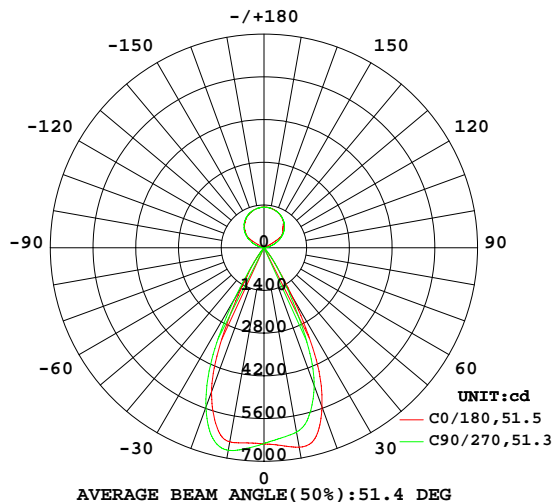


## LUMINAIRE PHOTOMETRIC TEST REPORT

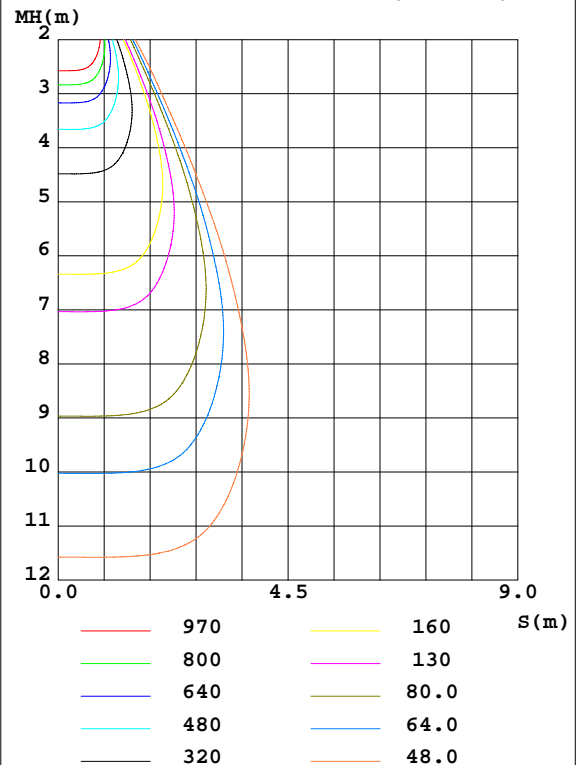
Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1190*160*30	SERIAL No.:
MFR.: A456160105-01	SUR.:1.168*0.06	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.66 lm/W			
MODEL		Imax(cd)	6761	S/MH(C0/180)	0.78
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	0.73
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7804.1	$\eta$ UP,DN(C0-180)	22.5,26.7
NOMINAL FLUX(lm)	7804.09	CIE CLASS	DIFFUSE	$\eta$ UP,DN(C180-360)	22.0,28.9
LAMPS INSIDE	1	$\eta$ up(%)	44.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	$\eta$ down(%)	55.6	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

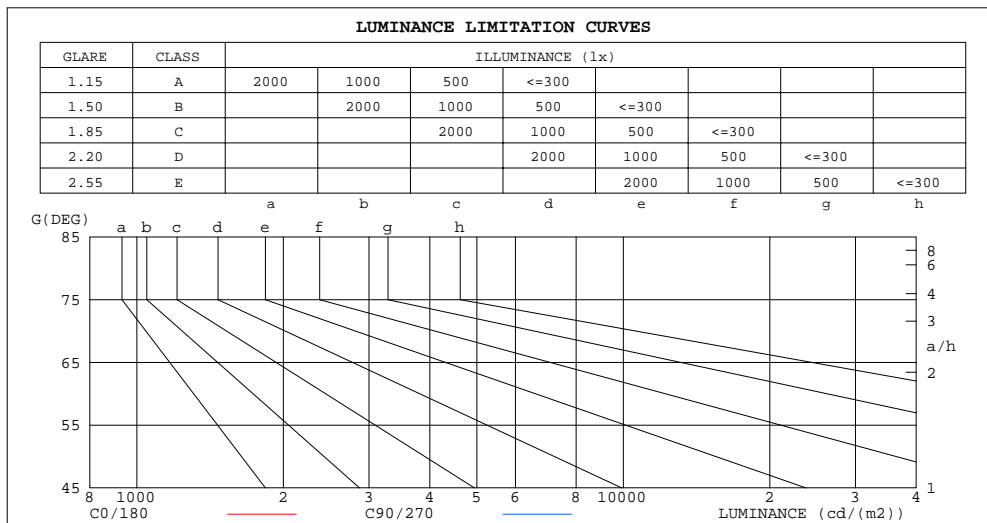
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	6635	6349	6134	6195	6457	6651	6739	6749	0- 10	616.9	616.9	7.91,7.91
20	5554	5168	4809	4762	5029	5334	5563	5693	10- 20	1699	2316	29.7,29.7
30	1907	1678	1486	1334	1319	1566	1921	2052	20- 30	1595	3911	50.1,50.1
40	123.6	183.0	167.2	150.0	88.16	79.59	59.62	87.35	30- 40	402.1	4313	55.3,55.3
50	0.6970	2.018	0.5497	1.114	1.018	1.157	0.6446	1.429	40- 50	19.47	4332	55.5,55.5
60	0.2581	0.2612	0.2331	0.6142	1.384	0.6386	0.2752	0.2857	50- 60	0.5153	4333	55.5,55.5
70	0.2255	0.2070	0.1955	1.342	2.939	1.417	0.2212	0.2390	60- 70	0.6321	4333	55.5,55.5
80	0.2434	0.2162	0.1888	2.783	4.460	2.771	0.2087	0.2598	70- 80	1.165	4334	55.5,55.5
90	0.4467	0.3055	0.3093	2.097	2.328	2.100	0.4124	0.4296	80- 90	1.749	4336	55.6,55.6
100	4.529	0	100.7	0	4.773	0	81.76	0	90-100	8.267	4345	55.7,55.7
110	7.619	167.9	350.4	160.0	6.988	147.6	318.9	151.6	100-110	81.85	4426	56.7,56.7
120	388.9	606.6	619.7	585.3	386.9	564.6	590.7	568.3	110-120	315.3	4742	60.8,60.8
130	816.7	820.0	852.1	820.2	803.4	803.3	828.2	792.9	120-130	625.3	5367	68.8,68.8
140	986.1	1031	1033	1012	994.7	997.6	1014	1018	130-140	707.0	6074	77.8,77.8
150	1163	1167	1167	1156	1145	1144	1155	1158	140-150	682.4	6756	86.6,86.6
160	1259	1260	1259	1253	1247	1245	1250	1255	150-160	558.1	7314	93.7,93.7
170	1317	1315	1315	1312	1310	1306	1308	1313	160-170	363.5	7678	98.4,98.4
180	1335	1335	1335	1335	1335	1335	1335	1335	170-180	126.2	7804	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity:65.0%  
 Test Distance:11.700m [K=0.8547]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1190*160*30	SERIAL No.:
MFR.: A456160105-01	SUR.:1.168*0.06	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	48	32
80	20	16
75	13	10
70	9	8
65	7	7
60	7	7
55	9	6
50	15	12
45	131	224

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

```

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

```

## WEC AND CCEC

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1190*160*30			SERIAL No.:		
MFR.: A456160105-01			SUR.:1.168*0.06			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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.203	.115	.037	.182	.104	.033	.145	.083	.026	.110	.063	.020	.078	.045	.015	
2.0	.188	.103	.032	.170	.094	.029	.136	.076	.024	.105	.059	.018	.076	.043	.013	
3.0	.176	.094	.028	.159	.085	.026	.128	.070	.021	.100	.055	.017	.073	.041	.013	
4.0	.165	.086	.025	.150	.078	.023	.121	.064	.019	.095	.051	.015	.071	.038	.012	
5.0	.155	.079	.023	.141	.072	.021	.115	.060	.018	.091	.048	.014	.068	.037	.011	
6.0	.146	.073	.021	.133	.067	.019	.109	.056	.016	.087	.045	.013	.066	.035	.010	
7.0	.138	.068	.019	.126	.063	.018	.104	.053	.015	.083	.043	.012	.064	.033	.010	
8.0	.131	.064	.018	.120	.059	.017	.099	.050	.014	.080	.041	.012	.062	.032	.009	
9.0	.124	.060	.017	.114	.056	.016	.095	.047	.013	.077	.039	.011	.060	.030	.009	
10.0	.118	.057	.016	.109	.053	.015	.091	.045	.013	.074	.037	.010	.058	.029	.008	

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	.529	.529	.529	.452	.452	.452	.309	.309	.309	.177	.177	.177	.057	.057	.057	
1.0	.514	.498	.484	.440	.428	.417	.301	.294	.288	.173	.170	.168	.055	.055	.054	
2.0	.502	.476	.454	.430	.410	.393	.295	.284	.274	.170	.165	.161	.055	.053	.052	
3.0	.492	.459	.433	.422	.396	.376	.289	.275	.263	.167	.161	.155	.054	.052	.051	
4.0	.483	.446	.418	.414	.385	.363	.285	.269	.256	.165	.157	.151	.053	.051	.050	
5.0	.475	.436	.407	.408	.377	.354	.281	.263	.250	.163	.155	.148	.052	.050	.049	
6.0	.469	.428	.398	.403	.370	.347	.278	.259	.245	.161	.152	.146	.052	.050	.048	
7.0	.463	.421	.392	.398	.365	.341	.275	.256	.242	.160	.151	.144	.052	.049	.048	
8.0	.457	.415	.387	.394	.360	.337	.272	.253	.239	.158	.149	.142	.051	.049	.047	
9.0	.452	.411	.382	.390	.356	.334	.270	.250	.237	.157	.148	.141	.051	.049	.047	
10.0	.448	.407	.379	.386	.353	.331	.268	.248	.235	.156	.147	.140	.051	.048	.047	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 1190*160*30			SERIAL No.:				
MFR.: A456160105-01			SUR.:1.168*0.06			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	6.6	7.3	7.4	8.0	8.9	6.3	7.0	7.1	7.8	8.7
3H	6.3	6.9	7.1	7.7	8.6	6.0	6.6	6.8	7.4	8.4
4H	6.1	6.7	7.0	7.5	8.5	5.9	6.4	6.7	7.2	8.2
6H	6.0	6.5	6.8	7.3	8.3	5.7	6.2	6.6	7.1	8.1
8H	5.9	6.4	6.7	7.2	8.3	5.6	6.1	6.5	7.0	8.0
12H	5.8	6.3	6.7	7.1	8.2	5.5	6.0	6.4	6.9	7.9
4H 2H	6.1	6.7	7.0	7.5	8.5	5.9	6.4	6.7	7.2	8.2
3H	5.8	6.3	6.7	7.1	8.2	5.5	6.0	6.4	6.9	7.9
4H	5.6	6.1	6.5	6.9	8.0	5.4	5.8	6.3	6.7	7.8
6H	5.4	5.8	6.4	6.7	7.9	5.2	5.6	6.1	6.5	7.6
8H	5.3	5.7	6.3	6.6	7.8	5.1	5.4	6.0	6.3	7.5
12H	5.2	5.6	6.2	6.5	7.7	5.0	5.3	5.9	6.2	7.4
8H 4H	5.3	5.7	6.3	6.6	7.8	5.1	5.4	6.0	6.3	7.5
6H	5.2	5.4	6.1	6.4	7.6	4.9	5.2	5.9	6.1	7.3
8H	5.1	5.3	6.0	6.3	7.5	4.8	5.0	5.8	6.0	7.2
12H	5.0	5.2	5.9	6.1	7.4	4.7	4.9	5.7	5.9	7.1
12H 4H	5.2	5.6	6.2	6.5	7.7	5.0	5.3	5.9	6.2	7.4
6H	5.1	5.3	6.0	6.3	7.5	4.8	5.0	5.8	6.0	7.2
8H	5.0	5.2	5.9	6.1	7.4	4.7	4.9	5.7	5.9	7.1
Variations with the observer position at spacings:										
S = 1.0H	+ 4.3 / -25.7					+ 4.4 / -29.0				
1.5H	+ 7.2 / -25.5					+ 7.2 / -28.8				
2.0H	+ 6.3 / - 3.5					+ 7.4 / - 8.2				

CIE Pub.117, 7804 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 7.1$ )

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1190*160*30	SERIAL No.:
MFR.: A456160105-01	SUR.:1.168*0.06	Shielding Angle:

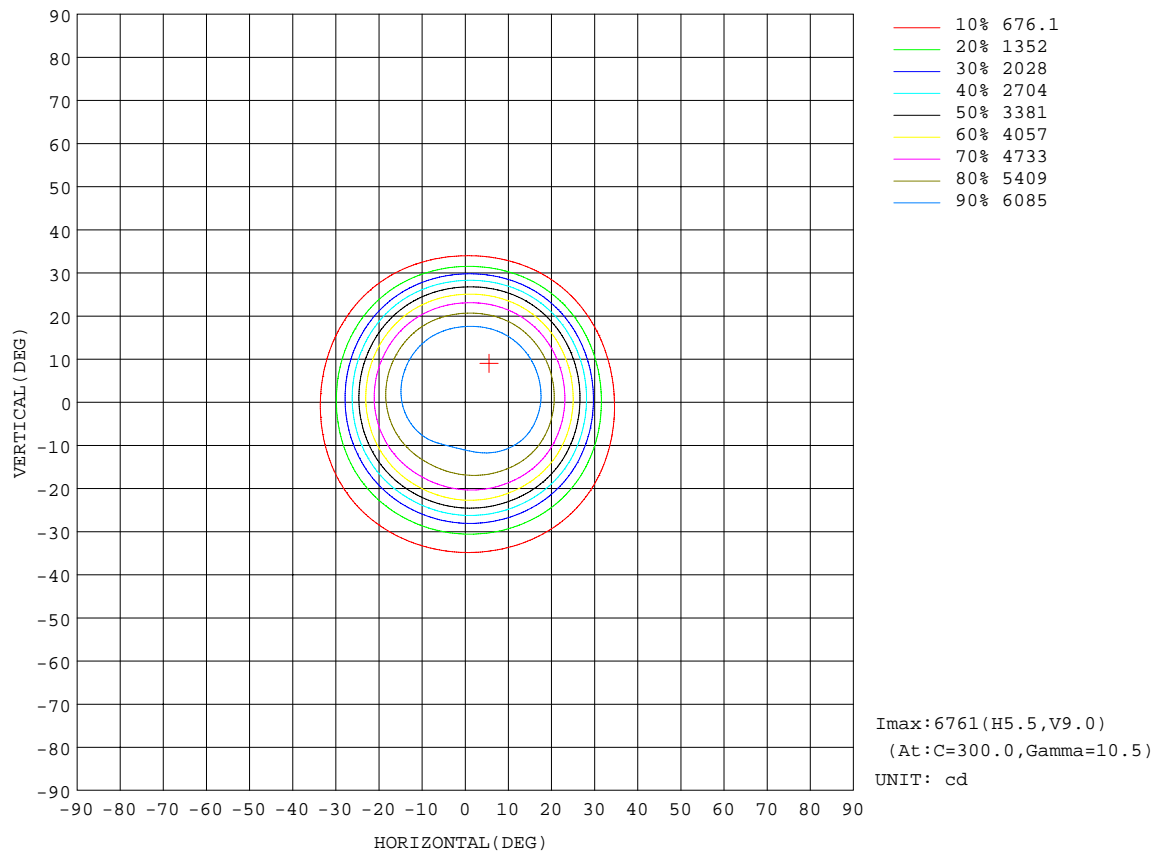
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	57	52	62	55	52	58	53	50	44
0.80	72	64	60	69	62	58	64	59	56	48
1.00	77	70	65	74	67	63	67	63	59	50
1.25	82	75	70	78	72	68	71	66	63	52
1.50	86	79	74	82	76	71	73	69	66	53
2.00	91	84	79	85	80	76	76	72	69	53
2.50	93	88	83	88	83	79	78	74	72	54
3.00	96	91	86	90	86	82	79	76	74	54
4.00	99	94	91	93	89	86	81	79	77	55
5.00	101	97	94	94	91	89	82	80	79	56
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: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1190*160*30	SERIAL No.:
MFR.: A456160105-01	SUR.:1.168*0.06	Shielding Angle:



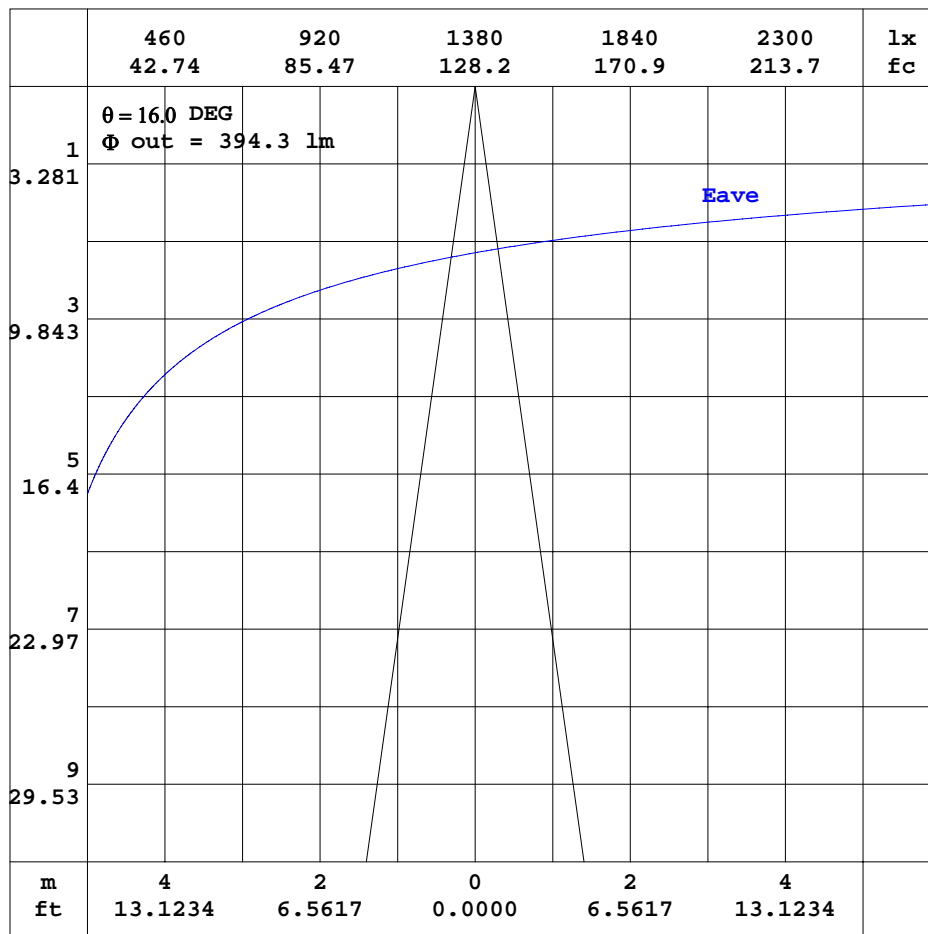
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:



### AAI CURVES

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1190*160*30	SERIAL No.:
MFR.: A456160105-01	SUR.:1.168*0.06	Shielding Angle:



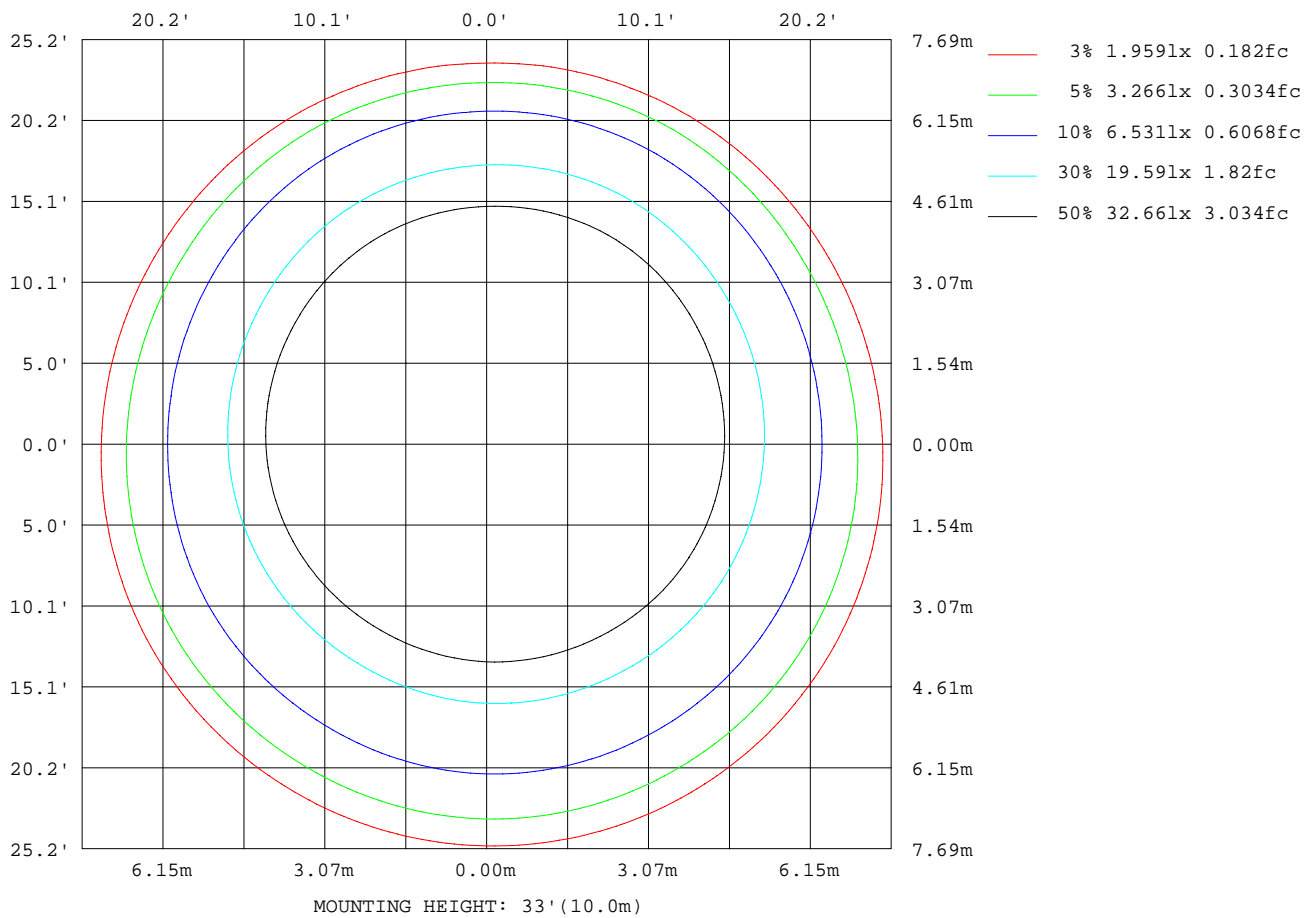
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-05-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity: 65.0%  
 Test Distance: 11.700m [K=0.8547]  
 Remarks:

### ISOLUX DIAGRAM

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1190*160*30	SERIAL No.:
MFR.: A456160105-01	SUR.:1.168*0.06	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-05-31

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity: 65.0%  
 Test Distance: 11.700m [K=0.8547]  
 Remarks:

## LED Avg.L Report

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1190*160*30	SERIAL No.:
MFR.: A456160105-01	SUR.:1.168*0.06	Shielding Angle:

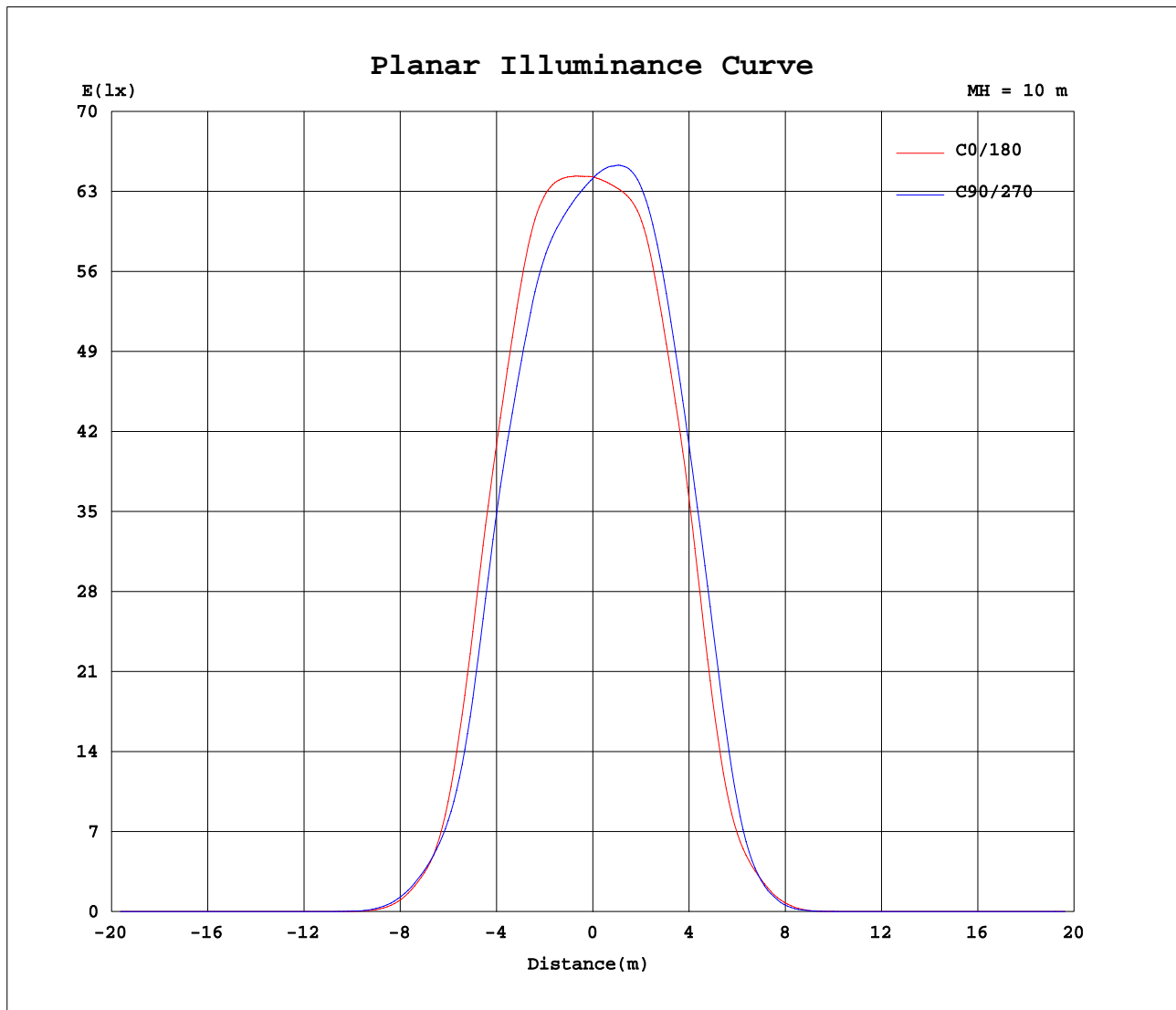
AvgL	cd/m2
L_0~180(65)av	41
L_0~180(75)av	104
L_0~180(85)av	482
L_90~270(65)av	8
L_90~270(75)av	11
L_90~270(85)av	33
L_45(65)av	18
L_45(75)av	61
L_45(85)av	318

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-05-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity: 65.0%  
Test Distance: 11.700m [K=0.8547]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1190*160*30						SERIAL No.:		
MFR.: A456160105-01									SUR.:1.168*0.06						Shielding Angle:		

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	6429	6428	6428	6428	6427	6426	6425	6423	6422	6420	6418	6416	6415	6415	6415	6415	6415	6415	6415
5	6505	6487	6470	6453	6436	6420	6403	6386	6370	6354	6338	6324	6311	6300	6290	6282	6275	6269	6264
10	6635	6606	6576	6546	6516	6485	6453	6418	6383	6349	6315	6283	6252	6225	6201	6180	6161	6146	6134
15	6465	6427	6388	6347	6304	6260	6213	6161	6108	6054	6001	5950	5901	5858	5819	5783	5751	5723	5700
20	5554	5524	5492	5456	5418	5376	5332	5279	5224	5168	5112	5058	5006	4965	4927	4893	4862	4834	4809
25	4060	4025	3986	3945	3901	3853	3803	3743	3681	3618	3556	3495	3436	3391	3348	3309	3272	3236	3203
30	1907	1883	1859	1834	1809	1784	1759	1732	1705	1678	1652	1626	1602	1581	1561	1541	1523	1504	1486
35	620	633	644	653	661	668	673	677	678	679	679	678	676	675	673	670	667	663	658
40	124	133	143	151	158	165	170	175	180	183	185	187	187	185	182	179	175	171	167
45	6.50	8.67	10.7	12.7	14.6	16.3	18.0	20.1	22.0	23.6	24.9	25.7	25.9	23.8	21.3	18.5	15.7	13.2	11.1
50	0.70	0.84	0.99	1.12	1.26	1.39	1.52	1.70	1.87	2.02	2.13	2.20	2.21	1.97	1.69	1.39	1.08	0.79	0.55
55	0.38	0.37	0.36	0.35	0.35	0.35	0.35	0.37	0.38	0.40	0.41	0.42	0.42	0.39	0.36	0.33	0.30	0.27	0.26
60	0.26	0.25	0.25	0.25	0.24	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.28	0.27	0.26	0.25	0.24	0.23	0.23
65	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.21	0.21	0.20	0.20	0.19	0.19	0.19	0.20	0.20	0.21
70	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.20	0.20	0.20	0.19	0.18	0.18	0.18	0.18	0.20
75	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.19	0.17	0.15	0.14	0.14	0.16	0.19
80	0.24	0.25	0.25	0.25	0.25	0.24	0.24	0.23	0.22	0.22	0.21	0.20	0.19	0.15	0.11	0.09	0.09	0.12	0.19
85	0.29	0.30	0.31	0.31	0.31	0.31	0.30	0.28	0.27	0.25	0.23	0.21	0.19	0.13	0.08	0.05	0.06	0.10	0.20
90	0.45	0.42	0.40	0.38	0.36	0.35	0.34	0.32	0.31	0.31	0.30	0.29	0.29	0.26	0.23	0.21	0.22	0.25	0.31
95	3.36	3.40	3.43	3.47	3.51	3.54	3.58	3.08	2.68	2.46	2.51	2.92	3.78	7.29	11.1	14.9	18.4	21.3	23.5
100	4.53	4.48	4.46	4.45	4.45	4.48	4.52	2.03	0.00	0.00	0.00	0.98	5.13	22.2	40.6	58.9	76.0	90.3	101
105	5.27	0.00	0.00	0.00	0.00	0.00	5.30	21.1	39.4	59.6	80.8	102	124	143	161	176	188	197	202
110	7.62	0.00	0.00	0.00	0.00	0.00	9.29	57.1	111	168	225	280	329	347	357	362	361	357	350
115	22.4	51.9	82.7	115	148	182	218	262	305	348	388	425	458	473	484	490	493	492	489
120	389	434	474	509	539	565	585	596	603	607	608	607	605	609	612	615	618	619	620
125	713	710	707	706	705	706	708	711	716	721	726	732	736	739	741	743	743	743	742
130	817	806	799	793	790	789	791	799	809	820	831	842	852	855	857	857	856	854	852
135	875	880	886	892	898	904	910	918	926	933	939	945	950	952	953	953	952	951	949
140	986	994	1001	1007	1013	1018	1023	1026	1029	1031	1033	1034	1035	1035	1035	1035	1035	1034	1033
145	1095	1096	1097	1097	1098	1099	1100	1102	1103	1104	1106	1107	1108	1108	1108	1108	1108	1107	1106
150	1163	1163	1163	1164	1164	1164	1165	1166	1166	1167	1168	1169	1169	1169	1169	1169	1168	1167	1167
155	1217	1217	1217	1217	1217	1217	1217	1218	1218	1219	1219	1219	1220	1220	1220	1220	1220	1220	1219
160	1259	1259	1259	1258	1258	1258	1258	1259	1259	1260	1260	1261	1261	1261	1261	1261	1260	1260	1259
165	1293	1292	1292	1292	1291	1291	1291	1292	1292	1292	1293	1293	1293	1293	1293	1292	1292	1291	1291
170	1317	1317	1316	1316	1316	1316	1316	1316	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315
175	1333	1332	1331	1330	1330	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1329	1328	1328
180	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-31

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity:65.0%  
 Test Distance:11.700m [K=0.8547]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1190*160*30					SERIAL No.:				
MFR.: A456160105-01									SUR.:1.168*0.06					Shielding Angle:				

Table--2

UNIT: cd

C(DEC) γ (DEC)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	6414	6413	6412	6411	6410	6409	6408	6407	6407	6407	6407	6408	6412	6415	6419	6422	6426	6429	6429
5	6260	6257	6255	6254	6256	6258	6263	6270	6278	6288	6299	6312	6329	6346	6364	6383	6402	6420	6436
10	6126	6122	6122	6125	6131	6141	6156	6174	6195	6219	6244	6272	6301	6332	6364	6395	6427	6457	6484
15	5681	5668	5659	5655	5656	5661	5674	5691	5712	5738	5766	5798	5834	5872	5912	5953	5994	6034	6071
20	4784	4763	4745	4732	4723	4720	4729	4743	4762	4784	4810	4838	4867	4898	4929	4962	4995	5029	5059
25	3162	3123	3087	3055	3028	3006	3000	2999	3005	3015	3030	3049	3069	3093	3119	3150	3183	3220	3260
30	1464	1442	1421	1401	1382	1365	1353	1342	1334	1327	1322	1318	1313	1309	1308	1308	1312	1319	1331
35	650	642	633	623	614	605	598	591	585	578	571	564	555	546	537	528	519	510	501
40	166	165	164	163	162	160	157	154	150	146	141	135	127	119	110	102	94.7	88.2	86.0
45	11.8	13.0	14.5	16.1	17.6	18.9	18.3	17.4	16.2	14.7	13.2	11.5	10.00	8.51	7.12	5.88	4.84	4.06	4.29
50	0.57	0.64	0.75	0.87	1.01	1.13	1.14	1.13	1.11	1.09	1.05	1.02	1.01	1.01	1.00	1.00	1.01	1.02	1.04
55	0.28	0.30	0.34	0.38	0.43	0.48	0.53	0.59	0.64	0.69	0.74	0.79	0.83	0.87	0.91	0.94	0.96	0.97	0.97
60	0.24	0.25	0.27	0.30	0.33	0.38	0.45	0.53	0.61	0.70	0.80	0.89	1.00	1.11	1.20	1.28	1.34	1.38	1.34
65	0.21	0.22	0.24	0.27	0.32	0.39	0.53	0.68	0.85	1.03	1.21	1.39	1.59	1.77	1.93	2.07	2.17	2.23	2.16
70	0.18	0.18	0.20	0.25	0.32	0.44	0.71	1.02	1.34	1.67	1.99	2.30	2.49	2.65	2.78	2.87	2.92	2.94	2.91
75	0.24	0.32	0.43	0.56	0.73	0.93	1.26	1.62	1.99	2.36	2.70	3.02	3.21	3.35	3.46	3.52	3.55	3.54	3.50
80	0.38	0.60	0.86	1.15	1.46	1.78	2.11	2.45	2.78	3.11	3.41	3.69	3.91	4.10	4.25	4.37	4.44	4.46	4.38
85	0.44	0.74	1.09	1.47	1.88	2.31	2.79	3.26	3.73	4.18	4.59	4.97	5.20	5.38	5.50	5.58	5.61	5.59	5.54
90	0.49	0.71	0.94	1.18	1.42	1.66	1.82	1.97	2.10	2.21	2.29	2.36	2.39	2.40	2.40	2.38	2.36	2.33	2.32
95	21.4	18.6	15.1	11.4	7.70	4.23	3.32	2.85	2.74	2.89	3.22	3.65	3.64	3.64	3.64	3.65	3.65	3.65	3.59
100	90.4	76.0	59.0	40.6	22.3	5.22	1.08	0.00	0.00	0.13	2.17	4.67	4.68	4.69	4.72	4.74	4.76	4.77	4.71
105	195	184	169	152	133	113	92.6	72.6	53.2	35.0	18.7	4.84	0.30	0.00	0.00	0.00	2.14	5.08	2.65
110	354	356	354	347	335	316	268	215	160	105	54.0	8.41	0.00	0.00	0.00	0.00	6.99	0.00	
115	491	492	489	482	471	454	420	381	338	293	248	203	160	120	84.6	55.1	32.8	19.1	31.4
120	617	613	609	604	598	592	591	589	585	580	572	560	528	495	461	431	405	387	403
125	740	737	734	730	726	721	715	710	704	699	694	690	688	688	687	687	688	688	686
130	851	849	846	843	840	836	831	826	820	815	810	806	804	804	803	803	803	803	802
135	948	946	944	942	939	936	932	927	923	918	914	910	908	907	906	906	906	905	904
140	1032	1031	1029	1027	1025	1023	1019	1016	1012	1008	1005	1002	1000	998	997	996	995	995	994
145	1105	1104	1103	1101	1100	1098	1095	1093	1091	1088	1086	1083	1081	1080	1078	1077	1076	1075	1074
150	1166	1165	1165	1164	1163	1162	1160	1158	1156	1154	1152	1150	1149	1148	1147	1146	1145	1145	1144
155	1219	1218	1217	1216	1215	1213	1212	1210	1209	1208	1206	1205	1204	1204	1203	1203	1202	1202	1201
160	1258	1258	1257	1257	1256	1255	1255	1254	1253	1252	1251	1250	1249	1248	1248	1247	1247	1247	1246
165	1290	1290	1290	1289	1289	1289	1288	1287	1286	1286	1285	1284	1284	1284	1284	1284	1284	1283	1283
170	1314	1314	1314	1313	1313	1313	1312	1312	1312	1311	1311	1311	1311	1311	1311	1311	1311	1310	1310
175	1328	1329	1329	1329	1329	1329	1329	1329	1328	1328	1328	1328	1328	1328	1328	1328	1329	1329	1328
180	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1190*160*30					SERIAL No.:				
MFR.: A456160105-01									SUR.:1.168*0.06					Shielding Angle:				

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	6429	6429	6428	6427	6425	6423	6422	6420	6418	6416	6415	6415	6415	6415	6415	6415	6415	6414	6413
5	6451	6466	6480	6493	6506	6518	6530	6541	6550	6560	6568	6575	6582	6587	6592	6595	6598	6599	6600
10	6509	6533	6556	6578	6598	6617	6635	6651	6667	6680	6693	6703	6712	6721	6728	6734	6739	6745	6749
15	6106	6140	6174	6206	6236	6266	6294	6320	6345	6368	6389	6407	6422	6437	6450	6462	6474	6490	6505
20	5090	5121	5152	5184	5217	5256	5295	5334	5372	5409	5443	5468	5490	5510	5529	5546	5563	5586	5609
25	3303	3349	3397	3448	3501	3561	3622	3683	3743	3801	3856	3898	3936	3972	4004	4035	4064	4100	4135
30	1347	1366	1389	1416	1446	1483	1524	1566	1610	1654	1699	1739	1778	1816	1853	1888	1921	1955	1985
35	492	484	477	471	467	469	471	475	480	485	489	490	490	491	492	494	497	506	516
40	84.9	84.4	84.5	84.8	85.0	83.4	81.6	79.6	77.5	75.2	72.9	69.9	67.0	64.4	62.2	60.6	59.6	61.1	63.3
45	4.76	5.40	6.14	6.90	7.63	7.82	7.90	7.89	7.78	7.57	7.29	6.65	5.99	5.33	4.75	4.27	3.96	4.41	5.02
50	1.07	1.10	1.13	1.15	1.17	1.17	1.17	1.16	1.14	1.11	1.07	0.99	0.90	0.82	0.74	0.68	0.64	0.71	0.79
55	0.96	0.94	0.92	0.88	0.84	0.78	0.71	0.64	0.57	0.50	0.44	0.42	0.40	0.39	0.39	0.39	0.39	0.37	0.36
60	1.28	1.19	1.10	0.99	0.88	0.80	0.72	0.64	0.56	0.50	0.44	0.39	0.36	0.33	0.31	0.29	0.28	0.26	0.26
65	2.06	1.91	1.75	1.57	1.37	1.20	1.03	0.87	0.72	0.57	0.45	0.38	0.32	0.28	0.26	0.24	0.24	0.23	0.22
70	2.84	2.74	2.61	2.45	2.26	1.99	1.71	1.42	1.13	0.86	0.61	0.48	0.38	0.31	0.26	0.24	0.22	0.20	0.20
75	3.42	3.32	3.18	3.01	2.82	2.56	2.28	1.99	1.70	1.41	1.14	0.93	0.74	0.57	0.43	0.31	0.21	0.18	0.16
80	4.26	4.11	3.92	3.70	3.47	3.25	3.02	2.77	2.52	2.25	1.98	1.64	1.31	1.00	0.70	0.43	0.21	0.14	0.11
85	5.45	5.31	5.13	4.91	4.65	4.29	3.90	3.48	3.05	2.61	2.18	1.78	1.39	1.04	0.71	0.44	0.21	0.14	0.12
90	2.32	2.31	2.29	2.27	2.23	2.20	2.16	2.10	2.02	1.93	1.80	1.58	1.33	1.08	0.84	0.61	0.41	0.35	0.32
95	3.51	3.44	3.37	3.31	3.26	2.97	2.75	2.64	2.70	2.98	3.52	5.61	7.86	10.1	12.2	13.9	15.1	13.8	12.0
100	4.63	4.55	4.47	4.39	4.33	2.25	0.53	0.00	0.00	1.16	4.48	18.3	33.1	48.0	61.7	73.4	81.8	73.3	61.7
105	0.63	0.00	0.00	1.10	4.83	15.9	29.0	43.8	59.7	76.5	93.6	113	132	149	164	175	181	170	156
110	0.00	0.00	0.00	0.00	8.42	50.3	97.5	148	198	246	290	307	318	324	325	323	319	324	328
115	52.2	80.2	114	152	194	236	278	320	360	397	429	444	454	460	462	460	456	455	452
120	427	455	486	518	548	556	562	565	566	565	565	571	576	582	586	589	591	584	577
125	684	682	680	679	679	680	682	685	688	692	695	699	703	707	711	714	716	716	715
130	800	798	797	796	795	797	800	803	807	810	814	817	820	822	825	827	828	831	832
135	902	901	900	900	900	902	904	907	910	913	916	918	920	922	924	926	927	930	932
140	993	992	992	992	992	994	995	998	1000	1002	1005	1007	1008	1010	1012	1013	1014	1015	1016
145	1074	1074	1074	1074	1074	1075	1076	1078	1079	1080	1082	1084	1085	1087	1088	1089	1091	1091	1092
150	1144	1143	1143	1143	1143	1143	1144	1144	1145	1146	1147	1148	1150	1151	1152	1154	1155	1155	1156
155	1201	1200	1200	1199	1199	1199	1199	1200	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210
160	1245	1245	1245	1244	1244	1244	1245	1245	1246	1246	1247	1247	1248	1248	1249	1249	1250	1250	1251
165	1282	1281	1280	1280	1279	1279	1280	1280	1280	1281	1281	1282	1282	1283	1283	1284	1284	1285	1285
170	1309	1308	1307	1306	1306	1306	1306	1306	1306	1306	1307	1307	1307	1307	1308	1308	1308	1309	1309
175	1327	1327	1326	1325	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1325	1325	1325	1326	1326
180	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.77V I:0.2727A P:60.655W PF:0.9680 Freq:49.99Hz Lamp Flux:7804.09x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1190*160*30						SERIAL No.:		
MFR.: A456160105-01									SUR.:1.168*0.06						Shielding Angle:		

Table--4

UNIT: cd

C(DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (DEC)																			
0	6412	6411	6410	6409	6408	6407	6407	6407	6407	6408	6410	6413	6416	6420	6424				
5	6599	6597	6595	6591	6587	6583	6577	6571	6564	6557	6550	6542	6533	6524	6515				
10	6753	6756	6757	6758	6756	6753	6749	6743	6736	6727	6716	6703	6688	6672	6654				
15	6519	6532	6543	6552	6558	6561	6562	6560	6556	6550	6542	6531	6518	6503	6485				
20	5630	5650	5667	5681	5689	5693	5693	5691	5685	5675	5663	5648	5629	5607	5582				
25	4166	4194	4218	4236	4240	4239	4232	4222	4208	4191	4175	4156	4136	4113	4087				
30	2013	2037	2056	2069	2069	2062	2052	2039	2022	2004	1990	1975	1960	1943	1926				
35	527	538	548	557	558	558	558	558	558	560	566	574	583	594	606				
40	66.1	69.4	73.0	76.9	80.3	83.8	87.3	91.0	94.8	98.7	103	107	111	115	119				
45	5.76	6.57	7.42	8.25	8.88	9.43	9.88	10.2	10.4	10.5	10.2	9.84	9.27	8.52	7.59				
50	0.89	0.99	1.10	1.21	1.30	1.37	1.43	1.47	1.48	1.48	1.42	1.33	1.22	1.07	0.90				
55	0.35	0.35	0.34	0.34	0.36	0.38	0.40	0.42	0.44	0.46	0.46	0.45	0.44	0.43	0.40				
60	0.25	0.25	0.25	0.26	0.27	0.28	0.29	0.30	0.30	0.31	0.31	0.30	0.30	0.29	0.27				
65	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.25	0.24	0.24	0.23				
70	0.20	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.24	0.23				
75	0.16	0.17	0.20	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.25	0.25	0.25	0.24				
80	0.12	0.15	0.19	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25				
85	0.13	0.17	0.23	0.30	0.31	0.31	0.31	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.29				
90	0.32	0.34	0.37	0.41	0.42	0.42	0.43	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.45				
95	9.92	7.63	5.34	3.21	2.67	2.39	2.34	2.46	2.70	3.01	3.03	3.06	3.11	3.18	3.26				
100	47.9	33.0	18.2	4.37	1.04	0.00	0.00	0.36	2.06	4.13	4.15	4.19	4.25	4.32	4.42				
105	138	118	96.5	75.2	60.1	46.2	33.6	22.5	12.9	5.22	0.36	0.00	0.00	0.00	0.40				
110	327	323	313	296	252	203	152	100	52.2	9.26	0.00	0.00	0.00	0.00	0.00				
115	447	437	424	407	376	341	303	264	225	186	154	125	96.7	70.3	45.6				
120	569	560	553	546	554	561	568	573	575	573	557	535	507	474	434				
125	714	713	711	709	707	705	704	703	702	701	702	703	705	707	709				
130	833	833	832	828	817	805	793	781	771	764	764	768	776	786	800				
135	933	933	933	931	923	915	906	898	889	881	877	874	873	872	873				
140	1017	1018	1018	1018	1019	1019	1018	1018	1016	1014	1011	1008	1003	998	993				
145	1092	1092	1092	1093	1093	1093	1094	1094	1094	1095	1095	1095	1095	1095	1095				
150	1156	1156	1157	1157	1157	1158	1158	1159	1160	1160	1161	1161	1162	1162	1163				
155	1210	1211	1211	1211	1212	1212	1212	1213	1213	1213	1214	1214	1215	1216	1216				
160	1252	1252	1253	1254	1254	1255	1255	1256	1256	1257	1257	1258	1258	1258	1259				
165	1285	1286	1286	1286	1287	1288	1288	1289	1290	1290	1291	1291	1292	1292	1292				
170	1310	1310	1311	1312	1312	1313	1313	1314	1314	1315	1315	1316	1316	1316	1317				
175	1327	1327	1328	1328	1329	1329	1330	1330	1331	1331	1332	1332	1332	1332	1333				
180	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks: