.52	9.28	8.67	8.40	8.25	8.44	8.80	14.4	14.2	14.2	13.9	14.2	14.1	14.1	14.2			
175	10.3	10.3	10.1	9.60	8.78	9.09	9.34	9.95	13.5	13.4	13.1	12.6	12.6	12.7	13.0	13.1			
180	12.1	12.0	11.7	11.1	10.8	11.0	11.3	11.7	12.2	12.0	11.8	11.0	10.8	11.0	11.3	11.7			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-03-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

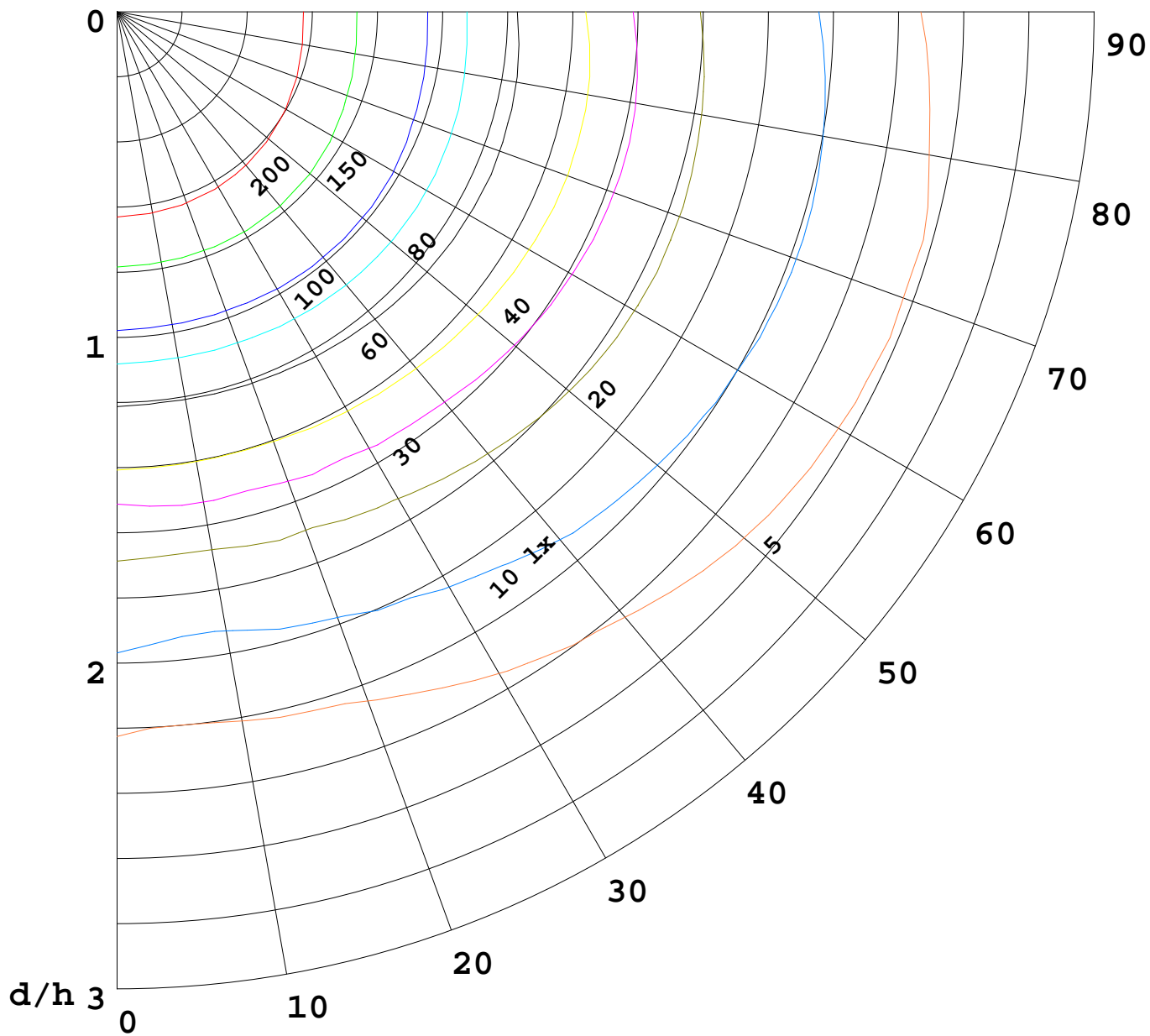
Checker: Near Gao

Assessor: Akin Xu



1000 lm

$K = 1$



F = 1000 lm
 K = 0.7
 Hcc = 0.8 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

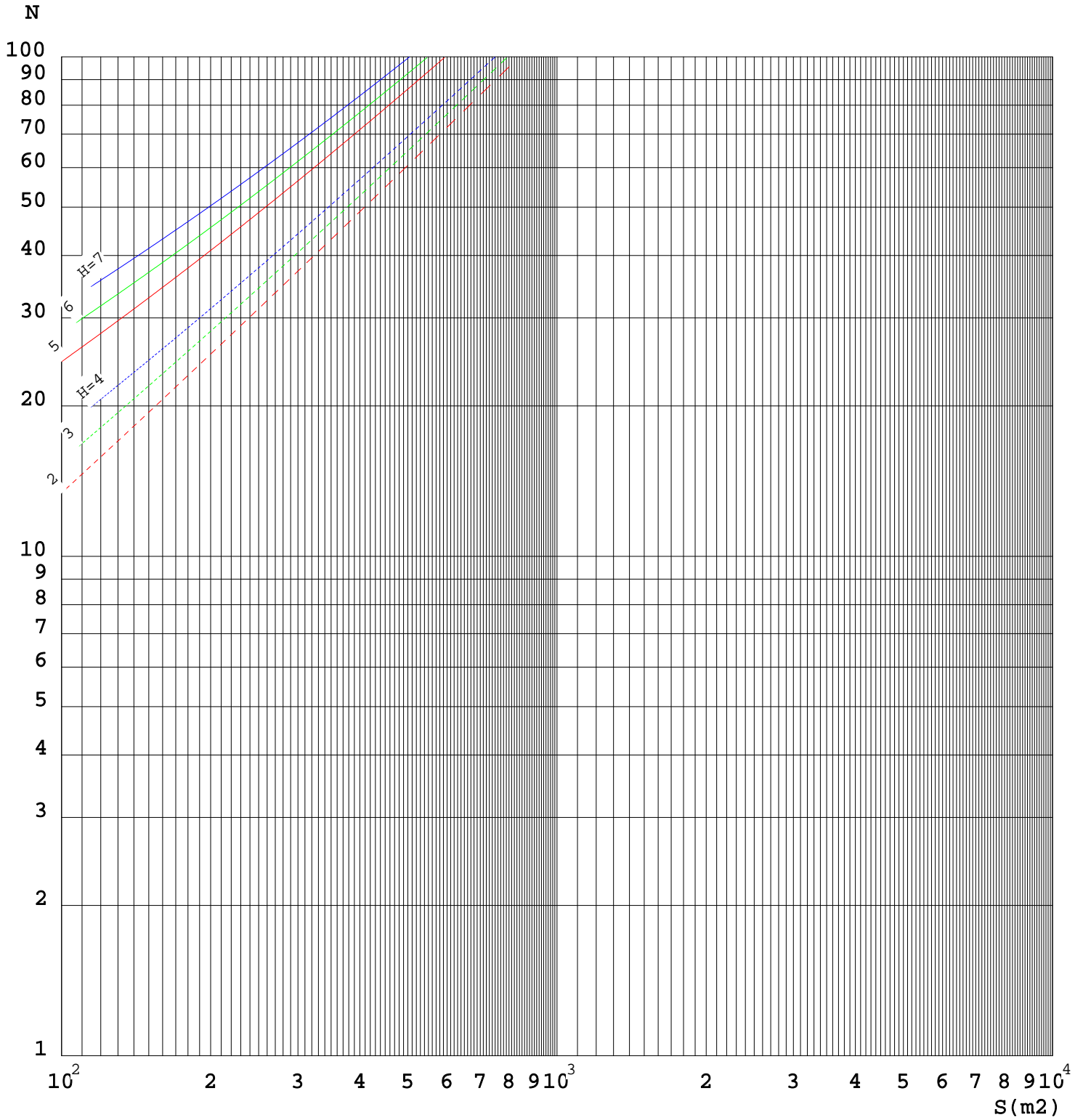


Photo documentation:

Photo 1

- General
- front
- rear
- right side
- left side
- top
- bottom
- internal



Photo 2

- General
- front
- rear
- right side
- left side
- top
- bottom
- internal



End of the report