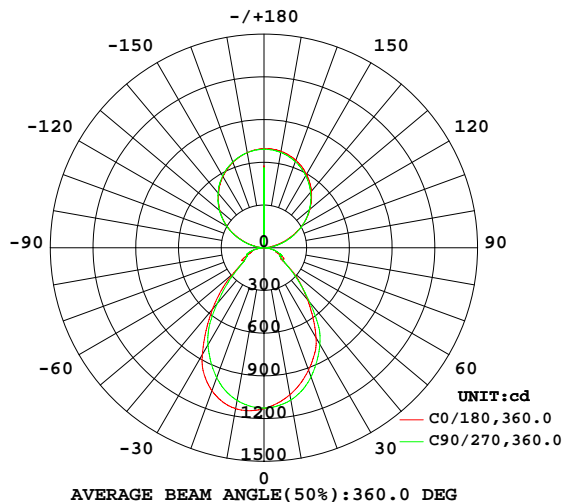


## LUMINAIRE PHOTOMETRIC TEST REPORT

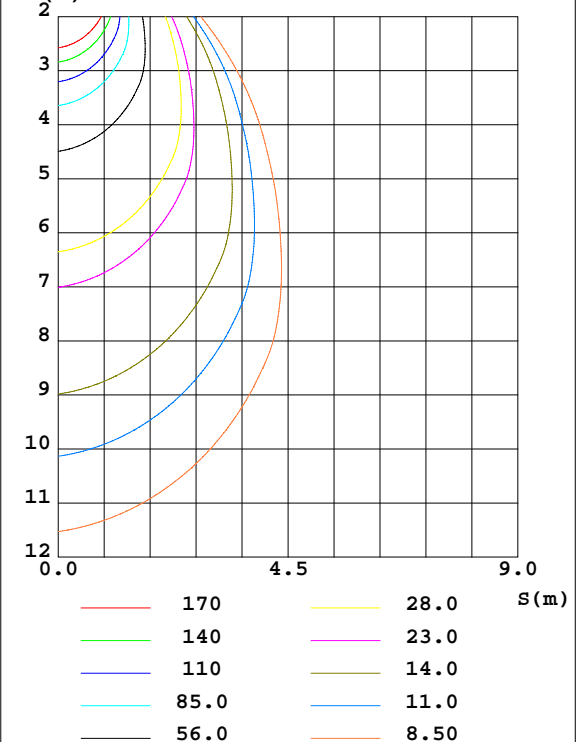
Test:U:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*265*30	SERIAL No.:
MFR.: A4762092-24	SUR.:0.556*0.161	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.16 lm/W			
MODEL		I <sub>max</sub> (cd)	1151	S/MH(C0/180)	1.02
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.07
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	3882.9	η UP,DN(C0-180)	25.4,24.7
NOMINAL FLUX(lm)	3882.92	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.0,25.0
LAMPS INSIDE	1	η up(%)	50.4	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	49.6	CIBSE SHR MAX	1.15

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:2022-05-07

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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

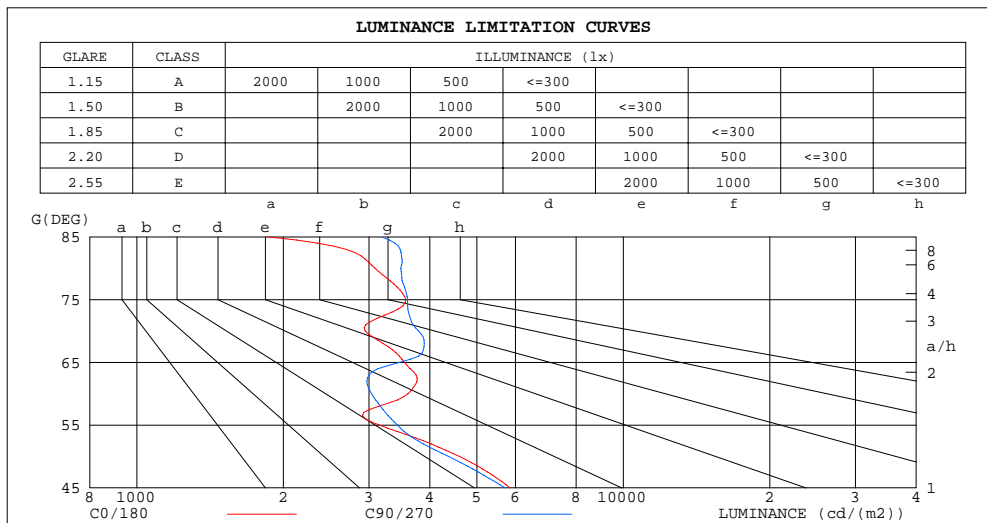
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1048	1056	1086	1121	1147	1127	1089	1056	0- 10	105.9	105.9	2.73,2.73
20	915.0	924.6	965.7	1019	1069	1029	971.0	925.0	10- 20	293.2	399.1	10.3,10.3
30	731.5	740.3	784.6	826.5	866.3	841.0	787.1	740.6	20- 30	408.8	807.8	20.8,20.8
40	476.7	508.0	498.1	550.0	562.2	566.0	510.2	504.0	30- 40	412.4	1220	31.4,31.4
50	264.2	306.0	250.9	326.7	287.2	331.8	259.0	294.1	40- 50	310.6	1531	39.4,39.4
60	161.2	149.9	135.6	146.9	179.9	160.1	148.3	143.8	50- 60	189.1	1720	44.3,44.3
70	89.99	69.02	115.8	66.91	100.0	74.92	126.4	64.38	60- 70	117.2	1837	47.3,47.3
80	47.87	39.56	54.10	48.84	51.37	43.69	56.30	40.36	70- 80	67.81	1905	49.1,49.1
90	0.5842	0.5799	0.5756	0.5262	0.8247	0.7823	0.8849	0.8553	80- 90	22.33	1927	49.6,49.6
100	56.49	67.45	79.78	72.08	63.37	66.67	73.33	62.05	90-100	27.40	1955	50.3,50.3
110	176.5	186.4	191.8	187.4	178.0	180.6	184.3	181.1	100-110	130.8	2085	53.7,53.7
120	308.3	308.7	309.8	304.4	299.3	297.4	301.0	304.8	110-120	241.6	2327	59.9,59.9
130	420.9	417.7	416.4	409.5	404.4	402.4	408.0	415.0	120-130	321.0	2648	68.2,68.2
140	518.1	512.8	509.6	501.8	496.9	495.0	501.8	511.8	130-140	355.0	3003	77.3,77.3
150	596.8	590.9	586.4	580.4	577.4	573.7	582.3	590.7	140-150	342.6	3346	86.2,86.2
160	654.3	647.6	644.2	639.7	638.4	633.8	641.3	648.9	150-160	284.1	3630	93.5,93.5
170	688.1	681.2	680.2	678.6	679.0	673.5	678.7	683.9	160-170	187.5	3817	98.3,98.3
180	696.2	696.2	696.2	696.2	696.2	696.2	696.2	696.2	170-180	65.52	3883	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:2022-05-07

$\gamma$  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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*265*30	SERIAL No.:
MFR.: A4762092-24	SUR.:0.556*0.161	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1854	3182
80	3087	3489
75	3569	3601
70	2946	3792
65	3548	3470
60	3610	3036
55	3151	3432
50	4602	4371
45	5851	5719

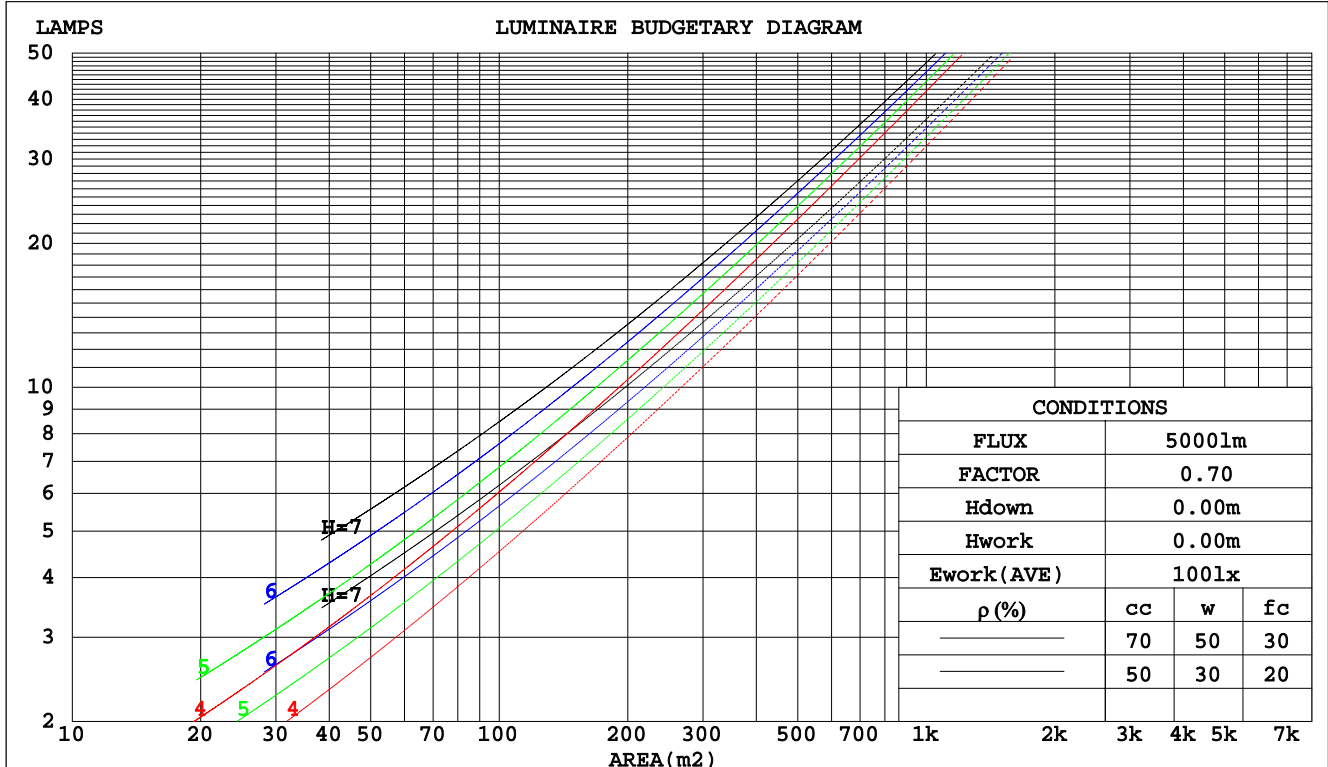
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

$\gamma$  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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*265*30	SERIAL No.:
MFR.: A4762092-24	SUR.:0.556*0.161	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			Coefficients of Utilization(CU)												
0.0	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.95	.91	.88	.88	.84	.82	.74	.72	.70	.62	.60	.59	.51	.50	.49	.44
2.0	.84	.78	.73	.78	.73	.69	.66	.63	.60	.56	.53	.51	.46	.44	.43	.38
3.0	.75	.68	.62	.69	.63	.59	.59	.55	.51	.50	.47	.44	.42	.39	.38	.34
4.0	.67	.59	.54	.62	.56	.51	.54	.49	.45	.45	.42	.39	.38	.35	.33	.30
5.0	.60	.53	.47	.56	.49	.44	.48	.43	.39	.41	.38	.35	.35	.32	.30	.27
6.0	.54	.47	.41	.51	.44	.39	.44	.39	.35	.38	.34	.31	.32	.29	.27	.24
7.0	.50	.42	.37	.46	.40	.35	.40	.35	.31	.35	.31	.28	.30	.27	.24	.22
8.0	.45	.38	.33	.42	.36	.31	.37	.32	.28	.32	.28	.25	.27	.24	.22	.20
9.0	.42	.34	.30	.39	.33	.28	.34	.29	.26	.30	.26	.23	.25	.22	.20	.18
10.0	.38	.31	.27	.36	.30	.26	.32	.27	.23	.28	.24	.21	.24	.21	.19	.17



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*265*30	SERIAL No.:
MFR.: A4762092-24	SUR.:0.556*0.161	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	.255	.145	.046	.233	.133	.042	.192	.110	.035	.154	.089	.028	.118	.069	.022	
2.0	.238	.131	.040	.218	.120	.037	.181	.101	.031	.146	.082	.026	.114	.064	.020	
3.0	.222	.118	.035	.204	.109	.033	.169	.092	.028	.137	.075	.023	.108	.060	.018	
4.0	.207	.107	.032	.190	.099	.029	.158	.084	.025	.129	.069	.021	.102	.055	.017	
5.0	.193	.098	.028	.177	.091	.027	.148	.077	.023	.121	.064	.019	.096	.051	.015	
6.0	.180	.090	.026	.166	.084	.024	.139	.071	.021	.114	.059	.017	.091	.048	.014	
7.0	.169	.084	.024	.156	.078	.022	.131	.066	.019	.108	.055	.016	.086	.045	.013	
8.0	.159	.078	.022	.147	.072	.020	.124	.062	.018	.102	.052	.015	.081	.042	.012	
9.0	.150	.073	.020	.139	.068	.019	.117	.058	.016	.097	.048	.014	.077	.039	.011	
10.0	.142	.068	.019	.131	.063	.018	.111	.054	.015	.092	.046	.013	.074	.037	.011	

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	.574	.574	.574	.491	.491	.491	.335	.335	.335	.192	.192	.192	.062	.062	.062	
1.0	.563	.544	.526	.482	.467	.452	.330	.321	.313	.190	.186	.182	.061	.060	.059	
2.0	.555	.522	.494	.475	.449	.427	.326	.311	.298	.188	.181	.175	.060	.058	.057	
3.0	.547	.506	.473	.469	.436	.410	.322	.303	.287	.186	.177	.169	.060	.057	.055	
4.0	.540	.493	.458	.463	.426	.398	.318	.297	.280	.184	.174	.166	.059	.057	.054	
5.0	.533	.484	.447	.458	.419	.389	.315	.292	.275	.183	.172	.163	.059	.056	.054	
6.0	.527	.476	.440	.453	.412	.383	.312	.289	.271	.181	.170	.161	.058	.056	.053	
7.0	.521	.470	.434	.448	.407	.378	.310	.286	.268	.180	.168	.160	.058	.055	.053	
8.0	.516	.465	.430	.444	.403	.375	.307	.283	.266	.179	.167	.158	.058	.055	.052	
9.0	.511	.460	.426	.440	.399	.372	.305	.281	.264	.178	.166	.157	.057	.054	.052	
10.0	.506	.456	.424	.436	.396	.370	.302	.279	.263	.176	.165	.157	.057	.054	.052	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 610*265*30			SERIAL No.:			
MFR.: A4762092-24					SUR.:0.556*0.161			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	13.4	14.3	14.3	15.1	16.2	13.2	14.0	14.0	14.9	15.9	
	3H	14.1	14.8	15.0	15.7	16.8	14.2	15.0	15.1	15.8	16.9
	4H	14.5	15.2	15.4	16.1	17.2	14.7	15.4	15.6	16.3	17.4
	6H	14.9	15.5	15.8	16.4	17.6	15.1	15.8	16.0	16.7	17.8
	8H	15.0	15.6	15.9	16.5	17.7	15.3	15.9	16.2	16.8	18.0
	12H	15.0	15.6	15.9	16.5	17.7	15.4	16.0	16.3	16.9	18.1
4H	2H	13.4	14.2	14.3	15.0	16.2	13.2	13.9	14.1	14.8	15.9
	3H	14.2	14.8	15.1	15.7	16.9	14.3	14.9	15.3	15.9	17.0
	4H	14.7	15.2	15.6	16.2	17.4	14.9	15.5	15.9	16.4	17.6
	6H	15.2	15.7	16.2	16.7	17.9	15.5	15.9	16.4	16.9	18.1
	8H	15.4	15.9	16.4	16.8	18.1	15.7	16.1	16.7	17.1	18.4
	12H	15.5	15.9	16.5	16.8	18.1	15.9	16.3	16.9	17.3	18.6
8H	4H	14.6	15.1	15.6	16.0	17.3	14.8	15.3	15.8	16.3	17.5
	6H	15.4	15.7	16.4	16.7	18.0	15.5	15.9	16.5	16.9	18.2
	8H	15.6	15.9	16.7	17.0	18.3	15.9	16.2	16.9	17.2	18.5
	12H	15.7	16.0	16.8	17.0	18.4	16.2	16.4	17.2	17.5	18.8
12H	4H	14.6	15.0	15.6	16.0	17.2	14.8	15.2	15.8	16.2	17.5
	6H	15.4	15.7	16.4	16.7	18.0	15.5	15.8	16.5	16.8	18.1
	8H	15.7	15.9	16.7	17.0	18.3	15.9	16.2	17.0	17.2	18.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.4 / - 0.5					
1.5H	+ 0.4 / - 0.5					+ 0.3 / - 0.5					
2.0H	+ 0.7 / - 0.7					+ 1.0 / - 0.8					

CIE Pub.117, 3883 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 4.7$ )

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

$\gamma$  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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*265*30	SERIAL No.:
MFR.: A4762092-24	SUR.:0.556*0.161	Shielding Angle:

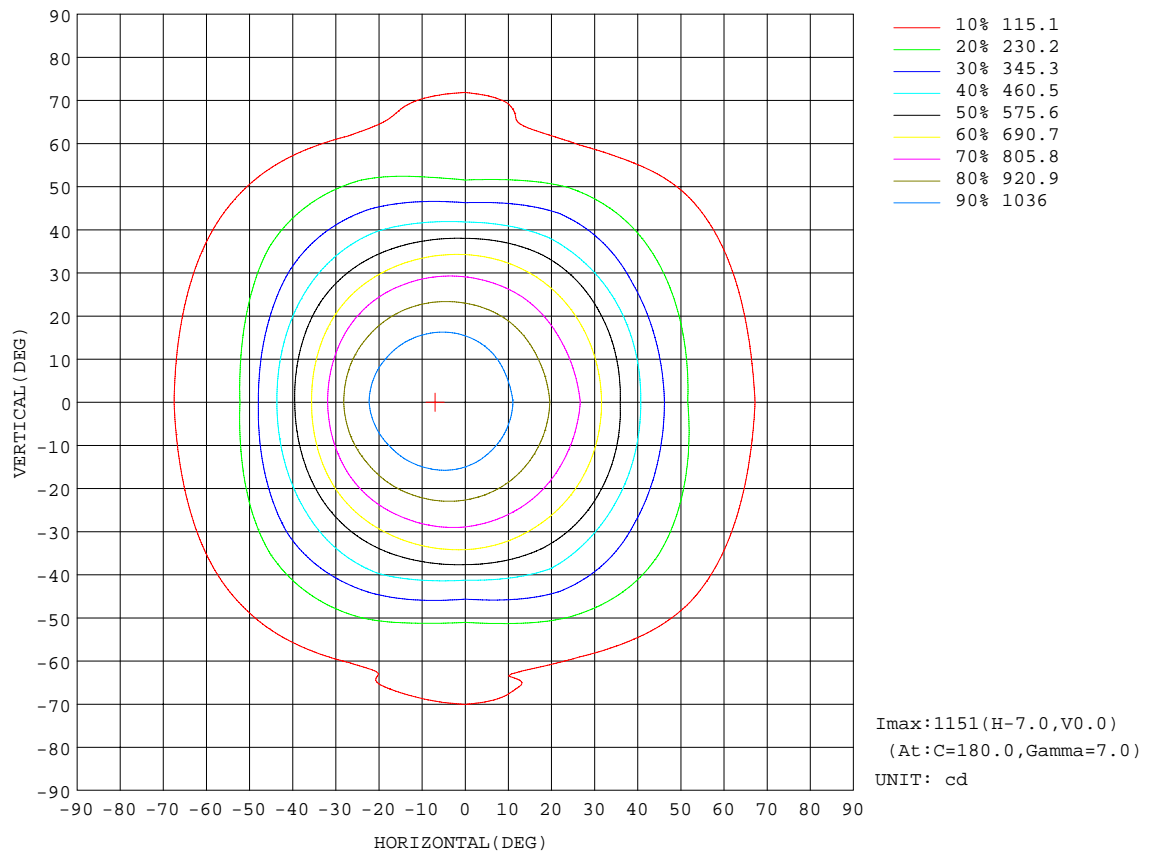
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	39	34	47	38	33	42	35	31	24
0.80	58	48	42	55	46	40	49	42	37	28
1.00	66	55	49	62	53	47	55	49	43	32
1.25	72	62	56	68	59	53	59	53	48	35
1.50	77	67	61	72	64	58	63	57	52	37
2.00	83	75	68	77	70	65	67	62	58	40
2.50	87	79	74	81	74	69	70	65	61	41
3.00	90	83	78	84	78	73	72	68	64	43
4.00	94	88	84	87	82	78	74	71	68	44
5.00	97	92	88	89	85	82	76	73	71	45
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:2022-05-07

$\gamma$  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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*265*30	SERIAL No.:
MFR.: A4762092-24	SUR.:0.556*0.161	Shielding Angle:



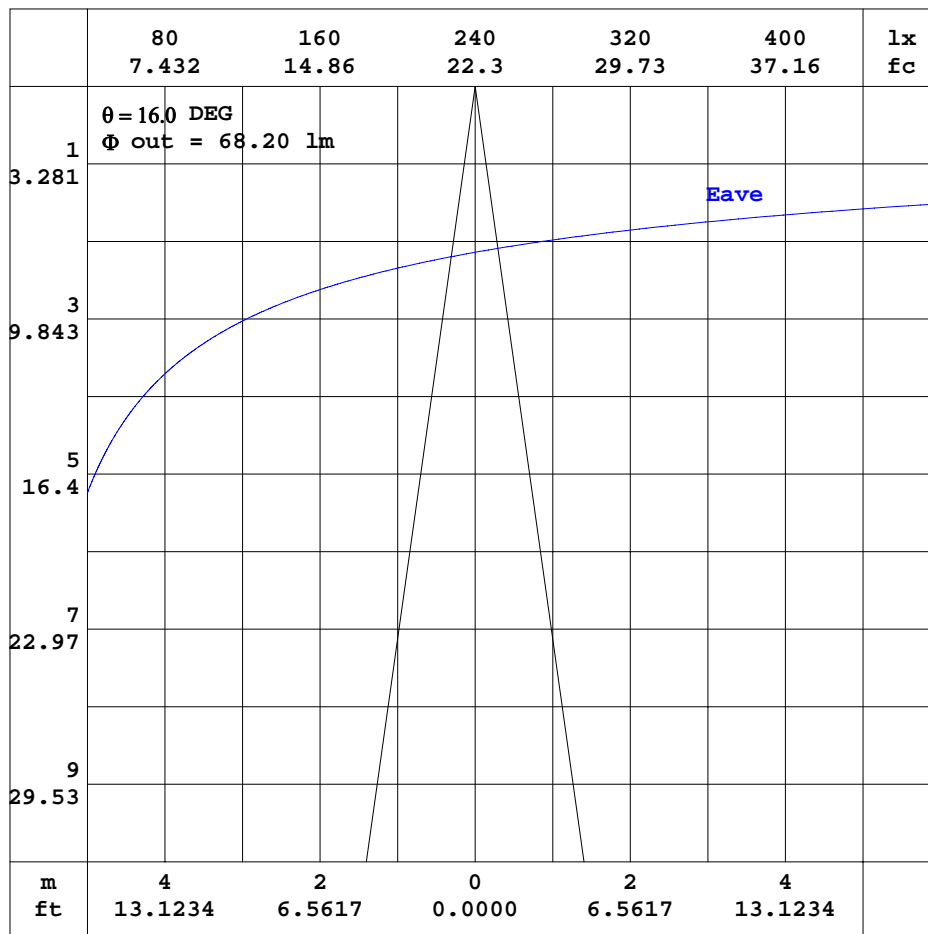
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

$\gamma$  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:



### AAI CURVES

Test:U:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*265*30	SERIAL No.:
MFR.: A4762092-24	SUR.:0.556*0.161	Shielding Angle:



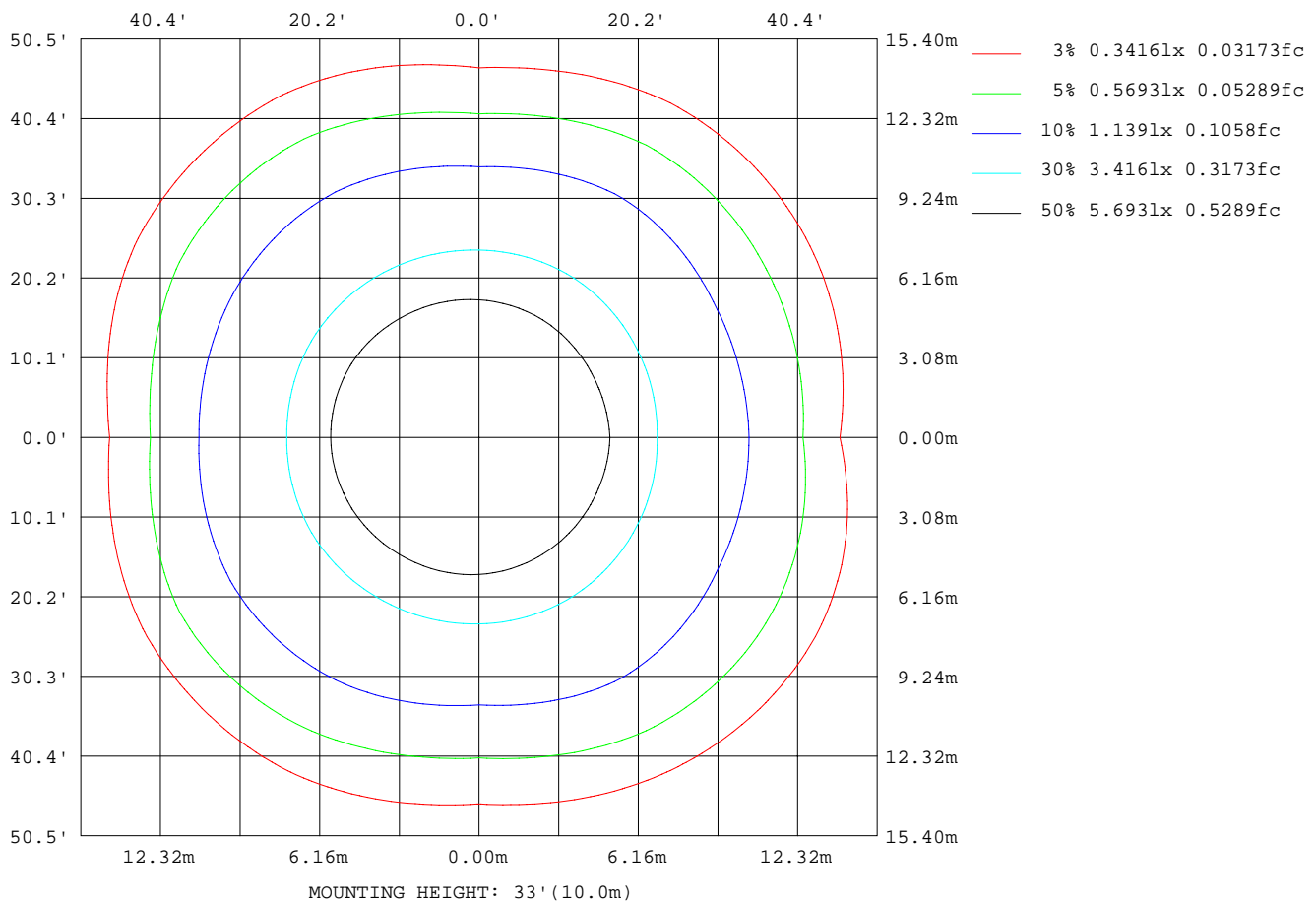
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-07

$\gamma$  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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*265*30	SERIAL No.:
MFR.: A4762092-24	SUR.:0.556*0.161	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

$\gamma$  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:

## LED Avg.L Report

Test:U:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*265*30	SERIAL No.:
MFR.: A4762092-24	SUR.:0.556*0.161	Shielding Angle:

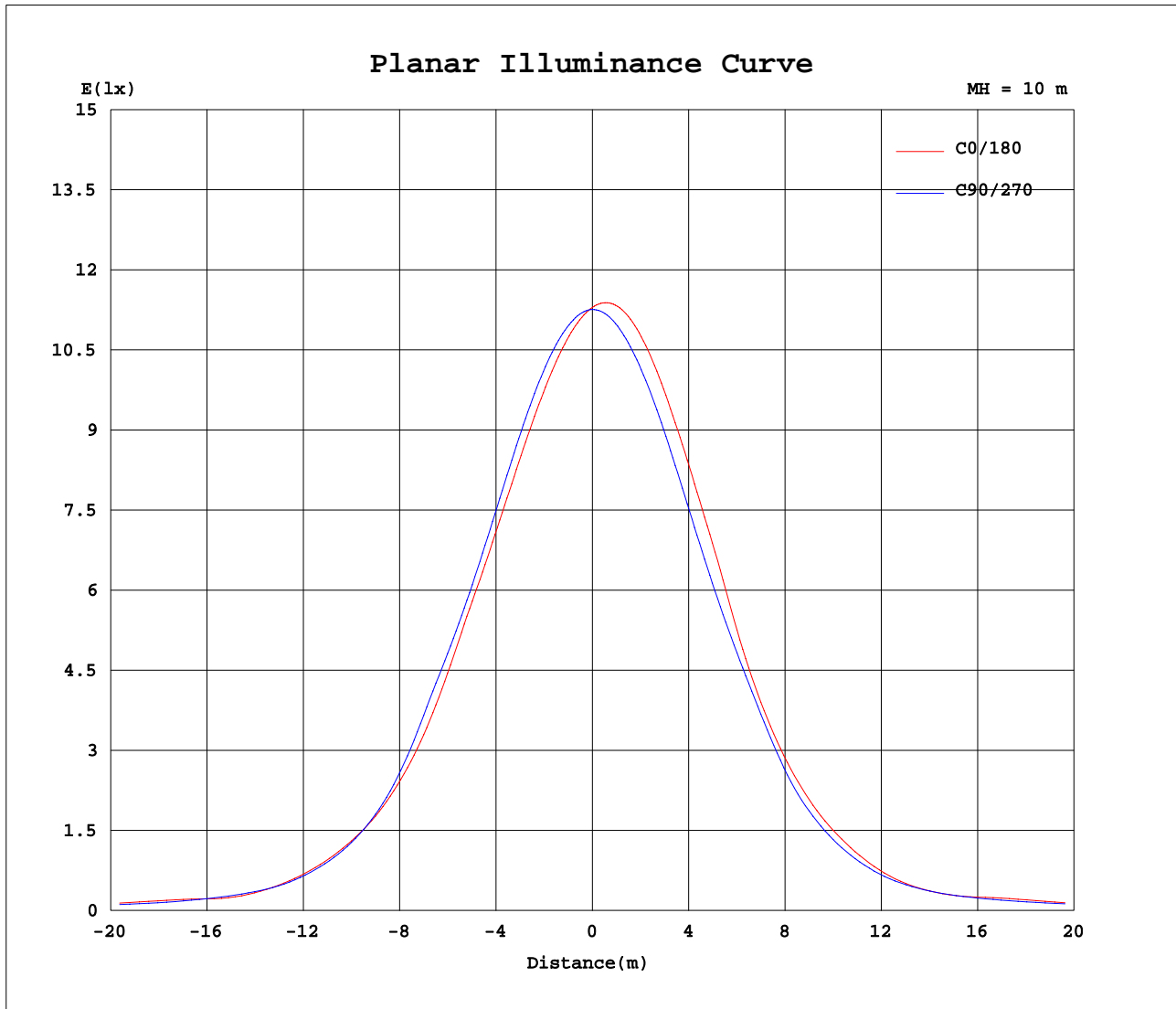
AvgL	cd/m2
L_0~180(65)av	3596
L_0~180(75)av	3607
L_0~180(85)av	1723
L_90~270(65)av	3451
L_90~270(75)av	3799
L_90~270(85)av	3513
L_45(65)av	2897
L_45(75)av	2178
L_45(85)av	2562

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

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: 2022-05-07

$\gamma$  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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 610*265*30						SERIAL No.:		
MFR.: A4762092-24									SUR.:0.556*0.161						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	1130	1130	1129	1129	1129	1129	1128	1128	1128	1127	1127	1127	1127	1127	1126	1126	1126	1126	1126
5	1096	1095	1095	1096	1096	1096	1097	1098	1098	1099	1101	1102	1103	1105	1107	1109	1111	1113	1115
10	1048	1048	1048	1048	1049	1050	1051	1052	1054	1056	1059	1061	1064	1067	1071	1074	1078	1082	1086
15	987	987	987	987	988	989	991	993	995	998	1001	1004	1008	1012	1016	1021	1026	1031	1036
20	915	914	914	914	914	915	917	919	922	925	928	932	936	940	945	950	955	960	966
25	833	831	830	829	829	829	830	832	835	838	842	846	851	855	860	864	869	874	880
30	732	731	730	730	731	732	733	735	737	740	744	747	751	757	762	768	773	779	785
35	599	603	607	610	614	618	622	626	630	634	638	642	646	649	653	656	659	663	666
40	477	479	481	484	487	490	493	498	503	508	512	516	518	515	511	507	503	500	498
45	369	367	366	366	368	370	373	381	389	397	405	411	415	406	397	386	376	367	361
50	264	273	280	287	293	297	301	304	305	306	305	304	300	292	282	272	263	256	251
55	161	177	191	203	212	220	225	226	226	224	221	217	212	205	198	191	184	179	176
60	161	161	161	161	160	159	158	155	153	150	147	144	142	140	138	137	136	136	136
65	134	130	127	124	120	117	114	109	105	101	98.2	96.2	95.5	101	107	113	120	126	131
70	90.0	83.8	78.6	74.3	71.0	68.6	67.2	66.9	67.5	69.0	71.4	74.5	78.4	85.4	92.7	99.9	106	112	116
75	82.5	75.0	68.4	62.6	57.8	53.7	50.6	48.2	46.7	46.1	46.4	47.7	49.8	55.6	61.9	68.2	74.2	79.3	83.2
80	47.9	47.7	47.3	46.9	46.3	45.6	44.7	42.9	41.2	39.6	38.2	37.3	36.9	39.2	42.1	45.1	48.3	51.4	54.1
85	14.4	13.9	13.6	13.4	13.5	13.7	14.1	14.9	15.9	17.0	18.1	19.2	20.4	21.3	22.2	23.0	23.7	24.3	24.8
90	0.58	0.58	0.59	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
95	11.5	11.9	12.4	13.0	13.8	14.7	15.7	17.0	18.4	19.9	21.4	23.0	24.6	26.3	27.9	29.4	30.7	31.7	32.5
100	56.5	56.8	57.4	58.1	59.0	60.1	61.5	63.3	65.4	67.4	69.6	71.6	73.6	75.1	76.5	77.6	78.6	79.3	79.8
105	113	114	114	115	116	117	118	121	123	125	127	130	132	132	133	134	134	134	134
110	177	177	177	178	179	180	181	183	185	186	188	190	191	192	192	192	192	192	192
115	242	243	243	244	244	245	246	247	248	249	250	251	251	251	251	251	251	251	251
120	308	308	308	308	308	308	308	308	308	309	309	309	309	310	310	310	310	310	310
125	366	366	366	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365
130	421	420	420	419	419	419	418	418	418	418	418	417	417	417	417	417	417	417	416
135	471	471	470	470	469	468	468	468	467	467	467	466	466	466	466	466	465	465	465
140	518	517	516	516	515	514	514	513	513	513	512	512	512	512	511	511	511	510	510
145	560	559	558	557	556	555	555	555	555	555	555	554	554	554	553	552	552	551	550
150	597	596	595	594	593	592	591	591	591	591	591	591	591	591	590	589	589	588	586
155	629	627	626	625	624	623	623	622	622	622	622	622	622	622	621	621	620	619	618
160	654	653	652	651	650	649	648	648	648	648	648	647	647	647	646	646	645	645	644
165	674	673	672	670	669	669	668	668	668	667	667	667	667	667	667	666	666	666	665
170	688	687	685	684	683	682	682	681	681	681	681	681	681	681	681	681	681	680	680
175	695	694	692	691	690	690	689	689	689	689	689	689	689	689	689	689	689	689	689
180	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 610*265*30					SERIAL No.:				
MFR.: A4762092-24									SUR.:0.556*0.161					Shielding Angle:				

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1126	1126	1126	1126	1125	1125	1125	1125	1125	1124	1124	1125	1125	1126	1127	1128	1129	1130	1130
5	1117	1119	1121	1123	1126	1128	1130	1131	1133	1135	1137	1139	1141	1143	1145	1146	1148	1149	1149
10	1090	1094	1098	1102	1106	1110	1113	1117	1121	1124	1128	1131	1135	1138	1141	1144	1146	1147	1147
15	1041	1046	1052	1057	1062	1068	1073	1079	1084	1089	1094	1099	1104	1109	1113	1116	1119	1121	1121
20	971	977	982	988	994	1000	1006	1013	1019	1026	1032	1038	1045	1051	1057	1062	1066	1069	1068
25	885	890	895	901	907	912	919	926	933	940	946	953	961	969	976	982	986	990	989
30	789	793	796	800	804	808	814	820	827	833	839	844	849	854	858	861	864	866	867
35	669	673	676	679	683	686	691	695	698	702	705	708	709	710	710	710	710	709	711
40	503	510	517	525	533	540	544	547	550	552	554	555	557	558	559	560	561	562	565
45	369	380	392	406	419	431	436	439	440	441	440	439	437	435	432	430	427	425	426
50	256	264	273	283	294	305	313	321	327	331	334	335	328	320	311	302	294	287	292
55	180	185	192	199	207	214	219	223	225	227	228	227	219	210	201	193	186	181	187
60	137	139	142	144	146	148	148	147	147	147	147	148	153	159	165	171	176	180	179
65	129	126	122	117	113	109	108	109	110	112	114	116	120	124	128	132	135	138	137
70	113	108	103	96.3	89.4	82.4	76.6	71.4	66.9	63.5	61.2	60.5	66.4	73.4	80.9	88.3	94.8	100	96.2
75	80.7	76.8	72.0	66.7	61.1	55.7	52.3	49.6	47.7	46.6	46.6	47.7	53.5	60.1	67.0	73.6	79.6	84.3	82.0
80	54.7	54.9	54.6	54.1	53.2	52.2	51.1	50.0	48.8	47.8	46.9	46.3	46.9	47.8	48.7	49.7	50.6	51.4	51.0
85	25.0	25.1	25.1	24.9	24.6	24.1	23.3	22.4	21.4	20.4	19.2	18.1	16.9	15.7	14.6	13.6	12.9	12.4	12.7
90	0.58	0.57	0.57	0.57	0.57	0.57	0.55	0.54	0.53	0.52	0.52	0.52	0.57	0.62	0.68	0.73	0.78	0.82	0.83
95	32.4	31.9	31.3	30.4	29.3	28.2	27.0	25.9	24.7	23.6	22.5	21.4	20.7	20.0	19.5	19.1	18.7	18.5	18.3
100	79.8	79.6	79.2	78.6	77.7	76.7	75.3	73.7	72.1	70.4	68.8	67.3	66.3	65.5	64.7	64.1	63.7	63.4	63.2
105	134	134	134	134	134	133	132	130	128	127	125	123	122	121	120	119	119	118	118
110	192	192	192	192	192	191	190	189	187	186	184	183	182	181	180	179	179	178	178
115	251	251	250	250	250	250	249	248	247	246	245	244	243	242	241	241	240	239	239
120	309	309	308	307	307	306	306	305	304	304	303	303	302	302	301	300	300	299	299
125	364	363	362	362	361	360	359	359	358	358	357	357	356	356	355	354	354	353	352
130	416	415	414	413	412	411	411	410	410	409	409	408	408	407	406	406	405	404	404
135	464	463	462	461	460	459	458	458	457	457	456	456	455	455	454	454	453	452	451
140	509	508	506	505	504	503	503	502	502	501	501	501	500	499	499	498	498	497	496
145	549	549	548	548	547	546	545	544	544	543	542	541	541	541	541	541	541	540	540
150	586	585	585	584	583	583	582	581	580	580	579	578	578	578	578	578	578	577	577
155	617	617	616	616	615	615	614	613	613	612	611	611	611	611	611	611	611	610	609
160	644	643	643	642	642	641	641	640	640	639	639	638	638	638	639	639	639	638	638
165	665	664	664	664	663	663	663	662	662	662	661	661	661	661	661	662	662	661	660
170	680	680	680	679	679	679	679	679	679	678	678	678	678	679	679	679	679	679	678
175	689	689	689	689	689	689	689	689	689	689	689	689	690	690	690	691	691	691	690
180	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 610*265*30					SERIAL No.:				
MFR.: A4762092-24									SUR.:0.556*0.161					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	1130	1129	1129	1129	1128	1128	1128	1127	1127	1127	1127	1127	1126	1126	1126	1126	1126	1126	1126
5	1148	1147	1146	1145	1143	1141	1140	1138	1136	1133	1131	1129	1127	1124	1122	1119	1117	1115	1112
10	1146	1145	1142	1140	1137	1134	1130	1127	1123	1119	1114	1110	1106	1101	1097	1093	1089	1085	1081
15	1119	1117	1114	1110	1106	1101	1096	1091	1086	1080	1074	1069	1063	1057	1052	1046	1041	1035	1030
20	1065	1062	1058	1053	1047	1041	1035	1029	1023	1016	1009	1003	996	990	983	977	971	965	960
25	986	982	977	971	965	958	952	945	938	930	923	916	910	903	896	890	884	879	873
30	867	867	865	863	859	854	848	841	834	827	820	814	808	803	797	792	787	782	776
35	712	712	713	713	713	710	707	704	700	696	692	688	684	680	676	673	669	666	663
40	568	571	574	575	576	574	570	566	561	555	549	542	535	528	521	515	510	510	510
45	427	428	430	431	433	435	437	438	438	437	434	424	414	403	393	383	376	379	385
50	298	306	314	322	330	332	333	332	330	326	321	310	298	287	276	266	259	263	269
55	196	206	216	227	236	240	243	244	243	241	237	227	217	207	197	188	181	183	188
60	177	174	171	167	164	162	161	160	159	158	158	156	154	153	151	150	148	147	147
65	136	134	132	129	127	124	122	120	118	116	116	118	121	124	126	128	130	125	120
70	90.9	84.9	78.6	72.6	67.6	68.8	71.3	74.9	79.5	84.8	90.7	98.3	106	113	119	124	126	122	115
75	78.4	74.0	69.1	64.3	59.8	58.8	58.6	59.2	60.5	62.5	65.1	70.3	75.8	81.1	85.9	89.8	92.4	89.1	84.6
80	50.4	49.7	48.8	47.9	46.9	45.7	44.6	43.7	43.0	42.7	42.8	44.9	47.4	50.0	52.5	54.6	56.3	55.3	53.8
85	13.2	14.0	14.9	16.0	17.2	18.3	19.5	20.7	21.9	23.1	24.3	25.6	26.8	27.8	28.8	29.5	29.9	29.7	29.1
90	0.82	0.80	0.79	0.77	0.76	0.76	0.77	0.78	0.80	0.81	0.82	0.84	0.85	0.86	0.87	0.88	0.88	0.88	0.88
95	18.2	18.2	18.3	18.5	18.8	19.3	20.0	20.6	21.4	22.2	23.0	24.0	25.0	25.9	26.7	27.2	27.4	26.5	25.3
100	63.1	63.2	63.4	63.7	64.1	64.9	65.7	66.7	67.6	68.6	69.6	70.6	71.5	72.2	72.8	73.2	73.3	72.6	71.6
105	118	118	118	118	119	120	121	122	123	124	125	126	126	127	127	127	127	127	126
110	178	178	178	178	178	179	180	181	181	182	183	183	184	184	184	184	184	184	184
115	239	239	239	239	239	239	240	240	240	241	241	241	242	242	242	243	243	243	243
120	298	297	297	296	296	297	297	297	298	299	299	299	300	300	300	301	301	301	302
125	352	351	351	350	350	350	351	351	352	353	353	354	354	355	355	355	356	357	357
130	403	402	402	401	401	401	402	402	403	404	405	405	406	406	407	407	408	409	410
135	451	450	449	449	449	449	450	450	451	452	453	454	454	455	455	456	457	458	459
140	495	494	494	493	493	493	494	495	496	497	498	499	499	500	500	501	502	503	504
145	539	538	537	537	536	536	536	537	537	538	539	540	541	542	543	544	546	546	547
150	576	575	574	573	573	573	573	574	574	575	576	577	578	579	580	581	582	583	584
155	609	608	607	606	605	605	606	606	607	608	608	609	610	611	612	613	614	615	616
160	637	636	635	634	633	633	633	634	634	635	636	637	638	638	639	640	641	642	643
165	659	658	657	656	656	656	656	656	657	658	658	659	660	661	661	662	663	664	664
170	677	676	675	674	673	673	673	674	674	674	675	676	676	677	677	678	679	679	680
175	689	688	686	685	685	684	685	685	685	686	686	687	687	687	688	688	688	689	689
180	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

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:229.80V I:0.1831A P:40.806W PF:0.9697 Freq:49.99Hz Lamp Flux:3882.92x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 610*265*30						SERIAL No.:		
MFR.: A4762092-24									SUR.:0.556*0.161						Shielding Angle:		

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1126	1126	1125	1125	1125	1125	1125	1124	1124	1125	1125	1126	1126	1127	1128				
5	1110	1108	1106	1104	1102	1100	1098	1097	1095	1094	1094	1094	1094	1094	1095				
10	1077	1073	1069	1066	1063	1059	1056	1053	1051	1049	1048	1047	1046	1046	1047				
15	1025	1020	1016	1011	1007	1002	998	994	991	989	987	986	985	985	986				
20	954	949	944	939	934	929	925	921	918	915	913	912	912	912	913				
25	868	864	859	854	849	844	839	835	831	828	827	826	827	828	830				
30	771	766	761	756	750	745	741	736	733	730	728	727	727	728	729				
35	660	657	653	650	646	641	636	631	626	622	618	614	610	606	603				
40	511	512	513	513	511	508	504	500	496	492	489	487	484	481	479				
45	391	398	404	409	404	397	389	381	373	366	364	362	362	363	366				
50	276	284	292	299	298	297	294	291	287	282	279	276	273	270	267				
55	194	200	207	213	215	215	215	213	210	207	202	196	189	181	172				
60	146	146	145	145	144	144	144	144	144	145	147	149	151	154	157				
65	114	109	104	100.0	101	103	107	110	115	119	122	124	127	129	132				
70	107	98.2	89.1	80.2	74.1	68.8	64.4	61.1	59.0	58.3	59.8	62.9	67.4	73.5	81.0				
75	79.1	73.0	66.6	60.4	55.7	51.6	48.3	46.0	44.9	45.0	47.6	51.6	57.1	64.1	72.6				
80	51.9	49.7	47.3	44.9	43.2	41.7	40.4	39.3	38.7	38.4	38.9	39.8	41.1	42.9	45.2				
85	28.4	27.4	26.3	25.1	23.7	22.2	20.7	19.3	17.9	16.7	15.9	15.3	14.8	14.5	14.4				
90	0.88	0.87	0.87	0.86	0.86	0.86	0.86	0.85	0.84	0.82	0.80	0.77	0.73	0.69	0.64				
95	23.9	22.4	20.8	19.1	17.9	16.7	15.6	14.6	13.7	13.0	12.4	12.0	11.6	11.5	11.4				
100	70.5	69.1	67.7	66.2	64.8	63.4	62.1	60.8	59.6	58.6	57.8	57.3	56.8	56.6	56.5				
105	126	125	124	123	122	121	119	118	117	116	115	114	114	113	113				
110	184	184	184	184	183	182	181	180	179	179	178	178	177	177	177				
115	244	244	244	244	244	244	244	244	244	244	244	243	243	243	242				
120	303	303	304	304	304	305	305	305	305	305	306	306	307	307	308				
125	358	359	360	360	361	361	361	362	362	362	363	364	364	365	366				
130	411	412	413	414	414	415	415	415	416	416	417	418	418	419	420				
135	460	461	462	463	464	464	465	465	466	467	467	468	469	470	470				
140	505	507	508	509	510	511	512	513	513	514	515	516	516	517	517				
145	548	549	550	551	552	553	554	555	556	557	558	558	559	559	560				
150	585	586	587	588	589	590	591	592	593	594	594	595	596	596	597				
155	617	618	619	620	621	622	623	624	625	625	626	627	627	628	628				
160	644	645	645	646	647	648	649	650	651	651	652	653	653	654	654				
165	665	666	666	667	668	669	669	670	671	672	672	673	673	674	674				
170	680	681	681	682	683	683	684	685	685	686	686	687	687	687	688				
175	690	690	690	691	691	692	692	693	693	693	694	694	694	695	695				
180	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-07

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: