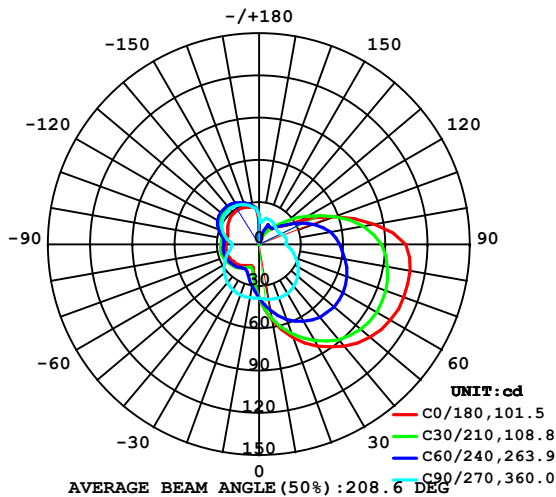


LUMINAIRE PHOTOMETRIC TEST REPORT

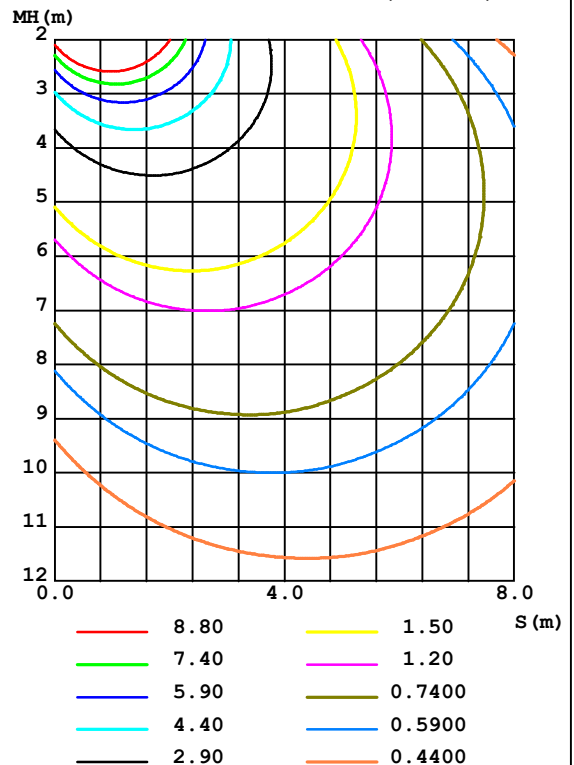
Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm		
NAME: 6011-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.45 lm/W			
MODEL	6011-3000	I _{max} (cd)	109.7	S/MH(C0/180)	0.41
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.46
RATED VOLTAGE(V)	0	TOTAL FLUX(lm)	507.33	η UP,DN(C0-180)	18.1,32.1
NOMINAL FLUX(lm)	507.331	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	21.5,28.4
LAMPS INSIDE	1	η up(%)	39.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η down(%)	60.4	CIBSE SHR MAX	1.55

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:DAMIN
 Test Date:2022-06-06

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.735m [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	55.23	51.17	39.71	27.57	22.42	26.88	38.63	50.43	0- 10	3.697	3.697	0.73,0.73
20	70.40	62.93	40.77	20.25	16.23	19.24	38.64	61.39	10- 20	11.35	15.05	2.97,2.97
30	83.46	72.36	40.46	20.62	17.78	19.81	37.56	70.28	20- 30	20.06	35.11	6.92,6.92
40	94.43	79.15	38.78	23.00	19.72	22.23	35.48	76.56	30- 40	29.55	64.66	12.7,12.7
50	103.0	83.10	36.16	25.22	21.43	24.42	32.41	80.17	40- 50	38.65	103.3	20.4,20.4
60	108.1	84.43	32.46	26.91	22.80	26.16	28.67	81.11	50- 60	46.19	149.5	29.5,29.5
70	109.7	82.92	28.04	27.88	23.73	27.44	24.68	79.73	60- 70	51.25	200.7	39.6,39.6
80	109.1	79.14	23.34	27.79	23.95	27.90	21.14	76.69	70- 80	53.37	254.1	50.1,50.1
90	104.3	74.40	19.31	26.58	23.44	27.12	19.23	72.61	80- 90	52.45	306.6	60.4,60.4
100	83.55	66.49	20.13	25.04	23.34	27.25	23.10	65.34	90-100	48.26	354.8	69.9,69.9
110	58.06	53.33	18.90	19.90	23.87	30.54	27.71	57.24	100-110	40.98	395.8	78,78
120	32.97	38.83	16.94	19.03	25.83	33.96	30.63	47.51	110-120	32.54	428.4	84.4,84.4
130	20.07	25.37	16.41	21.02	27.64	35.65	32.29	40.07	120-130	25.28	453.6	89.4,89.4
140	14.32	16.63	17.45	22.42	28.75	35.55	32.78	33.34	130-140	20.21	473.8	93.4,93.4
150	14.76	11.99	18.92	23.21	29.01	34.01	32.08	27.75	140-150	15.50	489.3	96.5,96.5
160	4.992	4.554	19.30	23.78	28.39	31.38	30.07	25.06	150-160	10.65	500.0	98.6,98.6
170	0.3315	0.4330	17.49	24.55	26.84	28.05	27.18	19.67	160-170	5.640	505.6	99.7,99.7
180	16.20	21.61	20.73	19.88	16.24	21.63	20.73	19.90	170-180	1.697	507.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 82.919 lm

%lum = 16.3%

%lamp = 16.3%

Conical surface Flux(120deg): 149.49 lm

%lum = 29.5%

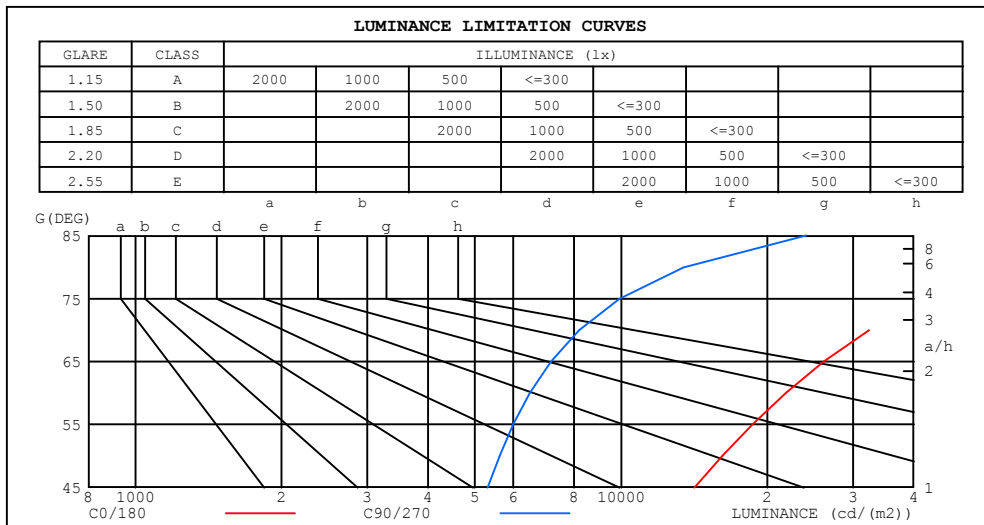
%lamp = 29.5%

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm		
NAME: 6011-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	124564	24074
80	63415	13421
75	42711	9915
70	32373	8184
65	26139	7169
60	21823	6482
55	18658	5987
50	16171	5617
45	14143	5305

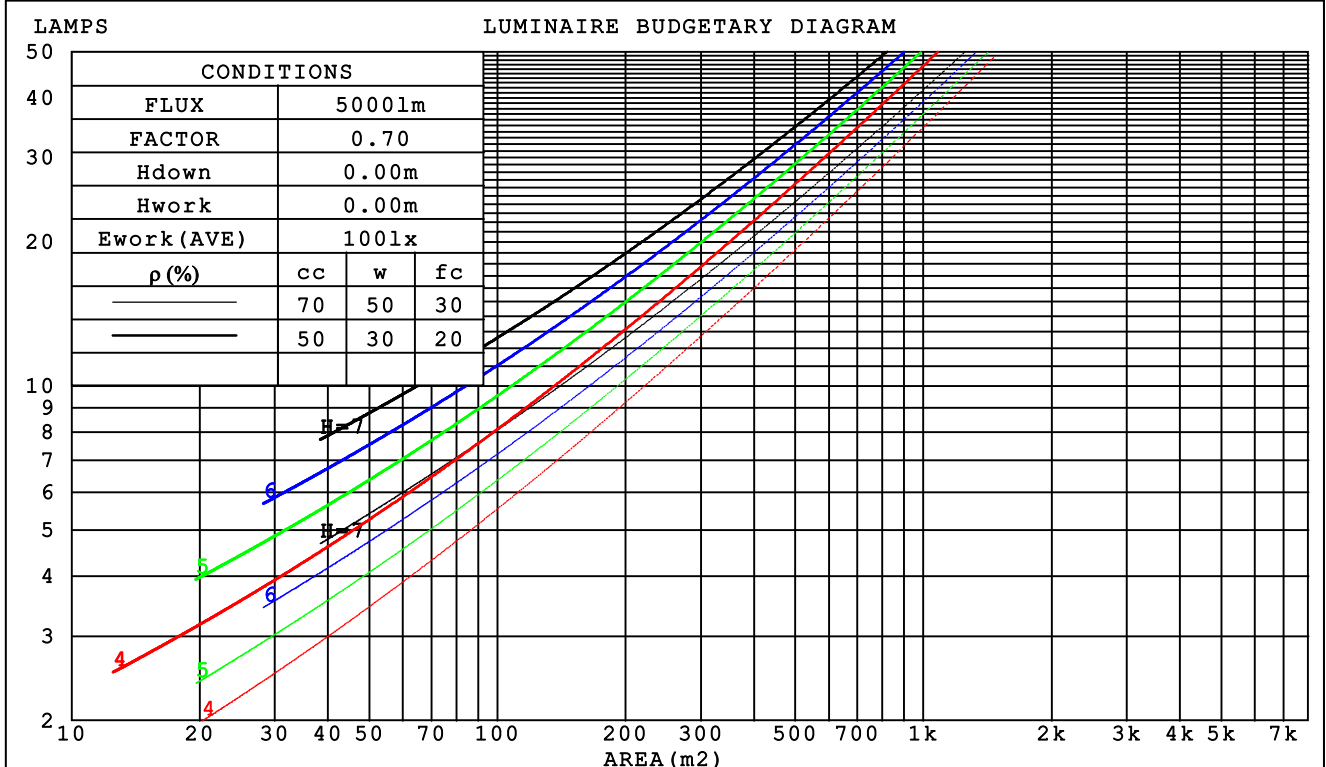
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm		
NAME: 6011-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding 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															



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm					
NAME: 6011-3000			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO			SUR.:0.01		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	.426	.242	.077	.407	.232	.074	.371	.213	.068	.337	.195	.062	.307	.178	.057		
2.0	.355	.195	.060	.338	.186	.057	.305	.169	.053	.274	.154	.048	.246	.139	.044		
3.0	.309	.165	.049	.293	.157	.047	.263	.143	.043	.235	.129	.040	.209	.116	.036		
4.0	.275	.143	.042	.260	.136	.040	.232	.123	.037	.207	.111	.034	.183	.099	.030		
5.0	.247	.126	.037	.234	.120	.035	.209	.109	.032	.185	.098	.029	.163	.087	.026		
6.0	.225	.113	.032	.213	.108	.031	.190	.097	.028	.168	.087	.026	.147	.078	.023		
7.0	.206	.102	.029	.195	.097	.028	.174	.088	.025	.153	.079	.023	.135	.070	.021		
8.0	.191	.093	.026	.180	.089	.025	.160	.080	.023	.142	.072	.021	.124	.064	.019		
9.0	.177	.086	.024	.167	.082	.023	.149	.074	.021	.131	.066	.019	.115	.058	.017		
10.0	.165	.079	.022	.156	.075	.021	.139	.068	.019	.123	.061	.017	.107	.054	.015		

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	.492	.492	.492	.420	.420	.420	.287	.287	.287	.165	.165	.165	.053	.053	.053	
1.0	.492	.459	.429	.421	.394	.369	.288	.271	.255	.166	.157	.149	.053	.050	.048	
2.0	.487	.438	.396	.417	.377	.343	.286	.261	.239	.165	.152	.140	.053	.049	.046	
3.0	.480	.422	.376	.411	.364	.326	.282	.253	.229	.163	.148	.135	.052	.048	.044	
4.0	.472	.411	.364	.405	.355	.316	.279	.247	.222	.161	.145	.132	.052	.047	.043	
5.0	.465	.401	.355	.399	.347	.309	.275	.243	.218	.159	.142	.129	.051	.046	.043	
6.0	.457	.394	.349	.393	.341	.304	.271	.239	.215	.157	.140	.128	.051	.046	.042	
7.0	.450	.388	.344	.387	.336	.300	.268	.236	.212	.155	.139	.126	.050	.045	.042	
8.0	.443	.382	.340	.382	.332	.297	.264	.233	.211	.154	.137	.125	.050	.045	.042	
9.0	.437	.378	.338	.377	.328	.295	.261	.231	.209	.152	.136	.125	.049	.045	.041	
10.0	.431	.374	.336	.372	.325	.293	.258	.228	.208	.150	.135	.124	.049	.044	.041	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm											
NAME: 6011-3000					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: ATC MIDDLE EAST FZCO					SUR.:0.01			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		25.3	26.5	26.1	27.3	28.3	21.2	22.4	22.0	23.2	24.2
	3H	28.7	29.8	29.5	30.6	31.7	23.4	24.5	24.1	25.3	26.3
	4H	30.6	31.7	31.4	32.5	33.5	24.4	25.5	25.2	26.3	27.4
	6H	32.7	33.7	33.5	34.5	35.6	25.5	26.5	26.4	27.4	28.4
	8H	33.9	34.8	34.7	35.7	36.7	26.1	27.1	26.9	27.9	29.0
	12H	35.2	36.1	36.0	36.9	38.0	26.7	27.7	27.6	28.5	29.6
4H	2H	25.9	27.0	26.7	27.8	28.8	23.4	24.4	24.2	25.2	26.3
	3H	29.5	30.5	30.4	31.3	32.4	25.8	26.7	26.6	27.5	28.6
	4H	31.6	32.4	32.5	33.3	34.4	27.0	27.9	27.9	28.7	29.8
	6H	33.9	34.7	34.8	35.6	36.7	28.2	29.0	29.1	29.9	31.0
	8H	35.2	35.9	36.1	36.8	37.9	28.8	29.5	29.7	30.4	31.6
	12H	36.6	37.3	37.5	38.2	39.4	29.5	30.1	30.4	31.0	32.2
8H	4H	32.0	32.7	32.9	33.6	34.8	28.7	29.4	29.6	30.3	31.4
	6H	34.6	35.2	35.5	36.1	37.3	30.3	30.9	31.2	31.9	33.0
	8H	36.1	36.6	37.0	37.6	38.8	31.2	31.7	32.1	32.7	33.8
	12H	37.8	38.3	38.7	39.2	40.4	32.0	32.5	32.9	33.4	34.6
12H	4H	32.0	32.7	32.9	33.6	34.8	29.2	29.9	30.1	30.8	32.0
	6H	34.7	35.3	35.7	36.2	37.4	31.1	31.7	32.0	32.6	33.8
	8H	36.4	36.8	37.3	37.8	39.0	32.2	32.6	33.1	33.6	34.8
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 507.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.4)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm		
NAME: 6011-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

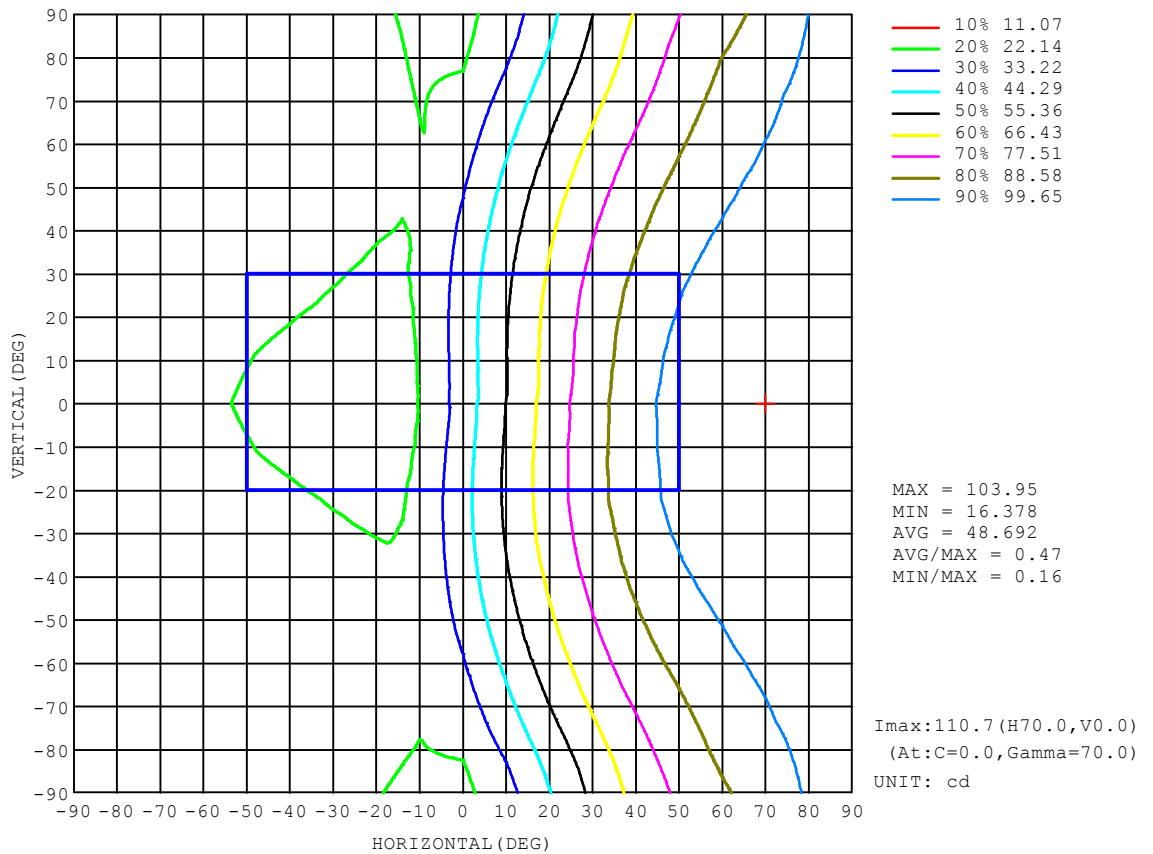
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	38	25	18	36	24	17	33	23	16	9
0.80	47	33	24	44	31	23	40	29	22	13
1.00	54	40	30	51	38	29	46	37	27	16
1.25	61	46	37	57	44	35	51	40	32	20
1.50	66	52	42	62	49	40	55	44	37	23
2.00	74	61	51	69	57	49	61	51	44	28
2.50	79	67	57	74	63	55	64	56	49	31
3.00	83	72	63	77	68	60	68	60	53	34
4.00	88	79	71	82	74	67	72	65	59	38
5.00	92	83	76	86	78	72	74	69	63	41
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:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm		
NAME: 6011-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

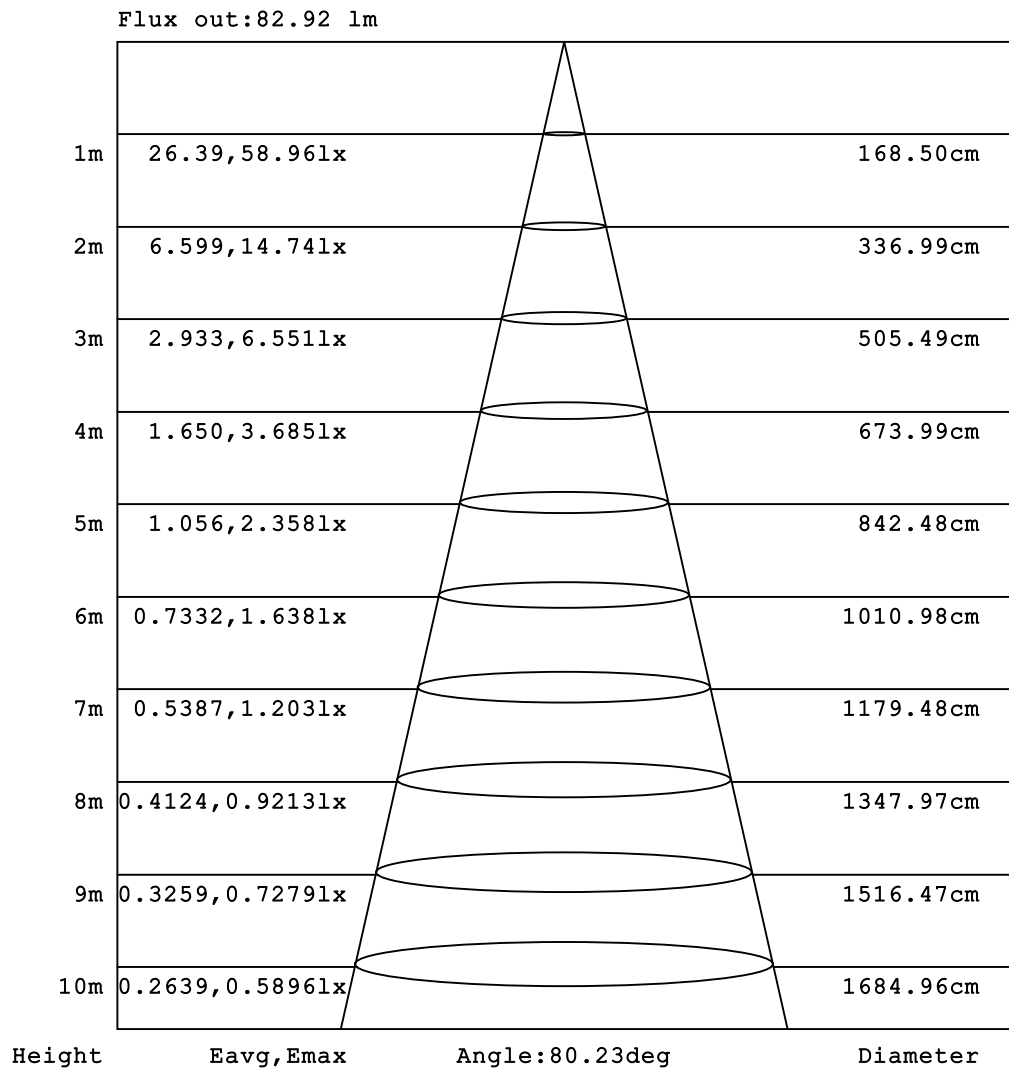


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-06-06

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.735m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm		
NAME: 6011-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:



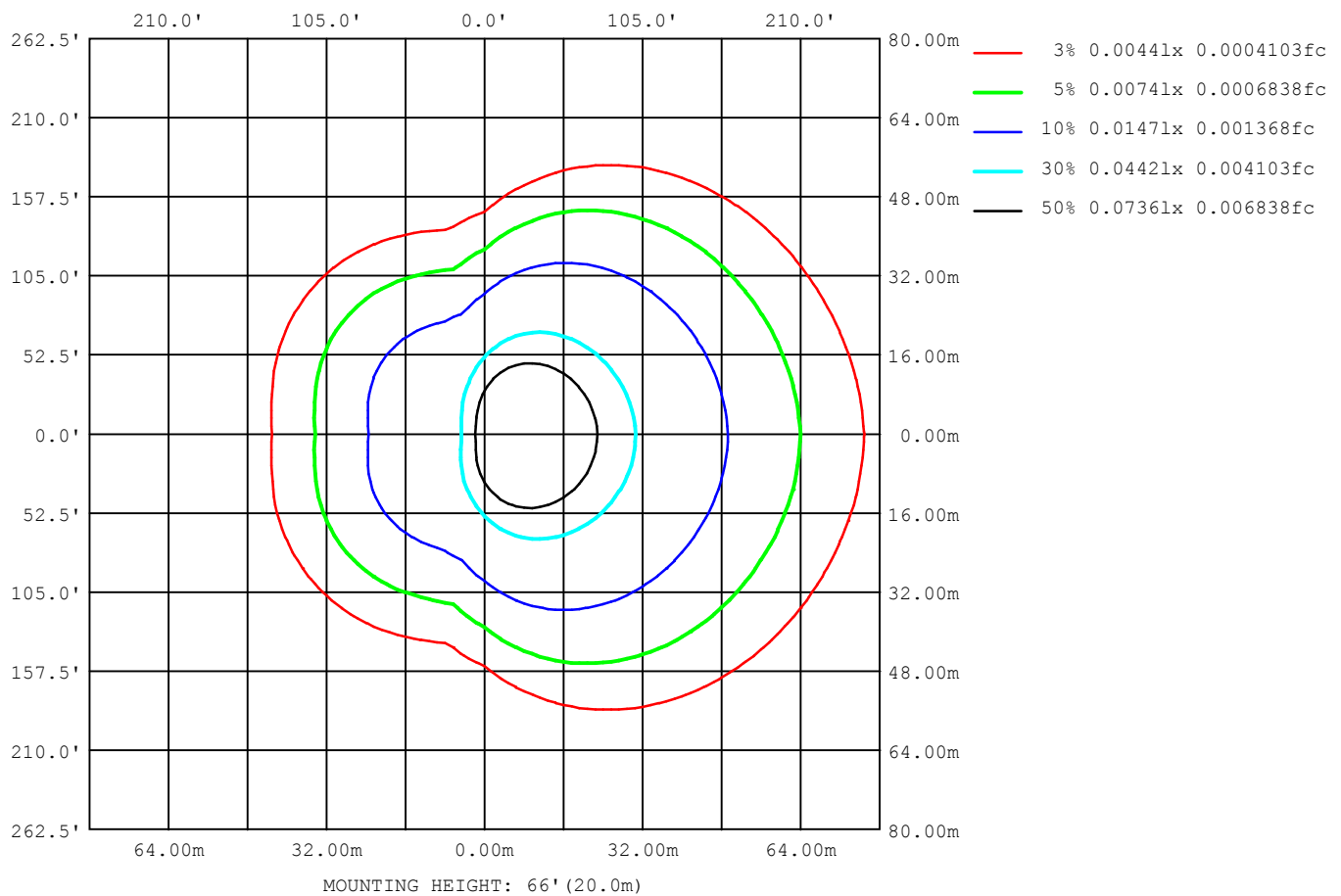
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-06-06

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity: 65.0%
Test Distance: 9.735m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm		
NAME: 6011-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm		
NAME: 6011-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

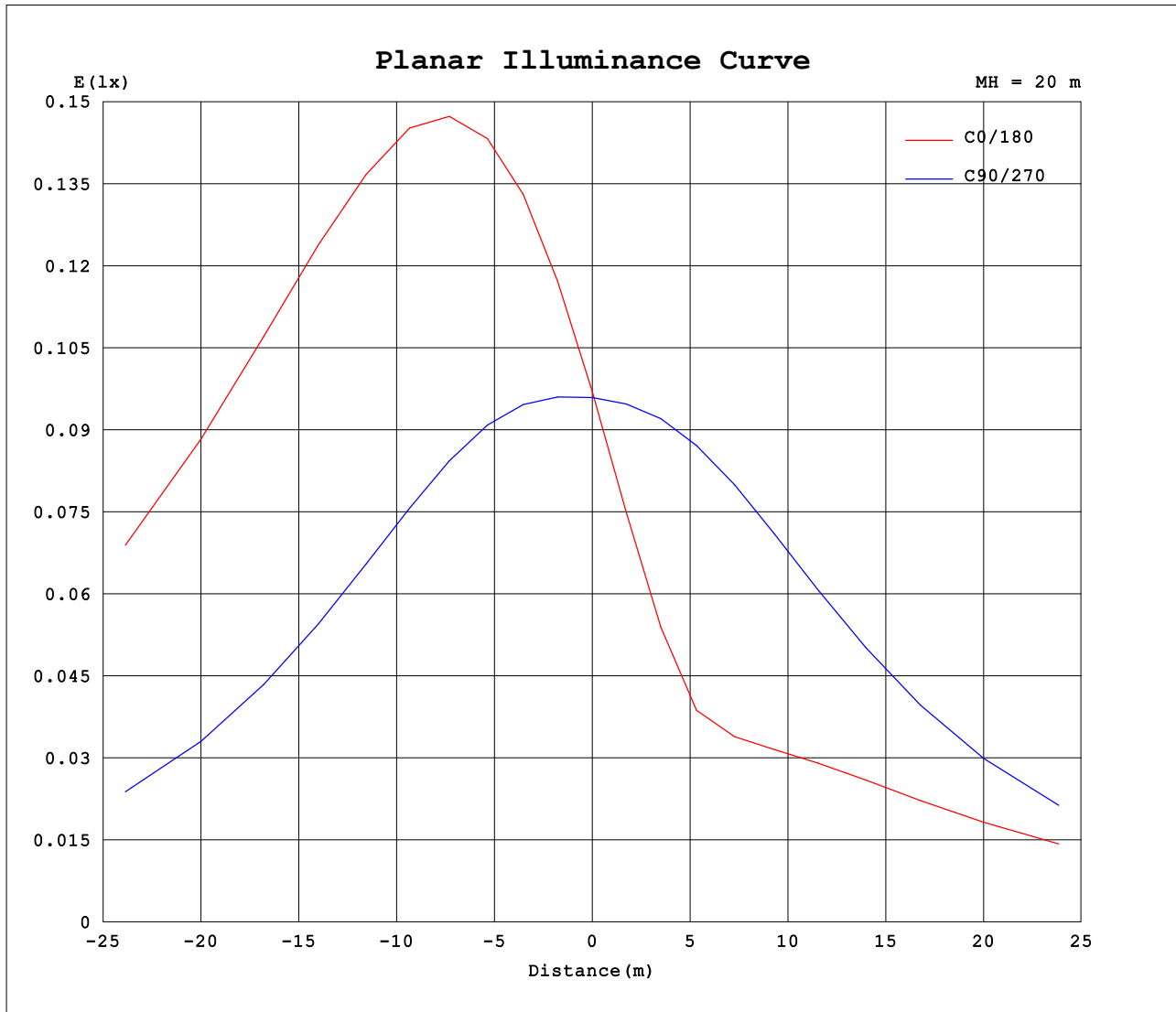
AvgL	cd/m2
L_0~180 (65) av	15705
L_0~180 (75) av	25782
L_0~180 (85) av	75347
L_90~270 (65) av	6745
L_90~270 (75) av	9364
L_90~270 (85) av	23468
L_45 (65) av	12997
L_45 (75) av	20854
L_45 (85) av	59462

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-06-06

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 9.735m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm		
NAME: 6011-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	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	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
5	47.0	46.9	46.6	46.0	45.3	44.3	43.1	41.9	40.5	39.0	37.5	36.1	34.6	33.3	32.2	31.3	30.6	30.1	30.1
10	55.2	55.1	54.4	53.6	52.1	50.2	47.9	45.6	42.6	39.7	36.7	33.9	31.2	28.6	26.5	24.8	23.5	22.7	22.4
15	63.0	63.0	61.9	60.8	58.6	55.9	52.6	48.9	44.6	40.4	36.0	31.9	27.9	24.5	21.8	19.8	18.4	17.5	17.1
20	70.4	70.3	69.0	67.5	64.7	61.2	56.8	51.9	46.4	40.8	35.1	29.8	25.1	21.4	19.1	17.8	17.3	16.7	16.2
25	77.3	77.1	75.8	73.5	70.1	65.8	60.3	54.3	47.7	40.8	34.0	27.8	22.9	20.0	19.4	18.6	18.1	17.4	16.8
30	83.5	83.3	81.6	79.1	74.9	69.8	63.4	56.3	48.5	40.5	32.6	26.0	21.7	20.7	20.5	19.8	19.3	18.4	17.8
35	89.3	89.1	87.0	84.0	79.1	73.1	65.9	57.8	48.9	39.7	31.1	24.5	22.0	21.9	21.7	21.1	20.5	19.5	18.8
40	94.4	94.3	91.8	88.4	82.5	75.8	67.7	58.7	48.9	38.8	29.6	23.5	22.9	23.0	23.0	22.5	21.7	20.6	19.7
45	99.1	98.7	95.7	91.8	85.2	77.7	68.8	59.2	48.5	37.6	28.0	23.4	23.7	24.1	24.2	23.7	22.9	21.5	20.6
50	103	102	98.9	94.3	87.2	79.0	69.5	59.2	47.6	36.2	26.5	23.8	24.6	25.1	25.4	24.8	23.9	22.4	21.4
55	106	105	101	96.0	88.4	79.8	69.7	58.8	46.4	34.4	25.2	24.2	25.3	26.0	26.3	25.7	24.8	23.3	22.2
60	108	107	103	96.7	88.9	80.0	69.1	57.7	44.8	32.5	24.1	24.6	25.9	26.7	27.1	26.5	25.6	23.9	22.8
65	109	108	103	96.6	88.6	79.4	68.1	56.2	42.8	30.3	23.5	24.8	26.4	27.3	27.7	27.1	26.2	24.5	23.3
70	110	108	102	95.8	87.6	78.2	66.7	54.3	40.6	28.0	23.1	24.8	26.6	27.6	28.1	27.6	26.7	24.9	23.7
75	110	107	101	94.6	85.9	76.3	64.6	52.0	38.0	25.7	22.6	24.6	26.6	27.8	28.3	27.9	26.9	25.2	23.9
80	109	106	99.2	92.8	84.0	74.2	62.1	49.1	35.0	23.3	21.9	24.2	26.2	27.5	28.1	27.8	26.9	25.3	23.9
85	108	104	96.6	90.5	81.8	71.9	59.6	46.3	31.9	21.0	21.0	23.5	25.5	26.9	27.6	27.4	26.7	25.1	23.8
90	104	101	92.4	87.1	79.2	69.6	57.5	43.9	29.4	19.3	20.1	22.6	24.7	26.2	27.0	26.9	26.3	24.7	23.4
95	95.4	93.6	86.1	81.8	75.2	66.5	55.2	42.2	28.3	19.5	20.3	22.4	24.5	25.8	26.7	26.7	26.1	24.6	23.3
100	83.5	83.4	77.8	75.3	70.2	62.8	52.1	39.7	26.6	20.1	20.2	21.0	22.1	24.3	25.8	26.1	25.8	24.5	23.3
105	70.5	71.3	67.5	66.9	63.4	57.1	47.3	35.9	24.2	19.7	19.1	18.4	18.5	21.3	23.7	24.7	24.8	23.9	23.2
110	58.1	59.4	57.0	58.0	55.9	50.7	41.9	31.6	21.6	18.9	17.9	16.6	16.4	18.4	21.4	23.2	24.0	23.9	23.9
115	45.3	47.7	46.6	49.1	48.2	44.1	36.2	27.2	19.0	17.8	17.0	16.1	16.2	17.5	20.2	22.2	23.5	24.2	24.8
120	33.0	36.6	37.1	40.5	40.4	37.2	30.5	23.1	17.2	16.9	16.5	16.3	16.7	17.8	20.3	22.4	23.9	24.9	25.8
125	23.9	28.3	30.1	33.3	33.0	30.4	25.3	19.6	16.3	16.5	16.6	16.9	17.8	18.8	21.4	23.4	24.9	25.9	26.8
130	20.1	22.9	24.7	26.7	26.3	24.5	20.9	17.0	15.9	16.4	17.0	17.8	18.7	19.7	22.3	24.3	25.8	26.8	27.6
135	18.2	19.5	20.0	20.8	20.5	20.0	17.5	15.3	15.8	16.7	17.7	18.6	19.4	20.5	23.1	25.0	26.5	27.5	28.3
140	14.3	15.2	15.5	15.9	16.4	16.9	15.4	14.9	16.1	17.4	18.5	19.4	19.9	21.2	23.7	25.5	27.0	27.9	28.7
145	14.2	13.7	13.0	13.0	13.3	14.8	14.7	15.5	16.9	18.2	19.2	19.8	20.2	21.7	24.0	25.8	27.2	28.2	29.0
150	14.8	11.3	8.70	8.96	10.6	13.4	15.2	16.5	17.8	18.9	19.6	19.9	20.3	22.2	24.3	25.9	27.3	28.2	29.0
155	11.8	8.27	5.95	6.37	8.80	12.5	15.9	17.6	18.6	19.4	19.6	19.7	20.7	22.5	24.4	25.9	27.2	28.1	28.8
160	4.99	2.17	0.95	1.11	2.80	6.31	10.6	16.1	19.0	19.3	19.5	20.0	21.5	23.0	24.6	25.9	27.1	27.8	28.4
165	0.29	0.28	0.30	0.40	0.57	2.19	5.82	11.1	16.4	19.4	20.6	21.4	22.5	23.6	24.8	25.8	26.8	27.4	27.7
170	0.33	0.32	0.33	0.33	0.34	0.53	2.23	6.29	12.5	17.5	20.9	22.7	23.4	24.1	25.0	25.6	26.3	26.7	26.8
175	0.38	0.38	0.38	0.39	0.40	0.62	1.97	4.89	10.4	15.8	19.5	21.8	23.5	24.4	25.0	25.2	25.6	25.8	25.8
180	16.2	19.1	20.6	21.6	21.6	21.6	21.4	21.2	20.9	20.7	20.5	20.3	20.1	19.9	19.9	19.7	19.7	19.4	16.2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.44V I:0.0393A P:7.7515W PF:0.8557 Freq:49.99Hz Lamp Flux:507.331x1 lm																	
NAME: 6011-3000									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: ATC MIDDLE EAST FZCO									SUR.:0.01						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	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5		
5	30.1	30.5	31.0	31.9	32.9	34.1	35.5	37.0	38.4	39.9	41.3	42.6	43.9	45.0	45.8	46.4	46.8		
10	22.5	23.2	24.3	25.9	27.8	30.2	32.8	35.7	38.6	41.6	44.4	47.0	49.4	51.5	53.0	54.3	54.9		
15	17.2	17.8	19.1	20.9	23.5	26.6	30.4	34.4	38.8	43.1	47.3	51.0	54.6	57.7	59.9	61.9	62.7		
20	16.4	16.6	17.3	18.2	20.3	23.6	27.9	33.1	38.6	44.3	49.8	54.9	59.4	63.4	66.4	68.8	69.9		
25	17.1	17.4	18.1	18.5	19.1	21.3	25.7	31.5	38.2	45.2	51.8	58.1	63.5	68.7	72.2	75.4	76.8		
30	18.2	18.6	19.3	19.7	20.0	20.4	23.8	29.9	37.6	45.6	53.4	60.8	67.3	73.3	77.5	81.4	83.0		
35	19.3	19.9	20.6	20.9	21.1	21.0	22.4	28.3	36.6	45.7	54.6	63.1	70.4	77.1	82.2	86.6	88.8		
40	20.3	21.1	22.0	22.2	22.2	21.8	21.9	26.6	35.5	45.4	55.3	64.6	72.8	80.3	86.2	91.3	93.9		
45	21.3	22.3	23.2	23.4	23.3	22.7	22.2	25.1	34.1	44.8	55.6	65.7	74.6	82.9	89.3	95.2	98.2		
50	22.2	23.3	24.3	24.5	24.3	23.4	22.6	23.8	32.4	43.9	55.4	66.1	75.8	84.6	91.6	98.1	102		
55	23.1	24.3	25.3	25.5	25.2	24.2	23.0	22.8	30.6	42.6	54.8	66.2	76.2	85.6	93.0	100	104		
60	23.8	25.1	26.2	26.3	26.0	24.8	23.4	22.3	28.7	40.9	53.5	65.7	76.1	86.1	93.8	101	106		
65	24.3	25.7	26.9	27.1	26.7	25.3	23.7	22.0	26.7	38.9	52.0	64.6	75.7	85.9	93.8	102	107		
70	24.8	26.2	27.5	27.7	27.2	25.8	23.9	21.8	24.7	36.7	50.2	63.2	74.4	85.1	93.2	101	107		
75	25.1	26.6	27.9	28.1	27.6	26.0	23.9	21.6	22.8	34.3	48.0	61.2	72.8	83.8	92.2	100	107		
80	25.2	26.7	28.0	28.2	27.6	26.1	23.9	21.3	21.1	31.8	45.6	59.2	71.2	82.3	90.7	98.8	106		
85	25.0	26.5	27.7	27.8	27.3	25.8	23.7	21.1	19.9	29.4	43.5	57.3	69.5	80.5	88.7	96.4	104		
90	24.6	26.1	27.3	27.4	26.8	25.4	23.3	20.7	19.2	27.5	41.8	55.5	67.4	77.8	85.2	92.2	99.9		
95	24.4	26.0	27.1	27.3	26.7	25.4	23.6	21.5	20.5	27.2	40.5	53.5	64.6	73.9	78.6	81.3	89.3		
100	24.4	26.0	27.1	27.4	27.2	26.2	25.2	23.8	23.1	27.6	39.3	51.3	61.3	69.4	71.7	69.5	76.3		
105	24.6	26.5	27.9	28.4	28.7	28.3	27.9	26.7	25.7	28.0	38.1	49.1	58.0	64.8	65.0	59.9	63.8		
110	25.5	27.5	29.2	30.2	30.9	30.8	30.3	29.1	27.7	28.4	36.7	46.7	54.4	60.1	58.2	50.2	51.4		
115	26.8	29.0	31.0	32.1	32.8	32.7	32.2	30.9	29.3	28.9	35.2	44.0	50.8	54.8	48.9	37.7	37.8		
120	28.1	30.3	32.5	33.6	34.3	34.2	33.7	32.3	30.6	29.6	33.7	41.0	46.9	48.1	38.4	24.5	24.3		
125	29.1	31.3	33.6	34.7	35.3	35.3	34.7	33.3	31.6	30.3	32.3	38.1	43.0	44.4	34.0	18.7	16.9		
130	29.8	32.0	34.2	35.3	36.0	35.8	35.3	34.0	32.3	30.8	31.2	35.3	39.1	41.0	33.7	20.6	16.9		
135	30.3	32.3	34.3	35.5	36.1	36.0	35.5	34.3	32.7	31.1	30.5	32.8	35.7	37.6	33.0	22.9	17.2		
140	30.5	32.3	34.1	35.2	35.9	35.8	35.3	34.2	32.8	31.2	30.1	30.7	32.6	34.1	31.6	24.6	18.0		
145	30.4	32.0	33.6	34.6	35.3	35.2	34.9	33.8	32.6	31.1	29.8	29.1	29.9	30.8	29.5	25.2	19.2		
150	30.2	31.4	32.9	33.7	34.3	34.3	34.0	33.2	32.1	30.8	29.3	28.2	27.6	27.9	27.0	24.5	20.3		
155	29.7	30.7	31.9	32.5	33.0	33.0	32.9	32.2	31.2	30.2	28.8	27.5	26.3	25.6	24.6	23.2	20.1		
160	29.1	29.8	30.7	31.2	31.6	31.7	31.5	30.9	30.1	29.2	28.1	26.9	25.6	24.5	22.7	19.8	15.2		
165	28.4	28.7	29.4	29.6	29.9	29.9	29.7	29.3	28.8	28.1	27.1	26.2	25.1	23.0	18.5	14.2	9.15		
170	27.2	27.5	27.8	28.0	28.1	28.1	28.0	27.6	27.2	26.8	26.2	25.5	21.7	17.6	13.0	8.36	3.63		
175	26.0	26.0	26.2	26.2	26.3	26.2	26.2	25.9	25.7	25.5	24.8	22.0	17.5	13.4	9.45	5.76	2.25		
180	19.1	20.6	21.6	21.6	21.6	21.3	21.2	20.9	20.7	20.5	20.2	20.0	19.9	19.9	19.6	19.8	19.4		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks: