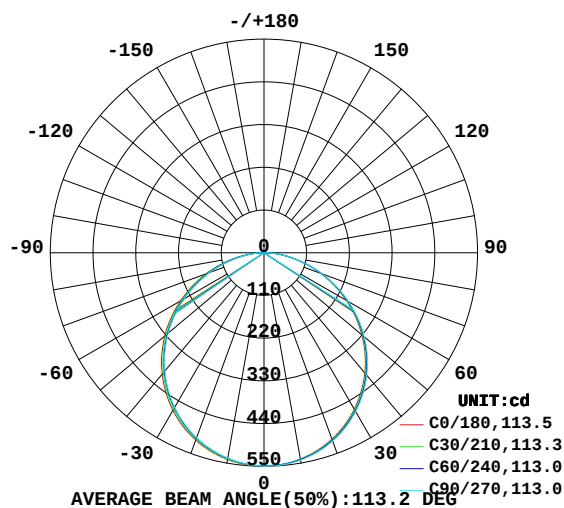


LUMINAIRE PHOTOMETRIC TEST REPORT

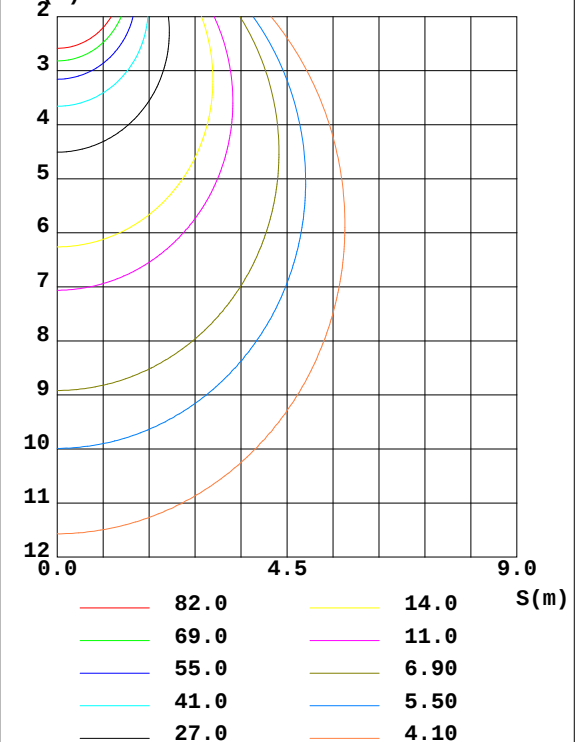
Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:s23090003c-01
MFR.: Ilsung	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.00 lm/W			
MODEL	CFR12-21-5CCT	I _{max} (cd)	550.6	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1593.7	η UP, DN(C0-180)	0.0, 50.6
NOMINAL FLUX(lm)	1593.68	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.3
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:2.485m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

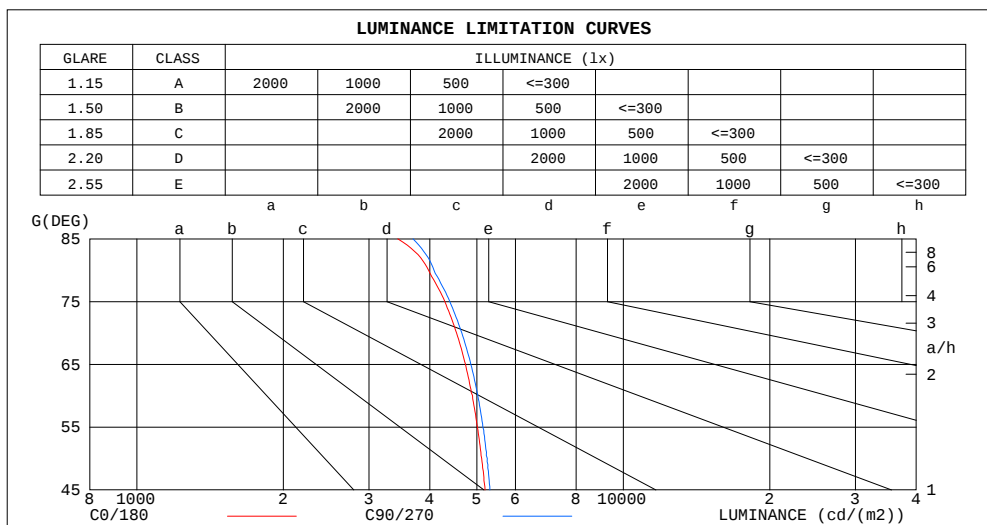
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	539.3	541.4	542.1	542.2	540.6	538.6	537.3	537.7	0- 10	51.98	51.98	3.26, 3.26
20	511.2	514.5	516.1	515.9	513.4	509.5	506.9	508.0	10- 20	149.1	201.0	12.6, 12.6
30	465.4	469.7	472.2	471.7	468.3	463.0	460.0	461.2	20- 30	226.4	427.5	26.8, 26.8
40	404.1	408.8	411.9	411.3	407.6	400.8	396.8	399.0	30- 40	273.7	701.2	44, 44
50	329.3	334.2	337.4	336.7	333.2	325.7	321.6	323.9	40- 50	284.6	985.8	61.9, 61.9
60	245.2	249.0	251.1	251.1	248.5	240.8	236.7	239.5	50- 60	257.8	1244	78, 78
70	155.5	158.3	159.2	160.0	159.3	152.1	147.8	151.5	60- 70	198.1	1442	90.5, 90.5
80	69.16	70.85	70.86	71.61	71.50	65.21	61.33	65.34	70- 80	117.2	1559	97.8, 97.8
90	1.741	1.941	2.125	1.959	0.0752	0.0729	0.0715	0.0711	80- 90	33.43	1592	99.9, 99.9
100	0.0755	0.0714	0.0701	0.0717	0.1087	0.1105	0.1103	0.1089	90-100	0.1075	1592	99.9, 99.9
110	0.1146	0.1094	0.1080	0.1091	0.1503	0.1484	0.1509	0.1493	100-110	0.1160	1593	99.9, 99.9
120	0.1727	0.1685	0.1667	0.1667	0.1695	0.1678	0.1673	0.1688	110-120	0.1471	1593	99.9, 99.9
130	0.2357	0.2334	0.2291	0.2309	0.2188	0.2161	0.2167	0.2167	120-130	0.1717	1593	100, 100
140	0.2975	0.2987	0.2952	0.2930	0.3181	0.3154	0.3176	0.3158	130-140	0.2053	1593	100, 100
150	0.3184	0.3221	0.3157	0.3133	0.3917	0.3912	0.3931	0.3917	140-150	0.2086	1593	100, 100
160	0.3521	0.3490	0.3496	0.3455	0.4359	0.4386	0.4387	0.4389	150-160	0.1724	1594	100, 100
170	0.4006	0.4013	0.4060	0.3983	0.4706	0.4730	0.4723	0.4634	160-170	0.1160	1594	100, 100
180	0.4659	0.4553	0.4497	0.4550	0.4622	0.4606	0.4611	0.4632	170-180	0.0430	1594	100, 100
DEG	LUMINOUS INTENSITY:cd Less than 35% Percent = 14.1 %									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:s23090003c-01
MFR.: Ilsung	SUR.:	Shielding Angle:



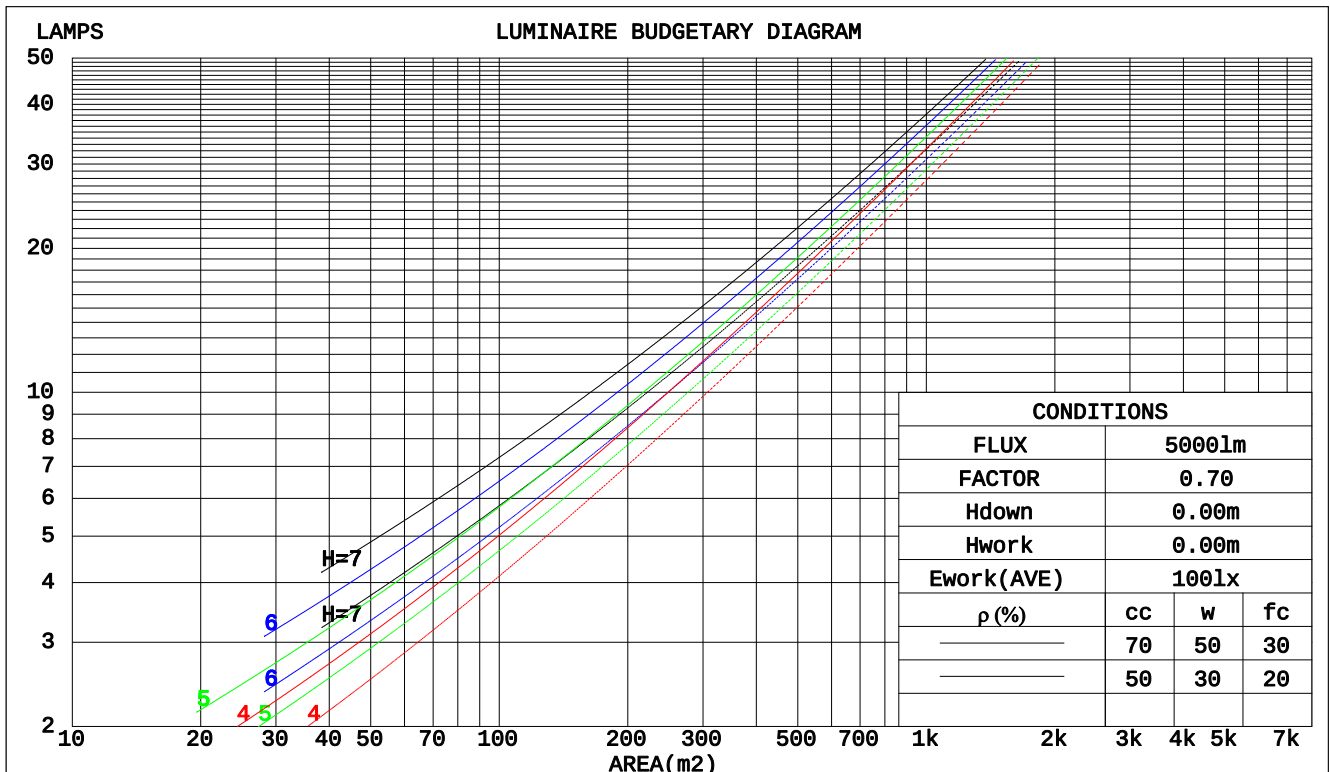
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 2.485m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:s23090003c-01
MFR.: Ilsung	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						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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:2.485m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm									
NAME:				TYPE:				WEIGHT:	
SPEC.:				DIM.:				SERIAL No.:s23090003c-01	
MFR.: Ilsung				SUR.:				Shielding Angle:	

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.314	.179	.057	.307	.175	.056	.294	.169	.054	.282	.162	.052	.270	.157	.051		
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046		
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.212	.112	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.084	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.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	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.098	.148	.114	.085	.102	.079	.059	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.075	.142	.099	.065	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.024	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.022	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:s23090003c-01			
MFR.: Ilsung					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		18.5	20.0	18.8	20.2	20.5	18.6	20.1	18.9	20.4	20.6
3H		20.1	21.5	20.4	21.7	22.0	20.2	21.6	20.5	21.8	22.1
4H		20.7	22.1	21.0	22.3	22.6	20.8	22.2	21.1	22.4	22.7
6H		21.2	22.5	21.5	22.7	23.0	21.3	22.6	21.6	22.9	23.1
8H		21.4	22.6	21.7	22.9	23.2	21.5	22.7	21.8	23.0	23.3
12H		21.5	22.6	21.8	22.9	23.2	21.6	22.8	21.9	23.1	23.4
4H 2H		19.2	20.5	19.5	20.8	21.0	19.2	20.6	19.6	20.8	21.1
3H		20.9	22.1	21.3	22.4	22.7	21.0	22.2	21.3	22.5	22.8
4H		21.7	22.8	22.1	23.1	23.4	21.8	22.8	22.1	23.2	23.5
6H		22.3	23.3	22.7	23.6	24.0	22.4	23.3	22.8	23.7	24.1
8H		22.5	23.4	22.9	23.8	24.2	22.6	23.5	23.0	23.9	24.3
12H		22.7	23.5	23.1	23.9	24.3	22.8	23.6	23.2	24.0	24.4
8H 4H		22.0	22.9	22.4	23.2	23.6	22.1	22.9	22.5	23.3	23.7
6H		22.8	23.5	23.2	23.9	24.3	22.8	23.6	23.3	24.0	24.4
8H		23.1	23.7	23.5	24.2	24.6	23.2	23.8	23.6	24.2	24.7
12H		23.3	23.9	23.8	24.3	24.8	23.4	24.0	23.9	24.4	24.9
12H 4H		22.0	22.8	22.4	23.2	23.6	22.1	22.9	22.5	23.3	23.7
6H		22.8	23.5	23.3	23.9	24.4	22.9	23.6	23.4	24.0	24.4
8H		23.2	23.8	23.7	24.2	24.7	23.3	23.8	23.7	24.3	24.8
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 1594 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.6$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:s23090003c-01
MFR.: Ilsung	SUR.:	Shielding Angle:

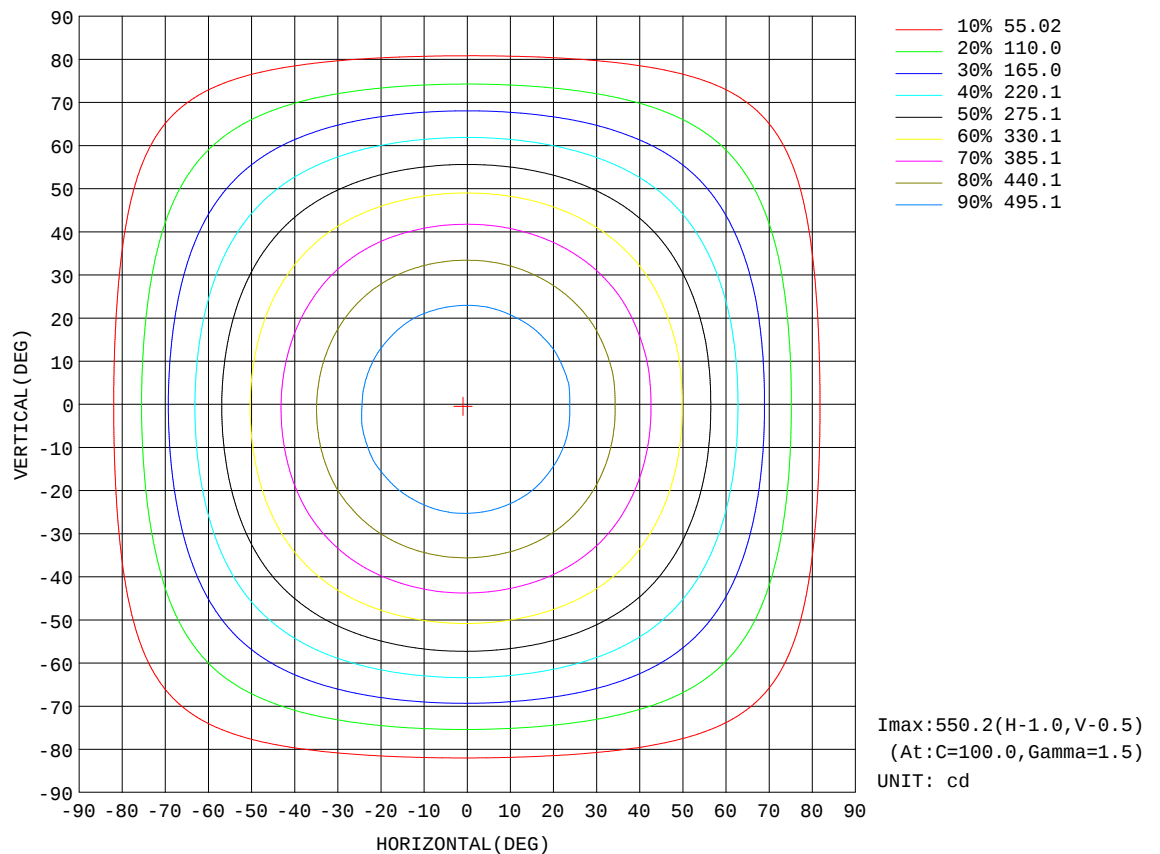
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	48	41
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:s23090003c-01
MFR.: Ilsung	SUR.:	Shielding Angle:

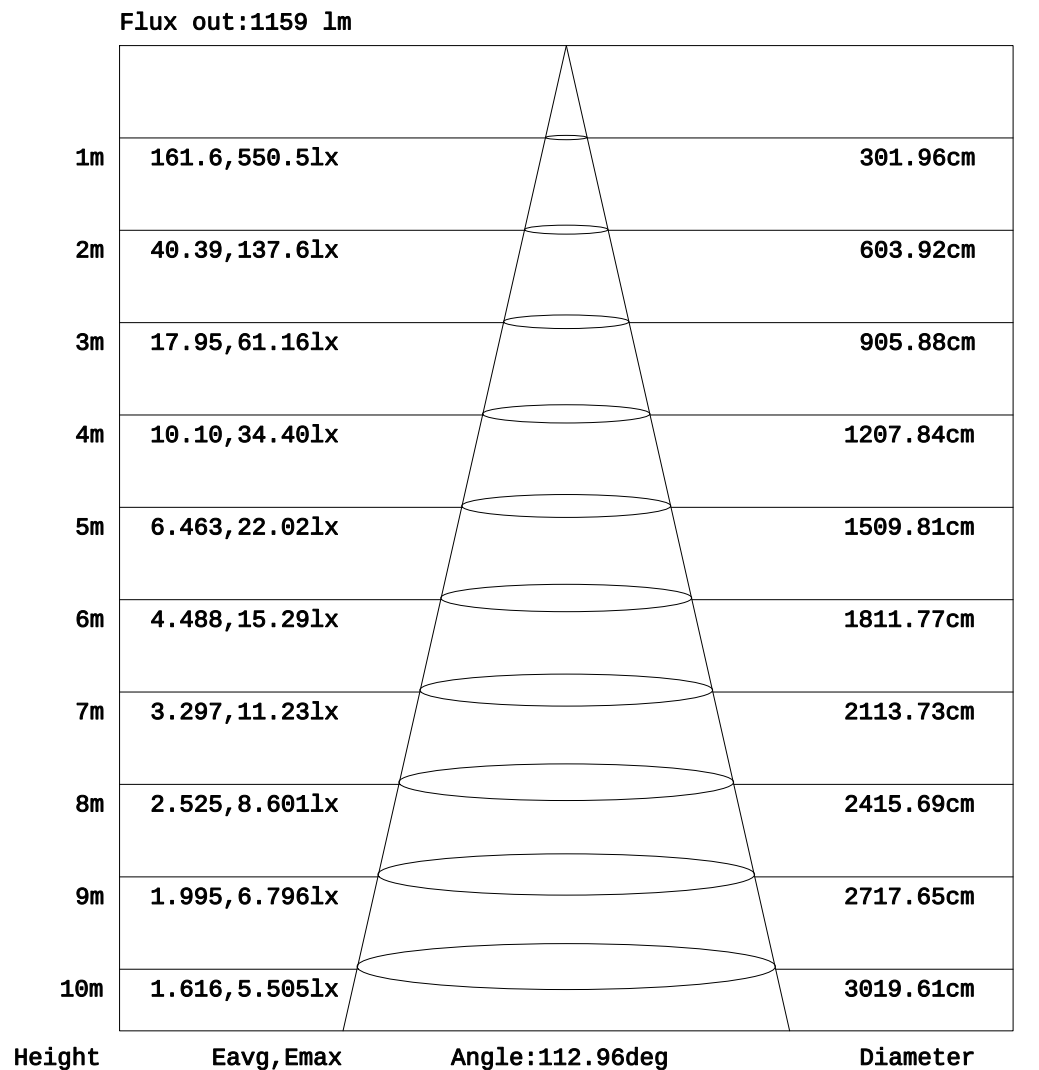


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:s23090003c-01
MFR.: Ilsung	SUR.:	Shielding Angle:



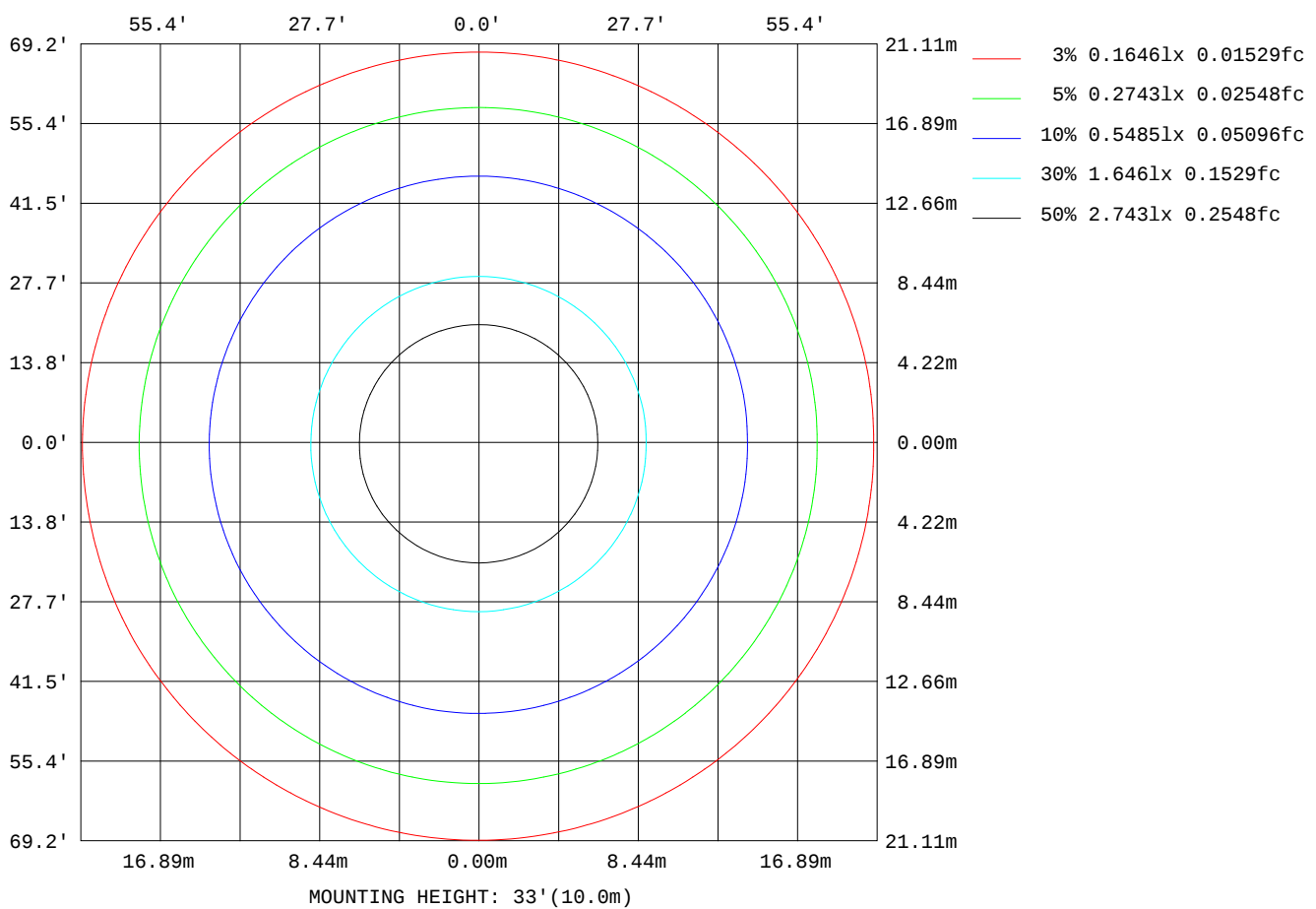
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:s23090003c-01
MFR.: Ilsung	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:s23090003c-01
MFR.: Ilsung	SUR.:	Shielding Angle:

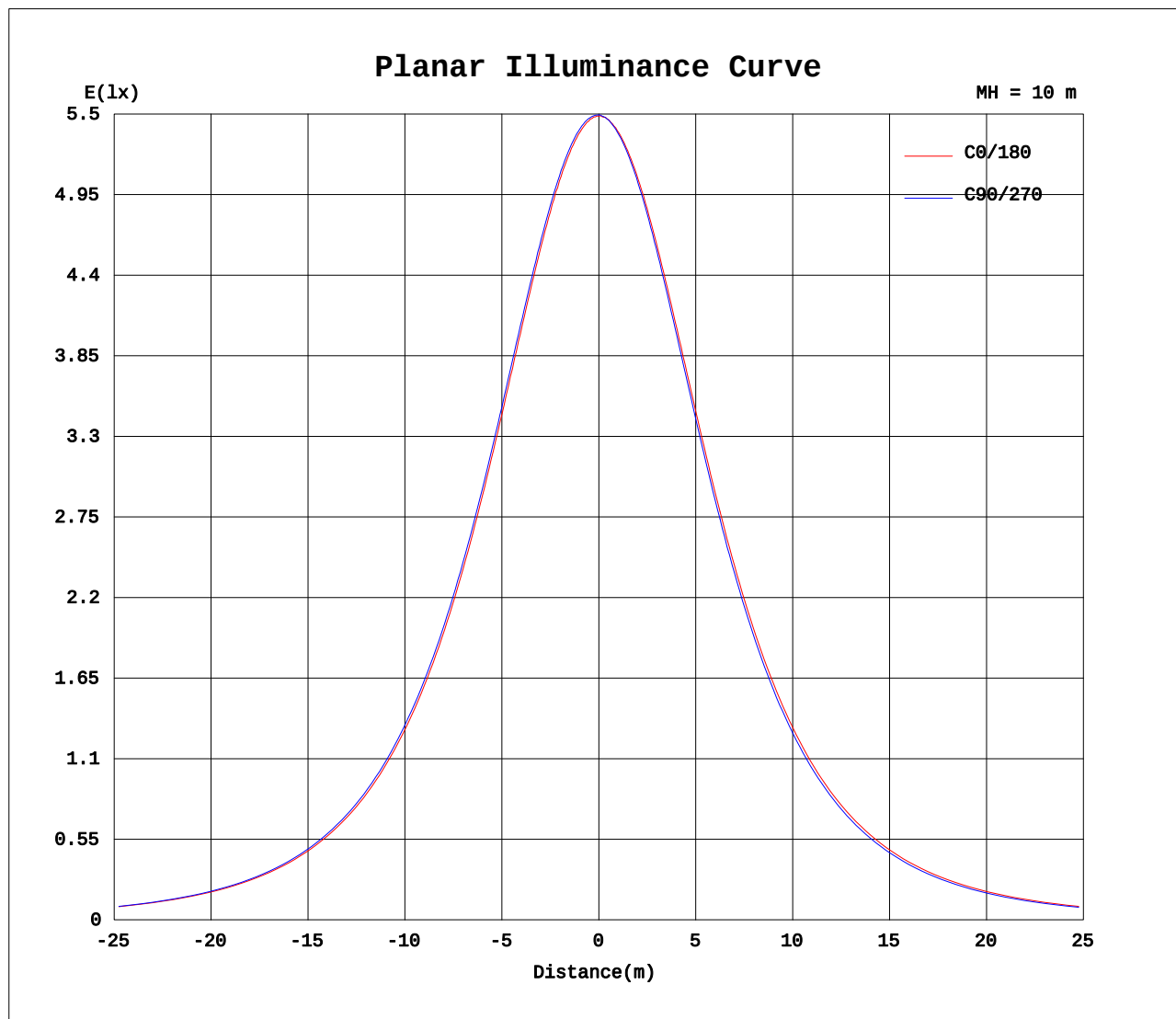
AvgL	cd/m2
L_0~180(65)av	4781
L_0~180(75)av	4366
L_0~180(85)av	3514
L_90~270(65)av	4697
L_90~270(75)av	4193
L_90~270(85)av	3226
L_45(65)av	4738
L_45(75)av	4285
L_45(85)av	3386

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 2.485m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:s23090003c-01
MFR.: Ilsung	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549
5	547	546	547	548	548	548	547	547	548	548	549	548	549	548	548	548	548	547	548
10	539	541	540	540	542	541	542	541	542	542	542	543	542	542	543	541	541	541	541
15	527	528	529	530	530	530	530	531	531	532	533	531	532	531	531	530	530	530	530
20	511	512	512	513	514	515	515	515	516	516	516	516	516	516	516	515	514	513	513
25	490	491	492	493	493	494	494	495	496	496	498	497	497	496	496	495	495	494	493
30	465	466	467	468	469	470	470	471	472	472	472	472	473	472	472	471	470	469	468
35	436	437	438	440	441	442	442	443	444	444	445	444	444	443	444	442	442	440	440
40	404	405	406	407	408	409	409	411	411	412	412	412	412	412	411	410	409	408	408
45	368	369	370	371	373	374	374	375	376	376	377	376	376	376	375	374	374	372	372
50	329	330	331	332	334	335	335	336	336	337	337	337	337	337	337	335	335	333	333
55	288	289	290	291	292	293	294	294	295	295	296	295	295	295	295	294	293	292	292
60	245	245	247	248	249	249	250	250	251	251	252	251	251	251	251	250	249	249	249
65	200	201	202	203	204	204	204	205	205	205	206	206	206	206	206	205	204	203	204
70	155	156	157	158	158	158	159	159	159	159	160	160	160	160	160	160	159	158	159
75	111	112	113	113	114	114	113	113	114	114	114	114	115	115	115	115	114	114	115
80	69.2	69.8	70.4	70.8	70.9	70.8	70.7	70.7	70.8	70.9	72.1	71.5	71.6	71.3	71.9	71.2	71.6	70.6	71.5
85	30.0	30.7	31.2	31.6	31.9	32.0	32.0	32.1	32.1	32.2	32.3	32.4	32.5	32.4	32.4	32.1	31.6	31.1	31.3
90	1.74	0.08	1.59	1.71	1.90	1.99	2.04	2.06	2.12	2.13	2.08	2.04	2.05	2.00	1.92	1.79	1.70	1.57	0.08
95	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.09
100	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.11
105	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.13
110	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.15
115	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.16
120	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.17	0.17	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17
125	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.19
130	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.22
135	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27
140	0.30	0.30	0.29	0.30	0.30	0.30	0.30	0.29	0.29	0.30	0.29	0.29	0.30	0.29	0.29	0.30	0.30	0.30	0.32
145	0.31	0.31	0.31	0.31	0.32	0.32	0.31	0.31	0.31	0.31	0.31	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.36
150	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.31	0.32	0.32	0.31	0.32	0.31	0.31	0.32	0.32	0.32	0.39
155	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.33	0.33	0.33	0.41
160	0.35	0.35	0.35	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.34	0.35	0.35	0.35	0.44
165	0.37	0.37	0.37	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.36	0.37	0.36	0.37	0.45
170	0.40	0.40	0.39	0.39	0.40	0.40	0.40	0.41	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.41	0.40	0.47
175	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.48
180	0.47	0.46	0.46	0.46	0.46	0.45	0.46	0.45	0.45	0.45	0.44	0.45	0.44	0.46	0.45	0.45	0.46	0.46	0.46

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:0.1939A P:21.250W PF:0.9131 Freq:60.00Hz Lamp Flux:1593.68x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:s23090003c-01		
MFR.: Ilsung									SUR.:						Shielding Angle:		

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549		
5	547	546	547	546	546	545	545	546	546	546	546	546	546	547	546	546	546		
10	540	539	538	539	538	538	537	538	537	538	537	538	538	538	539	539	539		
15	528	528	527	527	526	525	525	525	524	525	525	525	525	526	526	527	527		
20	512	511	511	510	509	508	508	508	507	507	507	508	507	508	509	510	510		
25	492	491	490	489	488	487	486	486	485	486	486	486	487	488	488	488	490		
30	467	466	465	463	462	461	461	460	460	460	460	461	461	462	462	464	464		
35	438	437	436	435	433	432	431	431	430	431	430	431	431	433	434	435	436		
40	406	405	403	401	400	399	398	398	397	398	397	398	398	400	401	402	403		
45	370	368	367	366	364	363	362	361	361	362	361	362	362	364	365	366	367		
50	332	330	328	327	325	324	322	322	322	322	322	323	323	325	326	327	329		
55	290	289	287	285	283	282	281	281	280	280	280	281	282	283	284	286	288		
60	247	245	243	242	240	238	238	237	237	237	237	238	239	240	241	243	245		
65	202	200	199	197	195	194	193	192	192	192	192	193	194	196	197	199	200		
70	158	156	154	153	151	150	149	148	148	148	148	149	151	152	154	155	157		
75	113	112	110	108	107	105	104	103	103	104	104	105	107	108	110	111	112		
80	70.4	68.9	67.4	65.9	64.5	63.0	62.1	61.6	61.3	61.6	62.4	63.5	64.6	66.0	67.4	68.7	69.8		
85	30.3	29.3	28.2	27.2	26.3	25.3	24.7	24.2	24.0	24.4	24.9	25.6	26.5	27.4	28.3	29.3	30.2		
90	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07		
95	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		
100	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.11	0.11		
105	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.13	0.13		
110	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.15	0.15	0.15	0.15	0.15		
115	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16		
120	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.17	0.17	0.17	0.17	0.17		
125	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.18	0.18	0.18	0.18		
130	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.22	0.21	0.22	0.22	0.21	0.22	0.21		
135	0.27	0.27	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.26	0.27	0.26	0.27	0.27	0.26	0.26	0.26		
140	0.32	0.32	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.31	0.32	0.31	0.32	0.32	0.31	0.31	0.31		
145	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.35	0.36	0.36	0.36	0.36	0.36		
150	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39		
155	0.42	0.41	0.42	0.41	0.42	0.42	0.42	0.42	0.42	0.41	0.42	0.41	0.42	0.42	0.42	0.42	0.42		
160	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44		
165	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.44	0.45	0.45	0.45	0.45	0.45		
170	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.46	0.47	0.46	0.46	0.47	0.47	0.47		
175	0.48	0.48	0.48	0.48	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.48	0.48		
180	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.485m [K=1.0000]
Remarks: