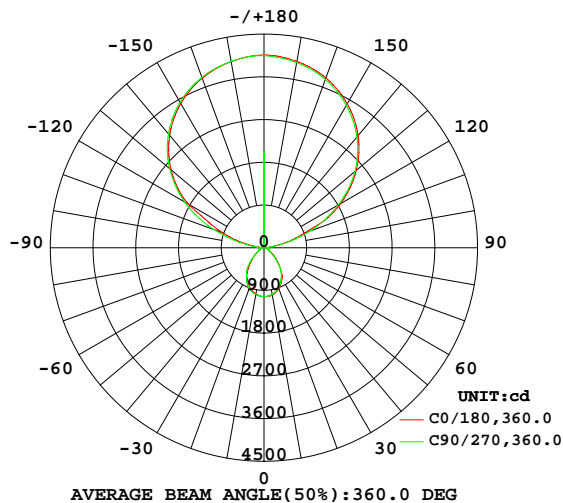


LUMINAIRE PHOTOMETRIC TEST REPORT

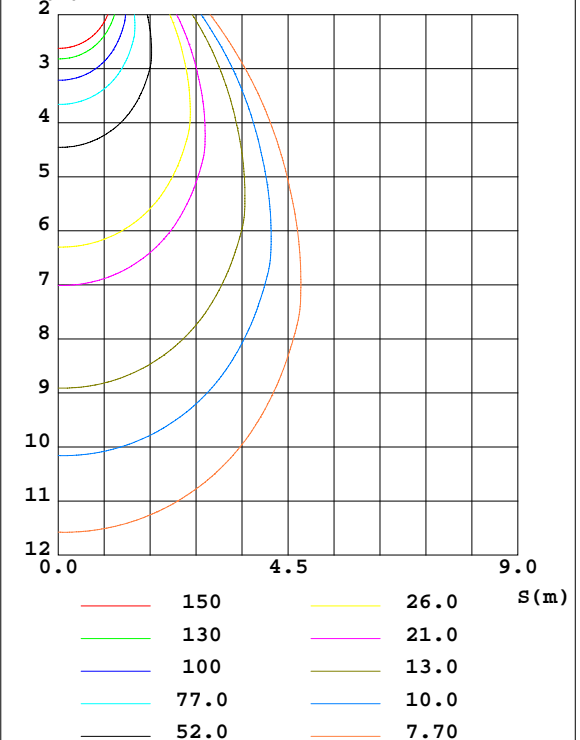
Test:U:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.31 lm/W			
MODEL		Imax(cd)	4060	S/MH(C0/180)	1.08
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.10
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	13379	η UP,DN(C0-180)	42.5,6.9
NOMINAL FLUX(lm)	13378.9	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	43.6,7.0
LAMPS INSIDE	1	η up(%)	86.2	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	13.8	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:

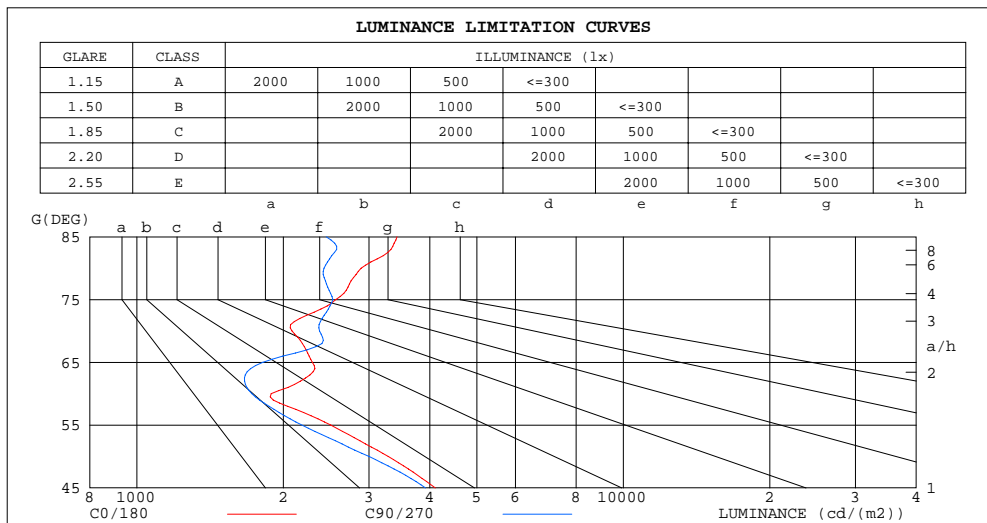
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1008	1004	997.2	992.7	993.8	996.0	1001	1005	0- 10	96.89	96.89	0.72,0.72
20	915.8	907.8	899.8	887.7	890.2	896.8	910.5	914.1	10- 20	270.0	366.9	2.74,2.74
30	755.4	733.5	728.8	712.8	725.9	728.0	743.5	742.6	20- 30	378.5	745.3	5.57,5.57
40	513.3	524.2	510.5	505.3	483.1	521.0	532.3	532.1	30- 40	393.5	1139	8.51,8.51
50	286.3	307.7	261.5	285.4	272.8	303.5	281.1	305.9	40- 50	306.3	1445	10.8,10.8
60	128.0	109.9	116.8	93.57	130.7	115.9	128.5	108.7	50- 60	186.2	1631	12.2,12.2
70	96.61	53.95	110.1	57.93	104.9	58.37	117.4	55.41	60- 70	104.6	1736	13,13
80	68.08	58.59	57.12	57.10	71.11	66.42	62.28	55.95	70- 80	77.80	1814	13.6,13.6
90	2.930	1.443	1.057	1.143	1.976	4.459	4.682	4.493	80- 90	38.43	1852	13.8,13.8
100	223.4	247.1	293.4	247.0	231.1	272.1	337.2	264.3	90-100	92.74	1945	14.5,14.5
110	916.8	971.8	1034	910.2	932.5	974.3	1126	1032	100-110	641.4	2586	19.3,19.3
120	1863	1770	1808	1780	1827	1835	1927	1835	110-120	1407	3993	29.8,29.8
130	2536	2470	2501	2487	2554	2536	2594	2540	120-130	1968	5961	44.6,44.6
140	3085	3038	3046	3048	3093	3096	3131	3103	130-140	2176	8137	60.8,60.8
150	3506	3472	3469	3477	3510	3516	3538	3525	140-150	2068	10205	76.3,76.3
160	3810	3777	3777	3784	3805	3807	3821	3815	150-160	1690	11894	88.9,88.9
170	3986	3960	3962	3969	3983	3978	3987	3989	160-170	1102	12996	97.1,97.1
180	4059	4059	4059	4059	4059	4059	4059	4059	170-180	382.8	13379	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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 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	3427	2450
80	2891	2426
75	2565	2528
70	2083	2373
65	2295	1815
60	1889	1723
55	2503	2185
50	3285	3000
45	4107	3921

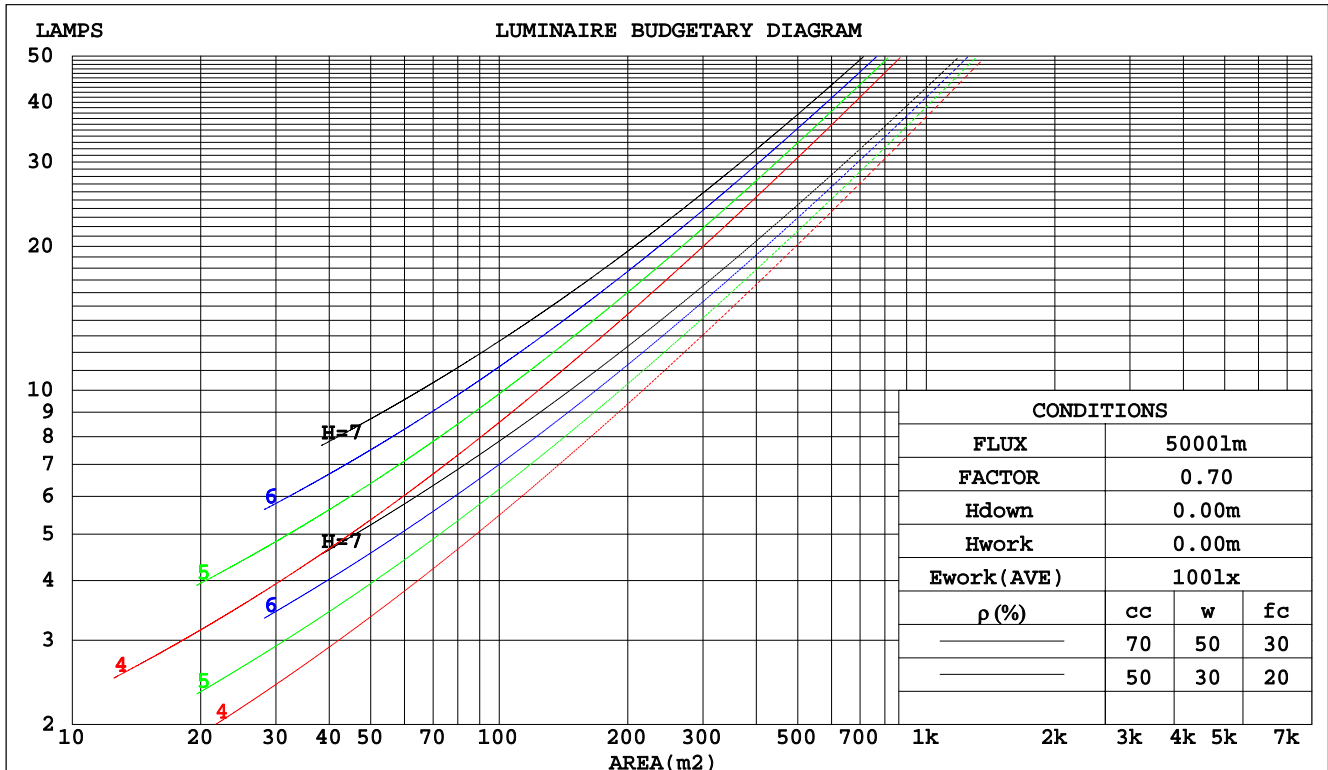
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 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	.55	.54	.52	.37	.36	.35	.20	.20	.20	.12
2.0	.75	.70	.65	.66	.61	.58	.49	.46	.43	.33	.31	.30	.18	.18	.17	.10
3.0	.66	.59	.54	.58	.53	.48	.43	.40	.37	.29	.27	.25	.16	.15	.15	.09
4.0	.59	.51	.46	.52	.46	.41	.38	.34	.31	.26	.24	.22	.15	.14	.13	.08
5.0	.52	.45	.39	.46	.40	.35	.34	.30	.27	.24	.21	.19	.13	.12	.11	.07
6.0	.47	.39	.34	.41	.35	.30	.31	.27	.23	.21	.19	.17	.12	.11	.10	.07
7.0	.42	.35	.29	.37	.31	.26	.28	.24	.21	.19	.17	.15	.11	.10	.09	.06
8.0	.38	.31	.26	.34	.28	.23	.25	.21	.18	.18	.15	.13	.10	.09	.08	.05
9.0	.34	.28	.23	.31	.25	.21	.23	.19	.16	.16	.14	.12	.10	.08	.07	.05
10.0	.31	.25	.20	.28	.22	.18	.21	.17	.14	.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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 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	.107	.062	.020	.055	.032	.010	
2.0	.238	.131	.040	.208	.115	.035	.152	.084	.026	.100	.056	.017	.051	.029	.009	
3.0	.220	.117	.035	.193	.103	.031	.141	.076	.023	.093	.051	.016	.048	.027	.008	
4.0	.204	.106	.031	.179	.094	.028	.131	.069	.021	.086	.046	.014	.045	.024	.007	
5.0	.190	.097	.028	.166	.085	.025	.122	.064	.019	.081	.043	.013	.042	.023	.007	
6.0	.177	.089	.025	.155	.078	.023	.114	.059	.017	.076	.039	.012	.040	.021	.006	
7.0	.166	.082	.023	.145	.072	.021	.107	.054	.016	.071	.036	.011	.037	.019	.006	
8.0	.155	.076	.021	.137	.067	.019	.101	.050	.014	.067	.034	.010	.035	.018	.005	
9.0	.146	.071	.020	.129	.063	.018	.095	.047	.013	.063	.032	.009	.034	.017	.005	
10.0	.138	.066	.018	.121	.059	.016	.090	.044	.012	.060	.030	.008	.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	.847	.847	.847	.724	.724	.724	.494	.494	.494	.284	.284	.284	.091	.091	.091		
1.0	.839	.818	.800	.718	.702	.689	.491	.483	.476	.283	.280	.277	.090	.090	.090		
2.0	.831	.798	.771	.712	.687	.666	.488	.476	.465	.281	.277	.272	.090	.089	.089		
3.0	.825	.784	.751	.707	.676	.651	.485	.470	.457	.280	.274	.269	.090	.089	.088		
4.0	.819	.773	.738	.702	.668	.641	.483	.465	.451	.279	.273	.267	.090	.089	.088		
5.0	.813	.764	.728	.698	.661	.634	.481	.462	.447	.279	.271	.265	.090	.088	.087		
6.0	.807	.757	.722	.694	.656	.628	.479	.459	.445	.278	.270	.264	.090	.088	.087		
7.0	.802	.752	.717	.690	.652	.624	.476	.457	.442	.277	.269	.263	.089	.088	.087		
8.0	.797	.747	.713	.686	.648	.622	.475	.455	.441	.276	.268	.263	.089	.088	.087		
9.0	.792	.743	.710	.682	.645	.619	.473	.453	.440	.275	.268	.262	.089	.088	.087		
10.0	.787	.739	.708	.679	.642	.617	.471	.452	.439	.275	.267	.262	.089	.088	.087		

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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 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	2H	7.3	8.0	8.5	9.2	10.8	7.1	7.8	8.2	8.9	10.5
	3H	8.1	8.7	9.3	9.8	11.5	7.9	8.5	9.1	9.6	11.3
	4H	8.5	9.1	9.7	10.3	11.9	8.4	8.9	9.6	10.1	11.8
	6H	9.2	9.7	10.4	10.9	12.5	8.9	9.4	10.1	10.6	12.3
	8H	9.5	10.0	10.7	11.1	12.8	9.1	9.6	10.3	10.8	12.4
	12H	9.7	10.2	11.0	11.4	13.1	9.2	9.7	10.4	10.9	12.6
4H	2H	7.1	7.6	8.3	8.8	10.5	6.8	7.4	8.0	8.6	10.2
	3H	8.0	8.4	9.2	9.6	11.3	7.8	8.2	9.0	9.4	11.1
	4H	8.6	9.0	9.8	10.2	11.9	8.4	8.9	9.7	10.0	11.7
	6H	9.5	9.9	10.8	11.1	12.8	9.2	9.6	10.4	10.8	12.5
	8H	10.0	10.3	11.2	11.5	13.2	9.5	9.9	10.8	11.1	12.8
	12H	10.3	10.6	11.6	11.8	13.6	9.7	10.0	11.0	11.3	13.0
8H	4H	8.7	9.0	9.9	10.2	11.9	8.5	8.8	9.7	10.0	11.7
	6H	9.8	10.1	11.0	11.3	13.0	9.5	9.8	10.7	11.0	12.7
	8H	10.3	10.6	11.6	11.8	13.5	9.9	10.2	11.2	11.4	13.1
	12H	10.9	11.1	12.1	12.3	14.0	10.2	10.4	11.5	11.7	13.4
12H	4H	8.6	8.9	9.9	10.1	11.9	8.5	8.8	9.7	10.0	11.7
	6H	9.8	10.1	11.1	11.3	13.0	9.6	9.8	10.8	11.0	12.8
	8H	10.4	10.6	11.7	11.8	13.6	10.0	10.2	11.3	11.5	13.2
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, 13379 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.0$)

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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

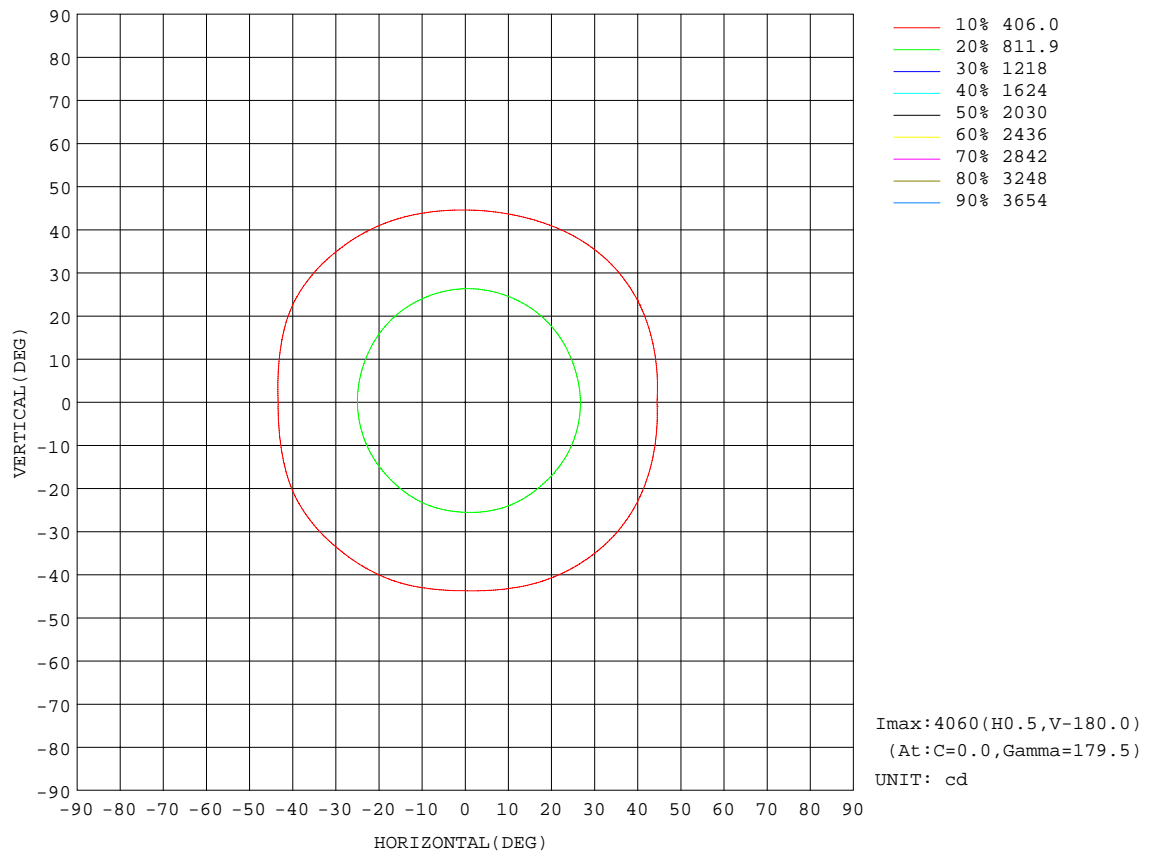
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	35	25	20	32	23	18	25	19	15	6
0.80	45	33	27	40	30	24	30	24	20	8
1.00	52	40	33	46	36	30	35	29	24	9
1.25	58	47	40	52	42	36	39	33	28	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	44	41	11
3.00	79	71	65	69	63	57	51	47	44	12
4.00	83	77	71	73	68	63	54	50	48	12
5.00	86	81	76	75	71	67	56	53	50	12
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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

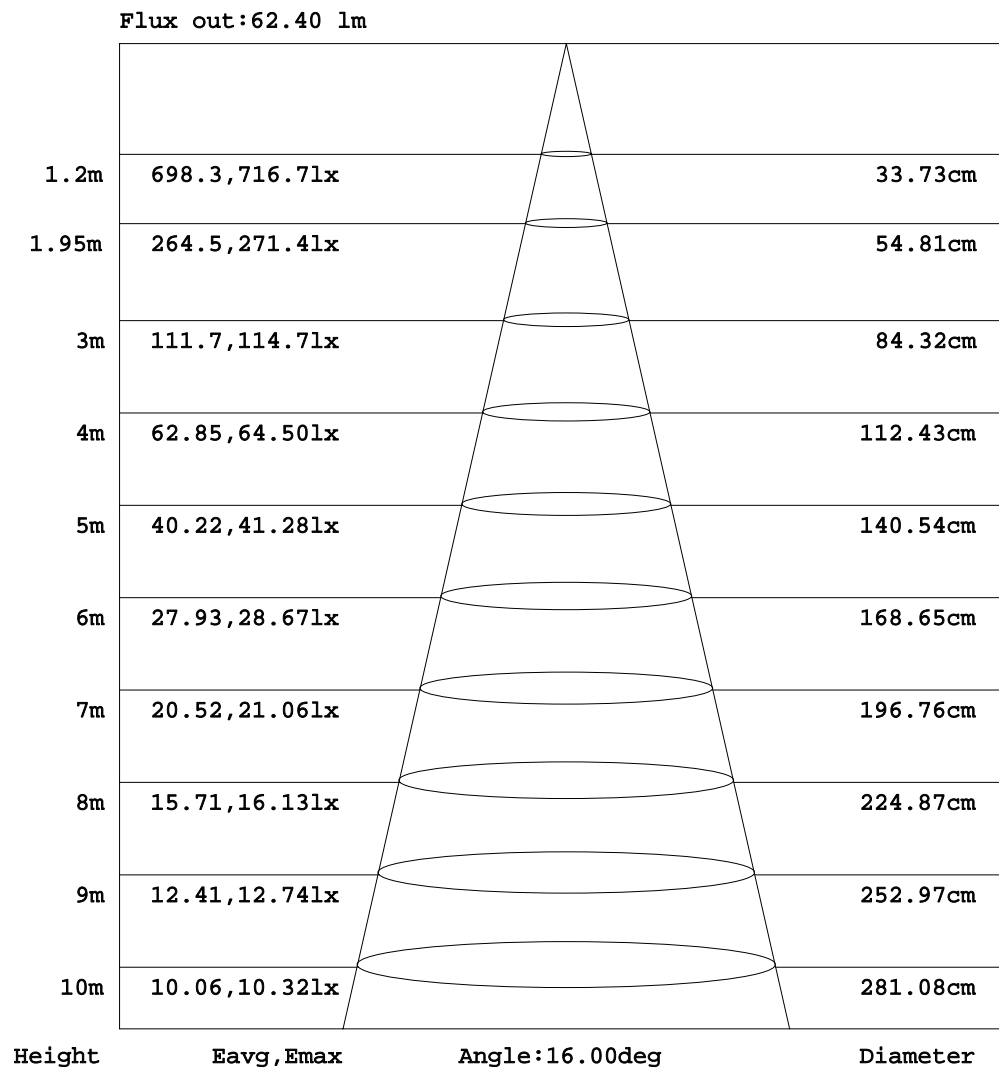


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-05-09

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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:



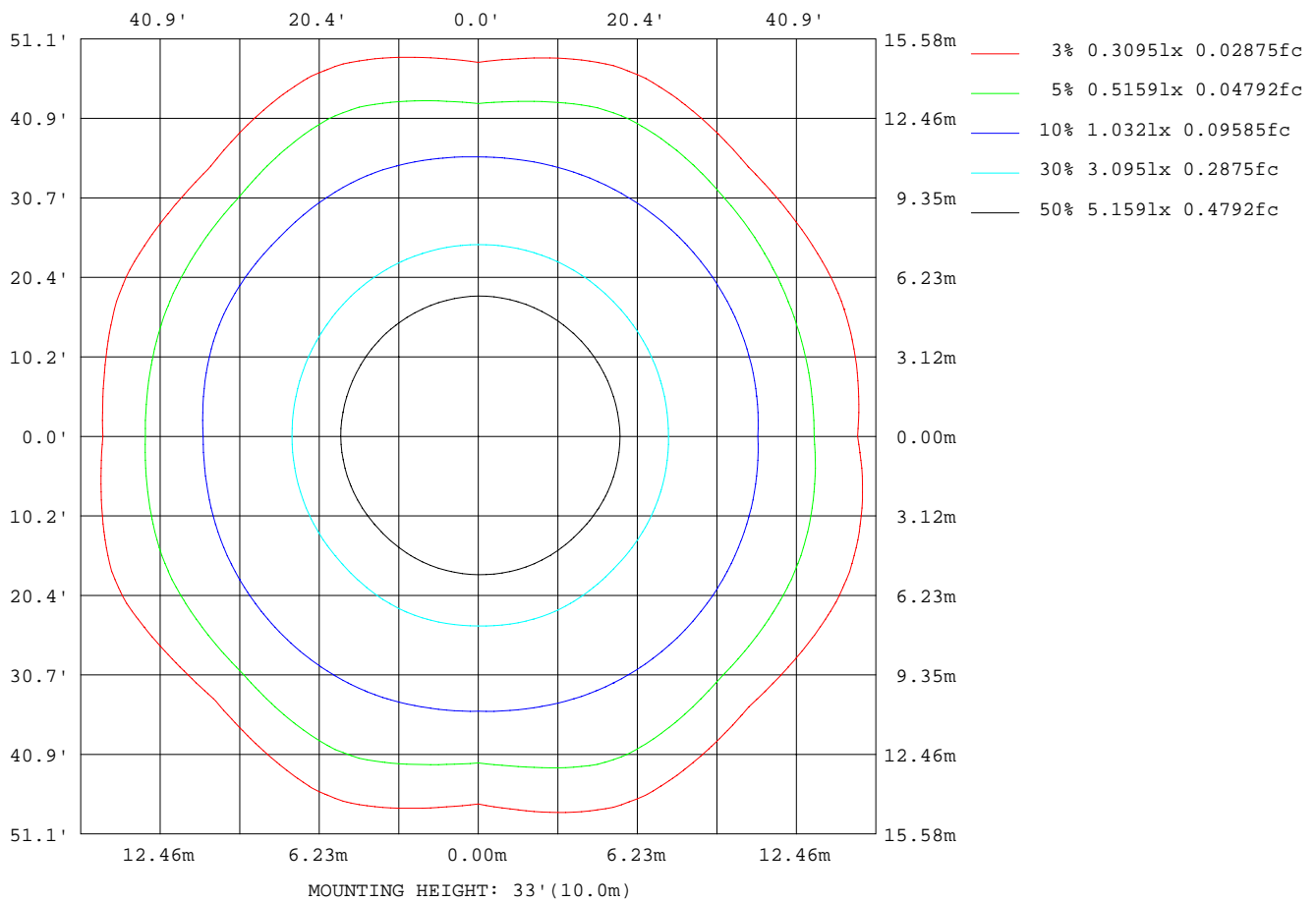
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

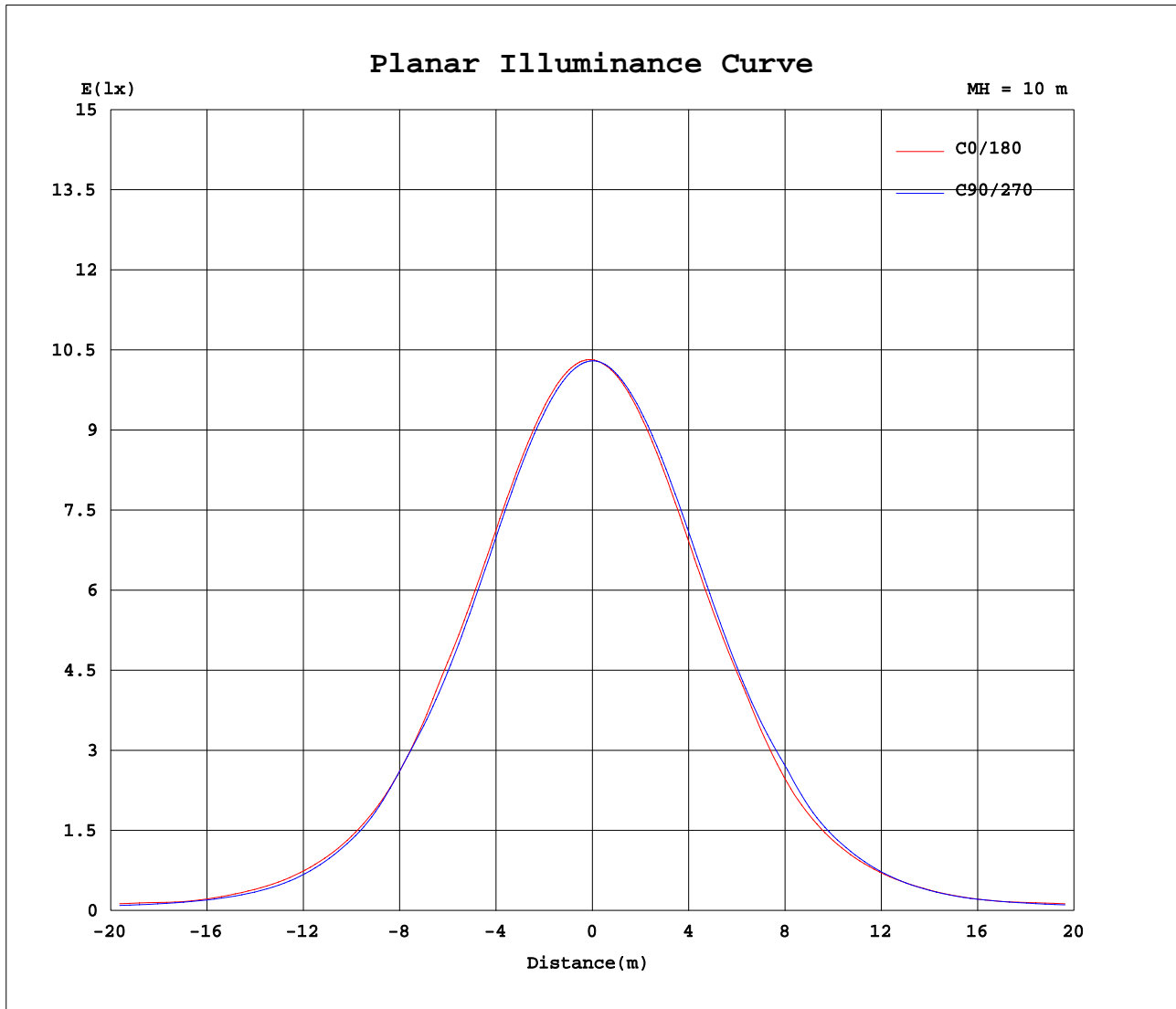
AvgL	cd/m2
L_0~180(65)av	2263
L_0~180(75)av	2568
L_0~180(85)av	3305
L_90~270(65)av	1855
L_90~270(75)av	2597
L_90~270(85)av	2951
L_45(65)av	959
L_45(75)av	1815
L_45(85)av	2677

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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 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	1032	1032	1031	1031	1031	1031	1031	1031	1031	1031	1031	1031	1030	1030	1030	1030	1030	1030	1030
5	1028	1028	1028	1028	1027	1027	1027	1026	1026	1025	1025	1024	1024	1024	1023	1023	1022	1022	1021
10	1008	1008	1008	1008	1008	1007	1006	1006	1005	1004	1004	1003	1003	1002	1001	1000	999	998	997
15	971	972	972	972	971	970	969	968	967	966	965	965	965	964	963	962	961	960	958
20	916	916	916	915	915	914	912	911	909	908	908	907	907	907	906	905	903	901	900
25	840	840	839	838	837	836	834	832	830	829	828	828	829	829	828	826	825	823	821
30	755	754	752	751	748	746	742	739	736	734	733	734	734	735	735	733	732	730	729
35	644	644	644	643	642	640	637	634	632	630	632	634	637	639	639	637	635	633	630
40	513	517	520	522	524	525	525	525	525	524	525	527	527	527	526	522	518	514	511
45	394	399	403	406	408	409	408	407	404	402	400	399	397	395	391	387	383	379	376
50	286	289	291	294	296	299	302	304	306	308	308	307	306	302	296	286	276	268	262
55	195	205	213	219	223	222	218	213	209	206	214	223	231	236	231	216	199	183	170
60	128	142	152	158	160	155	143	131	119	110	119	130	143	154	155	146	136	125	117
65	132	135	135	132	126	115	97.8	81.0	66.3	55.8	64.6	77.5	92.3	107	114	113	111	107	104
70	96.6	95.6	93.6	90.7	86.9	80.7	72.6	64.9	58.4	53.9	57.4	63.1	70.4	78.6	86.9	94.6	101	107	110
75	90.0	85.3	80.8	76.7	72.9	69.2	65.7	62.7	60.3	58.7	58.4	58.9	60.4	62.8	67.3	73.7	79.8	85.1	88.7
80	68.1	66.2	64.6	63.1	61.8	60.8	59.9	59.3	58.8	58.6	58.8	59.1	59.4	59.7	59.5	58.8	58.1	57.5	57.1
85	40.5	40.7	40.6	40.0	39.1	37.5	35.3	33.0	30.7	28.6	27.7	27.1	26.8	26.8	27.0	27.4	28.0	28.5	29.0
90	2.93	3.10	3.19	3.19	3.11	2.88	2.52	2.14	1.77	1.44	1.43	1.48	1.55	1.63	1.61	1.47	1.32	1.18	1.06
95	42.2	42.4	42.7	43.2	43.8	44.4	45.1	46.0	47.2	48.9	51.9	55.2	58.6	62.1	65.4	68.4	70.8	72.5	73.3
100	223	225	226	229	231	233	235	238	242	247	257	267	278	287	293	296	297	296	293
105	571	568	566	563	560	555	549	545	543	544	557	573	590	607	621	630	637	641	642
110	917	915	915	917	921	928	937	948	960	972	983	994	1004	1013	1020	1027	1031	1034	1034
115	1465	1465	1462	1456	1447	1433	1414	1395	1378	1365	1370	1379	1390	1403	1414	1421	1426	1430	1431
120	1863	1857	1850	1843	1833	1821	1806	1792	1779	1770	1772	1777	1784	1792	1798	1803	1806	1808	1808
125	2217	2210	2203	2194	2186	2175	2162	2150	2141	2134	2140	2148	2158	2168	2174	2176	2177	2176	2175
130	2536	2529	2521	2514	2506	2498	2489	2481	2475	2470	2474	2479	2486	2493	2497	2500	2501	2502	2501
135	2827	2818	2809	2801	2794	2787	2782	2777	2773	2771	2772	2775	2778	2782	2785	2787	2788	2790	2790
140	3085	3075	3067	3059	3053	3048	3044	3041	3039	3038	3038	3038	3038	3039	3040	3042	3044	3045	3046
145	3309	3300	3292	3285	3279	3276	3274	3273	3272	3272	3270	3268	3267	3266	3266	3267	3269	3270	3272
150	3506	3496	3489	3482	3477	3474	3472	3472	3472	3472	3470	3469	3467	3466	3466	3466	3467	3468	3469
155	3673	3664	3656	3649	3644	3641	3639	3639	3639	3639	3638	3638	3637	3637	3636	3637	3637	3637	3638
160	3810	3801	3793	3786	3781	3778	3776	3776	3776	3777	3776	3776	3776	3776	3776	3776	3777	3777	3777
165	3914	3905	3898	3892	3887	3884	3883	3882	3883	3883	3883	3883	3883	3883	3883	3883	3884	3884	3885
170	3986	3978	3972	3967	3963	3961	3960	3959	3959	3960	3960	3959	3959	3959	3960	3960	3961	3961	3962
175	4040	4033	4027	4022	4018	4016	4015	4015	4015	4015	4015	4014	4014	4014	4014	4015	4015	4016	4017
180	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059

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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 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	1030	1030	1030	1030	1030	1030	1030	1029	1029	1029	1029	1029	1029	1029	1030	1031	1031	1032	1032
5	1021	1020	1020	1020	1020	1019	1019	1018	1018	1018	1018	1018	1018	1018	1019	1019	1020	1020	1020
10	997	996	996	995	995	994	994	993	993	992	992	992	992	992	993	993	993	994	994
15	958	957	956	956	955	953	952	951	950	950	950	950	950	950	950	950	951	951	951
20	899	898	897	896	894	892	891	889	888	887	887	887	888	888	889	889	890	890	890
25	820	819	818	817	815	813	811	809	807	807	807	808	808	809	810	811	811	812	812
30	728	727	726	725	723	720	717	715	713	713	714	716	717	719	721	723	725	726	726
35	631	631	631	631	628	624	620	616	613	612	613	613	614	615	615	615	615	616	617
40	511	513	514	516	515	514	511	508	505	503	500	498	496	492	489	486	484	483	486
45	377	379	381	384	384	382	380	378	377	379	383	386	388	387	382	377	373	371	377
50	266	272	279	287	291	291	290	288	285	284	283	282	281	279	276	275	273	273	275
55	178	190	203	215	217	209	200	191	183	188	194	202	209	209	204	198	192	187	189
60	124	134	143	151	147	133	118	104	93.6	105	120	136	151	157	152	145	137	131	136
65	109	113	117	118	110	93.8	77.1	62.2	51.5	60.7	74.4	90.5	107	118	123	126	127	128	131
70	107	102	96.1	88.8	81.2	73.9	67.3	61.8	57.9	59.0	61.8	66.2	71.7	78.6	86.5	94.0	100	105	103
75	85.0	79.7	73.6	67.7	64.4	64.1	64.8	66.3	68.3	70.3	72.6	75.1	77.7	80.6	83.7	86.5	88.7	90.2	89.3
80	57.9	58.9	59.9	60.8	60.7	59.8	58.8	57.9	57.1	57.4	58.0	59.0	60.3	62.4	65.1	67.6	69.7	71.1	69.2
85	28.9	28.8	28.6	28.5	28.3	28.1	28.2	28.9	30.1	34.1	38.4	42.5	45.9	46.7	44.9	42.4	39.8	37.6	39.0
90	1.09	1.15	1.22	1.30	1.32	1.28	1.23	1.18	1.14	1.15	1.18	1.23	1.30	1.35	1.41	1.51	1.70	1.98	2.66
95	71.4	68.8	65.5	61.9	58.7	55.9	53.2	50.8	48.7	47.2	46.1	45.2	44.6	44.3	44.3	44.4	44.8	45.3	46.0
100	288	282	276	269	263	259	255	251	247	240	234	228	223	221	222	225	228	231	232
105	636	628	617	604	588	570	553	539	528	532	540	550	561	569	573	577	580	583	587
110	1031	1025	1017	1006	989	968	947	927	910	907	907	910	915	919	922	925	929	932	936
115	1425	1418	1409	1400	1393	1390	1386	1381	1375	1360	1345	1329	1314	1304	1299	1296	1296	1300	1307
120	1805	1800	1795	1789	1785	1781	1779	1778	1780	1791	1802	1814	1826	1831	1830	1828	1827	1827	1838
125	2175	2173	2172	2170	2166	2161	2157	2153	2152	2157	2165	2174	2184	2194	2205	2215	2224	2232	2235
130	2501	2499	2497	2495	2493	2490	2488	2487	2487	2490	2494	2500	2507	2516	2526	2537	2546	2554	2556
135	2789	2788	2787	2785	2784	2783	2783	2783	2784	2787	2790	2795	2801	2808	2817	2825	2833	2840	2841
140	3046	3045	3044	3043	3043	3044	3045	3046	3048	3050	3053	3056	3060	3066	3073	3080	3087	3093	3094
145	3272	3271	3271	3271	3271	3273	3274	3276	3278	3280	3281	3284	3286	3291	3298	3305	3311	3317	3318
150	3469	3469	3468	3468	3469	3471	3473	3475	3477	3479	3481	3483	3485	3489	3495	3500	3505	3510	3510
155	3637	3637	3637	3637	3638	3639	3641	3643	3646	3647	3649	3650	3652	3656	3660	3664	3668	3671	3671
160	3777	3777	3777	3777	3778	3779	3781	3783	3784	3785	3786	3787	3788	3791	3795	3799	3802	3805	3804
165	3885	3885	3885	3885	3886	3888	3889	3891	3892	3893	3894	3894	3895	3898	3901	3904	3907	3908	3907
170	3962	3962	3963	3963	3964	3965	3966	3967	3969	3970	3971	3972	3973	3975	3978	3980	3982	3983	3981
175	4017	4017	4017	4018	4019	4020	4022	4024	4025	4026	4027	4028	4029	4031	4033	4035	4037	4038	4035
180	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059

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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 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	1032	1031	1031	1031	1031	1031	1031	1031	1031	1031	1030	1030	1030	1030	1030	1030	1030	1030	1030
5	1020	1020	1020	1020	1020	1020	1021	1021	1021	1021	1021	1021	1021	1022	1022	1022	1023	1023	1023
10	994	994	994	994	995	995	996	996	996	996	997	997	998	999	999	1000	1001	1002	1002
15	951	951	951	952	952	953	954	956	956	957	958	959	960	961	963	964	965	966	967
20	890	890	891	891	892	894	895	897	898	900	901	903	904	906	908	909	911	911	912
25	812	812	813	813	815	816	818	819	821	823	825	827	828	830	832	834	835	835	836
30	725	725	724	724	725	726	727	728	729	731	732	734	736	738	740	742	743	744	744
35	618	620	622	623	624	626	627	628	630	633	635	637	639	640	641	643	644	644	645
40	490	495	500	505	509	513	517	521	524	527	529	531	532	532	532	532	532	533	534
45	385	394	402	406	405	403	400	398	398	399	400	401	401	400	398	397	396	395	395
50	279	283	287	291	294	297	301	304	308	313	316	317	314	305	296	287	281	286	292
55	192	197	201	202	200	198	196	197	207	219	229	237	234	221	207	194	184	193	206
60	143	149	154	152	143	132	123	116	125	136	148	159	161	153	145	136	128	134	141
65	133	132	130	120	103	86.1	71.2	60.6	70.4	84.3	100	115	123	122	118	113	109	111	113
70	99.3	94.0	87.6	80.5	73.2	66.6	61.4	58.4	62.2	68.2	75.6	84.0	92.7	101	108	114	117	114	108
75	87.6	85.3	82.5	79.2	75.8	72.5	69.6	67.4	67.1	67.7	69.2	71.5	75.5	80.9	86.1	90.6	93.6	90.8	86.5
80	66.7	63.9	61.4	60.8	62.0	63.6	65.2	66.4	65.0	63.2	61.3	59.5	58.9	59.5	60.4	61.4	62.3	62.2	61.8
85	40.8	42.7	44.3	44.1	41.9	39.4	37.0	35.0	35.7	37.0	38.6	40.2	41.2	41.4	41.4	41.2	40.8	40.5	40.1
90	3.39	4.11	4.75	4.97	4.78	4.57	4.42	4.46	5.63	6.91	8.12	9.11	9.03	7.93	6.69	5.53	4.68	5.93	7.45
95	46.9	47.9	49.0	49.7	50.3	51.1	52.5	54.6	59.5	65.0	70.6	75.9	80.0	82.6	84.4	85.3	85.4	84.3	82.4
100	233	234	237	241	248	255	263	272	281	290	299	307	315	323	329	334	337	338	336
105	590	593	595	592	586	580	577	578	597	619	643	666	682	690	694	695	694	690	684
110	940	945	949	952	953	956	963	974	1005	1039	1073	1105	1125	1132	1133	1131	1126	1122	1117
115	1317	1329	1343	1359	1377	1396	1416	1436	1459	1481	1501	1519	1532	1539	1543	1544	1542	1540	1536
120	1851	1863	1873	1873	1863	1851	1841	1835	1849	1866	1885	1904	1917	1924	1927	1928	1927	1927	1924
125	2237	2236	2234	2229	2220	2212	2206	2204	2216	2231	2247	2263	2273	2275	2275	2274	2272	2275	2276
130	2557	2555	2553	2549	2543	2539	2536	2536	2547	2559	2573	2586	2593	2595	2596	2595	2594	2597	2598
135	2842	2841	2839	2837	2835	2833	2832	2834	2842	2852	2862	2872	2878	2880	2881	2880	2880	2881	2883
140	3094	3093	3092	3091	3091	3092	3093	3096	3103	3110	3118	3125	3129	3131	3131	3131	3131	3132	3133
145	3317	3316	3315	3315	3316	3317	3319	3323	3328	3335	3341	3347	3350	3351	3351	3350	3350	3351	3351
150	3510	3509	3508	3508	3509	3511	3513	3516	3521	3526	3531	3535	3538	3539	3539	3538	3538	3539	3540
155	3671	3669	3668	3668	3670	3672	3674	3677	3681	3685	3690	3693	3695	3696	3696	3695	3695	3696	3697
160	3803	3801	3799	3799	3800	3802	3804	3807	3810	3814	3817	3819	3821	3821	3821	3821	3821	3822	3824
165	3905	3902	3900	3899	3901	3902	3905	3907	3909	3911	3913	3915	3916	3917	3917	3917	3918	3919	3920
170	3978	3975	3973	3972	3973	3974	3976	3978	3980	3981	3983	3985	3986	3986	3987	3987	3987	3988	3989
175	4032	4029	4026	4024	4025	4026	4027	4029	4030	4031	4032	4033	4034	4035	4035	4036	4036	4037	4037
180	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059

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:229.61V I:0.4446A P:97.435W PF:0.9545 Freq:49.99Hz Lamp Flux:13378.9x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 760*240*31						SERIAL No.:		
MFR.:									SUR.:0.71*0.191						Shielding Angle:		

Table--4

UNIT: cd

C(DEC) γ (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1030	1030	1030	1030	1030	1029	1029	1029	1029	1029	1029	1029	1030	1030	1031				
5	1024	1024	1024	1024	1025	1025	1025	1025	1025	1026	1026	1026	1026	1027	1028				
10	1003	1003	1003	1004	1004	1005	1005	1006	1006	1006	1006	1007	1007	1007	1008				
15	967	967	968	968	969	969	969	969	969	969	969	969	970	970	971				
20	912	912	913	913	913	914	914	914	914	914	914	914	914	914	915				
25	836	836	836	836	837	837	837	837	836	836	836	837	837	838	839				
30	744	743	743	743	742	742	743	743	744	745	746	748	749	751	753				
35	645	645	644	643	642	641	640	640	641	641	642	643	643	644	644				
40	535	535	535	535	534	533	532	531	530	528	527	525	522	520	517				
45	395	396	398	400	402	405	408	411	413	414	415	414	411	406	401				
50	300	307	312	312	311	309	306	304	301	298	296	293	291	289	288				
55	220	233	237	232	224	216	207	205	205	205	205	204	203	200	198				
60	149	154	152	141	128	117	109	116	127	138	149	154	152	148	140				
65	114	113	105	89.3	73.8	60.6	51.9	64.2	80.9	99.8	119	131	137	138	137				
70	99.8	91.0	82.0	73.3	65.6	59.4	55.4	58.7	64.0	70.7	77.9	83.8	87.8	91.3	94.2				
75	81.2	75.5	70.7	67.0	63.9	61.6	60.3	61.0	62.6	65.1	68.3	71.8	75.6	79.9	84.7				
80	61.3	60.6	59.6	58.3	57.2	56.3	55.9	57.3	59.1	61.2	63.3	64.9	66.1	67.0	67.6				
85	39.6	38.9	37.8	36.3	34.8	33.6	32.8	33.6	34.7	36.0	37.5	38.6	39.3	39.8	40.2				
90	9.00	10.3	10.3	9.03	7.46	5.87	4.49	4.88	5.54	6.29	6.96	7.08	6.56	5.70	4.49				
95	79.9	76.8	73.0	68.6	64.2	59.8	55.8	53.6	51.9	50.5	49.3	48.0	46.6	45.1	43.6				
100	333	327	318	305	291	277	264	256	250	244	240	236	232	228	226				
105	676	665	649	630	610	592	577	575	577	581	585	587	585	582	577				
110	1110	1102	1091	1077	1063	1048	1032	1018	1003	989	975	962	950	938	927				
115	1529	1519	1503	1480	1459	1440	1426	1436	1450	1467	1484	1493	1493	1488	1479				
120	1919	1912	1899	1881	1863	1848	1835	1841	1851	1862	1873	1880	1880	1877	1871				
125	2276	2274	2265	2249	2233	2217	2205	2207	2214	2221	2229	2233	2233	2230	2225				
130	2599	2598	2591	2578	2564	2551	2540	2541	2544	2548	2552	2554	2552	2548	2543				
135	2883	2882	2876	2867	2857	2848	2839	2839	2839	2841	2842	2842	2840	2836	2832				
140	3133	3132	3128	3122	3116	3109	3103	3102	3101	3100	3100	3099	3096	3093	3089				
145	3352	3352	3350	3346	3341	3337	3332	3330	3328	3327	3325	3323	3320	3317	3313				
150	3541	3541	3539	3536	3533	3529	3525	3524	3523	3522	3521	3519	3516	3513	3510				
155	3698	3698	3697	3694	3691	3688	3684	3684	3684	3684	3684	3683	3681	3679	3676				
160	3825	3826	3825	3823	3820	3817	3815	3815	3816	3817	3817	3817	3816	3815	3813				
165	3921	3921	3921	3920	3918	3917	3916	3917	3917	3918	3919	3919	3918	3917	3916				
170	3990	3991	3991	3990	3990	3989	3989	3989	3990	3990	3991	3990	3990	3989	3987				
175	4038	4039	4039	4040	4040	4040	4040	4040	4040	4040	4040	4040	4040	4040	4040				
180	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059	4059				

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: