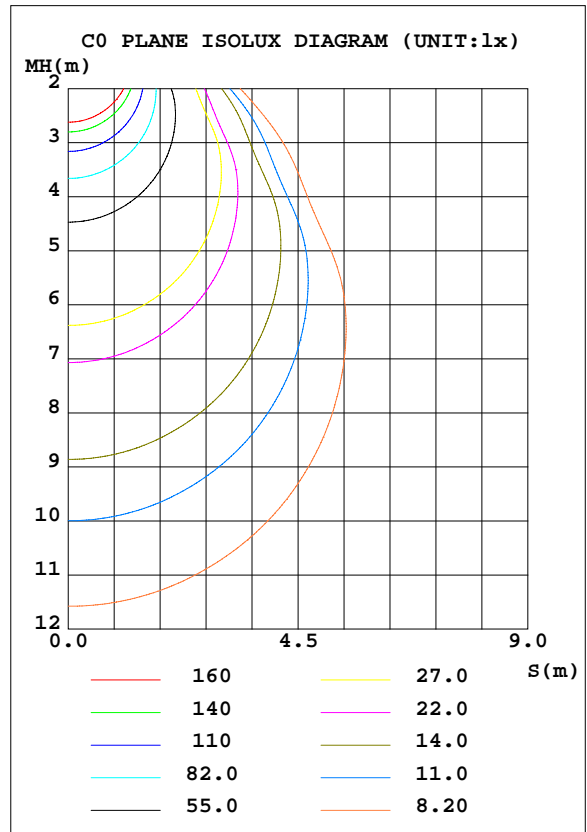
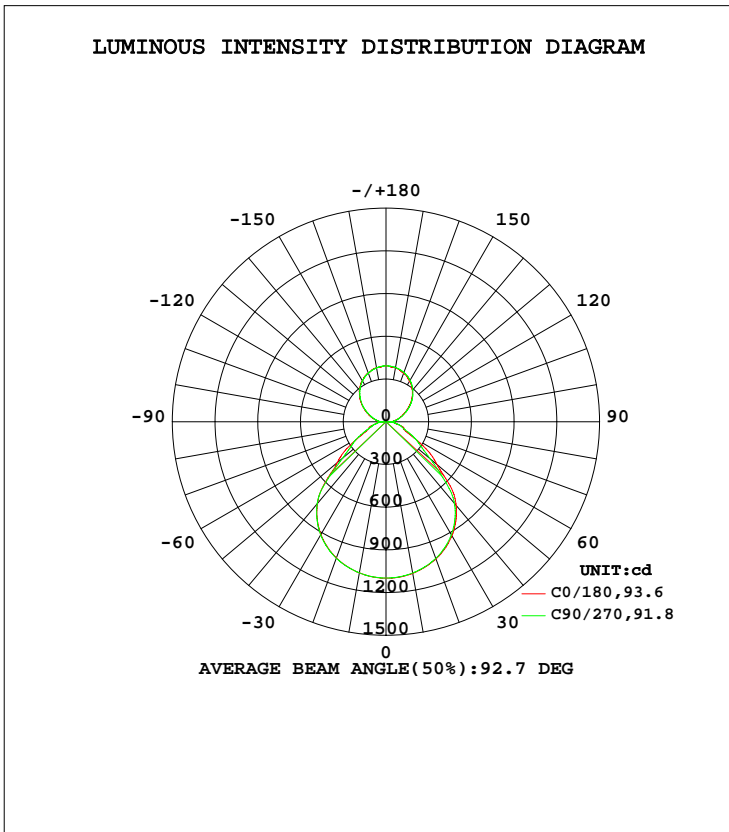


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.43 lm/W			
MODEL		I _{max} (cd)	1099	S/MH(C0/180)	1.24
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	3625.6	η UP, DN(C0-180)	16.6,33.7
NOMINAL FLUX(lm)	3625.58	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	16.2,33.5
LAMPS INSIDE	1	η up(%)	32.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	67.3	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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:

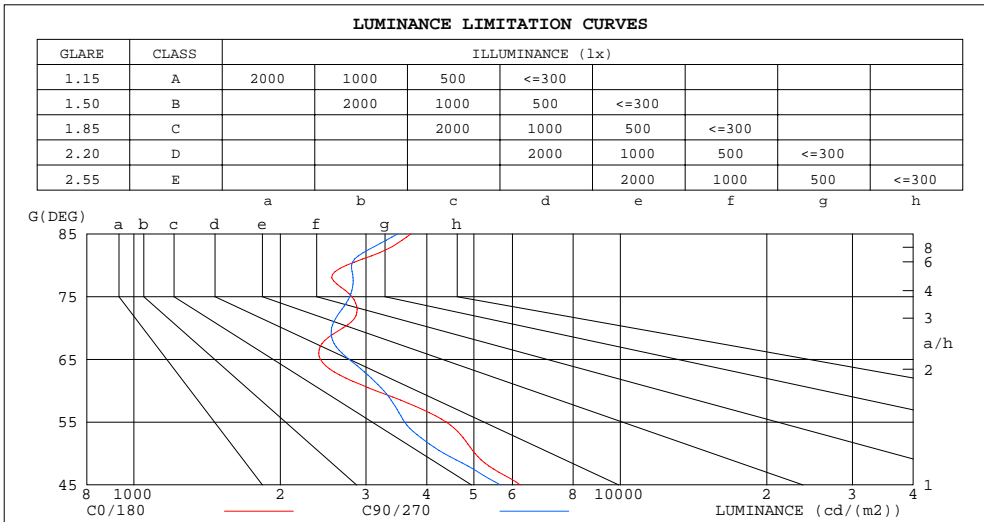
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	1081	1080	1079	1077	1078	1077	1078	1079	0- 10	103.9	103.9	2.87,2.87
20	1025	1025	1022	1019	1018	1019	1020	1023	10- 20	297.6	401.5	11.1,11.1
30	925.3	923.3	917.6	915.0	914.5	915.4	917.4	922.8	20- 30	449.5	851.0	23.5,23.5
40	766.9	759.9	747.8	746.0	749.3	747.8	751.8	761.9	30- 40	527.2	1378	38,38
50	468.5	424.0	404.6	429.9	447.2	414.4	397.0	441.4	40- 50	460.1	1838	50.7,50.7
60	227.6	257.4	236.6	202.3	223.5	244.8	236.3	203.4	50- 60	288.2	2126	58.7,58.7
70	133.4	121.4	126.4	122.9	126.2	121.2	117.1	129.4	60- 70	162.5	2289	63.1,63.1
80	68.90	72.07	70.56	73.37	70.04	65.64	66.03	69.78	70- 80	103.7	2393	66,66
90	8.746	9.863	7.302	5.163	4.605	4.021	5.636	7.560	80- 90	46.41	2439	67.3,67.3
100	71.94	73.92	75.45	75.15	72.76	69.30	69.73	70.28	90-100	57.83	2497	68.9,68.9
110	116.3	120.5	122.1	120.8	118.4	114.4	112.4	114.2	100-110	99.27	2596	71.6,71.6
120	173.1	177.6	178.8	178.1	174.1	171.7	169.4	169.3	110-120	143.2	2739	75.6,75.6
130	233.7	236.9	239.0	238.3	235.3	231.9	231.2	229.7	120-130	182.8	2922	80.6,80.6
140	289.3	290.8	293.4	293.7	290.5	288.6	286.4	285.9	130-140	202.8	3125	86.2,86.2
150	331.8	334.5	337.9	335.9	332.7	330.9	331.2	330.3	140-150	195.6	3320	91.6,91.6
160	363.7	366.1	368.9	366.4	364.6	362.6	364.2	362.6	150-160	161.8	3482	96,96
170	385.1	386.2	387.1	387.1	386.3	384.1	384.4	385.2	160-170	106.3	3589	99,99
180	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9	170-180	37.04	3626	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:2025-05-23

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:

LUMINANCE LIMITATION CURVES

Test:U:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3713	3489
80	2736	2802
75	2806	2779
70	2691	2550
65	2418	2769
60	3140	3263
55	4385	3602
50	5026	4341
45	6226	5671

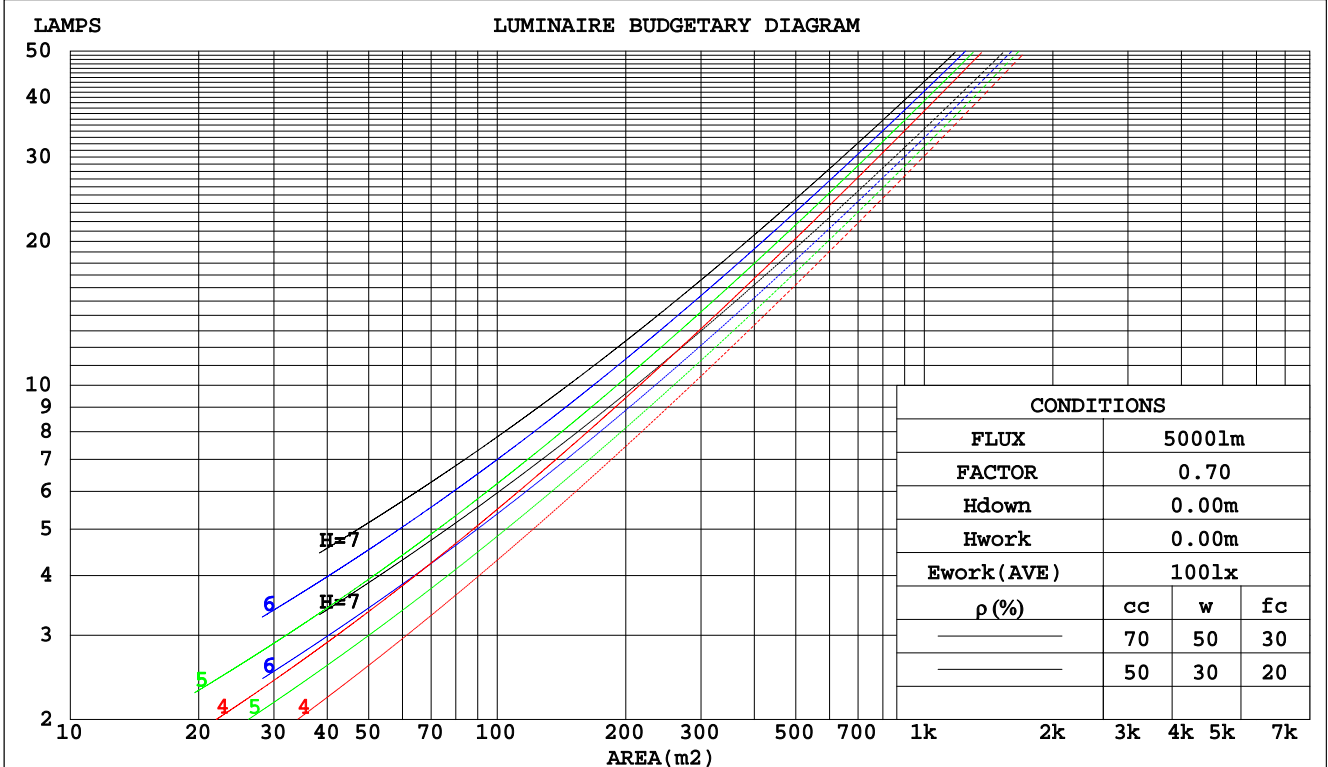
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	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	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.82	.82	.82	.72	.72	.72	.67
1.0	.98	.94	.91	.93	.89	.87	.83	.80	.78	.73	.71	.70	.65	.63	.62	.58
2.0	.87	.81	.76	.82	.77	.73	.73	.69	.66	.65	.62	.60	.58	.56	.54	.50
3.0	.77	.70	.64	.73	.67	.62	.66	.61	.57	.59	.55	.52	.52	.49	.47	.43
4.0	.69	.61	.55	.66	.59	.53	.59	.53	.49	.53	.49	.45	.47	.44	.41	.38
5.0	.62	.54	.48	.59	.52	.46	.53	.47	.43	.48	.43	.40	.43	.39	.36	.34
6.0	.56	.48	.42	.53	.46	.41	.48	.42	.38	.44	.39	.35	.39	.35	.32	.30
7.0	.51	.43	.38	.49	.41	.36	.44	.38	.34	.40	.35	.31	.36	.32	.29	.27
8.0	.47	.39	.34	.44	.37	.33	.41	.35	.30	.37	.32	.28	.33	.29	.26	.24
9.0	.43	.35	.30	.41	.34	.29	.37	.32	.27	.34	.29	.26	.31	.27	.24	.22
10.0	.39	.32	.27	.38	.31	.27	.35	.29	.25	.32	.27	.23	.29	.25	.22	.20



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.269	.153	.048	.252	.144	.046	.220	.126	.040	.191	.110	.035	.164	.095	.031	
2.0	.251	.137	.042	.236	.130	.040	.207	.115	.036	.181	.101	.032	.156	.089	.028	
3.0	.233	.124	.037	.219	.118	.035	.194	.105	.032	.170	.093	.028	.147	.082	.025	
4.0	.217	.113	.033	.204	.107	.032	.181	.096	.029	.159	.085	.026	.138	.075	.023	
5.0	.202	.103	.030	.191	.098	.029	.169	.088	.026	.149	.079	.023	.130	.070	.021	
6.0	.189	.095	.027	.179	.090	.026	.159	.081	.024	.140	.073	.021	.123	.065	.019	
7.0	.177	.088	.025	.168	.083	.024	.149	.075	.022	.132	.068	.020	.116	.060	.018	
8.0	.167	.081	.023	.158	.078	.022	.141	.070	.020	.125	.063	.018	.109	.056	.016	
9.0	.157	.076	.021	.149	.072	.020	.133	.066	.019	.118	.059	.017	.104	.053	.015	
10.0	.148	.071	.020	.141	.068	.019	.126	.062	.017	.112	.056	.016	.099	.050	.014	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.440	.440	.440	.376	.376	.376	.257	.257	.257	.147	.147	.147	.047	.047	.047	
1.0	.429	.408	.389	.367	.350	.335	.251	.241	.232	.144	.139	.135	.046	.045	.044	
2.0	.420	.385	.356	.360	.332	.308	.246	.229	.215	.142	.133	.126	.046	.043	.041	
3.0	.412	.369	.334	.353	.318	.290	.242	.221	.203	.140	.129	.120	.045	.042	.039	
4.0	.404	.356	.319	.347	.307	.277	.239	.214	.195	.138	.126	.115	.044	.041	.038	
5.0	.398	.346	.308	.341	.299	.268	.235	.209	.189	.136	.123	.112	.044	.040	.037	
6.0	.391	.338	.300	.336	.293	.261	.232	.205	.185	.135	.121	.110	.043	.039	.036	
7.0	.385	.332	.294	.331	.287	.256	.229	.202	.182	.133	.119	.108	.043	.039	.036	
8.0	.379	.326	.290	.327	.283	.252	.226	.199	.179	.131	.117	.107	.043	.038	.035	
9.0	.374	.322	.286	.322	.279	.250	.223	.196	.177	.130	.116	.106	.042	.038	.035	
10.0	.369	.318	.283	.318	.276	.247	.221	.194	.176	.129	.115	.105	.042	.038	.035	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 450*82			SERIAL No.:				
MFR.:			SUR.:3.14*0.215*0.215			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	15.4	16.4	16.1	17.1	17.9	15.1	16.1	15.7	16.7	17.5
3H	16.1	17.0	16.8	17.7	18.6	15.6	16.5	16.3	17.2	18.0
4H	16.5	17.4	17.2	18.1	19.0	16.1	16.9	16.8	17.7	18.5
6H	16.8	17.6	17.5	18.3	19.2	16.5	17.3	17.2	18.0	18.9
8H	17.0	17.7	17.7	18.5	19.4	16.7	17.5	17.4	18.2	19.1
12H	17.1	17.9	17.9	18.6	19.6	16.9	17.6	17.6	18.4	19.3
4H 2H	15.5	16.4	16.3	17.1	18.0	15.2	16.1	15.9	16.8	17.6
3H	16.5	17.2	17.2	18.0	18.9	16.0	16.7	16.7	17.4	18.4
4H	17.0	17.7	17.8	18.4	19.4	16.6	17.3	17.4	18.1	19.0
6H	17.4	18.0	18.2	18.8	19.7	17.3	17.8	18.1	18.6	19.6
8H	17.6	18.2	18.5	19.0	20.0	17.5	18.1	18.3	18.9	19.9
12H	17.9	18.4	18.8	19.2	20.3	17.8	18.3	18.6	19.1	20.1
8H 4H	17.1	17.6	17.9	18.4	19.4	16.8	17.3	17.6	18.1	19.1
6H	17.6	18.1	18.5	18.9	19.9	17.6	18.0	18.4	18.9	19.9
8H	18.0	18.4	18.9	19.3	20.3	18.0	18.4	18.9	19.3	20.3
12H	18.5	18.8	19.3	19.7	20.8	18.4	18.8	19.3	19.6	20.7
12H 4H	17.1	17.6	17.9	18.4	19.4	16.8	17.3	17.6	18.1	19.1
6H	17.7	18.1	18.6	18.9	20.0	17.6	18.0	18.5	18.9	19.9
8H	18.1	18.5	19.0	19.3	20.4	18.1	18.5	19.0	19.3	20.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.5				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.8 / - 0.9					+ 0.8 / - 0.8				

CIE Pub.117, 3626 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.5)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	Shielding Angle:

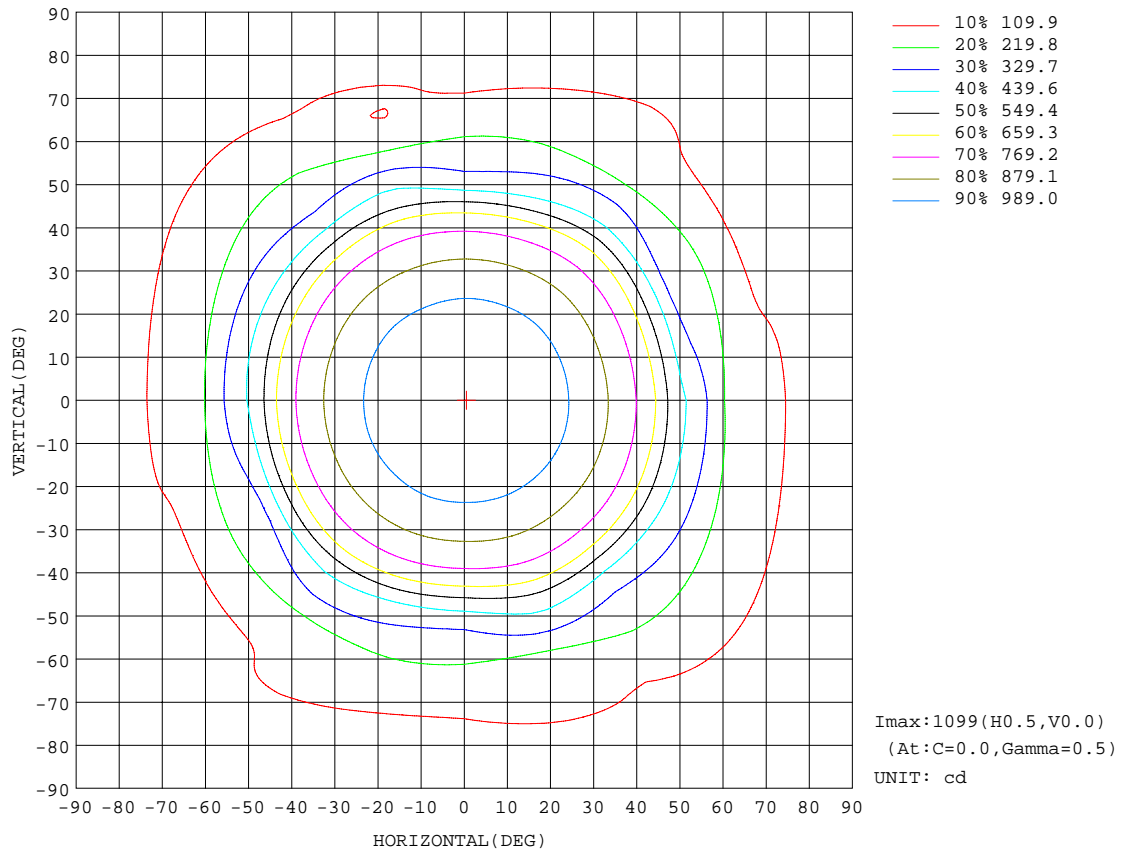
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	43	37	51	42	36	48	40	35	28
0.80	63	52	45	60	51	44	56	48	43	34
1.00	70	60	53	67	58	52	62	56	49	40
1.25	77	67	60	74	65	59	67	60	55	44
1.50	82	72	66	78	70	64	71	64	60	47
2.00	88	80	73	84	76	71	76	70	66	52
2.50	92	84	78	87	80	75	78	73	69	54
3.00	95	88	82	90	84	79	81	76	73	56
4.00	99	93	88	93	88	84	84	80	77	58
5.00	101	96	92	95	91	88	85	82	79	60
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:2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	Shielding Angle:

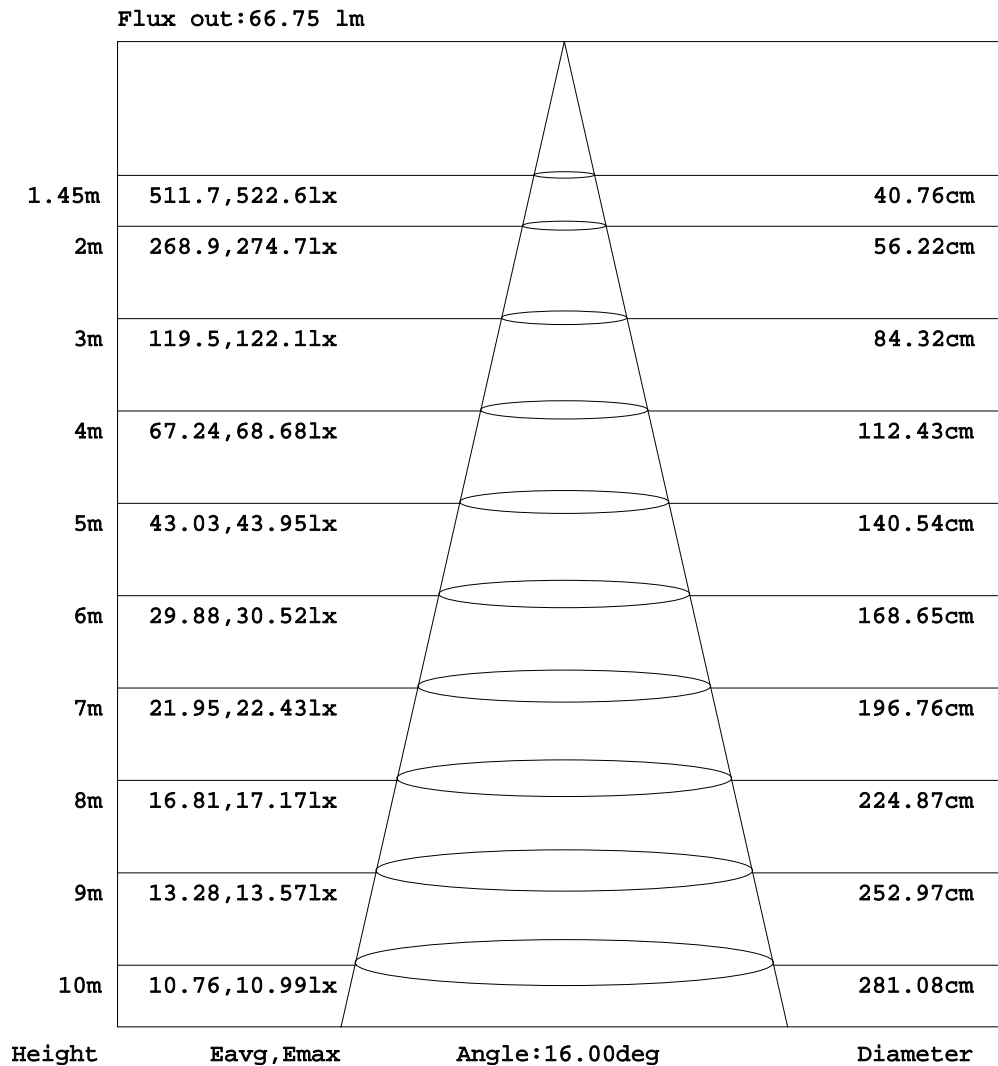


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	Shielding Angle:



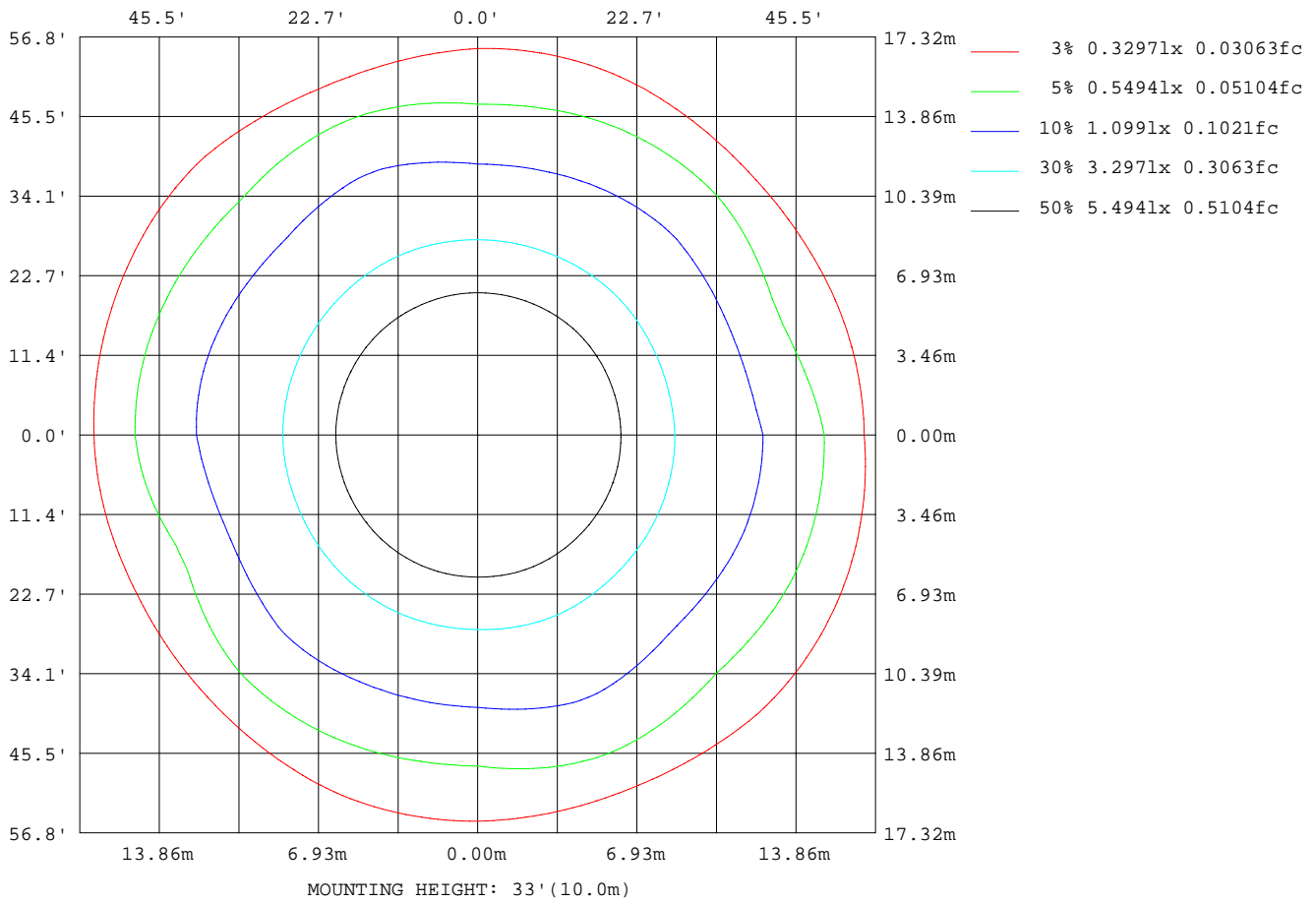
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	Shielding Angle:

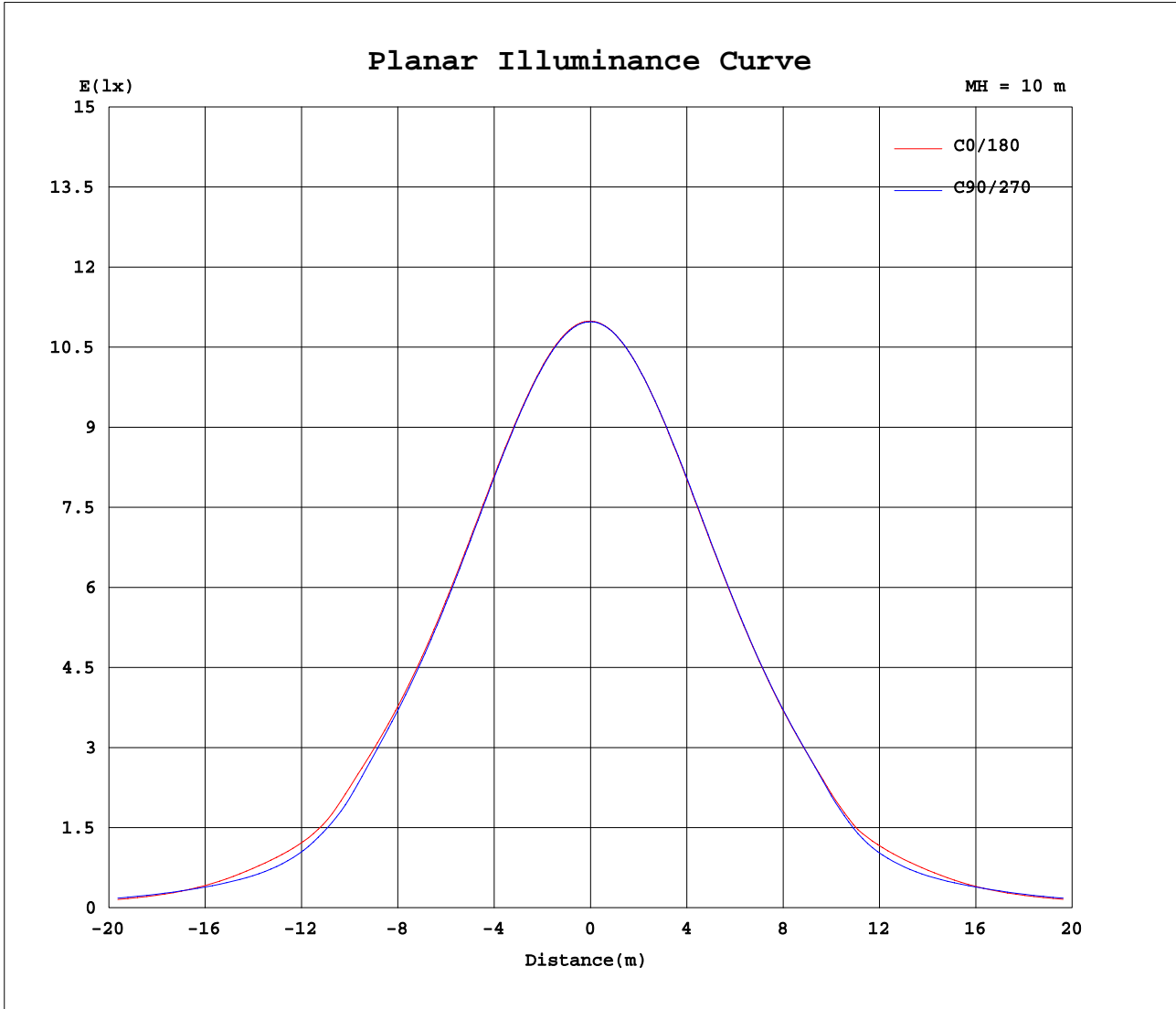
AvgL	cd/m2
L_0~180(65)av	2427
L_0~180(75)av	2695
L_0~180(85)av	3590
L_90~270(65)av	2748
L_90~270(75)av	2654
L_90~270(85)av	3441
L_45(65)av	2541
L_45(75)av	2707
L_45(85)av	3548

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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: 2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	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	1099	1099	1099	1099	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098
5	1095	1095	1095	1095	1095	1095	1095	1095	1094	1094	1094	1094	1094	1094	1094	1094	1093	1093	1093
10	1081	1081	1082	1082	1082	1082	1081	1081	1081	1080	1080	1080	1080	1080	1080	1080	1079	1079	1079
15	1057	1058	1058	1058	1058	1058	1058	1058	1057	1057	1057	1057	1057	1056	1056	1056	1055	1055	1055
20	1025	1025	1026	1026	1026	1026	1026	1026	1025	1025	1025	1024	1024	1024	1023	1023	1022	1022	1022
25	981	982	982	983	983	982	982	981	981	980	980	980	980	979	979	978	977	976	976
30	925	926	926	927	926	926	925	925	924	923	923	923	923	923	922	921	920	919	918
35	854	855	856	856	856	855	854	853	852	851	851	851	852	852	851	849	847	845	843
40	767	767	768	767	767	766	764	763	761	760	761	762	764	764	763	759	755	751	748
45	638	638	636	634	631	626	619	613	608	605	611	618	625	630	627	616	604	592	581
50	468	468	467	464	461	454	444	435	428	424	434	447	458	468	466	453	437	420	405
55	365	365	364	362	358	351	341	331	323	317	325	335	345	352	351	339	325	312	300
60	228	237	245	252	257	260	262	262	261	257	249	241	232	225	222	224	228	232	237
65	148	160	169	177	182	186	188	188	185	180	167	153	139	128	127	135	146	158	170
70	133	140	145	147	148	145	140	134	127	121	120	119	120	121	122	122	123	125	126
75	105	106	106	105	105	104	102	101	100	100.0	104	108	112	115	116	114	111	108	104
80	68.9	66.6	65.0	64.0	63.7	64.3	65.8	67.8	69.9	72.1	73.8	75.3	76.5	77.2	76.9	75.6	74.0	72.2	70.6
85	46.9	48.0	48.7	49.2	49.4	49.2	48.6	47.8	47.1	46.5	46.8	47.3	47.8	48.1	47.8	46.9	45.9	44.9	44.1
90	8.75	8.95	9.14	9.31	9.45	9.61	9.76	9.87	9.91	9.86	9.56	9.19	8.78	8.37	8.05	7.85	7.66	7.49	7.30
95	53.7	53.8	53.9	54.0	54.1	54.3	54.4	54.6	54.7	54.9	55.0	55.2	55.4	55.5	55.6	55.8	55.9	56.0	56.1
100	71.9	72.1	72.4	72.6	72.8	73.0	73.3	73.5	73.7	73.9	74.1	74.2	74.3	74.4	74.6	74.8	75.1	75.3	75.4
105	92.9	93.3	93.6	94.0	94.4	94.7	95.1	95.5	95.8	96.1	96.3	96.5	96.6	96.7	96.9	97.1	97.3	97.5	97.7
110	116	117	117	118	118	119	119	120	120	121	121	121	121	121	121	121	122	122	122
115	143	144	144	145	145	146	146	147	147	148	148	148	148	148	149	149	149	149	149
120	173	173	174	174	175	175	176	177	177	178	178	178	178	178	178	179	179	179	179
125	204	204	205	205	205	206	206	207	208	208	208	208	209	209	209	209	209	209	209
130	234	234	235	235	235	236	236	236	237	237	237	237	238	238	238	238	239	239	239
135	262	262	262	263	263	263	264	265	265	266	266	266	266	267	267	267	267	267	267
140	289	289	289	289	289	289	290	290	290	291	291	291	292	292	292	293	293	293	293
145	312	312	313	313	313	314	315	315	315	316	315	315	314	314	314	315	315	316	317
150	332	332	332	333	333	333	334	334	334	334	335	335	335	336	336	337	337	338	338
155	351	351	351	351	351	351	352	352	353	353	353	354	354	354	354	355	355	355	355
160	364	364	364	365	365	365	365	366	366	366	366	367	367	367	368	368	368	369	369
165	376	377	377	377	377	377	377	377	377	377	377	377	377	377	377	378	378	379	379
170	385	385	385	385	385	385	385	386	386	386	386	386	385	385	385	385	386	387	387
175	387	388	389	389	390	390	390	390	389	389	389	389	389	389	389	390	391	391	392
180	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	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	1098	1098	1098	1098	1098	1098	1098	1098	1098	1097	1097	1097	1097	1098	1098	1098	1099	1099	1099
5	1093	1093	1093	1093	1093	1093	1092	1092	1092	1092	1092	1092	1092	1092	1092	1093	1093	1093	1093
10	1079	1079	1079	1079	1079	1078	1078	1077	1077	1077	1077	1077	1077	1077	1077	1077	1078	1078	1078
15	1055	1055	1055	1055	1055	1054	1054	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053
20	1022	1022	1022	1022	1021	1021	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1018	1018
25	976	976	976	976	976	975	975	974	973	973	973	973	973	973	973	973	973	972	972
30	917	918	918	918	918	917	916	916	915	914	914	913	913	913	913	914	914	915	914
35	843	843	844	844	844	843	842	841	841	840	839	838	838	838	839	840	841	842	841
40	747	747	747	748	748	748	748	747	746	744	742	741	739	740	742	745	747	749	749
45	580	582	584	588	591	594	596	597	597	592	587	581	577	578	584	591	598	604	604
50	401	400	402	405	411	418	424	428	430	416	401	387	375	377	393	411	430	447	451
55	299	301	304	309	314	318	322	323	322	308	293	279	269	273	289	309	330	348	350
60	238	238	237	235	230	222	215	208	202	204	207	211	215	218	220	221	222	223	226
65	176	179	181	180	174	163	151	140	131	133	137	143	149	151	151	150	149	149	156
70	129	132	134	136	136	134	131	128	123	115	107	99.6	94.3	94.8	101	109	118	126	131
75	103	101	100	99.8	100.0	101	102	102	103	101	98.4	96.1	94.0	93.2	93.9	94.9	96.0	96.9	96.0
80	69.8	69.2	69.0	69.0	69.5	70.5	71.5	72.5	73.4	73.4	73.2	72.8	72.3	71.9	71.5	71.1	70.6	70.0	69.2
85	44.2	44.6	45.0	45.5	45.9	46.0	46.1	46.0	45.9	45.4	44.9	44.3	43.8	43.6	43.6	43.6	43.7	43.8	43.8
90	7.03	6.75	6.47	6.19	5.94	5.71	5.51	5.32	5.16	5.05	4.95	4.88	4.82	4.77	4.73	4.70	4.66	4.60	4.50
95	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.1	55.9	55.7	55.5	55.3	55.0	54.8	54.6	54.4	54.2	54.0
100	75.5	75.4	75.3	75.3	75.2	75.2	75.2	75.2	75.2	74.9	74.6	74.3	74.0	73.7	73.5	73.2	73.0	72.8	72.6
105	97.6	97.5	97.3	97.2	97.1	97.1	97.1	97.0	96.9	96.7	96.5	96.2	95.9	95.7	95.4	95.2	94.9	94.7	94.3
110	122	122	122	121	121	121	121	121	121	121	120	120	120	120	119	119	119	118	118
115	149	149	149	149	149	149	149	148	148	148	148	147	147	146	146	146	146	145	145
120	179	179	178	178	178	178	178	178	178	178	177	177	176	175	175	175	174	174	174
125	209	209	209	208	208	209	209	209	209	208	208	207	207	206	206	205	205	205	205
130	239	238	238	238	238	238	238	238	238	238	238	238	237	237	236	236	236	235	235
135	267	267	266	266	266	266	266	266	266	266	266	266	265	265	265	264	264	263	263
140	293	293	293	293	293	293	293	294	294	293	293	292	291	291	291	291	291	290	290
145	317	317	317	316	316	316	316	316	316	316	315	315	314	314	314	314	314	314	314
150	337	337	336	336	335	335	336	336	336	336	335	335	334	334	334	333	333	333	333
155	355	354	354	353	353	353	354	354	354	354	354	353	353	352	353	353	353	353	352
160	369	369	369	368	368	368	367	367	366	366	366	366	366	366	366	365	365	365	365
165	380	380	380	379	379	378	378	377	377	377	376	376	376	377	377	378	378	378	378
170	387	387	387	387	387	387	387	387	387	387	387	387	387	386	386	386	386	386	386
175	391	390	390	389	389	389	390	390	390	390	389	388	387	387	387	387	387	388	388
180	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	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	1099	1099	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098
5	1093	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1093	1093	1093	1093	1093
10	1077	1077	1077	1077	1077	1077	1077	1077	1077	1077	1077	1077	1077	1077	1077	1078	1078	1078	1078
15	1053	1052	1052	1052	1052	1052	1053	1053	1052	1052	1052	1052	1052	1052	1052	1053	1053	1054	1054
20	1018	1018	1018	1018	1018	1019	1019	1019	1019	1018	1018	1017	1018	1018	1019	1020	1020	1021	1021
25	972	972	972	972	973	973	973	974	973	973	972	972	972	973	973	974	975	975	975
30	914	914	914	914	914	915	915	915	915	915	914	914	914	915	916	917	917	918	918
35	841	840	840	840	840	840	841	841	842	842	842	842	843	843	843	843	844	844	844
40	749	748	747	746	746	747	747	748	750	752	753	755	755	755	754	753	752	751	751
45	602	599	596	592	589	587	585	585	592	600	608	614	615	611	605	599	593	592	592
50	451	448	443	437	429	422	417	414	425	438	450	459	457	444	427	411	397	397	399
55	348	343	337	329	322	315	310	306	313	322	331	338	337	328	317	307	298	300	304
60	230	233	236	239	243	245	246	245	237	227	218	211	210	215	222	229	236	238	239
65	163	170	176	181	182	182	179	174	160	145	132	121	120	129	141	154	167	173	177
70	134	136	136	135	132	129	125	121	118	116	114	112	112	112	113	115	117	122	128
75	94.9	93.8	93.0	93.4	95.0	96.9	98.9	101	102	103	104	104	103	101	98.9	96.8	95.0	94.8	95.0
80	68.2	67.3	66.5	65.9	65.5	65.3	65.3	65.6	66.9	68.4	69.7	70.8	70.9	69.9	68.7	67.3	66.0	65.5	65.3
85	43.7	43.5	43.4	43.2	42.9	42.7	42.5	42.3	42.4	42.6	42.8	43.0	43.0	42.9	42.8	42.8	42.9	43.6	44.5
90	4.39	4.28	4.17	4.09	4.03	4.00	3.99	4.02	4.12	4.25	4.41	4.59	4.77	4.96	5.17	5.39	5.64	5.94	6.26
95	53.8	53.5	53.3	52.9	52.5	52.0	51.6	51.3	51.1	51.0	51.0	51.0	51.1	51.1	51.2	51.3	51.4	51.6	51.8
100	72.4	72.2	71.9	71.5	70.9	70.4	69.8	69.3	69.0	68.8	68.7	68.7	68.8	69.0	69.2	69.5	69.7	69.9	70.0
105	93.9	93.5	93.1	92.7	92.1	91.6	91.1	90.7	90.3	89.9	89.7	89.4	89.4	89.4	89.5	89.6	89.8	89.9	90.0
110	117	117	116	116	115	115	115	114	114	113	113	112	112	112	112	112	112	113	113
115	144	144	143	142	142	141	140	140	139	139	139	138	138	138	138	139	139	139	140
120	173	173	172	172	172	172	172	172	171	170	169	169	168	169	169	169	169	169	169
125	205	206	206	205	204	203	201	200	200	200	200	200	200	201	201	201	201	201	201
130	235	235	235	235	234	233	233	232	232	232	232	232	232	231	231	231	231	231	232
135	262	262	261	260	260	259	259	258	259	259	260	261	261	261	260	260	260	259	259
140	290	289	289	289	288	289	289	289	288	288	288	288	287	287	287	287	286	286	285
145	314	313	313	312	312	311	310	310	310	310	311	311	311	311	311	311	311	310	310
150	333	332	332	332	332	332	331	331	331	330	330	330	330	331	331	331	331	331	331
155	351	351	350	350	350	350	351	351	350	350	349	349	348	349	349	349	349	349	349
160	365	365	364	364	364	363	363	363	363	363	363	364	364	364	364	364	364	364	365
165	377	376	376	375	375	375	375	375	375	375	374	374	374	374	375	375	376	376	376
170	386	386	386	386	385	385	384	384	384	384	384	384	384	384	384	384	384	384	384
175	388	389	389	389	389	389	389	390	390	390	390	390	390	390	390	390	390	390	389
180	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-23

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:229.64V I:0.1225A P:27.798W PF:0.9880 Freq:49.99Hz Lamp Flux:3625.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 450*82	SERIAL No.:
MFR.:	SUR.:3.14*0.215*0.215	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	1098	1098	1098	1098	1098	1098	1098	1097	1097	1097	1097	1098	1098	1098	1098				
5	1093	1093	1093	1093	1093	1093	1093	1093	1093	1093	1093	1093	1094	1094	1094				
10	1078	1078	1078	1078	1079	1079	1079	1079	1079	1079	1079	1079	1079	1080	1080				
15	1054	1054	1054	1055	1055	1055	1056	1056	1056	1056	1056	1056	1056	1056	1057				
20	1021	1021	1021	1022	1022	1023	1023	1024	1024	1024	1024	1024	1024	1025	1025				
25	975	976	976	977	978	979	980	980	980	980	979	979	980	980	981				
30	918	918	919	920	921	922	923	923	922	922	922	922	922	923	924				
35	844	844	845	847	848	850	851	850	849	848	847	847	848	850	852				
40	751	752	753	756	758	760	762	761	759	757	755	755	757	759	763				
45	594	597	603	611	620	627	632	626	618	611	604	602	606	614	624				
50	405	412	419	427	433	438	441	434	426	418	412	412	419	431	448				
55	310	317	323	328	331	333	332	318	304	291	281	281	292	309	333				
60	237	235	230	222	215	208	203	207	212	218	225	229	230	231	230				
65	179	178	173	164	154	145	137	139	142	147	152	154	154	153	151				
70	133	138	140	140	138	134	129	120	110	101	94.0	92.4	96.8	105	117				
75	95.7	96.7	98.1	99.8	101	102	103	100	97.0	93.9	91.5	90.9	92.5	95.4	99.7				
80	65.2	65.4	66.0	66.8	67.8	68.8	69.8	70.3	70.7	71.0	71.0	71.0	70.7	70.3	69.7				
85	45.3	46.0	46.3	46.0	45.6	45.2	44.7	44.4	44.2	44.2	44.2	44.4	44.8	45.4	46.1				
90	6.56	6.85	7.06	7.19	7.30	7.42	7.56	7.87	8.20	8.51	8.78	8.96	9.01	9.00	8.91				
95	51.9	52.1	52.1	52.1	52.0	52.0	52.1	52.3	52.6	52.9	53.2	53.4	53.6	53.7	53.7				
100	70.1	70.2	70.2	70.2	70.2	70.2	70.3	70.5	70.9	71.2	71.5	71.7	71.9	71.9	72.0				
105	90.1	90.2	90.3	90.5	90.7	90.8	91.1	91.4	91.7	92.1	92.4	92.6	92.8	92.9	92.9				
110	113	113	113	114	114	114	114	114	115	115	115	115	116	116	116				
115	140	141	141	141	140	140	140	140	141	141	141	142	142	142	143				
120	169	169	169	169	169	169	169	170	170	170	171	171	172	172	173				
125	201	201	201	200	200	200	200	201	201	202	202	203	203	203	204				
130	232	232	232	231	230	230	230	230	231	232	232	233	233	234	234				
135	259	258	258	258	258	258	258	259	260	260	261	261	262	262	262				
140	285	285	285	285	285	285	286	286	287	287	288	288	288	289	289				
145	309	309	309	309	309	309	309	309	309	310	310	311	311	311	311				
150	330	330	330	330	330	330	330	331	331	332	332	332	332	332	332				
155	349	349	349	349	350	350	350	350	349	349	349	349	349	349	350				
160	365	365	365	364	364	363	363	363	363	363	363	364	364	364	364				
165	376	376	376	375	374	374	374	374	375	376	377	378	378	377	377				
170	384	383	384	384	385	385	385	385	384	383	382	382	382	383	384				
175	389	388	388	389	389	390	390	391	391	391	391	390	390	389	388				
180	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-05-23

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: