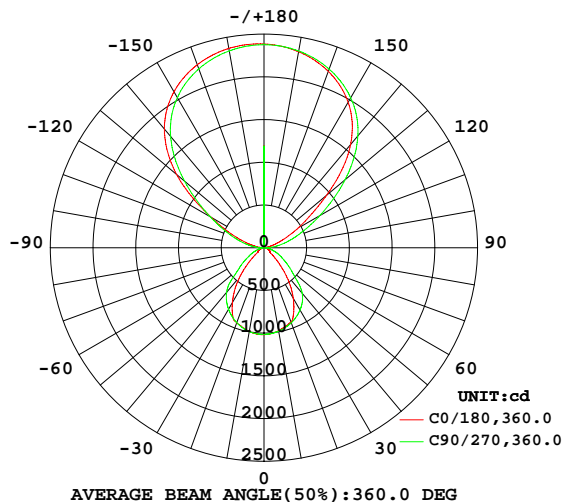


LUMINAIRE PHOTOMETRIC TEST REPORT

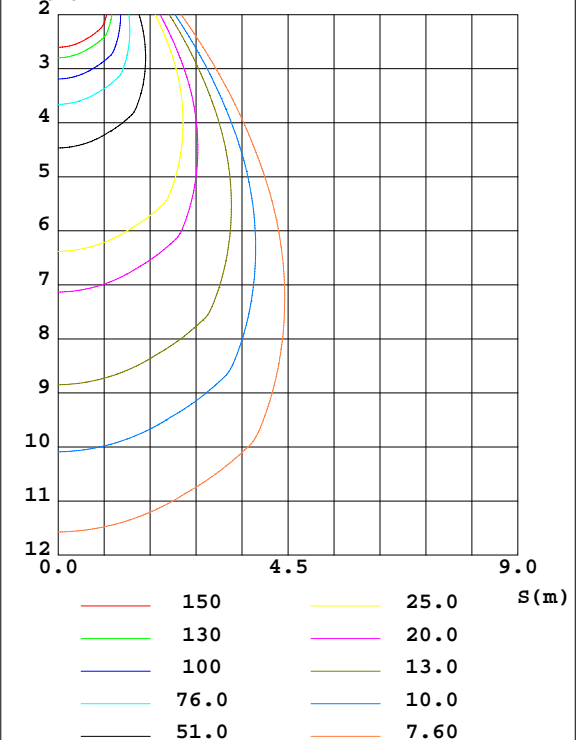
Test:U:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.63 lm/W			
MODEL		Imax(cd)	2388	S/MH(C0/180)	1.09
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7559.0	η UP,DN(C0-180)	37.9,12.2
NOMINAL FLUX(lm)	7558.98	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	38.0,11.9
LAMPS INSIDE	1	η up(%)	75.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	24.1	CIBSE SHR MAX	1.25

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:2025-03-28

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:

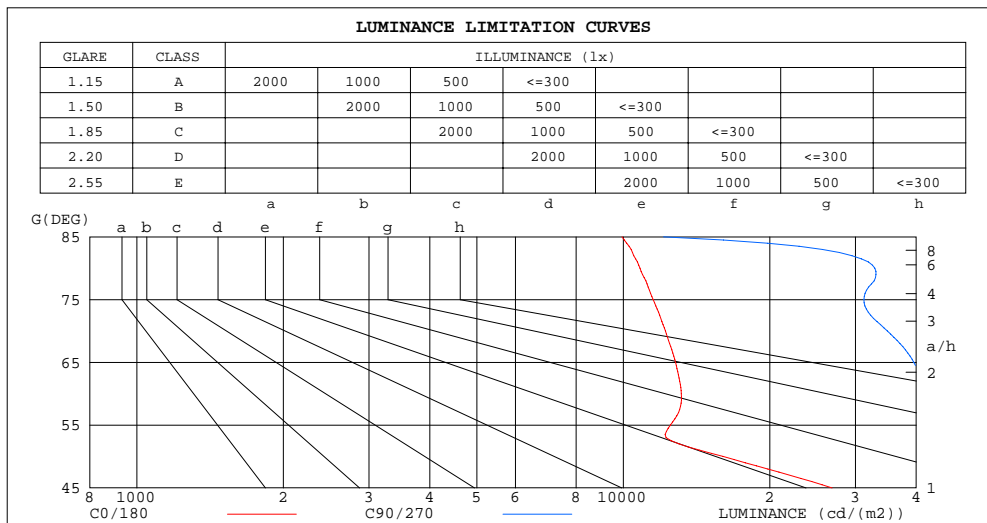
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	986.8	987.0	992.2	990.8	995.1	996.3	997.5	989.3	0- 10	95.72	95.72	1.27,1.27
20	924.9	920.2	935.0	925.5	934.9	929.5	932.7	921.5	10- 20	271.7	367.4	4.86,4.86
30	686.5	818.0	843.2	840.5	741.0	837.4	831.0	814.0	20- 30	401.7	769.1	10.2,10.2
40	370.2	547.2	696.9	603.1	434.3	603.8	681.4	547.0	30- 40	427.7	1197	15.8,15.8
50	120.9	236.7	423.0	277.4	153.9	269.2	388.3	232.8	40- 50	314.1	1511	20,20
60	77.19	87.57	251.5	102.2	80.33	99.05	211.4	82.34	50- 60	158.0	1669	22.1,22.1
70	48.96	53.06	139.9	55.75	54.15	53.44	103.0	50.56	60- 70	90.28	1759	23.3,23.3
80	22.03	23.69	66.99	27.11	26.70	26.03	31.98	22.73	70- 80	47.41	1807	23.9,23.9
90	0.7732	1.134	0.7388	3.058	3.021	2.646	1.040	1.117	80- 90	14.07	1821	24.1,24.1
100	28.75	58.94	187.9	128.7	101.5	125.1	178.8	56.39	90-100	51.19	1872	24.8,24.8
110	170.5	260.5	410.7	382.8	317.0	372.8	393.0	251.6	100-110	219.3	2091	27.7,27.7
120	459.7	598.7	754.5	811.8	713.0	791.7	727.3	581.9	110-120	479.7	2571	34,34
130	956.8	1108	1239	1323	1337	1305	1214	1097	120-130	826.4	3397	44.9,44.9
140	1576	1622	1710	1784	1814	1773	1700	1622	130-140	1124	4521	59.8,59.8
150	1969	1981	2029	2082	2108	2075	2029	1989	140-150	1176	5698	75.4,75.4
160	2198	2198	2227	2261	2281	2255	2229	2208	150-160	987.7	6685	88.4,88.4
170	2331	2323	2339	2358	2370	2350	2340	2332	160-170	648.3	7334	97,97
180	2385	2385	2385	2385	2385	2385	2385	2385	170-180	225.3	7559	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:2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9939	12098
80	10818	32888
75	11518	31237
70	12204	34883
65	12805	39544
60	13161	42877
55	12492	48999
50	16039	56104
45	26862	66258

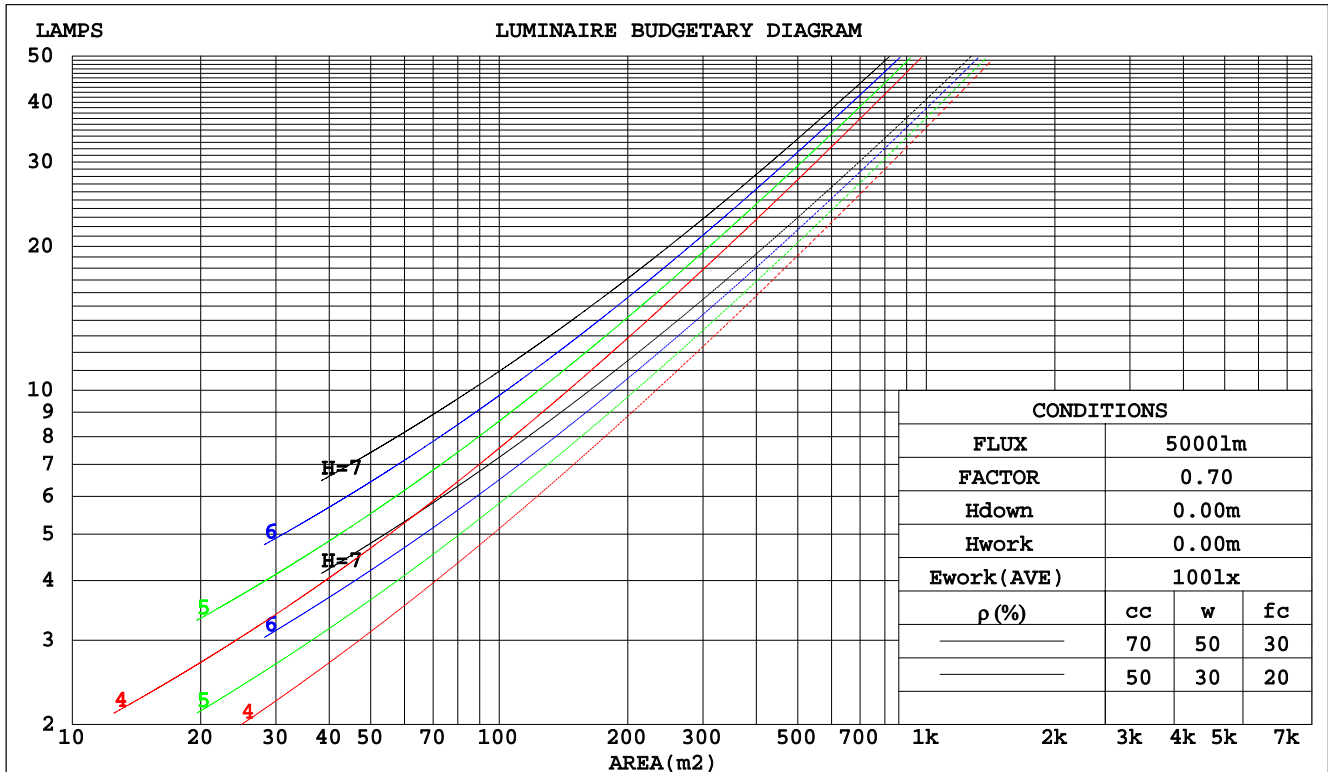
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	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	1.01	1.01	1.01	.90	.90	.90	.69	.69	.69	.50	.50	.50	.32	.32	.32	.24
1.0	.89	.85	.82	.79	.76	.73	.61	.59	.57	.45	.43	.42	.29	.29	.28	.21
2.0	.78	.72	.68	.70	.65	.61	.54	.51	.48	.40	.38	.36	.27	.26	.25	.19
3.0	.69	.62	.57	.62	.56	.52	.48	.44	.41	.36	.33	.31	.24	.23	.22	.17
4.0	.61	.54	.49	.55	.49	.44	.43	.39	.36	.32	.29	.27	.22	.20	.19	.15
5.0	.55	.47	.42	.49	.43	.38	.39	.34	.31	.29	.26	.24	.20	.18	.17	.13
6.0	.49	.42	.36	.44	.38	.33	.35	.31	.27	.26	.23	.21	.18	.17	.15	.12
7.0	.44	.37	.32	.40	.34	.29	.32	.27	.24	.24	.21	.19	.17	.15	.14	.11
8.0	.40	.33	.28	.36	.30	.26	.29	.25	.21	.22	.19	.17	.16	.14	.12	.10
9.0	.37	.30	.25	.33	.27	.23	.27	.22	.19	.20	.17	.15	.14	.13	.11	.09
10.0	.34	.27	.22	.31	.25	.21	.24	.20	.17	.19	.16	.14	.13	.12	.10	.08



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 500*72*85			SERIAL No.:		
MFR.:			SUR.:0.326*0.036			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	.253	.144	.046	.224	.128	.041	.168	.096	.031	.116	.067	.022	.069	.040	.013	
2.0	.235	.129	.040	.208	.115	.035	.157	.087	.027	.110	.062	.019	.066	.038	.012	
3.0	.218	.116	.035	.194	.104	.031	.147	.079	.024	.103	.057	.017	.063	.035	.011	
4.0	.203	.106	.031	.180	.094	.028	.137	.073	.022	.097	.052	.016	.060	.032	.010	
5.0	.189	.096	.028	.168	.086	.025	.128	.067	.020	.091	.048	.014	.056	.030	.009	
6.0	.177	.089	.025	.157	.080	.023	.120	.062	.018	.086	.045	.013	.053	.028	.008	
7.0	.166	.082	.023	.148	.074	.021	.113	.057	.016	.081	.041	.012	.051	.026	.008	
8.0	.156	.076	.021	.139	.068	.019	.107	.053	.015	.076	.039	.011	.048	.025	.007	
9.0	.147	.071	.020	.131	.064	.018	.101	.050	.014	.072	.036	.010	.046	.023	.007	
10.0	.139	.066	.018	.124	.060	.017	.095	.047	.013	.069	.034	.010	.043	.022	.006	

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	.769	.769	.769	.657	.657	.657	.449	.449	.449	.258	.258	.258	.082	.082	.082	
1.0	.760	.740	.722	.650	.635	.621	.445	.437	.430	.256	.253	.250	.082	.081	.081	
2.0	.752	.719	.692	.644	.619	.598	.441	.428	.417	.254	.249	.245	.082	.081	.080	
3.0	.745	.704	.672	.639	.607	.582	.438	.422	.409	.253	.246	.241	.081	.080	.079	
4.0	.738	.693	.658	.634	.599	.572	.436	.417	.403	.252	.244	.238	.081	.080	.078	
5.0	.732	.684	.648	.629	.592	.564	.433	.413	.398	.251	.243	.236	.081	.079	.078	
6.0	.727	.677	.641	.624	.586	.558	.431	.410	.395	.250	.241	.235	.081	.079	.078	
7.0	.721	.671	.636	.620	.582	.554	.429	.408	.393	.249	.240	.234	.080	.079	.077	
8.0	.716	.666	.632	.616	.578	.551	.426	.406	.391	.248	.239	.233	.080	.078	.077	
9.0	.711	.662	.629	.613	.575	.549	.424	.404	.389	.247	.239	.232	.080	.078	.077	
10.0	.707	.658	.626	.609	.572	.547	.423	.402	.388	.246	.238	.232	.080	.078	.077	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm										
NAME:					TYPE:			WEIGHT:		
SPEC.:					DIM.: 500*72*85			SERIAL No.:		
MFR.:					SUR.:0.326*0.036			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	14.8	15.5	15.9	16.6	18.0	19.4	20.1	20.5	21.2	22.6
	3H	15.2	15.8	16.3	16.9	18.4	20.2	20.8	21.3	21.9
	4H	15.4	16.0	16.5	17.1	18.6	20.4	21.0	21.6	22.1
	6H	15.5	16.1	16.7	17.2	18.7	20.8	21.3	21.9	22.4
	8H	15.6	16.1	16.7	17.2	18.7	20.9	21.4	22.0	22.5
	12H	15.6	16.1	16.7	17.2	18.7	20.8	21.3	22.0	22.5
4H	2H	14.8	15.4	15.9	16.5	18.0	19.0	19.5	20.1	20.6
	3H	15.4	15.9	16.5	17.0	18.5	19.8	20.3	21.0	21.4
	4H	15.7	16.1	16.8	17.3	18.8	20.2	20.6	21.3	21.7
	6H	15.9	16.3	17.1	17.5	19.0	20.6	21.0	21.7	22.1
	8H	16.0	16.4	17.2	17.5	19.1	20.7	21.1	21.9	22.2
	12H	16.1	16.4	17.2	17.5	19.1	20.7	21.1	21.9	22.2
8H	4H	15.7	16.1	16.9	17.2	18.8	19.9	20.3	21.1	21.4
	6H	16.1	16.4	17.3	17.5	19.1	20.4	20.7	21.6	21.8
	8H	16.2	16.5	17.4	17.6	19.3	20.6	20.8	21.8	22.0
	12H	16.3	16.5	17.5	17.7	19.4	20.6	20.8	21.8	22.0
12H	4H	15.7	16.0	16.8	17.1	18.7	19.8	20.1	21.0	21.3
	6H	16.1	16.3	17.2	17.5	19.1	20.3	20.5	21.5	21.7
	8H	16.2	16.4	17.4	17.6	19.3	20.5	20.7	21.7	21.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.3					+ 0.5 / - 0.5				
1.5H	+ 1.2 / - 1.5					+ 0.7 / - 1.1				
2.0H	+ 1.4 / - 0.7					+ 1.9 / - 2.1				

CIE Pub.117, 7559 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.0$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

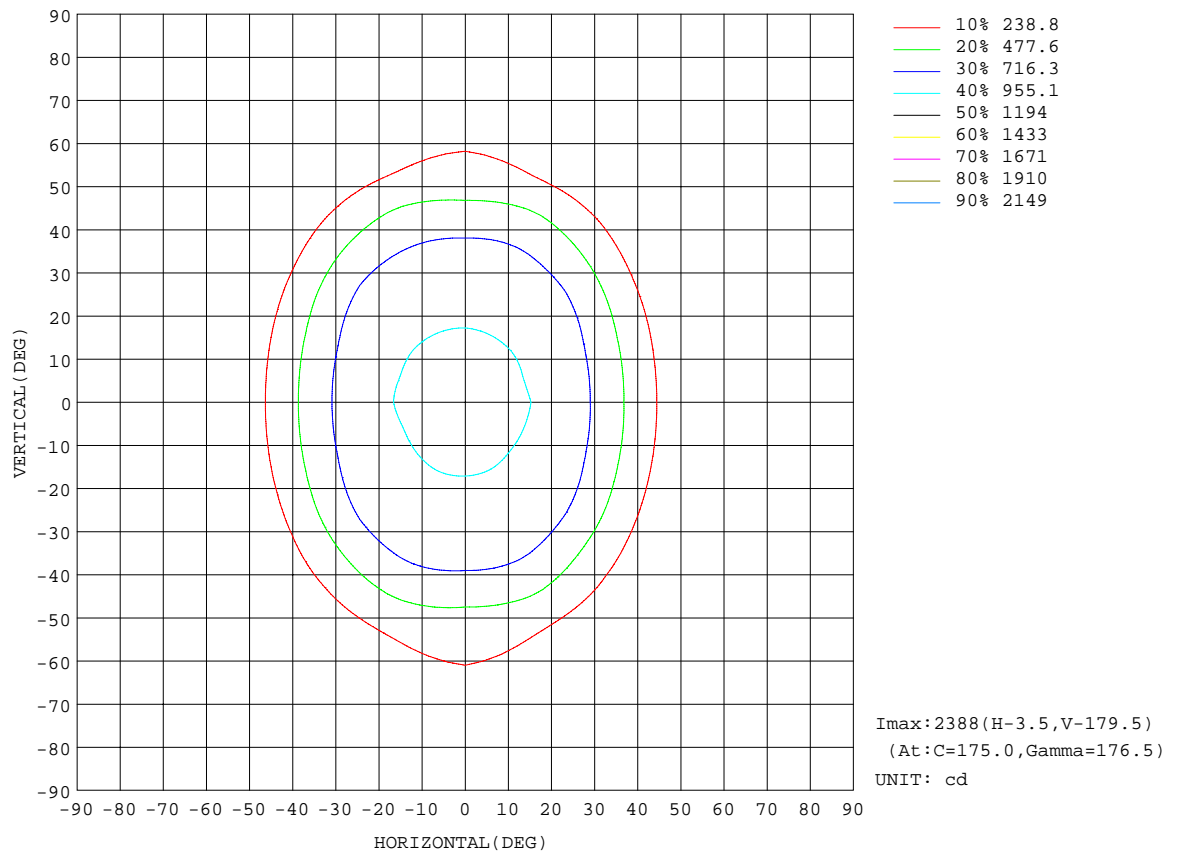
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	40	30	25	37	28	23	30	24	20	12
0.80	49	39	32	45	36	30	36	30	26	14
1.00	56	46	39	51	42	36	41	35	30	16
1.25	63	52	46	57	48	42	45	39	35	17
1.50	68	58	51	61	53	47	48	43	39	18
2.00	75	66	59	67	59	54	53	48	44	20
2.50	79	71	65	71	64	59	55	51	47	20
3.00	82	75	69	74	67	63	57	53	50	21
4.00	87	80	75	77	72	68	60	57	54	22
5.00	89	84	79	80	75	72	62	59	56	22
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:2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

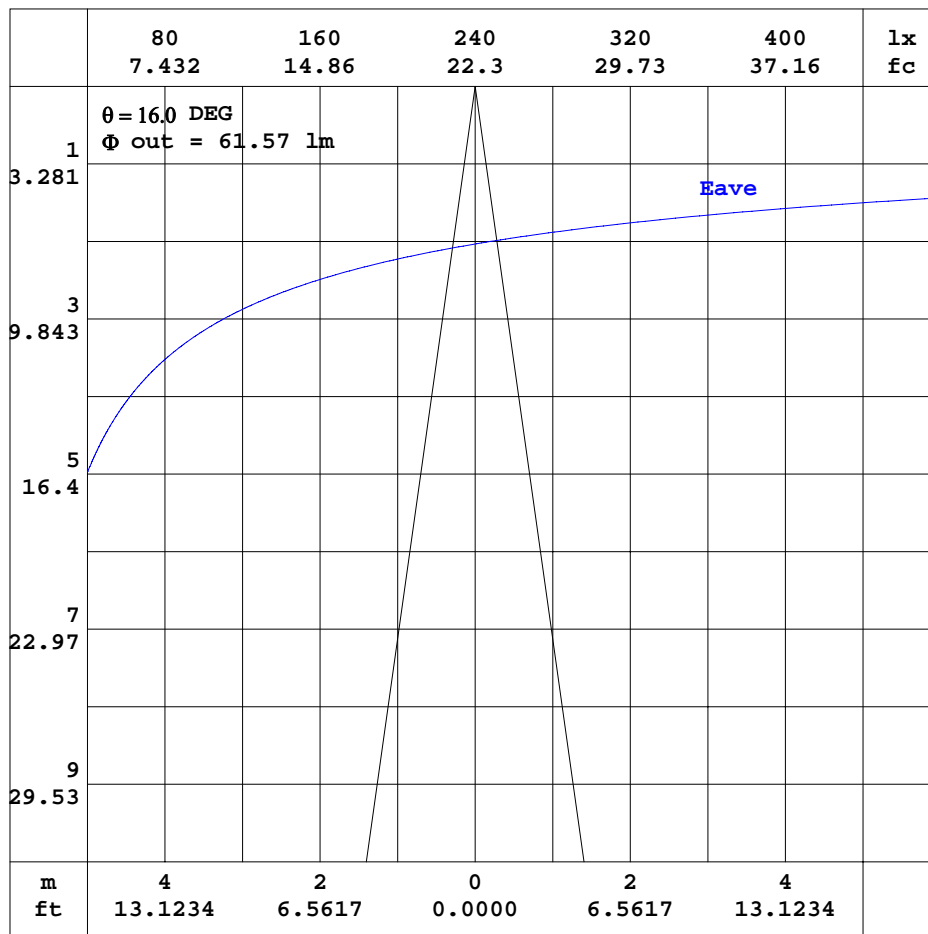


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-03-28

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 CURVES

Test:U:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



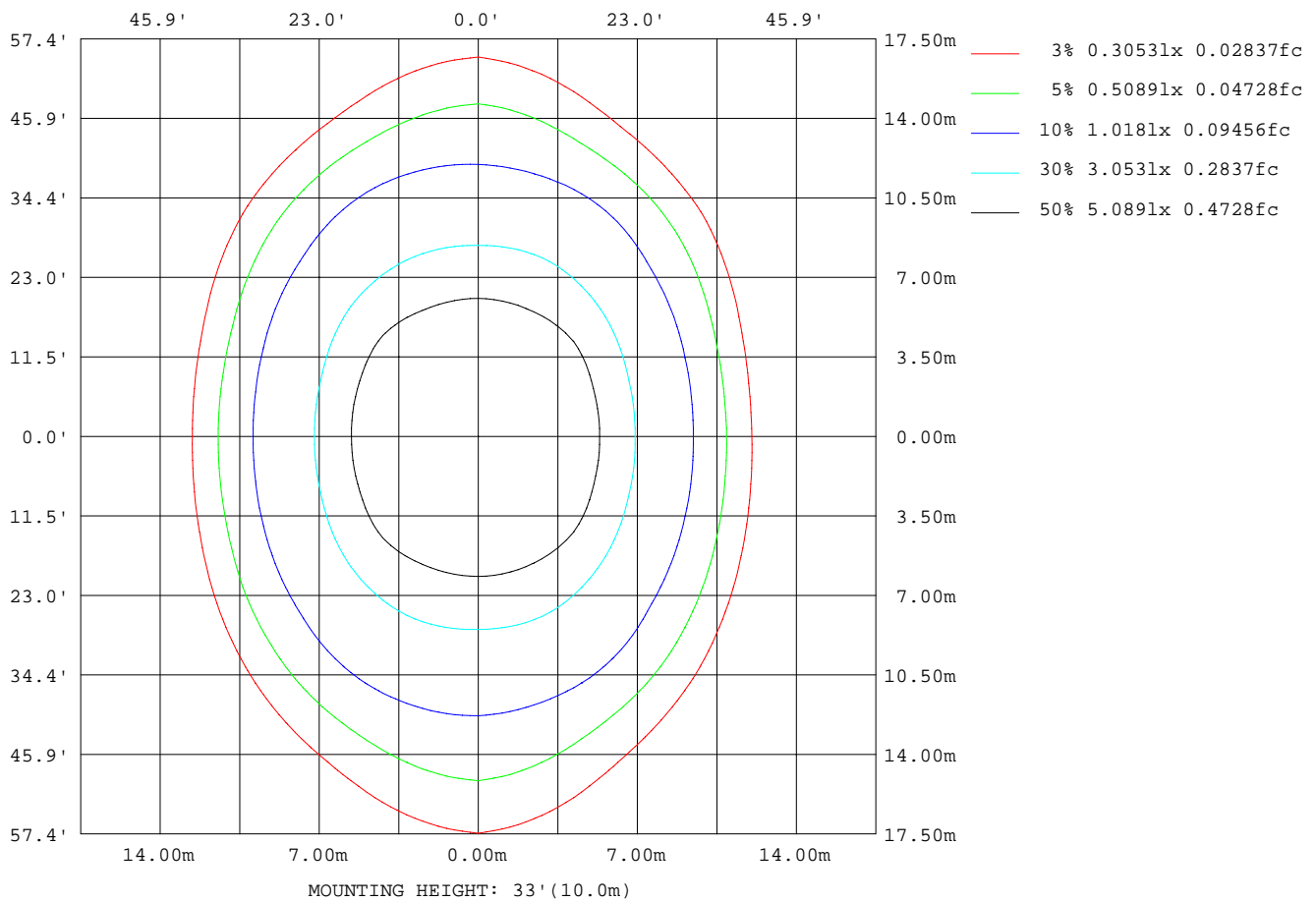
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

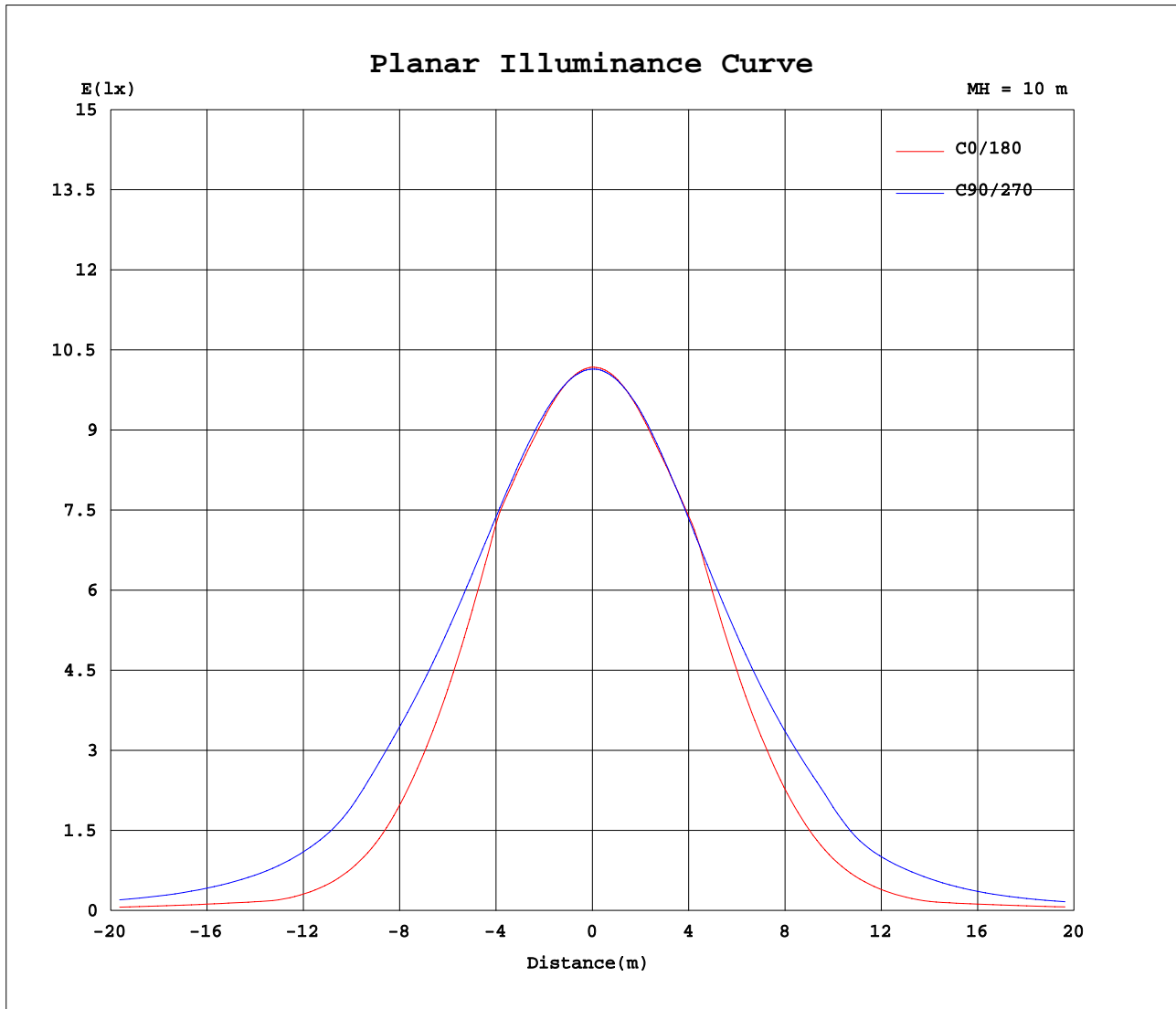
AvgL	cd/m2
L_0~180(65)av	13294
L_0~180(75)av	12356
L_0~180(85)av	11971
L_90~270(65)av	35443
L_90~270(75)av	25268
L_90~270(85)av	7166
L_45(65)av	12716
L_45(75)av	12789
L_45(85)av	12134

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-03-28

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: 2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	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	1018	1017	1017	1016	1016	1015	1015	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014
5	1009	1008	1008	1007	1007	1007	1006	1006	1006	1006	1006	1007	1007	1007	1007	1008	1008	1008	1008
10	987	986	986	986	986	986	986	986	987	987	988	989	990	990	991	991	992	992	992
15	956	955	955	954	954	954	954	955	956	957	958	960	962	964	965	966	967	967	968
20	925	924	923	923	922	921	921	920	920	920	922	924	927	929	931	933	934	934	935
25	825	831	837	843	849	856	863	869	875	880	883	885	886	887	888	890	891	893	894
30	686	690	696	705	717	734	756	778	799	818	826	830	832	833	835	837	840	842	843
35	535	539	547	558	573	592	617	643	670	695	716	734	750	763	772	778	780	782	781
40	370	374	383	395	410	432	457	486	516	547	579	610	639	664	681	690	695	697	697
45	223	225	231	241	254	271	291	316	343	372	411	449	486	519	540	548	551	551	550
50	121	123	129	136	146	159	175	193	214	237	265	295	324	351	374	392	406	417	423
55	84.0	78.6	76.2	76.9	80.8	88.5	99.9	114	130	147	165	184	204	224	248	274	298	317	330
60	77.2	76.3	75.9	76.0	76.7	76.8	76.8	78.2	81.6	87.6	100	116	133	152	175	199	222	240	251
65	63.5	63.9	64.2	64.4	64.6	63.7	62.0	61.2	61.8	64.6	73.3	84.3	97.3	112	130	151	170	186	196
70	49.0	49.0	49.2	49.5	49.8	49.9	49.7	50.0	51.0	53.1	57.0	62.2	68.7	76.7	88.9	104	119	132	140
75	35.0	35.1	35.2	35.4	35.7	36.1	36.5	37.0	37.5	38.0	36.6	35.8	36.1	38.2	46.5	60.4	74.2	86.3	94.8
80	22.0	22.1	22.2	22.3	22.5	22.6	22.8	23.0	23.3	23.7	23.2	23.2	24.0	26.1	32.4	42.4	52.3	60.9	67.0
85	10.2	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.1	11.5	11.8	12.1	12.4	12.5	12.5	12.4	12.4	12.4
90	0.77	0.76	0.76	0.77	0.80	0.83	0.88	0.94	1.03	1.13	1.36	1.59	1.79	1.92	1.83	1.53	1.21	0.93	0.74
95	15.7	16.2	16.7	17.1	17.5	17.6	17.5	17.8	18.4	18.6	19.7	22.3	26.7	36.9	52.2	67.8	82.0	93.4	
100	28.8	28.2	28.6	30.0	32.4	35.3	39.0	44.0	50.6	58.9	71.7	85.9	101	117	134	150	165	178	188
105	89.1	87.6	88.0	90.3	94.6	101	109	118	131	145	165	186	208	228	246	260	272	282	290
110	171	171	173	178	186	196	209	224	241	261	285	311	336	360	378	389	398	405	411
115	292	292	296	302	311	324	340	358	379	401	428	456	482	507	526	539	550	558	565
120	460	457	459	466	477	494	517	543	571	599	623	646	668	688	705	720	733	744	755
125	667	666	670	680	694	717	747	779	812	843	863	881	897	911	926	942	957	971	984
130	957	961	969	980	994	1013	1036	1060	1085	1108	1124	1138	1151	1164	1178	1194	1209	1224	1239
135	1289	1290	1293	1299	1306	1317	1330	1345	1360	1376	1387	1399	1410	1421	1434	1448	1462	1476	1489
140	1576	1573	1572	1573	1576	1582	1590	1600	1611	1622	1630	1638	1647	1656	1666	1677	1688	1699	1710
145	1799	1796	1793	1793	1794	1797	1803	1809	1817	1824	1830	1835	1841	1847	1855	1863	1872	1880	1889
150	1969	1965	1962	1961	1961	1963	1966	1971	1976	1981	1985	1989	1993	1997	2003	2009	2016	2022	2029
155	2099	2094	2091	2089	2089	2090	2092	2095	2099	2103	2106	2109	2112	2115	2119	2124	2129	2135	2140
160	2198	2194	2191	2188	2187	2188	2189	2192	2195	2198	2200	2202	2205	2207	2210	2214	2218	2223	2227
165	2275	2271	2267	2264	2263	2263	2264	2266	2268	2270	2272	2274	2276	2278	2280	2283	2287	2290	2293
170	2331	2326	2322	2319	2317	2317	2318	2319	2321	2323	2325	2326	2327	2328	2330	2332	2334	2337	2339
175	2367	2362	2358	2355	2353	2352	2352	2354	2355	2357	2358	2359	2359	2360	2361	2363	2364	2366	2367
180	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 500*72*85					SERIAL No.:				
MFR.:									SUR.:0.326*0.036					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	1014	1014	1014	1014	1014	1014	1013	1013	1013	1013	1012	1012	1012	1012	1014	1015	1017	1018	1018
5	1008	1008	1008	1008	1008	1008	1008	1008	1007	1007	1007	1007	1007	1008	1009	1011	1012	1013	1013
10	992	993	993	993	993	992	992	991	991	990	990	989	989	990	991	992	994	995	995
15	968	968	969	968	968	967	966	965	963	962	961	960	959	959	960	961	963	964	964
20	936	936	936	935	934	932	929	927	925	925	925	925	926	928	930	932	933	935	935
25	894	894	894	893	892	891	889	888	887	887	888	888	888	886	882	878	874	872	875
30	843	843	842	841	842	844	845	844	841	827	811	795	778	765	755	748	743	741	744
35	782	782	781	778	775	769	762	752	739	717	693	668	645	626	613	604	598	596	598
40	701	703	702	698	688	671	651	628	603	575	546	518	492	471	456	444	437	434	437
45	557	562	565	562	549	525	496	464	432	404	376	351	328	309	295	284	278	275	278
50	424	421	414	402	384	360	333	305	277	253	231	211	193	179	168	160	156	154	155
55	322	308	289	267	246	227	207	188	170	152	135	120	107	97.4	91.1	87.0	84.9	84.6	84.5
60	243	228	208	186	166	148	131	116	102	93.3	86.4	81.4	78.2	76.8	76.8	77.7	79.0	80.3	79.0
65	188	173	156	136	117	101	86.3	73.7	63.7	61.5	61.8	63.7	66.6	68.4	68.5	68.6	68.5	68.3	68.4
70	133	122	109	94.6	82.7	74.1	66.6	60.5	55.8	53.9	53.1	53.3	53.9	54.3	54.2	54.2	54.2	54.1	54.1
75	86.8	75.3	61.9	48.4	40.5	38.8	38.7	39.8	41.4	41.1	40.8	40.5	40.3	40.1	40.1	40.1	40.1	40.1	40.0
80	61.3	53.1	43.5	33.9	28.0	26.4	25.9	26.3	27.1	26.9	26.8	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.6
85	12.8	13.2	13.7	14.1	14.3	14.4	14.3	14.2	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.3	14.3	14.3	14.3
90	1.02	1.39	1.83	2.27	2.60	2.78	2.92	3.01	3.06	3.06	3.05	3.01	2.97	2.96	2.98	2.99	3.01	3.02	3.01
95	91.9	87.0	79.8	71.3	64.2	59.0	54.2	49.9	46.2	43.5	41.3	39.7	38.5	37.7	37.3	37.1	37.1	37.3	37.1
100	191	190	186	181	172	162	151	139	129	121	115	110	106	104	102	101	101	101	101
105	298	303	305	304	298	287	273	258	244	232	222	213	206	200	196	193	191	191	191
110	420	428	434	437	433	423	411	397	383	371	359	348	338	331	325	321	318	317	318
115	574	582	588	593	595	594	591	585	577	561	545	527	512	501	497	495	495	496	495
120	764	773	781	788	796	804	810	813	812	797	780	761	742	728	721	716	713	713	715
125	995	1005	1014	1023	1032	1042	1050	1057	1061	1057	1052	1045	1037	1031	1026	1021	1019	1017	1020
130	1250	1260	1269	1278	1288	1298	1308	1316	1323	1325	1326	1326	1326	1327	1330	1333	1335	1337	1336
135	1499	1509	1518	1526	1536	1546	1555	1564	1572	1575	1578	1580	1582	1585	1589	1593	1597	1599	1597
140	1718	1726	1734	1742	1750	1759	1768	1776	1784	1788	1792	1795	1798	1801	1806	1809	1812	1814	1812
145	1895	1902	1908	1915	1922	1930	1938	1945	1952	1956	1960	1963	1966	1969	1973	1977	1979	1981	1978
150	2035	2040	2045	2051	2057	2063	2070	2076	2082	2086	2090	2093	2096	2099	2102	2105	2107	2108	2106
155	2144	2149	2153	2158	2162	2168	2173	2178	2183	2187	2190	2193	2196	2198	2202	2204	2206	2206	2204
160	2230	2234	2237	2241	2244	2249	2253	2257	2261	2264	2267	2269	2272	2274	2277	2279	2280	2281	2278
165	2296	2298	2301	2303	2306	2310	2313	2316	2319	2322	2324	2326	2328	2330	2332	2333	2334	2334	2332
170	2341	2343	2345	2347	2349	2352	2354	2356	2358	2360	2362	2363	2365	2366	2368	2369	2370	2370	2367
175	2368	2370	2371	2372	2373	2375	2376	2377	2379	2380	2381	2382	2383	2384	2385	2386	2386	2386	2383
180	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 500*72*85					SERIAL No.:				
MFR.:									SUR.:0.326*0.036					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	1017	1017	1016	1015	1015	1015	1015	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014
5	1013	1012	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1010	1010
10	995	994	994	994	994	994	995	996	997	997	997	998	998	998	998	998	997	997	996
15	964	964	964	964	966	967	969	970	971	971	971	971	971	971	971	971	971	970	969
20	934	933	932	931	931	930	930	930	930	931	932	932	933	933	933	933	933	932	930
25	880	885	890	892	892	891	889	887	887	886	886	886	886	886	887	887	886	885	883
30	749	757	767	780	796	811	826	837	839	838	834	830	829	829	830	831	831	829	826
35	603	613	625	644	668	693	717	738	748	754	757	759	760	762	764	765	764	764	763
40	445	456	472	494	520	548	576	604	625	643	659	672	680	683	685	684	681	683	682
45	284	295	309	328	352	378	405	433	461	489	513	534	548	553	554	552	547	548	547
50	159	165	175	189	206	225	247	269	295	321	345	366	381	388	392	392	388	383	374
55	86.3	90.0	95.9	106	119	134	149	166	179	193	207	220	238	257	275	288	295	283	265
60	77.7	76.8	76.6	78.0	81.2	85.8	91.7	99.0	109	119	131	144	159	177	192	204	211	201	186
65	68.4	68.2	67.9	66.2	63.5	61.4	60.5	61.6	68.5	77.5	87.9	99.4	113	127	140	150	155	147	134
70	54.0	53.9	53.8	53.4	52.7	52.4	52.6	53.4	56.0	59.4	63.6	68.5	75.7	84.6	92.7	99.2	103	96.6	87.8
75	39.9	39.8	39.8	39.8	39.9	40.0	39.9	39.7	38.0	36.4	35.3	35.0	37.9	43.7	49.7	54.9	58.6	54.6	49.0
80	26.5	26.5	26.4	26.3	26.3	26.3	26.2	26.0	25.3	24.6	24.0	23.8	24.8	26.8	28.9	30.7	32.0	30.4	28.2
85	14.2	14.1	14.0	14.0	13.9	13.8	13.7	13.6	13.5	13.3	12.9	12.2	10.6	8.20	5.82	3.76	2.28	3.43	5.17
90	3.00	2.97	2.94	2.90	2.85	2.79	2.73	2.65	2.57	2.47	2.36	2.22	2.01	1.74	1.48	1.23	1.04	1.05	1.10
95	37.0	37.2	37.6	38.3	39.3	40.9	43.0	45.9	50.3	55.3	60.7	66.3	73.1	80.4	86.3	90.0	90.4	79.4	65.7
100	101	102	103	105	108	113	118	125	136	148	159	170	178	182	184	183	179	169	157
105	193	195	199	204	210	218	226	236	250	264	277	289	294	294	290	285	277	269	260
110	320	323	328	335	343	352	362	373	386	398	409	417	419	416	410	402	393	388	381
115	496	498	502	510	522	535	549	561	569	574	578	579	575	569	560	550	540	535	529
120	718	724	731	742	756	769	782	792	793	791	786	779	770	760	750	739	727	720	711
125	1024	1029	1034	1037	1040	1041	1041	1040	1036	1031	1024	1016	1006	995	982	970	957	947	936
130	1334	1331	1328	1324	1320	1315	1310	1305	1299	1293	1285	1277	1267	1254	1241	1228	1214	1203	1193
135	1594	1590	1586	1581	1576	1570	1564	1558	1552	1546	1538	1530	1521	1509	1497	1484	1472	1463	1453
140	1809	1804	1799	1794	1789	1784	1779	1773	1768	1762	1756	1749	1741	1731	1721	1710	1700	1693	1686
145	1975	1970	1965	1961	1956	1952	1947	1943	1938	1934	1929	1923	1917	1909	1901	1893	1885	1880	1875
150	2102	2098	2093	2089	2086	2082	2078	2075	2071	2067	2063	2059	2054	2048	2041	2035	2029	2025	2021
155	2200	2196	2192	2188	2185	2182	2179	2176	2174	2171	2167	2164	2160	2155	2151	2146	2142	2139	2136
160	2275	2271	2266	2263	2261	2259	2257	2255	2253	2250	2248	2245	2242	2239	2236	2232	2229	2227	2225
165	2328	2324	2320	2317	2316	2314	2313	2312	2311	2309	2308	2306	2304	2302	2299	2297	2295	2293	2292
170	2363	2359	2355	2353	2352	2351	2351	2350	2350	2349	2348	2347	2346	2344	2343	2342	2340	2340	2339
175	2379	2376	2372	2370	2369	2369	2370	2370	2370	2370	2370	2369	2369	2369	2368	2368	2367	2367	2367
180	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-03-28

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:229.66V I:0.2758A P:61.142W PF:0.9652 Freq:49.99Hz Lamp Flux:7558.98x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 500*72*85						SERIAL No.:		
MFR.:									SUR.:0.326*0.036						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	1014	1014	1014	1014	1013	1013	1013	1013	1012	1012	1012	1012	1013	1014	1016				
5	1010	1009	1009	1008	1008	1007	1007	1006	1005	1004	1004	1004	1005	1006	1007				
10	995	994	993	992	991	990	989	988	986	985	984	984	984	984	985				
15	968	967	966	964	963	962	961	959	957	955	953	952	953	953	955				
20	929	928	926	925	924	922	922	921	921	920	920	921	921	922	923				
25	881	880	879	880	880	880	879	873	867	860	853	846	841	835	830				
30	824	821	820	822	822	820	814	796	774	752	730	713	702	694	689				
35	760	756	748	738	725	709	691	665	638	612	587	567	553	543	537				
40	678	671	656	633	607	578	547	516	485	456	430	409	393	381	374				
45	541	531	511	480	445	409	373	343	316	291	270	253	240	230	225				
50	363	349	330	307	283	258	233	210	189	170	154	140	131	125	121				
55	243	220	200	184	169	155	142	126	111	97.8	86.7	79.2	75.9	75.5	78.3				
60	167	147	130	115	102	91.4	82.3	78.2	76.0	75.3	75.6	75.8	75.6	75.7	76.3				
65	119	103	90.2	80.9	73.1	66.9	62.2	60.8	60.7	61.4	62.8	63.5	63.6	63.6	63.6				
70	77.6	67.2	59.8	56.0	53.3	51.6	50.6	49.7	49.2	49.0	49.0	49.0	48.9	48.8	48.9				
75	42.7	36.5	33.2	33.0	33.7	34.9	36.2	36.1	35.9	35.6	35.3	35.0	34.9	34.9	34.9				
80	25.7	23.3	22.0	21.8	22.0	22.3	22.7	22.6	22.5	22.3	22.1	22.0	22.0	22.0	22.0				
85	7.22	9.31	10.6	11.0	11.1	11.0	10.8	10.7	10.6	10.4	10.3	10.2	10.1	10.1	10.1				
90	1.18	1.27	1.31	1.27	1.23	1.17	1.12	1.09	1.06	1.03	1.00	0.97	0.92	0.88	0.83				
95	50.8	36.2	26.5	22.0	19.3	18.0	17.7	17.1	16.8	16.9	17.1	17.1	16.8	16.5	16.1				
100	143	128	112	96.8	82.1	68.5	56.4	48.7	42.8	38.3	35.1	32.5	30.3	28.9	28.4				
105	249	235	219	198	177	157	138	125	115	106	99.8	94.7	90.9	88.7	88.1				
110	373	362	346	323	299	275	252	234	219	206	195	186	179	174	171				
115	521	511	494	469	443	416	390	369	351	335	321	310	302	296	293				
120	702	691	675	654	631	607	582	557	533	511	491	476	467	460	458				
125	926	914	900	885	868	849	828	800	772	745	719	699	685	675	669				
130	1182	1171	1158	1144	1129	1114	1097	1077	1057	1038	1019	1002	988	976	966				
135	1444	1434	1423	1410	1396	1383	1370	1358	1347	1337	1327	1318	1310	1302	1296				
140	1678	1671	1662	1652	1642	1631	1622	1614	1607	1600	1595	1590	1585	1582	1579				
145	1869	1864	1858	1851	1843	1836	1829	1824	1819	1815	1812	1809	1806	1803	1801				
150	2018	2014	2010	2004	1999	1994	1989	1986	1983	1981	1979	1977	1975	1973	1971				
155	2133	2131	2127	2123	2119	2115	2112	2110	2108	2107	2106	2105	2103	2102	2100				
160	2223	2221	2218	2215	2213	2210	2208	2206	2205	2205	2204	2203	2202	2201	2200				
165	2291	2289	2288	2286	2284	2282	2281	2280	2279	2278	2278	2278	2277	2276	2276				
170	2338	2337	2337	2335	2334	2333	2332	2332	2332	2332	2332	2332	2332	2332	2331				
175	2367	2367	2367	2366	2366	2366	2365	2365	2366	2366	2367	2367	2367	2367	2367				
180	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-03-28

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: