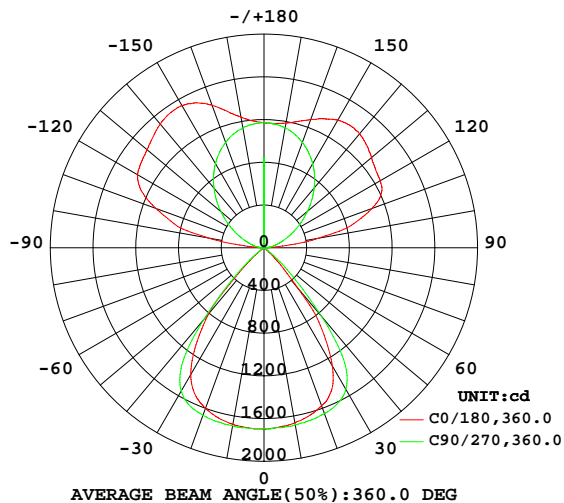


## LUMINAIRE PHOTOMETRIC TEST REPORT

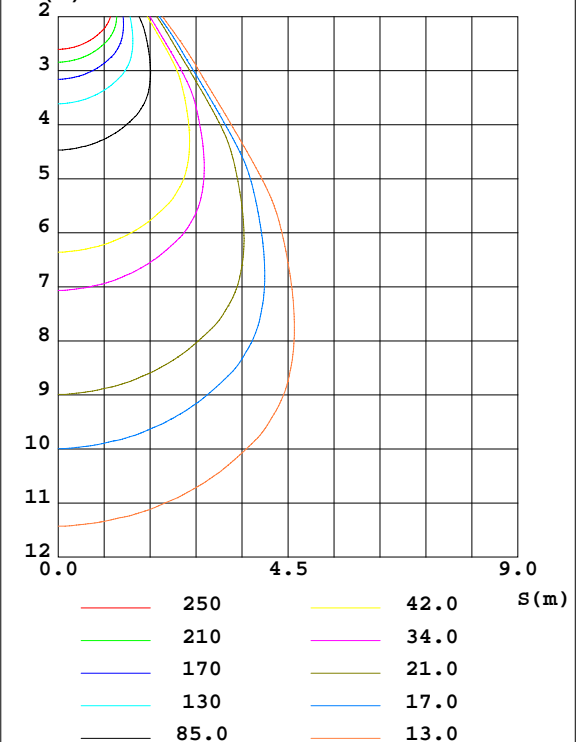
Test:U:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.11 lm/W			
MODEL		Imax(cd)	1702	S/MH(C0/180)	1.13
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7748.7	$\eta$ UP,DN(C0-180)	33.0,16.8
NOMINAL FLUX(lm)	7748.71	CIE CLASS	SEMI-IND.	$\eta$ UP,DN(C180-360)	33.1,17.0
LAMPS INSIDE	1	$\eta$ up(%)	66.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	$\eta$ down(%)	33.9	CIBSE SHR MAX	1.30

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:2025-09-29

$\gamma$  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:

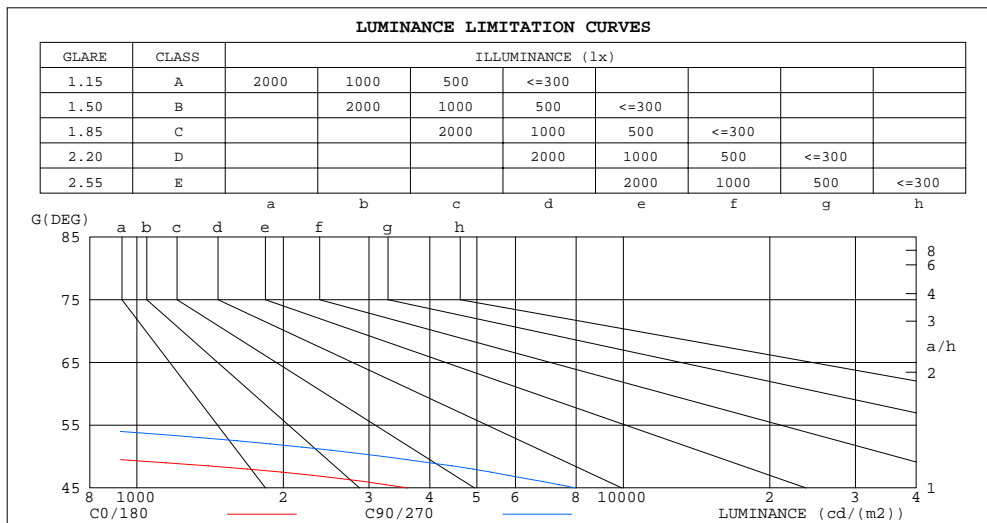
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	1664	1670	1684	1687	1679	1693	1693	1679	0- 10	161.2	161.2	2.08,2.08
20	1576	1626	1653	1653	1600	1659	1669	1648	10- 20	470.4	631.6	8.15,8.15
30	1281	1547	1532	1599	1372	1604	1549	1577	20- 30	733.3	1365	17.6,17.6
40	498.7	1009	838.3	1134	808.7	1189	878.1	994.9	30- 40	796.6	2161	27.9,27.9
50	32.76	253.2	141.7	417.2	106.1	449.9	152.9	232.7	40- 50	395.2	2557	33,33
60	2.320	17.13	2.464	40.46	3.623	47.57	2.883	15.95	50- 60	62.85	2619	33.8,33.8
70	1.624	1.083	1.127	1.298	1.555	1.065	1.072	0.9875	60- 70	3.377	2623	33.8,33.8
80	1.117	0.9955	0.5331	0.8248	1.685	0.5258	0.6358	0.5326	70- 80	1.093	2624	33.9,33.9
90	0.5498	1.186	0.6615	2.732	3.093	1.383	0.7646	0.7302	80- 90	1.228	2625	33.9,33.9
100	513.7	591.1	76.49	618.9	522.9	613.4	74.75	583.1	90-100	210.8	2836	36.6,36.6
110	1073	808.1	185.3	888.3	1075	898.0	180.0	806.8	100-110	621.0	3457	44.6,44.6
120	1257	984.8	340.6	1078	1367	1088	334.0	987.0	110-120	815.7	4273	55.1,55.1
130	1315	1116	532.8	1230	1430	1239	527.7	1113	120-130	872.8	5146	66.4,66.4
140	1392	1171	731.2	1306	1510	1316	729.5	1165	130-140	851.9	5997	77.4,77.4
150	1380	1172	912.0	1295	1538	1299	909.4	1169	140-150	744.0	6741	87,87
160	1277	1163	1051	1235	1420	1238	1051	1161	150-160	558.4	7300	94.2,94.2
170	1187	1160	1142	1193	1244	1194	1140	1160	160-170	336.9	7637	98.6,98.6
180	1170	1170	1170	1170	1170	1170	1170	1170	170-180	112.1	7749	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:2025-09-29

$\gamma$  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:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	146	79
80	94	45
75	87	43
70	69	48
65	64	53
60	67	72
55	134	611
50	741	3204
45	3605	7970

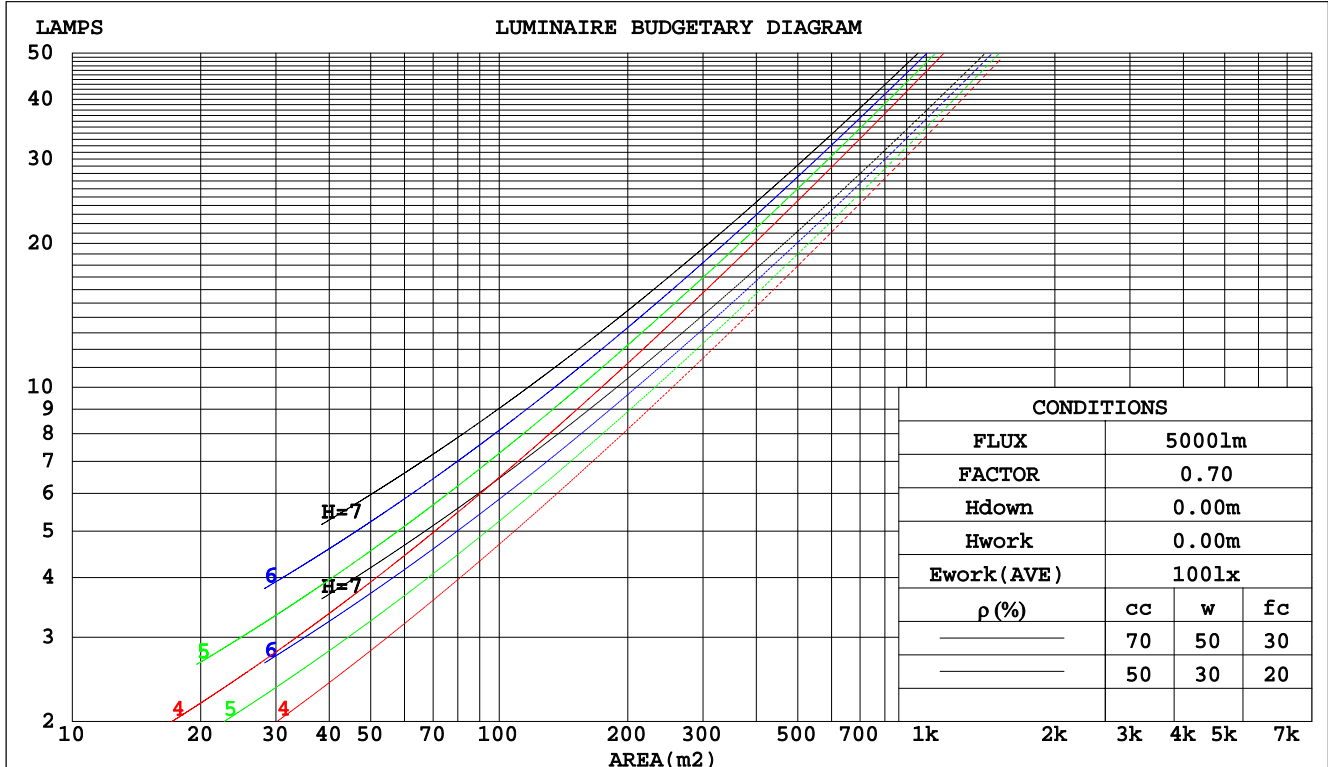
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

$\gamma$  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:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.03	1.03	1.03	.93	.93	.93	.74	.74	.74	.57	.57	.57	.41	.41	.41	.34
1.0	.92	.89	.86	.83	.80	.78	.67	.65	.64	.52	.51	.50	.39	.38	.37	.31
2.0	.82	.77	.72	.74	.70	.66	.60	.57	.55	.48	.46	.44	.36	.35	.34	.28
3.0	.73	.67	.62	.67	.61	.57	.55	.51	.48	.43	.41	.39	.33	.32	.30	.26
4.0	.66	.59	.54	.60	.54	.50	.49	.45	.42	.40	.37	.35	.30	.29	.27	.24
5.0	.59	.52	.47	.54	.48	.44	.45	.41	.37	.36	.33	.31	.28	.26	.25	.21
6.0	.54	.46	.41	.49	.43	.39	.41	.36	.33	.33	.30	.28	.26	.24	.23	.20
7.0	.49	.42	.37	.45	.39	.34	.38	.33	.30	.31	.27	.25	.24	.22	.21	.18
8.0	.44	.38	.33	.41	.35	.31	.34	.30	.27	.28	.25	.23	.22	.20	.19	.16
9.0	.41	.34	.29	.38	.32	.28	.32	.27	.24	.26	.23	.21	.21	.19	.17	.15
10.0	.38	.31	.27	.35	.29	.25	.29	.25	.22	.24	.21	.19	.20	.17	.16	.14



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

$\gamma$  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:

## WEC AND CCEC

Test:U:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1650*48*76			SERIAL No.:		
MFR.:			SUR.:1.64*0.042			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	.237	.135	.043	.210	.120	.038	.160	.092	.029	.114	.065	.021	.071	.041	.013	
2.0	.221	.121	.037	.197	.108	.033	.151	.084	.026	.109	.061	.019	.070	.040	.012	
3.0	.207	.110	.033	.185	.099	.030	.143	.077	.023	.104	.057	.017	.068	.038	.012	
4.0	.194	.101	.030	.173	.091	.027	.135	.071	.021	.099	.053	.016	.065	.036	.011	
5.0	.182	.092	.027	.163	.084	.024	.127	.066	.019	.094	.050	.015	.063	.034	.010	
6.0	.171	.085	.024	.153	.077	.022	.120	.062	.018	.089	.046	.014	.060	.032	.009	
7.0	.161	.079	.023	.144	.072	.021	.114	.057	.017	.085	.044	.013	.058	.030	.009	
8.0	.152	.074	.021	.136	.067	.019	.108	.054	.015	.081	.041	.012	.056	.029	.008	
9.0	.143	.069	.019	.129	.063	.018	.102	.051	.014	.077	.039	.011	.053	.027	.008	
10.0	.136	.065	.018	.123	.059	.017	.097	.048	.013	.074	.037	.010	.051	.026	.007	

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	.694	.694	.694	.593	.593	.593	.405	.405	.405	.233	.233	.233	.074	.074	.074	
1.0	.683	.665	.648	.585	.571	.558	.400	.392	.386	.230	.227	.224	.074	.073	.073	
2.0	.674	.644	.618	.577	.554	.534	.396	.383	.373	.228	.223	.218	.073	.072	.071	
3.0	.666	.628	.597	.571	.542	.518	.392	.376	.363	.227	.220	.214	.073	.071	.070	
4.0	.659	.616	.583	.566	.532	.506	.389	.371	.357	.225	.217	.211	.072	.071	.069	
5.0	.653	.607	.573	.561	.525	.498	.386	.367	.352	.224	.215	.209	.072	.070	.069	
6.0	.647	.599	.565	.556	.519	.492	.384	.363	.348	.223	.214	.207	.072	.070	.068	
7.0	.642	.593	.559	.552	.514	.488	.382	.361	.345	.222	.212	.206	.072	.070	.068	
8.0	.637	.588	.555	.548	.510	.484	.379	.358	.343	.221	.211	.205	.071	.069	.068	
9.0	.632	.584	.552	.545	.507	.481	.377	.356	.342	.220	.210	.204	.071	.069	.068	
10.0	.628	.581	.549	.541	.504	.479	.375	.355	.340	.219	.210	.203	.071	.069	.067	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-09-29

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:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71lx1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1650*48*76			SERIAL No.:			
MFR.:					SUR.:1.64*0.042			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	2H	10.6	11.3	11.6	12.3	13.6	12.5	13.2	13.5	14.2	15.5
	3H	10.2	10.9	11.2	11.9	13.2	12.1	12.8	13.2	13.8	15.1
	4H	10.0	10.6	11.1	11.6	13.0	11.9	12.5	13.0	13.6	14.9
	6H	9.8	10.4	10.9	11.4	12.8	11.8	12.3	12.8	13.3	14.7
	8H	9.7	10.3	10.8	11.3	12.7	11.7	12.2	12.7	13.2	14.6
	12H	9.6	10.1	10.7	11.2	12.6	11.6	12.1	12.6	13.1	14.5
4H	2H	10.0	10.7	11.1	11.7	13.0	12.0	12.6	13.0	13.6	14.9
	3H	9.7	10.2	10.7	11.2	12.6	11.6	12.1	12.6	13.1	14.5
	4H	9.5	9.9	10.6	11.0	12.4	11.4	11.8	12.5	12.9	14.3
	6H	9.3	9.7	10.4	10.7	12.2	11.2	11.6	12.3	12.6	14.1
	8H	9.2	9.5	10.3	10.6	12.1	11.1	11.4	12.2	12.5	14.0
	12H	9.1	9.4	10.2	10.5	12.0	11.0	11.3	12.1	12.4	13.9
8H	4H	9.2	9.5	10.3	10.6	12.1	11.1	11.4	12.2	12.5	14.0
	6H	9.0	9.2	10.1	10.3	11.9	10.9	11.1	12.0	12.2	13.7
	8H	8.9	9.1	10.0	10.2	11.7	10.8	11.0	11.9	12.1	13.6
	12H	8.8	9.0	9.9	10.1	11.6	10.6	10.9	11.8	12.0	13.5
12H	4H	9.1	9.4	10.2	10.5	12.0	11.0	11.3	12.1	12.4	13.9
	6H	8.9	9.1	10.0	10.2	11.7	10.8	11.0	11.9	12.1	13.6
	8H	8.7	9.0	9.9	10.1	11.6	10.6	10.9	11.8	12.0	13.5
Variations with the observer position at spacings:											
S = 1.0H	+ 2.7 / -23.6					+ 2.7 / -21.8					
1.5H	+ 4.1 / -17.9					+ 4.1 / -10.4					
2.0H	+ 5.7 / -16.5					+ 6.2 / -22.5					

CIE Pub.117, 7749 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:2025-09-29

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:

### UTILIZATION FACTORS TABLE

Test:U:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

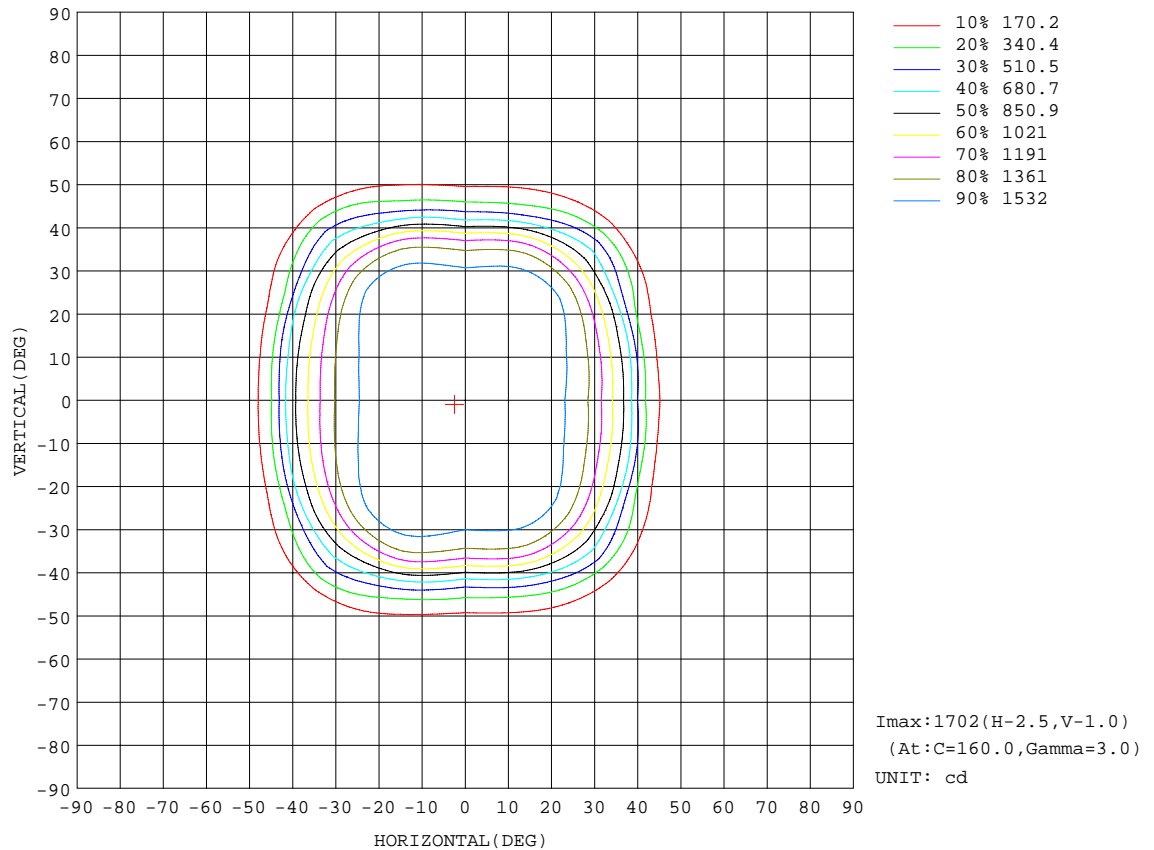
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	37	32	44	35	31	39	32	28	22
0.80	55	45	39	52	43	37	45	38	34	25
1.00	62	52	45	58	49	43	49	43	39	27
1.25	68	58	52	63	55	49	54	47	43	28
1.50	73	63	57	67	59	53	56	51	47	30
2.00	79	71	64	73	65	60	60	55	51	31
2.50	83	75	69	76	69	64	63	58	54	31
3.00	86	79	73	79	73	68	64	60	57	32
4.00	90	84	79	82	77	73	67	63	61	32
5.00	93	88	83	84	80	76	68	65	63	33
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:2025-09-29

$\gamma$  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:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



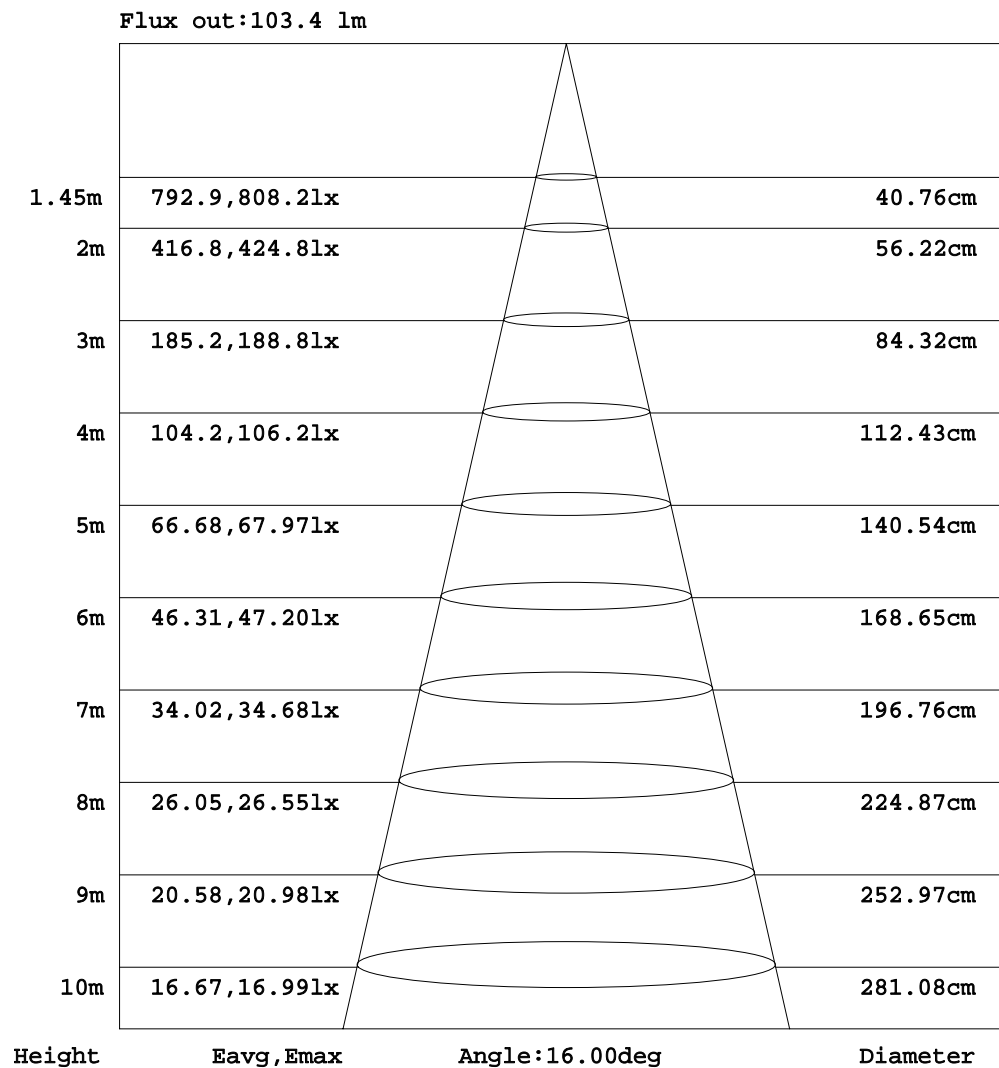
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

$\gamma$  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 Figure

Test:U:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



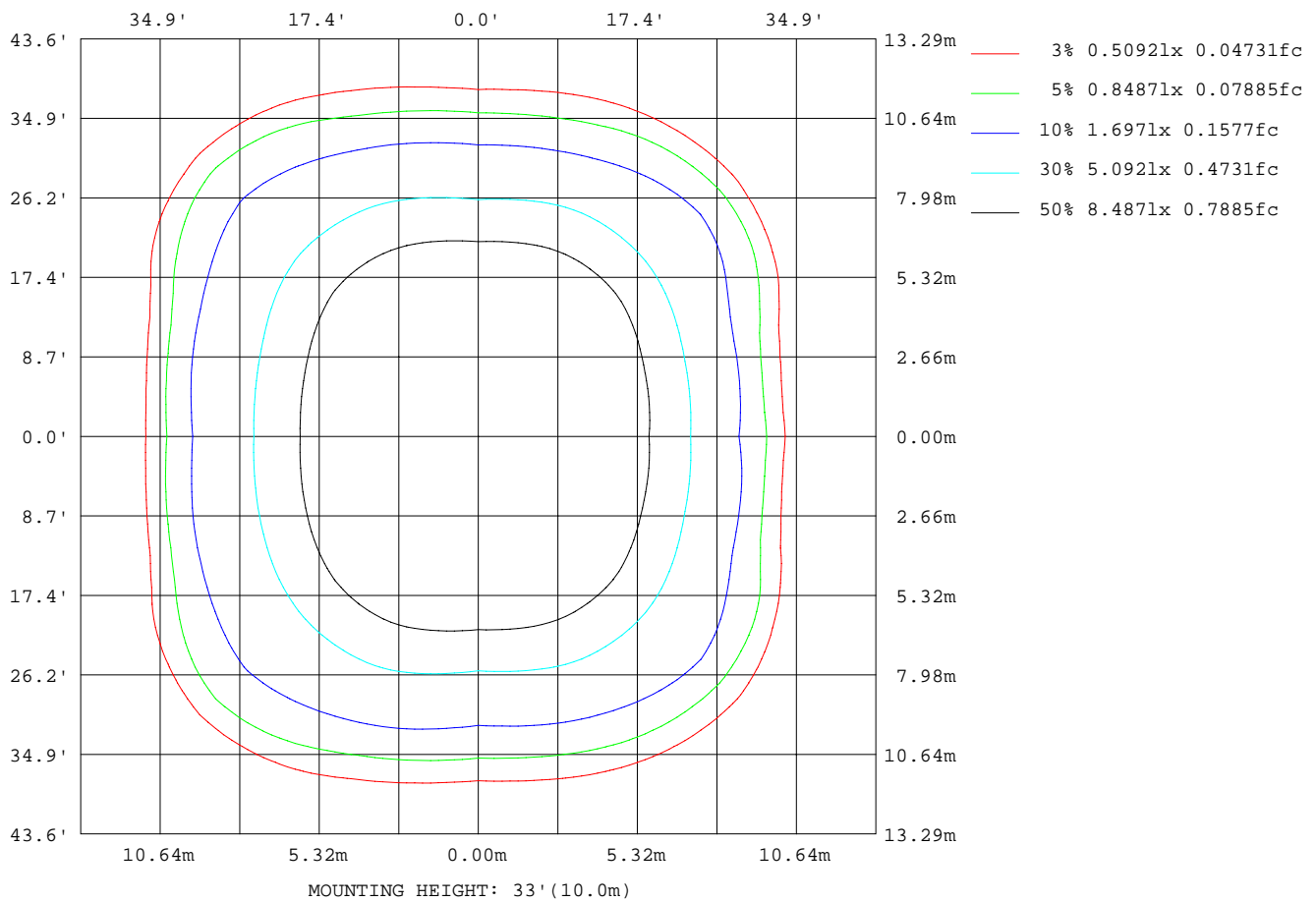
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-09-29

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:

## ISOLUX DIAGRAM

Test:U:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-09-29

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:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

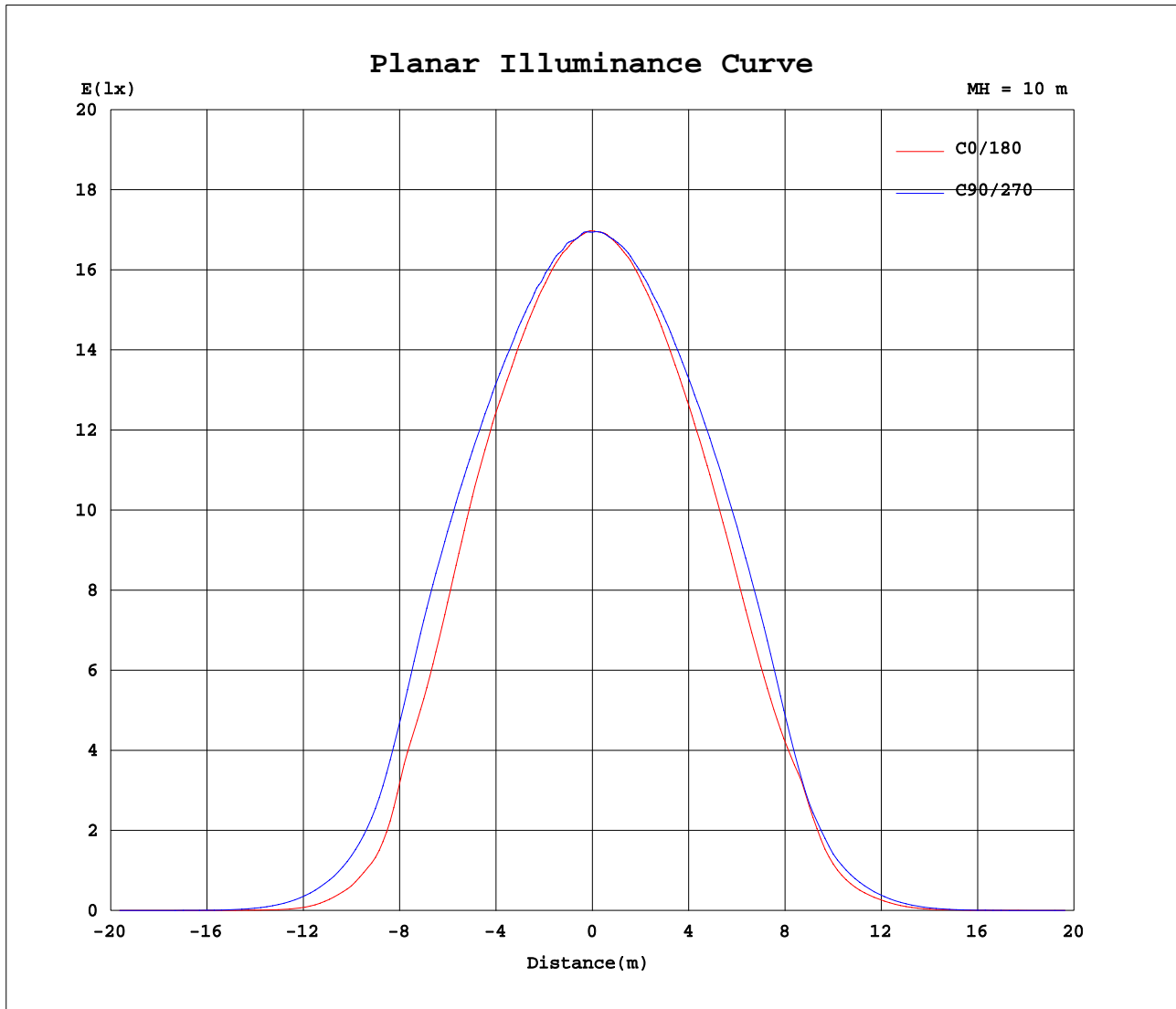
AvgL	cd/m2
L_0~180(65)av	67
L_0~180(75)av	84
L_0~180(85)av	263
L_90~270(65)av	52
L_90~270(75)av	42
L_90~270(85)av	89
L_45(65)av	132
L_45(75)av	45
L_45(85)av	153

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

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: 2025-09-29

$\gamma$  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:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1650*48*76					SERIAL No.:				
MFR.:									SUR.:1.64*0.042					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	1697	1697	1697	1697	1696	1696	1696	1695	1695	1695	1694	1694	1694	1694	1694	1694	1694	1694	1694
5	1685	1685	1685	1685	1685	1686	1686	1687	1687	1688	1688	1689	1689	1689	1690	1690	1690	1691	1691
10	1664	1663	1662	1662	1662	1663	1664	1666	1668	1670	1673	1675	1677	1679	1680	1682	1682	1683	1684
15	1630	1630	1632	1633	1635	1637	1640	1643	1646	1649	1653	1656	1659	1662	1665	1667	1669	1671	1673
20	1576	1578	1581	1585	1589	1595	1603	1611	1618	1626	1631	1636	1640	1643	1646	1648	1650	1651	1653
25	1486	1493	1502	1511	1523	1537	1554	1571	1587	1601	1608	1613	1616	1618	1618	1617	1616	1616	1616
30	1281	1296	1314	1337	1362	1396	1436	1476	1514	1547	1563	1573	1577	1577	1570	1559	1547	1538	1532
35	962	977	999	1029	1065	1116	1179	1243	1305	1360	1391	1412	1423	1426	1412	1385	1358	1334	1319
40	499	549	601	654	709	771	838	902	960	1009	1035	1048	1050	1041	1009	957	906	864	838
45	175	172	183	207	244	308	396	484	565	631	632	614	582	542	500	461	426	401	388
50	32.8	34.9	42.6	55.9	74.8	105	146	186	223	253	254	247	234	216	197	178	161	148	142
55	5.30	0.77	0.00	1.63	7.03	18.9	36.2	54.1	70.5	83.7	81.8	75.9	67.3	57.0	47.2	38.6	31.4	26.3	24.1
60	2.32	1.04	0.48	0.66	1.58	3.99	7.66	11.4	14.7	17.1	15.5	13.0	9.87	6.66	4.38	3.25	2.56	2.30	2.46
65	1.86	1.79	1.73	1.68	1.66	1.66	1.68	1.71	1.74	1.75	1.70	1.63	1.56	1.50	1.47	1.47	1.49	1.52	1.55
70	1.62	1.50	1.40	1.31	1.23	1.18	1.14	1.11	1.09	1.08	1.08	1.07	1.07	1.08	1.09	1.09	1.10	1.11	1.13
75	1.56	1.36	1.19	1.05	0.94	0.88	0.86	0.85	0.86	0.87	0.83	0.78	0.74	0.70	0.69	0.70	0.72	0.75	0.77
80	1.12	1.03	0.96	0.91	0.88	0.88	0.91	0.95	0.98	1.00	0.92	0.83	0.73	0.64	0.57	0.55	0.53	0.53	0.53
85	0.88	0.94	0.99	1.03	1.06	1.09	1.10	1.10	1.09	1.06	0.97	0.87	0.76	0.66	0.58	0.53	0.50	0.48	0.47
90	0.55	0.46	0.42	0.41	0.44	0.54	0.69	0.86	1.03	1.19	1.28	1.35	1.38	1.38	1.28	1.11	0.93	0.77	0.66
95	142	160	177	194	209	228	248	263	272	272	240	202	159	117	84.2	63.0	47.8	38.9	36.7
100	514	519	526	533	541	558	583	600	604	591	510	415	314	216	146	109	85.7	75.3	76.5
105	869	881	886	883	873	859	840	811	770	715	617	510	402	300	224	176	145	128	126
110	1073	1084	1086	1077	1057	1028	990	940	880	808	705	596	488	386	307	253	214	192	185
115	1213	1208	1195	1175	1148	1115	1075	1026	968	899	796	688	579	477	394	335	292	266	257
120	1257	1247	1231	1211	1186	1158	1129	1091	1044	985	886	780	673	570	486	425	379	351	341
125	1276	1271	1261	1246	1226	1206	1183	1153	1112	1060	966	863	759	658	576	516	471	443	432
130	1315	1315	1309	1298	1281	1262	1239	1208	1168	1116	1027	931	833	740	663	608	567	542	533
135	1358	1360	1356	1345	1329	1307	1281	1246	1204	1152	1071	984	897	815	747	698	662	640	633
140	1392	1394	1389	1378	1360	1336	1305	1267	1223	1171	1100	1025	951	881	824	783	754	736	731
145	1401	1400	1394	1381	1362	1336	1304	1266	1223	1176	1117	1056	997	942	897	865	842	829	825
150	1380	1379	1372	1359	1341	1317	1286	1251	1213	1172	1126	1081	1037	996	964	940	923	914	912
155	1333	1330	1323	1313	1298	1279	1254	1227	1198	1167	1135	1103	1072	1045	1022	1005	993	987	986
160	1277	1275	1271	1263	1253	1240	1223	1204	1184	1163	1142	1121	1102	1084	1070	1060	1054	1050	1051
165	1225	1224	1222	1218	1213	1205	1195	1184	1172	1160	1149	1138	1127	1118	1111	1106	1103	1102	1103
170	1187	1187	1186	1184	1182	1179	1174	1170	1165	1160	1155	1151	1147	1144	1141	1140	1140	1140	1142
175	1169	1169	1168	1168	1168	1167	1167	1166	1165	1165	1164	1164	1163	1163	1163	1162	1162	1162	1163
180	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

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:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1650*48*76					SERIAL No.:				
MFR.:									SUR.:1.64*0.042					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	1694	1695	1695	1695	1696	1696	1696	1696	1697	1697	1698	1698	1699	1699	1699	1698	1698	1697	1697
5	1692	1693	1693	1694	1695	1695	1695	1695	1695	1696	1697	1697	1698	1698	1696	1695	1694	1693	1694
10	1684	1685	1685	1686	1686	1687	1687	1687	1687	1687	1687	1687	1686	1686	1685	1683	1681	1680	1679
15	1675	1676	1677	1678	1678	1677	1675	1673	1671	1669	1667	1665	1663	1660	1657	1654	1652	1650	1651
20	1656	1660	1662	1664	1665	1663	1661	1657	1653	1648	1642	1635	1629	1622	1615	1608	1603	1600	1602
25	1622	1629	1635	1641	1644	1644	1642	1637	1630	1618	1604	1589	1573	1559	1545	1534	1526	1521	1525
30	1546	1564	1584	1602	1614	1618	1617	1611	1599	1573	1543	1511	1478	1447	1421	1398	1382	1372	1379
35	1350	1390	1433	1475	1500	1506	1503	1490	1467	1424	1374	1321	1267	1219	1179	1147	1123	1110	1120
40	890	957	1031	1103	1149	1164	1166	1156	1134	1093	1045	993	942	898	864	837	818	809	816
45	418	461	512	568	622	670	711	740	754	722	675	618	556	494	438	389	352	330	352
50	153	172	197	227	268	317	362	397	417	379	327	267	206	162	136	119	109	106	108
55	30.1	39.0	50.1	62.8	78.1	94.7	109	120	126	113	94.5	73.6	52.3	36.5	27.1	20.4	16.5	15.3	15.9
60	2.34	2.82	4.12	6.43	12.0	20.5	28.7	35.7	40.5	35.2	27.7	19.1	10.4	4.98	3.25	2.63	2.85	3.62	2.57
65	1.43	1.36	1.37	1.49	2.04	2.97	3.91	4.73	5.31	4.79	4.04	3.17	2.30	1.81	1.73	1.76	1.87	2.01	1.85
70	1.14	1.15	1.17	1.18	1.20	1.22	1.24	1.27	1.30	1.35	1.40	1.45	1.50	1.53	1.54	1.55	1.55	1.56	1.60
75	0.78	0.79	0.80	0.82	0.83	0.85	0.88	0.92	0.97	1.08	1.19	1.31	1.41	1.46	1.47	1.47	1.46	1.45	1.53
80	0.54	0.56	0.59	0.62	0.64	0.65	0.68	0.74	0.82	1.04	1.28	1.51	1.72	1.82	1.81	1.78	1.73	1.69	1.80
85	0.46	0.46	0.50	0.56	0.67	0.85	1.05	1.29	1.54	1.86	2.17	2.45	2.68	2.76	2.69	2.57	2.43	2.28	2.29
90	0.73	0.86	1.04	1.27	1.53	1.82	2.12	2.43	2.73	3.02	3.28	3.49	3.65	3.68	3.58	3.44	3.27	3.09	3.04
95	43.7	57.2	76.8	102	138	183	226	266	296	295	284	265	241	214	185	159	139	125	141
100	80.3	95.5	123	165	238	338	440	537	619	634	632	616	592	570	554	540	529	523	534
105	132	153	190	242	326	439	556	670	773	820	850	867	874	878	880	878	875	872	878
110	195	222	266	326	416	533	655	776	888	955	1007	1045	1072	1086	1090	1088	1083	1075	1085
115	271	302	350	416	509	626	749	872	986	1060	1120	1168	1205	1232	1251	1263	1268	1268	1271
120	356	389	440	509	604	722	845	966	1078	1145	1198	1239	1271	1300	1327	1348	1361	1367	1363
125	448	482	534	602	697	814	935	1054	1162	1220	1263	1295	1318	1340	1364	1383	1395	1402	1397
130	548	580	629	693	784	896	1013	1126	1230	1284	1324	1352	1371	1388	1406	1419	1427	1430	1428
135	647	675	719	778	862	966	1076	1182	1280	1334	1375	1404	1424	1441	1455	1464	1469	1470	1470
140	743	768	806	857	931	1023	1121	1217	1306	1360	1404	1437	1462	1482	1496	1505	1510	1510	1512
145	835	855	886	928	989	1066	1148	1230	1309	1364	1411	1451	1483	1506	1523	1533	1538	1538	1539
150	919	934	958	991	1038	1099	1164	1230	1295	1348	1395	1436	1472	1499	1517	1530	1537	1538	1537
155	993	1005	1024	1049	1083	1125	1170	1218	1266	1311	1354	1393	1428	1455	1475	1488	1496	1499	1496
160	1056	1065	1077	1094	1116	1142	1171	1202	1235	1268	1301	1332	1360	1383	1399	1411	1418	1420	1417
165	1107	1113	1121	1131	1143	1158	1175	1192	1211	1230	1249	1267	1283	1297	1307	1315	1320	1322	1319
170	1143	1146	1149	1154	1160	1167	1175	1184	1193	1201	1210	1218	1225	1231	1236	1240	1243	1244	1242
175	1164	1165	1167	1168	1170	1172	1174	1177	1179	1182	1184	1187	1189	1190	1192	1192	1193	1193	1193
180	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

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:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1650*48*76					SERIAL No.:				
MFR.:									SUR.:1.64*0.042					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	1697	1697	1696	1696	1696	1695	1695	1695	1694	1694	1694	1694	1694	1694	1694	1694	1694	1694	1695
5	1694	1695	1696	1697	1697	1698	1698	1698	1698	1699	1699	1699	1698	1698	1697	1696	1696	1695	1695
10	1680	1681	1683	1685	1687	1689	1691	1693	1694	1694	1695	1695	1695	1695	1694	1694	1693	1692	1691
15	1653	1655	1659	1662	1666	1671	1675	1678	1681	1684	1686	1687	1688	1688	1688	1687	1686	1684	1682
20	1606	1612	1619	1626	1635	1643	1652	1659	1664	1668	1671	1673	1674	1673	1672	1671	1669	1668	1667
25	1533	1543	1556	1572	1589	1607	1624	1639	1647	1653	1656	1658	1656	1651	1646	1640	1635	1635	1636
30	1393	1414	1439	1470	1506	1541	1575	1604	1616	1623	1625	1621	1610	1594	1577	1561	1549	1555	1565
35	1140	1170	1209	1260	1320	1381	1437	1486	1505	1512	1510	1498	1473	1438	1401	1368	1343	1360	1383
40	832	859	894	946	1012	1077	1138	1189	1205	1206	1193	1168	1120	1053	985	924	878	900	937
45	389	439	498	568	642	711	768	808	786	745	691	630	570	517	469	429	401	405	422
50	117	134	160	210	279	346	406	450	428	390	341	286	242	211	185	165	153	158	169
55	19.4	26.0	35.8	53.6	78.3	103	124	140	133	121	104	84.7	68.0	54.8	43.4	34.4	28.2	29.7	33.8
60	2.15	2.72	4.66	11.1	21.6	32.0	41.1	47.6	42.0	33.7	23.9	13.9	7.30	4.65	3.20	2.70	2.88	2.70	2.93
65	1.74	1.72	1.85	2.52	3.67	4.81	5.80	6.48	5.71	4.63	3.40	2.17	1.44	1.26	1.24	1.33	1.49	1.50	1.53
70	1.63	1.65	1.65	1.58	1.45	1.31	1.18	1.07	1.08	1.12	1.17	1.22	1.23	1.20	1.15	1.11	1.07	1.10	1.13
75	1.61	1.66	1.68	1.58	1.36	1.12	0.89	0.70	0.69	0.74	0.80	0.87	0.89	0.85	0.81	0.76	0.72	0.74	0.76
80	1.91	2.00	2.03	1.88	1.55	1.19	0.84	0.53	0.48	0.50	0.56	0.64	0.68	0.67	0.66	0.65	0.64	0.64	0.63
85	2.29	2.27	2.21	1.99	1.62	1.23	0.86	0.53	0.48	0.49	0.55	0.62	0.66	0.65	0.63	0.61	0.59	0.59	0.59
90	2.98	2.91	2.81	2.61	2.32	2.00	1.68	1.38	1.20	1.05	0.93	0.85	0.79	0.77	0.76	0.76	0.76	0.75	0.74
95	164	191	221	248	270	287	296	295	266	228	186	143	107	81.1	60.1	44.9	36.1	36.8	44.4
100	549	567	585	605	625	636	633	613	533	438	339	241	170	127	97.7	80.6	74.7	72.0	80.9
105	883	886	886	882	874	856	824	776	673	558	441	328	243	190	153	130	122	122	137
110	1092	1096	1094	1081	1055	1017	965	898	784	661	536	417	325	264	219	191	180	183	203
115	1267	1257	1240	1214	1178	1131	1071	997	881	756	630	510	415	348	297	265	250	256	280
120	1352	1333	1308	1280	1248	1207	1155	1088	975	853	729	610	513	442	388	352	334	342	368
125	1387	1370	1348	1326	1303	1272	1228	1170	1062	944	822	704	608	537	483	446	427	436	463
130	1421	1409	1392	1376	1358	1331	1293	1239	1136	1022	905	791	699	631	580	545	528	536	561
135	1467	1459	1446	1431	1411	1383	1343	1290	1192	1085	976	870	785	724	677	646	630	637	658
140	1509	1502	1489	1471	1446	1413	1370	1316	1227	1130	1033	939	864	811	770	743	729	734	752
145	1536	1527	1512	1489	1458	1419	1372	1317	1239	1157	1075	998	935	891	857	835	823	826	840
150	1531	1519	1500	1474	1439	1398	1351	1299	1236	1170	1106	1046	998	963	936	919	909	911	921
155	1489	1475	1456	1429	1395	1356	1314	1270	1222	1175	1129	1087	1053	1027	1008	995	987	988	994
160	1409	1396	1379	1357	1330	1301	1270	1238	1206	1175	1146	1119	1097	1080	1066	1057	1051	1051	1054
165	1313	1305	1294	1281	1265	1248	1230	1212	1194	1176	1159	1143	1131	1121	1113	1108	1104	1103	1104
170	1240	1236	1231	1225	1218	1210	1202	1194	1186	1178	1170	1163	1157	1151	1146	1143	1140	1139	1139
175	1193	1192	1191	1190	1188	1186	1183	1181	1179	1176	1174	1172	1170	1168	1166	1164	1163	1162	1162
180	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-09-29

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:229.68V I:0.2511A P:57.350W PF:0.9945 Freq:49.99Hz Lamp Flux:7748.71x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1650*48*76						SERIAL No.:		
MFR.:									SUR.:1.64*0.042						Shielding Angle:		

Table--4

UNIT: cd

C(°)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (°)																			
0	1695	1695	1696	1696	1696	1696	1697	1697	1698	1698	1699	1699	1699	1699	1698				
5	1694	1694	1693	1693	1692	1691	1690	1690	1690	1690	1689	1689	1689	1688	1687				
10	1690	1689	1687	1685	1683	1681	1679	1677	1675	1673	1671	1670	1668	1667	1666				
15	1679	1677	1674	1672	1670	1667	1664	1660	1656	1652	1647	1643	1640	1636	1633				
20	1666	1664	1662	1660	1657	1653	1648	1639	1630	1620	1610	1602	1594	1587	1581				
25	1638	1639	1639	1637	1634	1629	1621	1606	1589	1570	1551	1535	1521	1508	1497				
30	1576	1587	1595	1599	1598	1591	1577	1542	1501	1457	1413	1376	1346	1321	1299				
35	1410	1436	1448	1445	1433	1411	1379	1320	1255	1187	1120	1067	1028	998	976				
40	981	1025	1051	1053	1045	1025	995	942	882	816	749	689	637	588	542				
45	447	479	519	563	600	624	629	564	482	393	305	240	203	180	171				
50	184	200	215	227	235	237	233	204	169	132	95.2	67.7	50.9	39.5	33.4				
55	40.1	47.6	56.5	65.8	73.6	78.8	80.3	67.5	51.6	34.4	17.8	6.44	1.33	0.00	0.76				
60	3.59	4.66	6.71	9.57	12.3	14.5	16.0	13.7	10.7	7.31	3.97	1.76	0.91	0.72	1.19				
65	1.57	1.61	1.66	1.71	1.76	1.81	1.85	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87				
70	1.16	1.19	1.17	1.11	1.06	1.01	0.99	1.07	1.17	1.29	1.41	1.49	1.55	1.59	1.61				
75	0.79	0.81	0.79	0.75	0.70	0.67	0.66	0.75	0.87	1.00	1.14	1.25	1.34	1.42	1.49				
80	0.63	0.63	0.61	0.57	0.54	0.53	0.53	0.62	0.72	0.84	0.95	1.03	1.08	1.11	1.12				
85	0.59	0.58	0.57	0.56	0.54	0.53	0.53	0.56	0.60	0.64	0.69	0.73	0.77	0.81	0.84				
90	0.73	0.72	0.71	0.71	0.71	0.72	0.73	0.77	0.81	0.84	0.86	0.85	0.81	0.75	0.66				
95	58.8	79.7	114	158	203	245	279	282	275	261	241	223	205	186	165				
100	103	139	207	304	404	500	583	605	610	602	585	570	560	547	532				
105	166	211	287	389	498	606	707	767	814	848	872	888	897	897	887				
110	238	291	371	475	587	700	807	882	945	997	1037	1067	1085	1092	1088				
115	321	379	462	568	680	793	899	970	1029	1078	1117	1150	1177	1197	1208				
120	412	472	557	663	775	885	987	1047	1095	1132	1162	1188	1213	1233	1248				
125	507	567	650	752	858	962	1058	1113	1155	1186	1210	1230	1249	1264	1273				
130	602	658	734	828	927	1024	1113	1167	1209	1241	1265	1285	1302	1312	1317				
135	694	743	811	893	980	1066	1147	1201	1245	1281	1309	1331	1348	1358	1362				
140	782	823	879	948	1021	1094	1165	1218	1264	1304	1336	1362	1380	1391	1395				
145	863	896	940	995	1053	1113	1172	1220	1264	1303	1337	1363	1383	1395	1401				
150	939	963	996	1036	1079	1124	1169	1209	1248	1283	1314	1339	1357	1370	1378				
155	1005	1021	1043	1070	1100	1132	1164	1194	1224	1252	1277	1297	1311	1323	1330				
160	1061	1071	1085	1102	1121	1141	1161	1181	1201	1220	1236	1250	1261	1269	1274				
165	1107	1112	1119	1128	1138	1149	1160	1171	1181	1191	1200	1208	1214	1219	1222				
170	1140	1142	1145	1148	1152	1156	1160	1164	1168	1172	1176	1179	1182	1184	1186				
175	1162	1162	1162	1163	1163	1164	1165	1165	1166	1167	1167	1168	1168	1168	1169				
180	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

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: