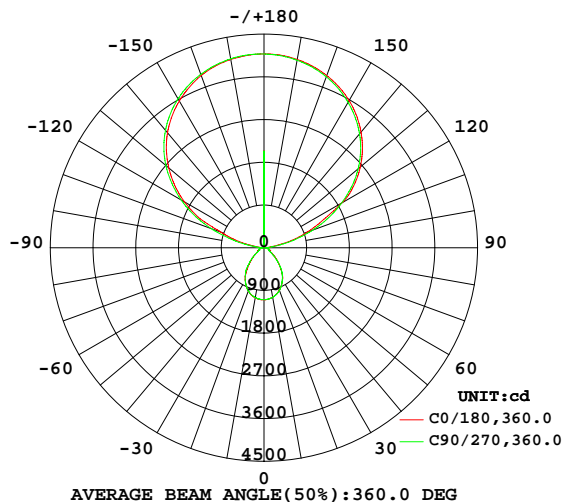


LUMINAIRE PHOTOMETRIC TEST REPORT

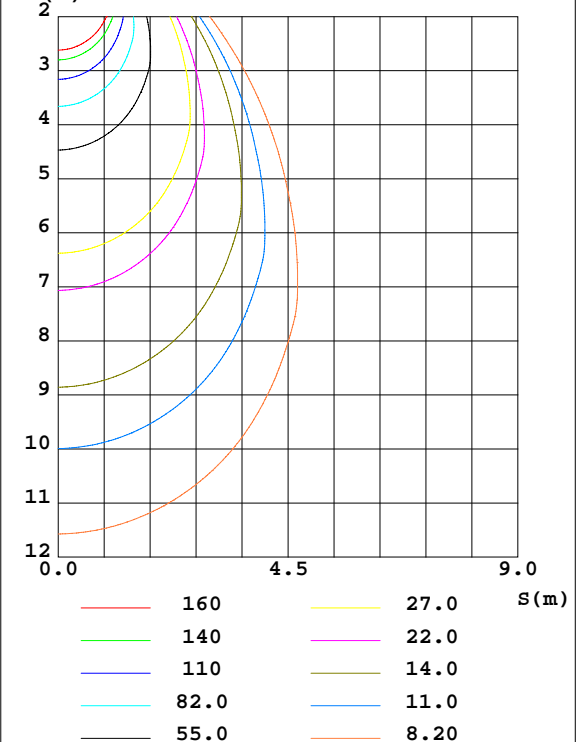
Test:U:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.03 lm/W			
MODEL		Imax(cd)	4085	S/MH(C0/180)	1.10
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.10
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	13873	η UP,DN(C0-180)	42.3,7.0
NOMINAL FLUX(lm)	13872.8	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	43.5,7.2
LAMPS INSIDE	1	η up(%)	85.8	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	14.2	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:2025-05-09

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:

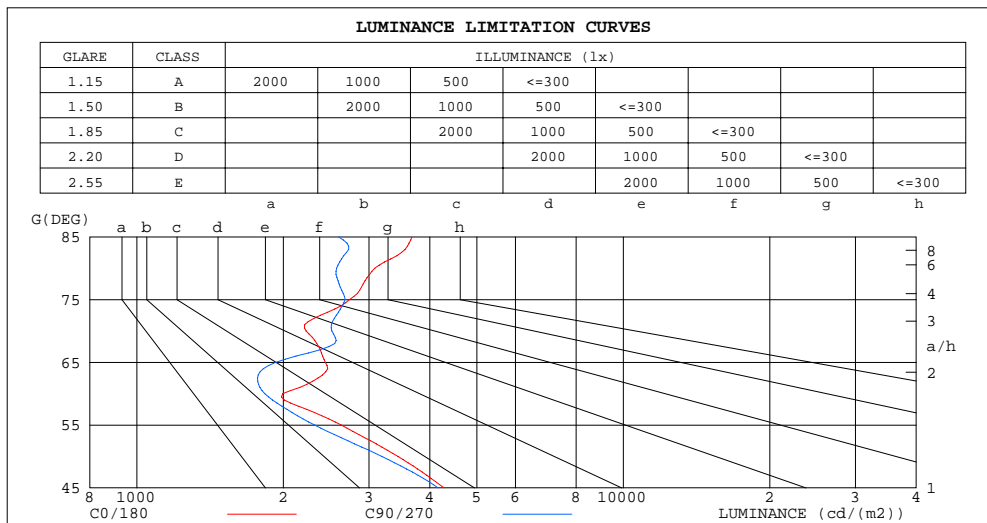
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1059	1057	1060	1064	1071	1069	1065	1058	0- 10	103.0	103.0	0.74,0.74
20	952.0	949.5	955.4	957.7	969.4	969.4	967.7	955.1	10- 20	286.9	389.9	2.81,2.81
30	783.0	765.9	774.1	770.1	793.5	788.3	790.6	774.8	20- 30	402.2	792.1	5.71,5.71
40	532.9	548.9	541.8	544.6	529.9	565.7	570.6	558.3	30- 40	418.2	1210	8.72,8.72
50	299.8	323.5	277.9	307.1	294.7	327.5	298.9	321.1	40- 50	325.7	1536	11.1,11.1
60	135.2	117.1	124.2	100.3	139.5	124.3	136.6	115.4	50- 60	198.1	1734	12.5,12.5
70	103.3	57.58	116.7	61.29	111.1	61.77	124.4	59.03	60- 70	111.4	1846	13.3,13.3
80	72.62	62.80	60.60	60.19	74.92	70.01	66.30	59.88	70- 80	82.63	1928	13.9,13.9
90	3.376	1.641	1.125	1.194	1.976	4.579	5.009	5.026	80- 90	40.77	1969	14.2,14.2
100	245.4	268.5	319.6	260.8	240.0	284.1	351.6	287.1	90-100	99.06	2068	14.9,14.9
110	978.4	965.3	1093	1016	968.8	1091	1183	1025	100-110	681.1	2749	19.8,19.8
120	1901	1863	1890	1845	1935	1913	2015	1927	110-120	1478	4227	30.5,30.5
130	2649	2573	2592	2558	2618	2624	2697	2646	120-130	2049	6276	45.2,45.2
140	3180	3133	3132	3122	3163	3186	3230	3202	130-140	2248	8524	61.4,61.4
150	3584	3552	3542	3545	3570	3598	3624	3609	140-150	2121	10645	76.7,76.7
160	3863	3843	3835	3839	3864	3874	3890	3883	150-160	1722	12367	89.1,89.1
170	4029	4018	4013	4015	4029	4034	4042	4040	160-170	1118	13486	97.2,97.2
180	4085	4085	4085	4085	4085	4085	4085	4085	170-180	387.1	13873	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:2025-05-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ 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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3677	2599
80	3084	2574
75	2736	2679
70	2228	2517
65	2440	1930
60	1994	1832
55	2632	2321
50	3440	3188
45	4280	4161

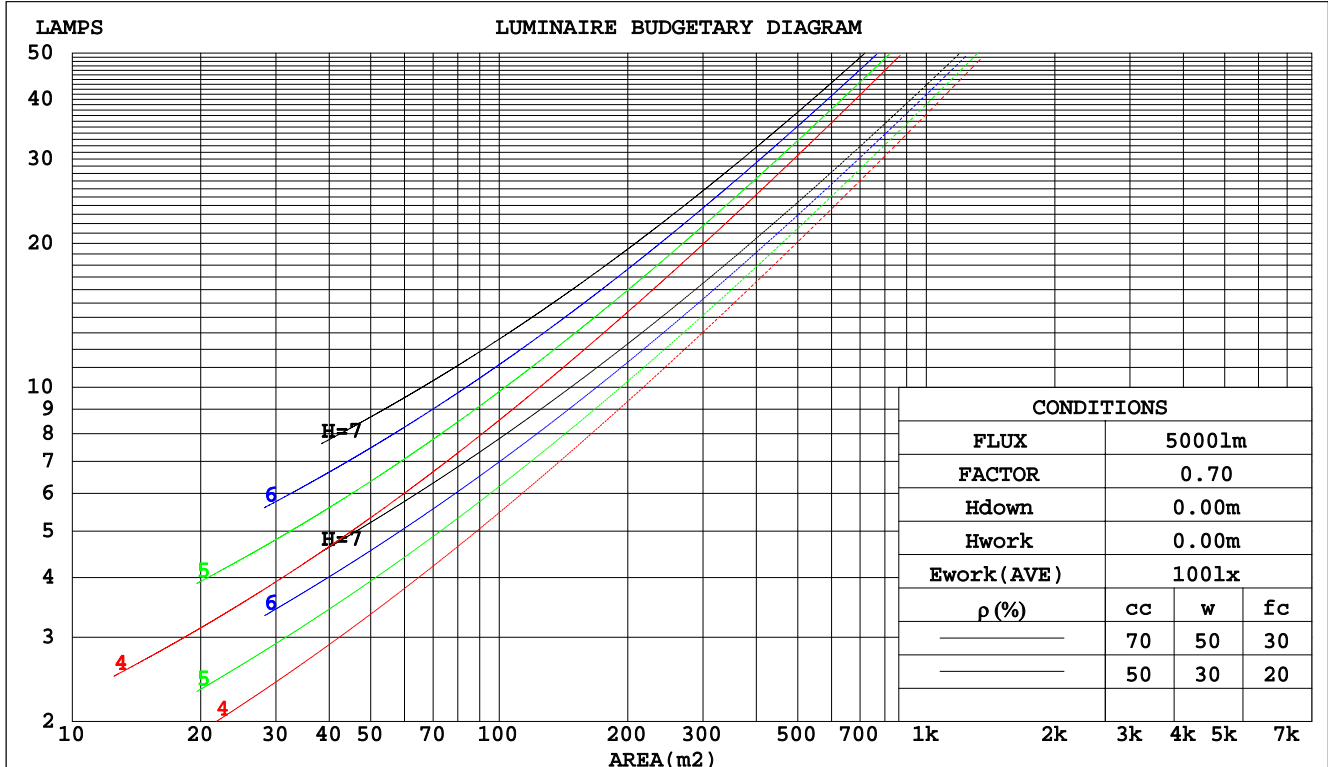
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	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	.99	.99	.99	.86	.86	.86	.63	.63	.63	.42	.42	.42	.23	.23	.23	.14
1.0	.86	.82	.79	.75	.72	.70	.56	.54	.52	.37	.36	.36	.21	.20	.20	.12
2.0	.75	.70	.65	.66	.62	.58	.49	.46	.43	.33	.31	.30	.19	.18	.17	.11
3.0	.66	.60	.54	.58	.53	.48	.43	.40	.37	.30	.27	.26	.17	.16	.15	.09
4.0	.59	.51	.46	.52	.46	.41	.39	.35	.31	.26	.24	.22	.15	.14	.13	.08
5.0	.52	.45	.39	.46	.40	.35	.35	.30	.27	.24	.21	.19	.14	.12	.11	.07
6.0	.47	.39	.34	.41	.35	.30	.31	.27	.24	.21	.19	.17	.12	.11	.10	.07
7.0	.42	.35	.30	.37	.31	.27	.28	.24	.21	.19	.17	.15	.11	.10	.09	.06
8.0	.38	.31	.26	.34	.28	.23	.25	.21	.18	.18	.15	.13	.11	.09	.08	.06
9.0	.35	.28	.23	.31	.25	.21	.23	.19	.16	.16	.14	.12	.10	.08	.07	.05
10.0	.32	.25	.20	.28	.22	.18	.21	.17	.15	.15	.12	.11	.09	.08	.07	.05



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 760*240*31			SERIAL No.:		
MFR.:			SUR.:0.71*0.191			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	.259	.147	.047	.226	.129	.041	.164	.094	.030	.108	.062	.020	.056	.032	.010	
2.0	.238	.131	.040	.208	.115	.035	.152	.085	.026	.100	.056	.018	.052	.029	.009	
3.0	.220	.117	.035	.193	.103	.031	.141	.076	.023	.093	.051	.016	.049	.027	.008	
4.0	.204	.106	.031	.179	.094	.028	.131	.070	.021	.087	.047	.014	.046	.025	.008	
5.0	.190	.097	.028	.167	.085	.025	.122	.064	.019	.081	.043	.013	.043	.023	.007	
6.0	.177	.089	.025	.155	.079	.023	.114	.059	.017	.076	.040	.012	.040	.021	.006	
7.0	.166	.082	.023	.146	.073	.021	.107	.054	.016	.072	.037	.011	.038	.020	.006	
8.0	.155	.076	.021	.137	.067	.019	.101	.050	.014	.067	.034	.010	.036	.018	.005	
9.0	.146	.071	.020	.129	.063	.018	.095	.047	.013	.064	.032	.009	.034	.017	.005	
10.0	.138	.066	.018	.121	.059	.016	.090	.044	.012	.060	.030	.009	.032	.016	.005	

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	.844	.844	.844	.722	.722	.722	.492	.492	.492	.283	.283	.283	.090	.090	.090		
1.0	.836	.816	.798	.715	.700	.686	.489	.482	.475	.282	.279	.276	.090	.090	.089		
2.0	.829	.796	.768	.710	.685	.664	.486	.474	.463	.280	.276	.271	.090	.089	.088		
3.0	.822	.781	.748	.705	.674	.649	.484	.468	.455	.279	.273	.268	.090	.089	.088		
4.0	.816	.770	.735	.700	.665	.639	.481	.464	.450	.278	.272	.266	.090	.088	.087		
5.0	.810	.761	.726	.696	.659	.631	.479	.460	.446	.278	.270	.264	.089	.088	.087		
6.0	.804	.755	.719	.691	.654	.626	.477	.457	.443	.277	.269	.263	.089	.088	.087		
7.0	.799	.749	.714	.687	.649	.622	.475	.455	.441	.276	.268	.262	.089	.088	.087		
8.0	.794	.744	.710	.683	.646	.619	.473	.453	.439	.275	.267	.262	.089	.088	.087		
9.0	.789	.740	.707	.680	.642	.617	.471	.452	.438	.274	.267	.261	.089	.088	.087		
10.0	.785	.737	.705	.676	.640	.615	.469	.450	.437	.274	.266	.261	.089	.087	.086		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-09

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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 760*240*31			SERIAL No.:			
MFR.:					SUR.:0.71*0.191			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		7.6	8.2	8.7	9.4	11.0	7.3	8.0	8.5	9.2	10.8
3H		8.3	8.9	9.5	10.1	11.7	8.2	8.8	9.3	9.9	11.6
4H		8.8	9.4	10.0	10.5	12.2	8.7	9.2	9.9	10.4	12.1
6H		9.5	10.0	10.7	11.1	12.8	9.2	9.7	10.4	10.9	12.5
8H		9.8	10.3	11.0	11.4	13.1	9.4	9.9	10.6	11.0	12.7
12H		10.0	10.5	11.3	11.7	13.4	9.5	10.0	10.7	11.2	12.8
4H 2H		7.3	7.9	8.5	9.0	10.7	7.1	7.7	8.3	8.8	10.5
3H		8.2	8.7	9.4	9.9	11.6	8.1	8.5	9.3	9.7	11.4
4H		8.9	9.3	10.1	10.5	12.2	8.7	9.1	10.0	10.3	12.0
6H		9.8	10.2	11.1	11.4	13.1	9.5	9.9	10.7	11.1	12.8
8H		10.3	10.6	11.5	11.8	13.5	9.8	10.1	11.0	11.3	13.1
12H		10.7	10.9	11.9	12.2	13.9	10.0	10.3	11.3	11.5	13.3
8H 4H		8.9	9.3	10.2	10.5	12.2	8.8	9.1	10.0	10.3	12.0
6H		10.1	10.4	11.3	11.6	13.3	9.8	10.1	11.0	11.3	13.0
8H		10.6	10.9	11.9	12.1	13.8	10.2	10.5	11.5	11.7	13.4
12H		11.2	11.4	12.4	12.6	14.4	10.5	10.7	11.8	12.0	13.7
12H 4H		8.9	9.2	10.2	10.4	12.2	8.8	9.1	10.0	10.3	12.0
6H		10.1	10.4	11.4	11.6	13.3	9.9	10.1	11.1	11.3	13.1
8H		10.7	10.9	12.0	12.2	13.9	10.3	10.5	11.6	11.8	13.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5				+ 0.4 / - 0.5					
1.5H		+ 0.2 / - 0.4				+ 0.2 / - 0.5					
2.0H		+ 0.7 / - 0.5				+ 0.8 / - 0.8					

CIE Pub.117, 13873 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.1$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-09

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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

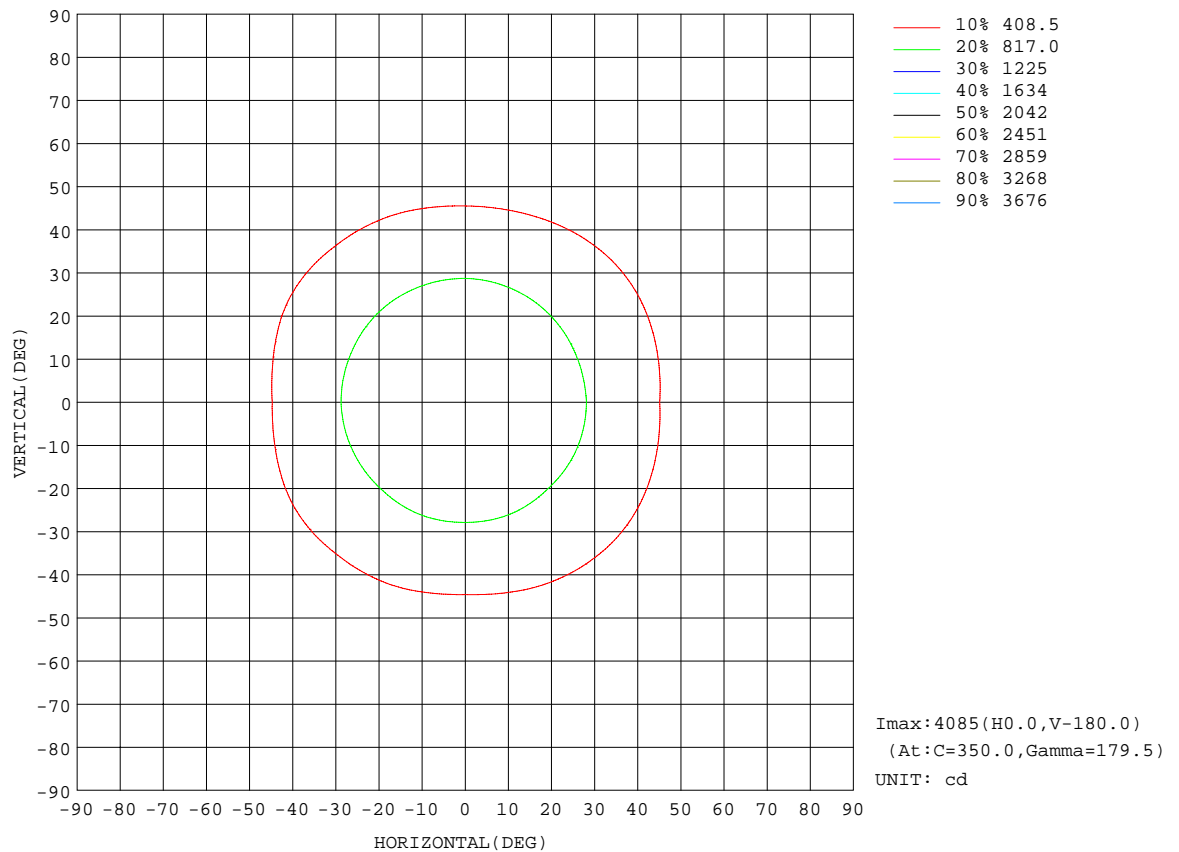
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	36	25	20	32	23	18	25	19	15	7
0.80	45	33	27	40	30	25	31	24	20	8
1.00	52	40	33	46	36	30	35	29	24	9
1.25	59	47	40	52	42	36	39	33	29	10
1.50	64	53	46	56	47	41	42	36	32	10
2.00	71	61	54	62	54	48	46	41	37	11
2.50	75	67	60	66	59	53	49	45	41	12
3.00	79	71	65	69	63	58	51	47	44	12
4.00	83	77	71	73	68	63	54	51	48	12
5.00	86	81	76	75	71	67	56	53	50	13
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:2025-05-09

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:

ISOCANDELA DIAGRAM

Test:U:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

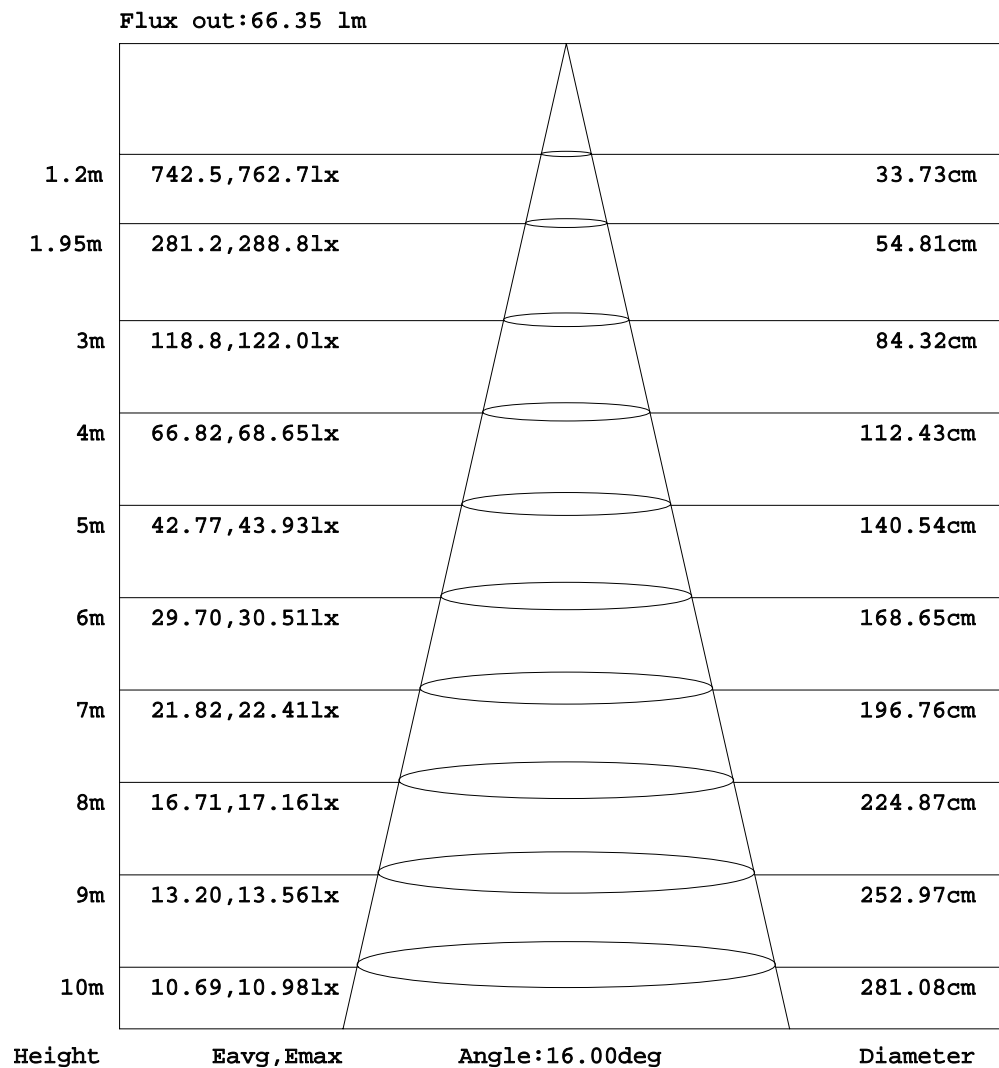


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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 Figure

Test:U:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:



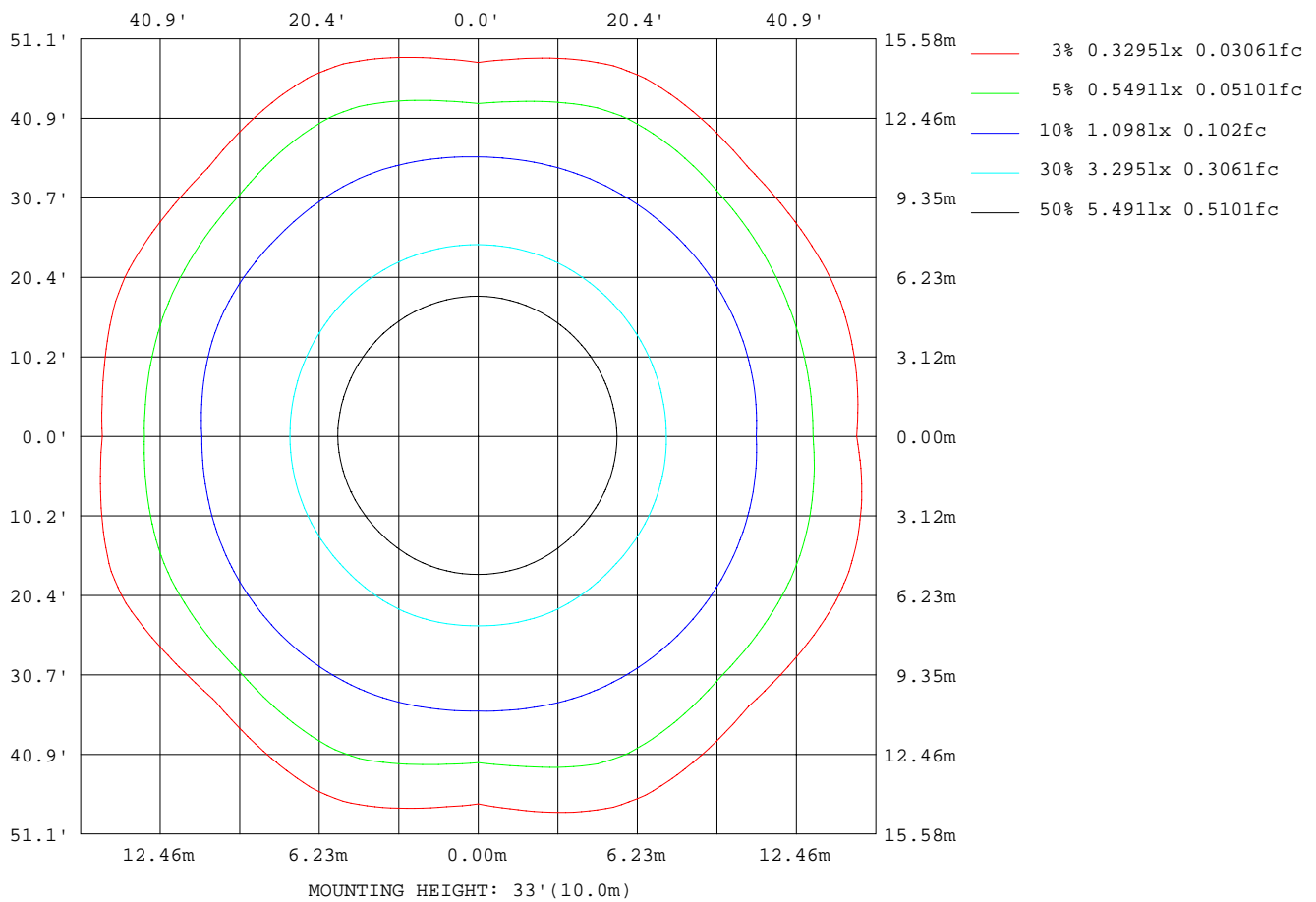
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-09

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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2025-05-09

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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

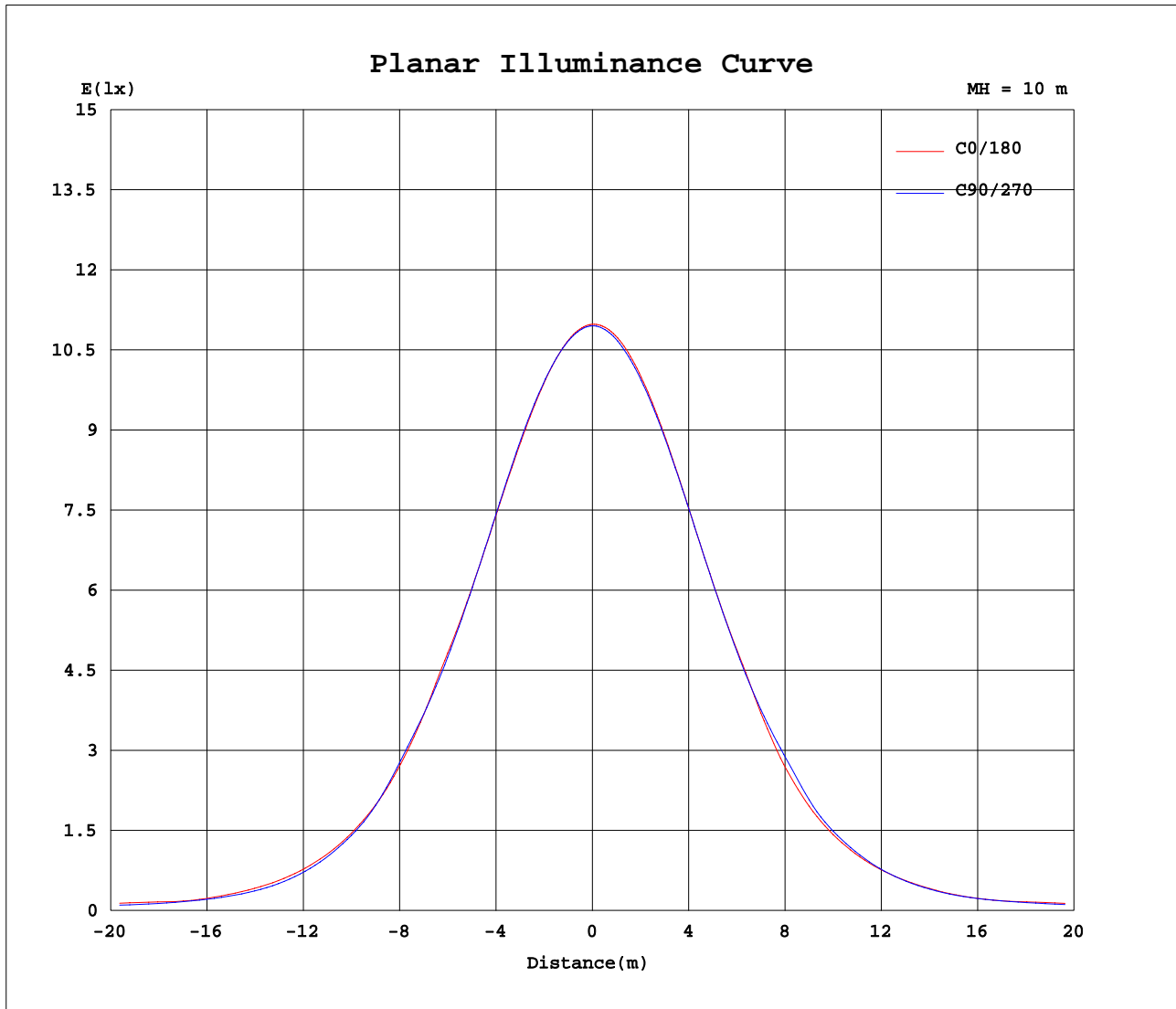
AvgL	cd/m2
L_0~180(65)av	2405
L_0~180(75)av	2726
L_0~180(85)av	3499
L_90~270(65)av	1974
L_90~270(75)av	2751
L_90~270(85)av	3133
L_45(65)av	1023
L_45(75)av	1928
L_45(85)av	2842

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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: 2025-05-09

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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 760*240*31						SERIAL No.:		
MFR.:									SUR.:0.71*0.191						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	1098	1098	1098	1098	1097	1097	1097	1097	1097	1097	1096	1096	1096	1096	1096	1096	1096	1095	1095
5	1087	1087	1087	1087	1086	1086	1086	1086	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085
10	1059	1059	1059	1059	1059	1059	1058	1058	1058	1057	1058	1058	1059	1059	1059	1060	1060	1060	1060
15	1014	1014	1015	1015	1015	1014	1014	1014	1013	1013	1014	1015	1016	1016	1017	1017	1018	1018	1018
20	952	952	952	952	952	952	951	950	950	950	950	952	953	954	955	955	955	955	955
25	872	871	871	870	869	868	867	866	866	865	866	868	870	871	872	872	872	872	872
30	783	782	780	778	776	774	772	769	767	766	767	769	771	773	774	775	775	774	774
35	668	668	668	668	667	665	663	661	659	658	661	665	669	673	674	673	672	671	670
40	533	537	540	543	545	547	547	548	548	549	552	554	557	558	557	553	549	545	542
45	410	416	421	424	426	427	427	425	423	421	420	419	418	417	414	409	405	402	399
50	300	303	306	308	311	314	317	320	322	324	324	324	323	320	313	303	293	284	278
55	205	216	225	232	236	235	231	225	221	217	226	236	244	250	245	228	211	194	181
60	135	150	161	168	170	164	152	139	126	117	127	139	152	164	165	156	144	133	124
65	140	143	143	140	134	122	104	86.3	70.8	59.7	69.1	82.8	98.5	114	122	121	118	114	111
70	103	102	100	97.2	93.2	86.5	77.8	69.5	62.4	57.6	61.2	67.2	74.9	83.7	92.4	101	108	113	117
75	96.0	91.0	86.3	81.9	77.9	74.0	70.3	67.1	64.5	62.8	62.3	62.8	64.3	66.7	71.4	78.1	84.6	90.2	94.0
80	72.6	70.7	69.1	67.6	66.3	65.2	64.3	63.6	63.1	62.8	62.8	63.0	63.2	63.3	63.0	62.2	61.5	60.9	60.6
85	43.5	43.7	43.5	43.0	42.0	40.3	38.0	35.5	33.1	30.9	29.8	29.0	28.6	28.4	28.6	29.0	29.6	30.2	30.7
90	3.38	3.61	3.74	3.76	3.67	3.40	2.96	2.49	2.04	1.64	1.63	1.69	1.79	1.89	1.85	1.67	1.48	1.29	1.13
95	44.5	44.3	44.3	44.6	45.2	46.0	46.9	48.2	49.9	52.0	55.2	58.8	62.6	66.6	71.0	75.5	79.4	82.4	84.2
100	245	242	239	239	240	243	248	255	262	268	273	277	281	286	292	300	308	315	320
105	612	613	612	610	607	600	590	581	575	573	589	610	632	654	670	679	685	688	687
110	978	978	977	976	974	971	965	961	961	965	989	1016	1045	1071	1089	1096	1098	1097	1093
115	1359	1358	1361	1366	1373	1386	1402	1419	1437	1454	1466	1476	1484	1490	1496	1500	1503	1504	1503
120	1901	1915	1924	1929	1929	1921	1907	1891	1876	1863	1864	1869	1876	1883	1888	1890	1891	1892	1890
125	2323	2318	2312	2305	2297	2285	2270	2257	2245	2236	2240	2246	2254	2263	2267	2266	2265	2262	2260
130	2649	2642	2634	2627	2619	2609	2598	2588	2580	2573	2575	2578	2582	2587	2591	2592	2592	2592	2592
135	2932	2926	2920	2914	2907	2899	2891	2883	2876	2871	2870	2871	2873	2875	2877	2878	2879	2879	2879
140	3180	3175	3169	3164	3159	3153	3147	3142	3137	3133	3131	3130	3129	3129	3130	3130	3131	3131	3132
145	3399	3393	3387	3382	3377	3373	3368	3365	3361	3358	3356	3354	3353	3352	3351	3351	3351	3351	3352
150	3584	3579	3574	3569	3565	3561	3558	3556	3554	3552	3549	3547	3545	3543	3542	3542	3542	3542	3542
155	3739	3734	3730	3726	3722	3720	3717	3715	3713	3712	3710	3708	3707	3705	3704	3704	3703	3703	3703
160	3863	3859	3855	3852	3849	3847	3846	3845	3844	3843	3841	3840	3838	3837	3836	3836	3836	3835	3835
165	3959	3956	3953	3951	3949	3947	3946	3945	3945	3944	3943	3942	3941	3939	3939	3938	3938	3938	3938
170	4029	4027	4025	4023	4021	4020	4019	4019	4018	4018	4017	4016	4015	4014	4013	4013	4013	4013	4013
175	4072	4070	4069	4067	4066	4066	4065	4065	4065	4065	4064	4064	4063	4062	4062	4062	4062	4061	4061
180	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 760*240*31					SERIAL No.:				
MFR.:									SUR.:0.71*0.191					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	1095	1095	1095	1095	1094	1094	1094	1094	1094	1094	1094	1093	1093	1094	1095	1096	1097	1098	1098
5	1086	1086	1086	1086	1086	1087	1087	1087	1087	1087	1087	1087	1088	1089	1090	1091	1092	1093	1093
10	1060	1061	1062	1062	1063	1063	1064	1064	1064	1065	1065	1066	1066	1067	1068	1069	1071	1071	1072
15	1019	1020	1021	1021	1022	1022	1022	1022	1022	1023	1024	1024	1025	1026	1028	1029	1030	1031	1031
20	956	957	958	958	959	958	958	958	958	958	959	961	962	964	965	967	968	969	969
25	873	873	874	874	874	873	873	872	872	873	874	876	878	880	882	884	886	887	888
30	775	775	776	776	775	773	772	771	770	772	774	777	779	783	786	789	791	793	793
35	671	672	674	674	673	670	667	664	662	662	663	665	667	669	670	671	672	673	674
40	544	547	550	553	554	552	550	547	545	543	542	541	540	538	535	533	531	530	532
45	401	403	407	409	410	409	408	406	406	409	413	417	420	419	414	409	405	403	410
50	283	290	298	306	311	311	311	309	307	306	305	303	302	300	298	296	295	295	297
55	189	202	216	229	231	224	214	204	196	201	209	216	223	224	219	213	206	201	203
60	132	142	152	160	157	142	126	111	100	112	128	145	162	167	162	155	147	140	145
65	115	120	124	125	117	99.8	82.1	66.2	54.7	64.6	79.1	96.3	114	126	131	134	135	136	139
70	114	109	102	94.4	86.4	78.5	71.4	65.4	61.3	62.4	65.4	70.0	75.9	83.2	91.6	99.5	106	111	109
75	90.1	84.5	78.2	71.9	68.5	68.1	68.8	70.3	72.4	74.3	76.6	79.1	81.8	84.8	88.2	91.2	93.7	95.3	94.3
80	61.5	62.7	63.8	64.7	64.6	63.6	62.3	61.1	60.2	60.4	61.0	62.0	63.3	65.5	68.4	71.1	73.4	74.9	72.9
85	30.8	30.8	30.7	30.6	30.4	30.0	30.0	30.4	31.5	35.5	39.9	44.1	47.7	48.6	46.7	44.2	41.5	39.3	40.7
90	1.14	1.19	1.27	1.34	1.36	1.32	1.28	1.23	1.19	1.20	1.23	1.27	1.33	1.38	1.43	1.53	1.70	1.98	2.65
95	82.0	78.5	74.4	69.8	66.1	63.3	60.8	58.7	56.8	55.5	54.4	53.6	52.8	51.9	50.7	49.8	49.1	48.8	49.6
100	319	317	312	306	298	288	278	269	261	258	256	256	255	253	249	245	242	240	243
105	682	674	664	652	639	625	611	599	588	585	584	585	588	590	593	596	600	604	607
110	1088	1081	1073	1064	1054	1044	1035	1025	1016	1008	1000	993	987	981	975	970	968	969	977
115	1498	1491	1483	1475	1464	1452	1441	1434	1431	1444	1461	1480	1499	1512	1519	1523	1527	1530	1538
120	1888	1884	1879	1874	1867	1859	1852	1847	1845	1854	1866	1880	1894	1906	1915	1922	1929	1935	1942
125	2260	2260	2260	2258	2252	2242	2232	2224	2218	2224	2233	2244	2256	2267	2275	2283	2291	2297	2304
130	2591	2590	2588	2586	2581	2574	2567	2562	2558	2561	2567	2574	2582	2590	2597	2605	2612	2618	2624
135	2878	2876	2874	2872	2869	2865	2862	2859	2858	2860	2863	2868	2873	2879	2887	2894	2901	2908	2913
140	3130	3128	3126	3124	3123	3122	3121	3121	3122	3123	3125	3128	3132	3137	3143	3150	3157	3163	3167
145	3350	3349	3348	3347	3346	3347	3348	3349	3350	3351	3353	3354	3357	3361	3365	3371	3376	3382	3386
150	3541	3540	3540	3539	3540	3541	3542	3544	3545	3546	3547	3548	3550	3552	3556	3561	3565	3570	3573
155	3703	3703	3702	3702	3703	3704	3705	3706	3707	3708	3708	3709	3711	3713	3717	3721	3725	3730	3732
160	3835	3835	3835	3835	3836	3836	3837	3838	3839	3839	3840	3841	3843	3846	3850	3855	3860	3864	3866
165	3937	3937	3937	3938	3938	3938	3939	3940	3941	3942	3943	3945	3946	3949	3953	3957	3961	3964	3966
170	4012	4012	4012	4012	4012	4012	4013	4014	4015	4016	4016	4017	4019	4020	4023	4025	4027	4029	4030
175	4061	4061	4060	4060	4060	4061	4061	4062	4063	4063	4064	4064	4065	4065	4066	4067	4067	4068	4068
180	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 760*240*31					SERIAL No.:				
MFR.:									SUR.:0.71*0.191					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	1098	1098	1098	1097	1097	1097	1097	1097	1096	1096	1096	1096	1096	1096	1096	1095	1095	1095	1095
5	1093	1093	1092	1092	1092	1092	1091	1091	1091	1090	1090	1089	1089	1089	1088	1088	1088	1087	1087
10	1071	1071	1071	1071	1070	1070	1070	1069	1069	1068	1067	1066	1066	1066	1065	1065	1065	1064	1063
15	1031	1031	1030	1030	1030	1030	1030	1030	1029	1029	1028	1028	1027	1027	1027	1027	1026	1025	1024
20	969	969	968	968	969	969	969	969	969	969	969	969	969	969	969	968	968	967	965
25	887	887	886	886	886	886	887	887	887	888	888	888	888	888	888	888	887	886	885
30	793	791	790	789	789	789	788	788	788	788	788	788	789	790	790	791	791	789	788
35	676	677	678	679	679	680	680	680	681	682	683	684	685	685	685	685	685	684	683
40	536	540	544	549	554	558	562	566	567	569	569	570	570	570	571	571	571	570	569
45	418	427	436	440	439	436	433	430	430	430	430	430	429	427	425	423	421	420	419
50	301	305	310	314	318	321	324	328	332	336	338	339	335	325	315	306	299	303	310
55	207	211	215	217	215	213	212	212	223	234	244	252	249	236	220	206	195	205	218
60	152	160	165	163	153	142	132	124	133	145	158	169	171	163	154	144	137	143	151
65	141	141	138	128	110	91.8	75.9	64.5	74.9	89.6	106	123	130	129	126	121	116	118	120
70	105	99.6	92.9	85.3	77.5	70.5	65.0	61.8	65.9	72.4	80.4	89.4	98.6	107	115	121	124	120	114
75	92.5	89.9	86.8	83.4	79.8	76.4	73.4	71.3	71.2	72.0	73.7	76.3	80.5	86.1	91.5	96.0	99.0	96.1	91.6
80	70.2	67.4	64.7	64.0	65.3	67.0	68.7	70.0	68.7	66.9	65.0	63.3	62.7	63.4	64.4	65.4	66.3	66.1	65.7
85	42.6	44.6	46.2	45.9	43.7	41.1	38.7	36.6	37.5	39.0	40.8	42.7	43.8	44.0	44.0	43.8	43.3	43.0	42.5
90	3.39	4.11	4.76	4.98	4.81	4.61	4.50	4.58	5.86	7.25	8.58	9.65	9.60	8.44	7.12	5.90	5.01	6.36	8.01
95	50.8	52.3	54.0	55.5	56.9	58.6	60.5	62.8	66.7	70.9	75.0	78.9	82.0	84.2	85.7	86.6	86.7	85.9	84.4
100	247	252	258	263	266	271	277	284	299	315	330	344	353	357	357	355	352	346	339
105	610	614	616	617	616	617	619	625	643	664	686	706	720	727	731	732	730	728	724
110	989	1003	1018	1032	1046	1061	1076	1091	1111	1131	1149	1166	1177	1182	1185	1185	1183	1185	1185
115	1546	1551	1554	1549	1535	1521	1510	1503	1521	1543	1568	1592	1608	1615	1618	1619	1618	1618	1617
120	1948	1952	1954	1949	1938	1927	1918	1913	1930	1950	1972	1994	2008	2013	2016	2016	2015	2016	2016
125	2309	2313	2315	2311	2302	2294	2288	2285	2301	2321	2342	2361	2373	2375	2375	2373	2370	2373	2375
130	2629	2634	2636	2635	2631	2627	2624	2624	2638	2654	2671	2687	2696	2699	2699	2698	2697	2699	2701
135	2918	2921	2924	2925	2923	2922	2922	2924	2935	2947	2960	2972	2979	2982	2983	2983	2983	2985	2986
140	3171	3173	3176	3178	3179	3180	3183	3186	3194	3202	3211	3219	3224	3227	3229	3230	3230	3232	3233
145	3389	3393	3396	3399	3401	3404	3406	3410	3416	3422	3429	3435	3439	3441	3442	3443	3443	3445	3446
150	3576	3579	3582	3585	3588	3591	3594	3598	3603	3608	3613	3618	3621	3622	3623	3624	3624	3625	3626
155	3735	3737	3739	3741	3743	3745	3748	3750	3755	3759	3764	3768	3771	3772	3772	3772	3772	3773	3774
160	3868	3869	3870	3870	3871	3871	3872	3874	3877	3880	3884	3887	3889	3890	3890	3890	3890	3891	3892
165	3967	3968	3968	3968	3968	3968	3968	3968	3970	3972	3974	3977	3978	3979	3979	3979	3979	3980	3981
170	4031	4031	4031	4032	4032	4033	4033	4034	4035	4037	4038	4039	4040	4041	4041	4042	4042	4043	4043
175	4068	4068	4068	4069	4070	4071	4071	4072	4073	4074	4075	4076	4076	4076	4077	4077	4077	4077	4078
180	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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:229.58V I:0.4485A P:98.368W PF:0.9553 Freq:49.99Hz Lamp Flux:13872.8x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 760*240*31						SERIAL No.:		
MFR.:									SUR.:0.71*0.191						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	1095	1095	1094	1094	1094	1094	1094	1094	1094	1093	1093	1094	1095	1096	1097				
5	1086	1086	1085	1085	1085	1085	1085	1084	1083	1083	1083	1084	1084	1084	1086				
10	1062	1061	1060	1060	1059	1059	1058	1057	1057	1056	1056	1055	1056	1057	1058				
15	1023	1022	1020	1019	1018	1017	1017	1015	1014	1013	1012	1012	1012	1012	1013				
20	963	962	960	959	958	956	955	954	952	951	950	949	949	950	951				
25	883	881	880	878	876	875	873	871	870	869	868	867	868	869	870				
30	786	784	782	780	778	776	775	774	773	773	774	775	776	778	780				
35	682	681	679	676	673	671	668	667	666	666	666	666	666	667	667				
40	568	566	565	563	562	560	558	556	553	550	547	544	541	538	536				
45	419	419	420	421	423	425	427	429	431	432	432	431	428	423	417				
50	318	325	329	329	327	324	321	318	315	312	309	307	305	303	301				
55	233	246	250	245	237	227	218	217	216	216	216	215	213	211	208				
60	158	165	162	150	137	125	115	123	134	146	157	163	161	156	147				
65	121	121	112	95.2	78.7	64.7	55.5	68.5	86.1	106	126	139	145	147	145				
70	106	96.8	87.2	78.0	69.8	63.2	59.0	62.6	68.4	75.6	83.5	89.7	94.0	97.7	101				
75	86.1	80.2	75.1	71.2	68.0	65.6	64.2	65.0	66.9	69.6	73.1	76.8	80.9	85.4	90.5				
80	65.0	64.2	63.2	62.0	60.9	60.2	59.9	61.3	63.2	65.3	67.5	69.3	70.4	71.4	72.1				
85	41.9	41.1	40.0	38.5	37.2	36.0	35.3	36.1	37.3	38.7	40.2	41.4	42.1	42.7	43.2				
90	9.68	11.1	11.2	9.79	8.14	6.47	5.03	5.50	6.25	7.10	7.86	8.00	7.42	6.46	5.11				
95	82.2	79.4	75.3	70.3	65.0	59.9	55.2	52.5	50.5	48.9	47.8	46.8	45.8	45.1	44.7				
100	331	323	315	308	301	294	287	279	271	264	257	252	249	246	245				
105	716	706	690	667	644	623	606	607	613	620	628	632	630	626	621				
110	1181	1173	1153	1121	1087	1054	1025	1015	1010	1008	1008	1005	999	993	986				
115	1613	1606	1593	1576	1556	1534	1512	1492	1473	1453	1435	1417	1401	1386	1372				
120	2013	2008	1996	1977	1957	1940	1927	1936	1948	1961	1972	1974	1965	1950	1928				
125	2377	2375	2367	2351	2335	2320	2308	2312	2319	2328	2337	2341	2340	2337	2331				
130	2702	2700	2694	2681	2669	2656	2646	2647	2651	2655	2660	2662	2661	2658	2654				
135	2986	2985	2980	2970	2961	2951	2943	2943	2945	2947	2950	2950	2947	2944	2939				
140	3233	3232	3228	3222	3215	3208	3202	3201	3201	3201	3201	3199	3196	3192	3186				
145	3446	3446	3443	3439	3433	3428	3423	3422	3420	3419	3418	3416	3413	3409	3404				
150	3626	3626	3624	3621	3617	3613	3609	3607	3606	3605	3603	3601	3597	3594	3589				
155	3774	3774	3773	3771	3768	3765	3762	3760	3759	3757	3756	3754	3750	3747	3743				
160	3893	3893	3892	3890	3888	3886	3883	3882	3880	3879	3877	3875	3872	3870	3867				
165	3981	3982	3981	3980	3978	3977	3975	3974	3973	3972	3970	3969	3967	3965	3962				
170	4044	4044	4044	4043	4042	4041	4040	4039	4039	4038	4037	4036	4035	4033	4031				
175	4078	4078	4078	4078	4077	4077	4077	4077	4077	4076	4076	4075	4075	4074	4073				
180	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085	4085				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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: