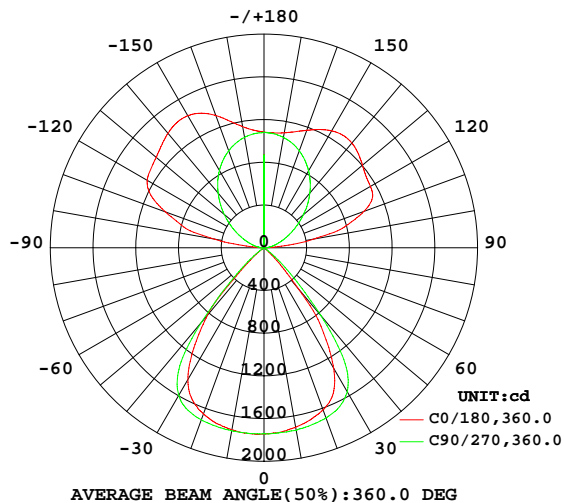


LUMINAIRE PHOTOMETRIC TEST REPORT

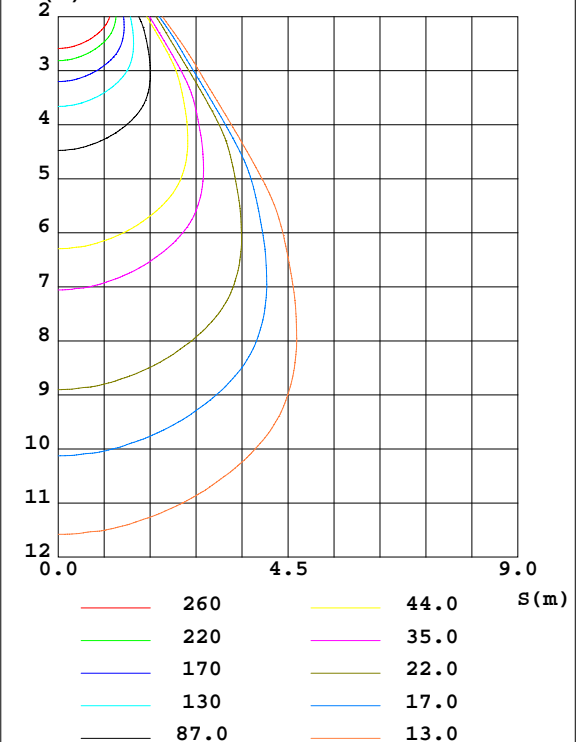
Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.10 lm/W			
MODEL		Imax(cd)	1749	S/MH(C0/180)	1.13
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7388.3	η UP,DN(C0-180)	31.6,18.0
NOMINAL FLUX(lm)	7388.32	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	31.9,18.4
LAMPS INSIDE	1	η up(%)	63.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	36.5	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

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:

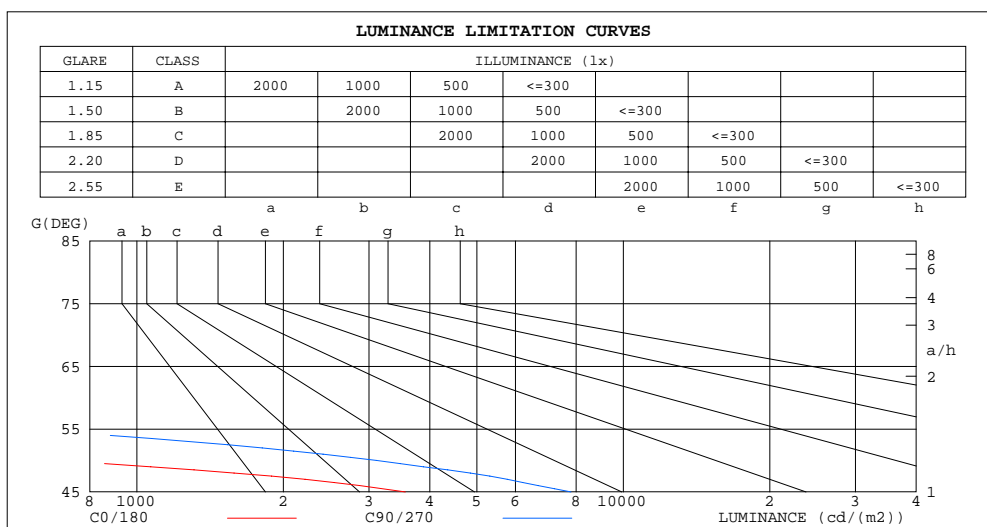
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1707	1717	1736	1736	1731	1742	1741	1723	0- 10	165.8	165.8	2.24,2.24
20	1616	1675	1696	1698	1657	1714	1715	1685	10- 20	483.7	649.5	8.79,8.79
30	1308	1604	1558	1636	1426	1665	1595	1630	20- 30	754.9	1404	19,19
40	500.9	1014	830.1	1166	825.0	1235	915.0	1016	30- 40	818.4	2223	30.1,30.1
50	30.16	246.3	137.4	417.2	109.6	463.2	159.5	235.5	40- 50	401.3	2624	35.5,35.5
60	2.337	15.71	2.493	41.30	3.719	48.64	2.974	15.87	50- 60	63.39	2687	36.4,36.4
70	1.479	1.057	1.151	1.315	1.765	1.082	1.073	0.9962	60- 70	3.418	2691	36.4,36.4
80	1.031	0.7919	0.5586	0.9620	2.268	0.5569	0.6013	0.5383	70- 80	1.088	2692	36.4,36.4
90	0.4897	1.143	0.6873	2.921	3.162	1.143	0.7388	0.6959	80- 90	1.173	2693	36.5,36.5
100	472.9	531.9	67.61	555.2	470.5	569.4	69.64	541.1	90-100	192.1	2885	39.1,39.1
110	994.7	733.3	163.8	810.9	981.5	824.5	167.9	730.3	100-110	566.9	3452	46.7,46.7
120	1151	896.9	304.7	987.6	1263	996.0	310.7	897.1	110-120	746.5	4199	56.8,56.8
130	1204	1017	481.4	1134	1318	1141	486.0	1013	120-130	798.7	4997	67.6,67.6
140	1281	1064	667.8	1204	1400	1213	669.0	1060	130-140	781.2	5779	78.2,78.2
150	1265	1067	834.2	1193	1428	1201	835.9	1065	140-150	683.2	6462	87.5,87.5
160	1171	1060	966.5	1141	1318	1143	967.6	1063	150-160	513.2	6975	94.4,94.4
170	1094	1065	1050	1102	1152	1101	1050	1067	160-170	310.0	7285	98.6,98.6
180	1084	1084	1084	1084	1084	1084	1084	1084	170-180	103.3	7388	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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

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:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	128	83
80	86	47
75	76	44
70	63	49
65	63	54
60	68	72
55	134	579
50	682	3107
45	3564	7804

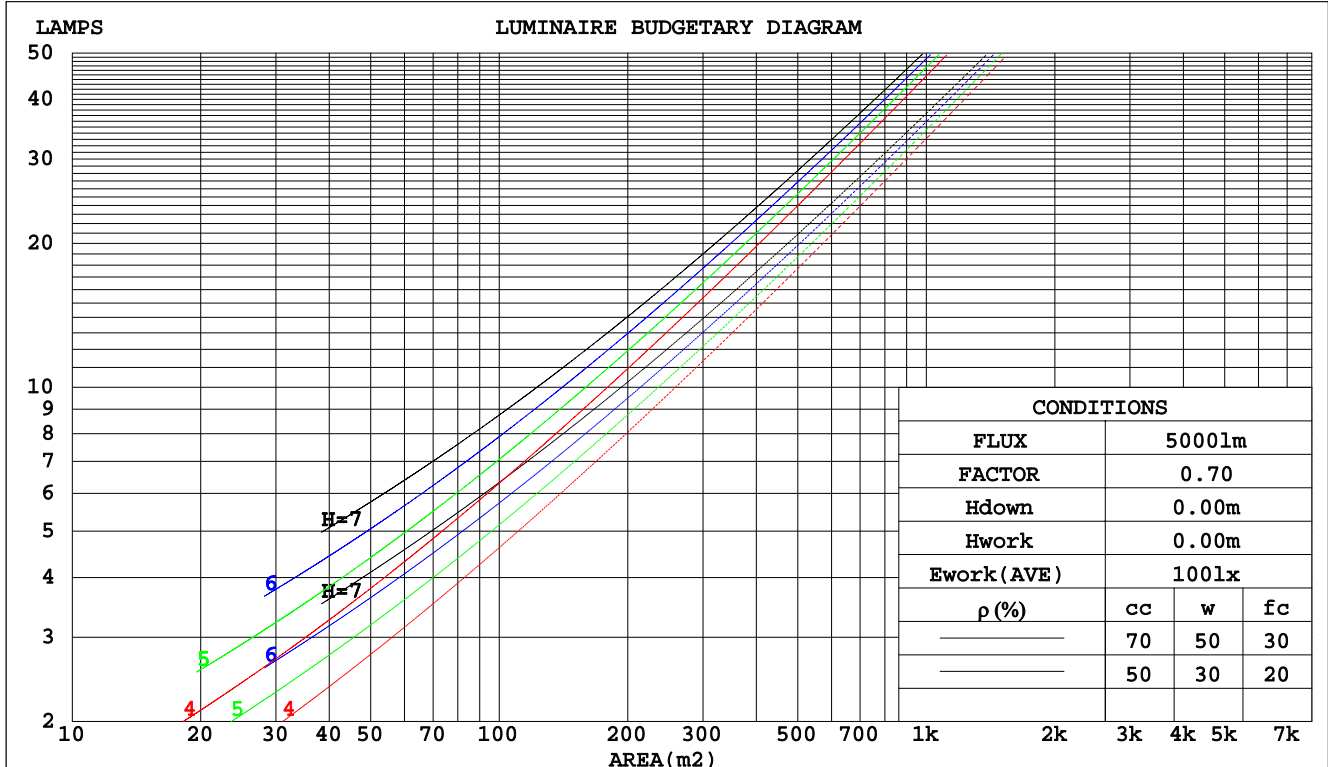
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-09-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.04	1.04	1.04	.94	.94	.94	.76	.76	.76	.59	.59	.59	.44	.44	.44	.36
1.0	.93	.89	.86	.84	.81	.79	.68	.67	.65	.54	.53	.52	.41	.40	.40	.34
2.0	.83	.77	.73	.75	.71	.67	.62	.59	.56	.49	.47	.46	.38	.37	.36	.31
3.0	.74	.68	.63	.68	.62	.58	.56	.52	.49	.45	.43	.41	.35	.34	.32	.28
4.0	.66	.60	.54	.61	.55	.51	.51	.47	.43	.41	.38	.36	.32	.31	.29	.25
5.0	.60	.53	.48	.55	.49	.45	.46	.42	.38	.38	.35	.32	.30	.28	.26	.23
6.0	.54	.47	.42	.50	.44	.39	.42	.38	.34	.35	.32	.29	.28	.26	.24	.21
7.0	.49	.42	.37	.46	.40	.35	.39	.34	.31	.32	.29	.26	.26	.24	.22	.19
8.0	.45	.38	.33	.42	.36	.32	.35	.31	.28	.30	.26	.24	.24	.22	.20	.18
9.0	.41	.35	.30	.38	.33	.28	.33	.28	.25	.27	.24	.22	.22	.20	.18	.16
10.0	.38	.32	.27	.35	.30	.26	.30	.26	.23	.25	.22	.20	.21	.19	.17	.15



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

WEC AND CCEC

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1650*48*76			SERIAL No.:		
MFR.:			SUR.:1.64*0.042			Shielding Angle:		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.235	.134	.042	.209	.119	.038	.160	.092	.029	.115	.067	.021	.074	.043	.014	
2.0	.220	.121	.037	.196	.108	.033	.152	.085	.026	.111	.062	.019	.073	.041	.013	
3.0	.206	.110	.033	.184	.099	.030	.144	.078	.024	.106	.058	.018	.071	.039	.012	
4.0	.193	.100	.029	.173	.091	.027	.136	.072	.021	.101	.054	.016	.069	.037	.011	
5.0	.181	.092	.027	.163	.084	.024	.128	.067	.020	.096	.051	.015	.066	.035	.011	
6.0	.170	.085	.024	.153	.077	.022	.121	.062	.018	.091	.047	.014	.063	.033	.010	
7.0	.160	.079	.022	.145	.072	.021	.115	.058	.017	.087	.045	.013	.061	.032	.009	
8.0	.151	.074	.021	.137	.067	.019	.109	.054	.016	.083	.042	.012	.058	.030	.009	
9.0	.143	.069	.019	.130	.063	.018	.104	.051	.015	.079	.040	.011	.056	.029	.008	
10.0	.136	.065	.018	.123	.059	.017	.099	.048	.014	.076	.038	.011	.054	.027	.008	

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	.675	.675	.675	.577	.577	.577	.394	.394	.394	.226	.226	.226	.072	.072	.072	
1.0	.663	.645	.628	.568	.554	.541	.388	.381	.374	.223	.220	.218	.072	.071	.070	
2.0	.654	.624	.598	.560	.537	.517	.384	.371	.361	.221	.216	.211	.071	.070	.069	
3.0	.646	.608	.577	.554	.524	.501	.380	.364	.351	.220	.213	.207	.071	.069	.068	
4.0	.639	.596	.563	.549	.515	.489	.377	.359	.344	.218	.210	.204	.070	.068	.067	
5.0	.633	.587	.553	.544	.508	.481	.374	.355	.339	.217	.208	.201	.070	.068	.066	
6.0	.627	.579	.545	.539	.502	.475	.372	.351	.336	.216	.207	.200	.070	.068	.066	
7.0	.622	.573	.539	.535	.497	.470	.369	.348	.333	.215	.205	.198	.069	.067	.066	
8.0	.617	.568	.535	.531	.493	.466	.367	.346	.331	.214	.204	.197	.069	.067	.065	
9.0	.612	.564	.531	.527	.489	.464	.365	.344	.329	.213	.203	.196	.069	.067	.065	
10.0	.607	.560	.529	.524	.486	.461	.363	.342	.328	.212	.202	.196	.069	.066	.065	

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 1650*48*76			SERIAL No.:				
MFR.:			SUR.:1.64*0.042			Shielding Angle:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	10.8	11.5	11.8	12.5	13.8	12.7	13.5	13.7	14.4	15.7
3H	10.4	11.1	11.5	12.1	13.4	12.4	13.1	13.4	14.0	15.3
4H	10.3	10.9	11.3	11.9	13.2	12.2	12.8	13.2	13.8	15.1
6H	10.1	10.6	11.1	11.7	13.0	12.0	12.6	13.1	13.6	14.9
8H	10.0	10.5	11.0	11.5	12.9	11.9	12.5	13.0	13.5	14.8
12H	9.9	10.4	10.9	11.4	12.8	11.8	12.3	12.9	13.4	14.7
4H 2H	10.3	10.9	11.3	11.9	13.2	12.2	12.8	13.2	13.8	15.1
3H	9.9	10.4	11.0	11.4	12.8	11.8	12.4	12.9	13.4	14.7
4H	9.7	10.2	10.8	11.2	12.6	11.7	12.1	12.7	13.1	14.5
6H	9.5	9.9	10.6	11.0	12.4	11.5	11.8	12.5	12.9	14.3
8H	9.4	9.8	10.5	10.8	12.3	11.4	11.7	12.4	12.8	14.2
12H	9.3	9.6	10.4	10.7	12.2	11.2	11.6	12.3	12.7	14.1
8H 4H	9.4	9.8	10.5	10.8	12.3	11.4	11.7	12.4	12.8	14.2
6H	9.2	9.5	10.3	10.6	12.1	11.1	11.4	12.3	12.5	14.0
8H	9.1	9.4	10.2	10.5	11.9	11.0	11.3	12.2	12.4	13.9
12H	9.0	9.2	10.1	10.3	11.8	10.9	11.1	12.1	12.3	13.8
12H 4H	9.3	9.6	10.4	10.7	12.2	11.2	11.6	12.3	12.7	14.1
6H	9.1	9.4	10.2	10.5	11.9	11.0	11.3	12.2	12.4	13.9
8H	9.0	9.2	10.1	10.3	11.8	10.9	11.1	12.1	12.3	13.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -24.2					+ 2.8 / -22.3				
1.5H	+ 4.1 / -18.4					+ 4.3 / -10.7				
2.0H	+ 5.8 / -17.1					+ 6.2 / -22.6				

CIE Pub.117, 7388 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.9$)

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

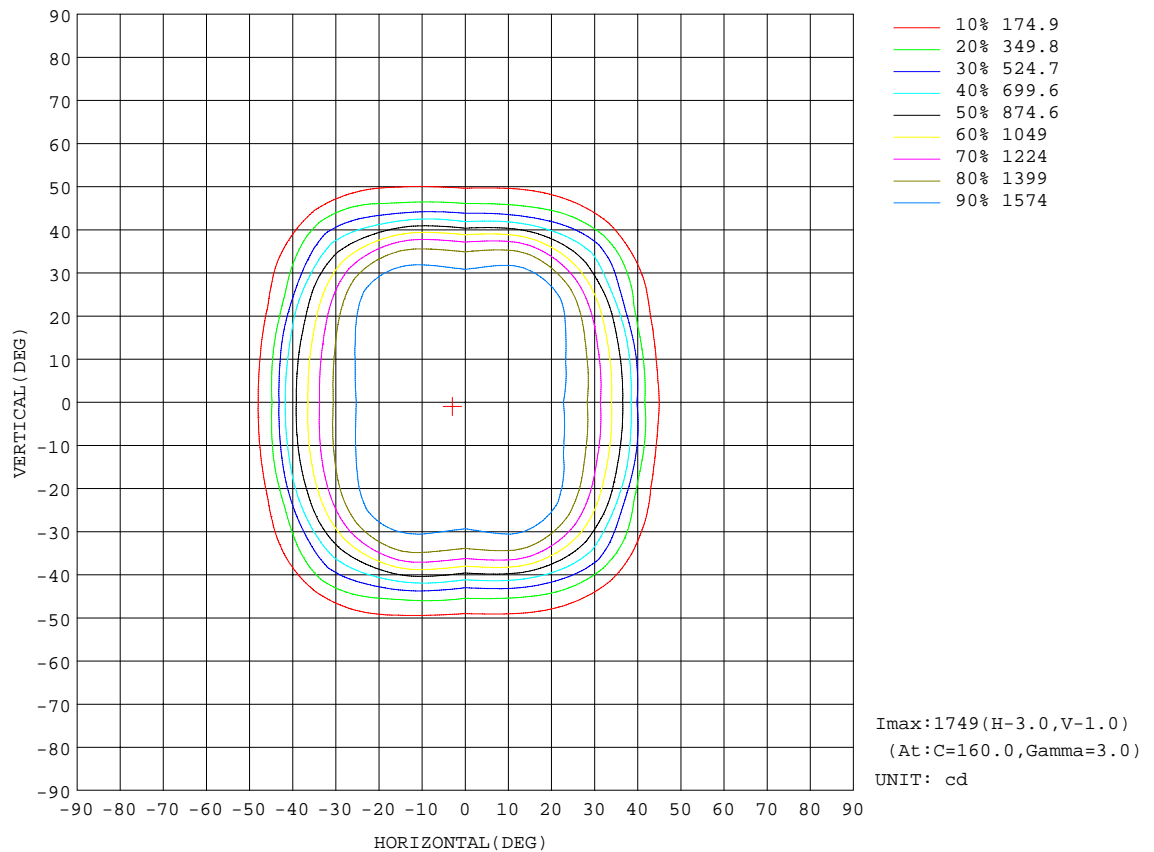
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	38	33	45	37	32	40	34	30	23
0.80	57	47	41	53	44	39	47	40	36	26
1.00	63	53	47	59	50	45	51	45	41	29
1.25	70	60	53	65	56	50	55	49	45	31
1.50	74	65	58	69	61	55	58	53	48	32
2.00	80	72	66	74	67	61	62	57	53	33
2.50	84	76	70	77	71	66	64	60	56	34
3.00	87	80	75	80	74	69	66	62	59	34
4.00	91	85	80	83	78	74	68	65	62	35
5.00	93	88	84	85	81	77	70	67	65	35
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

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:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

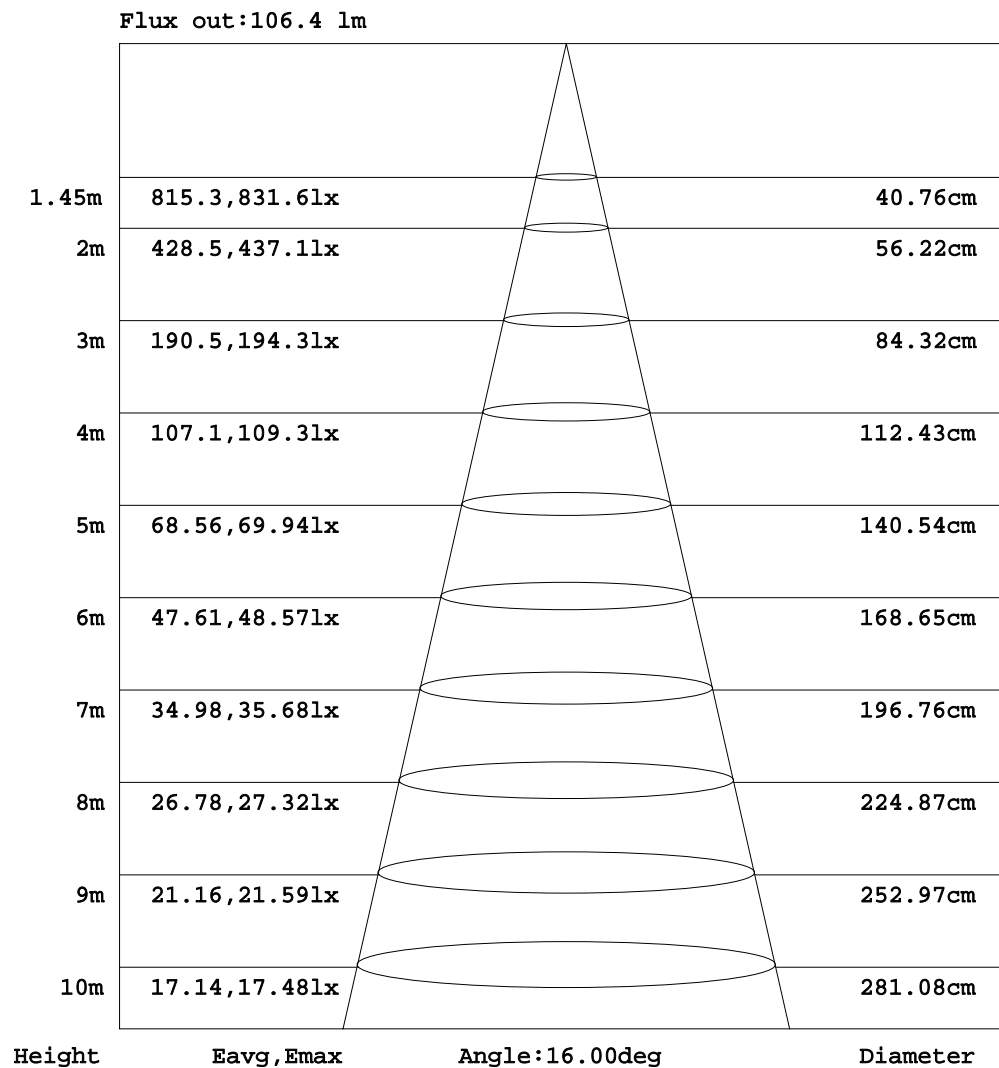


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-09-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

AAI Figure

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



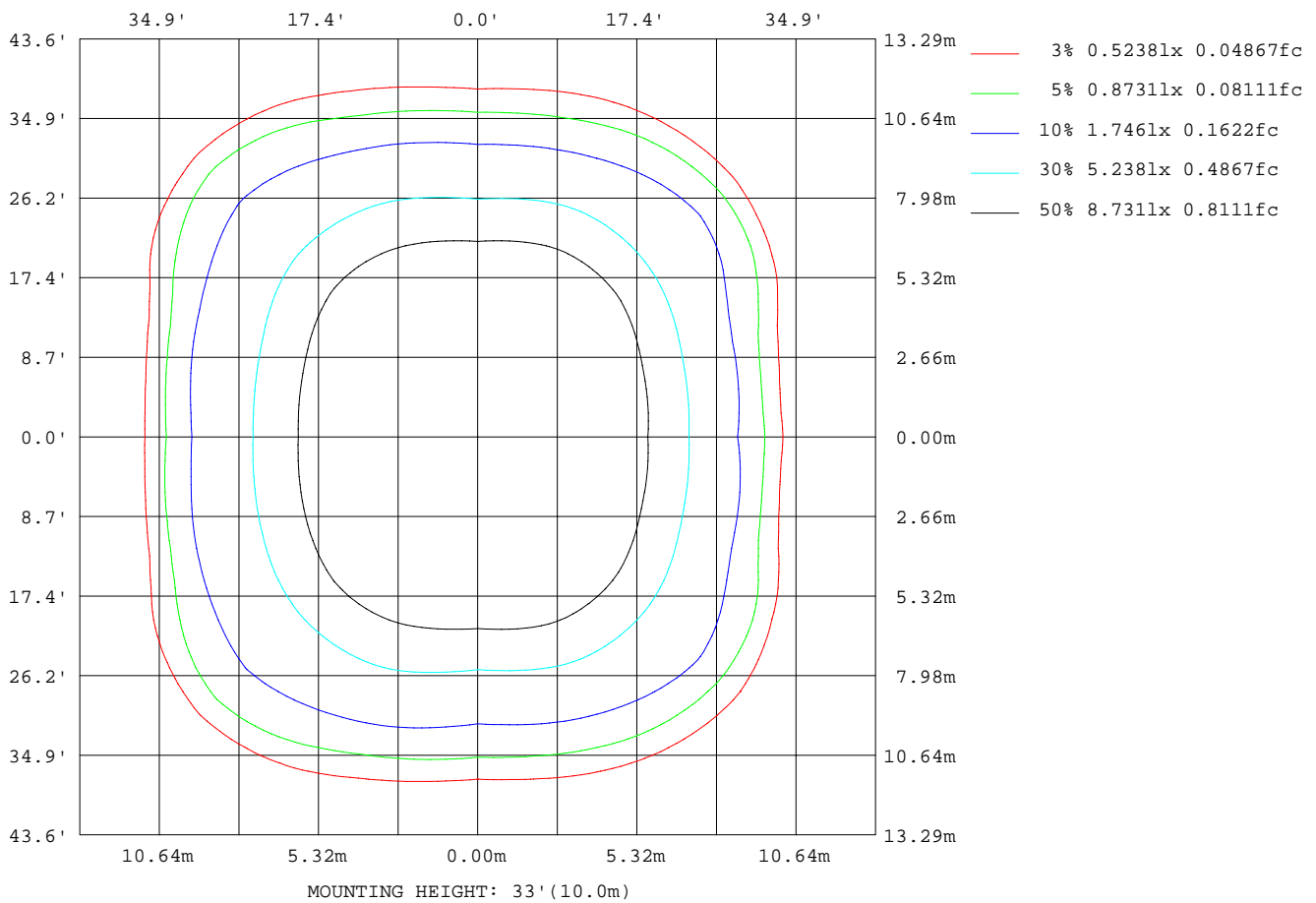
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

ISOLUX DIAGRAM

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

LED Avg.L Report

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

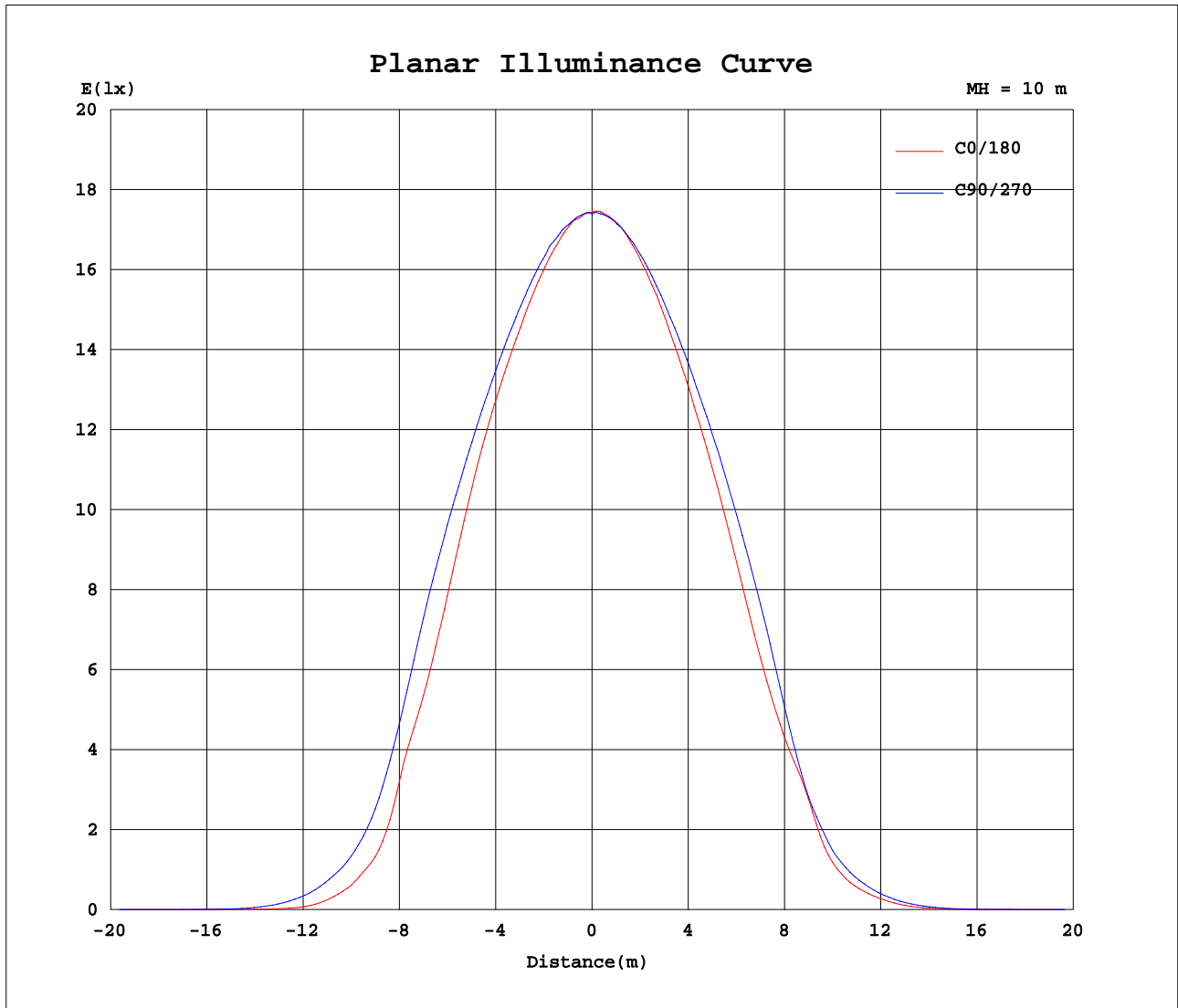
AvgL	cd/m2
L_0~180(65)av	66
L_0~180(75)av	87
L_0~180(85)av	286
L_90~270(65)av	53
L_90~270(75)av	42
L_90~270(85)av	91
L_45(65)av	135
L_45(75)av	44
L_45(85)av	155

Standard: GB/T 29293-2012

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

Planar Illuminance Curve



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

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:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1650*48*76					SERIAL No.:				
MFR.:									SUR.:1.64*0.042					Shielding Angle:				

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1743	1744	1745	1746	1746	1746	1746	1745	1744	1744	1744	1744	1744	1744	1743	1742	1741	1741	1740
5	1734	1733	1733	1732	1732	1731	1731	1731	1731	1732	1733	1734	1736	1737	1738	1738	1738	1738	1738
10	1707	1708	1709	1710	1711	1712	1713	1714	1715	1717	1719	1722	1724	1727	1729	1732	1733	1735	1736
15	1670	1671	1673	1675	1678	1681	1686	1691	1696	1700	1704	1708	1712	1714	1716	1717	1717	1718	1718
20	1616	1619	1623	1628	1634	1641	1649	1658	1667	1675	1681	1685	1689	1692	1694	1694	1695	1695	1696
25	1522	1530	1539	1550	1563	1580	1600	1620	1639	1656	1666	1672	1675	1676	1674	1669	1664	1659	1655
30	1308	1323	1342	1366	1394	1432	1477	1523	1566	1604	1622	1632	1636	1633	1622	1605	1587	1570	1558
35	974	987	1009	1040	1078	1132	1200	1269	1337	1397	1433	1459	1473	1477	1459	1423	1385	1351	1326
40	501	551	603	656	712	774	841	906	964	1014	1043	1060	1064	1057	1022	965	908	860	830
45	173	170	180	204	241	305	392	479	560	626	626	608	577	537	495	455	419	393	380
50	30.2	31.6	38.7	51.4	69.7	99.7	139	179	216	246	248	242	229	213	194	175	157	144	137
55	5.29	0.77	0.00	1.41	6.56	18.0	34.8	52.0	67.9	80.7	78.9	73.2	64.9	55.0	45.5	37.1	30.1	25.1	22.8
60	2.34	1.18	0.68	0.84	1.66	3.84	7.16	10.5	13.5	15.7	14.2	11.9	9.13	6.21	4.16	3.13	2.52	2.31	2.49
65	1.83	1.79	1.76	1.73	1.71	1.71	1.72	1.73	1.74	1.73	1.68	1.62	1.56	1.51	1.49	1.50	1.52	1.55	1.58
70	1.48	1.45	1.42	1.38	1.34	1.28	1.22	1.16	1.10	1.06	1.05	1.05	1.06	1.08	1.10	1.11	1.12	1.14	1.15
75	1.36	1.28	1.21	1.14	1.08	1.01	0.95	0.89	0.84	0.79	0.75	0.72	0.70	0.69	0.69	0.71	0.74	0.76	0.79
80	1.03	0.95	0.89	0.84	0.80	0.78	0.78	0.79	0.79	0.79	0.75	0.70	0.65	0.60	0.57	0.55	0.55	0.55	0.56
85	0.76	0.80	0.82	0.85	0.87	0.89	0.91	0.92	0.92	0.90	0.84	0.78	0.71	0.63	0.58	0.54	0.52	0.50	0.50
90	0.49	0.42	0.39	0.39	0.42	0.52	0.67	0.83	0.99	1.14	1.23	1.29	1.32	1.31	1.23	1.08	0.92	0.79	0.69
95	133	149	165	180	193	209	226	238	245	244	216	181	143	105	75.3	56.2	42.5	34.5	32.4
100	473	479	484	490	497	511	531	544	546	532	458	372	280	192	130	96.1	75.5	66.4	67.6
105	795	807	812	810	801	787	768	739	700	648	557	459	359	266	197	155	127	113	111
110	995	1005	1005	995	976	947	909	860	802	733	637	537	438	344	272	223	189	169	164
115	1121	1114	1100	1080	1053	1020	982	936	881	816	722	622	522	428	353	299	260	236	228
120	1151	1140	1124	1104	1080	1055	1028	994	951	897	806	708	609	514	437	381	340	314	305
125	1167	1160	1150	1135	1117	1098	1078	1051	1015	967	881	786	689	596	521	466	425	399	390
130	1204	1202	1195	1184	1168	1150	1129	1101	1064	1017	936	848	758	672	602	551	513	489	481
135	1248	1249	1243	1233	1216	1195	1170	1137	1097	1049	974	895	816	741	680	635	603	583	577
140	1281	1281	1274	1262	1244	1220	1190	1154	1112	1064	999	932	865	803	752	715	688	672	668
145	1288	1285	1277	1264	1245	1220	1189	1153	1113	1069	1016	961	908	858	819	789	769	757	754
150	1265	1261	1252	1239	1222	1198	1170	1138	1103	1067	1025	984	945	909	880	858	843	835	834
155	1222	1217	1209	1197	1183	1164	1142	1117	1091	1063	1034	1006	979	954	935	920	911	906	906
160	1171	1166	1159	1151	1140	1127	1112	1095	1078	1060	1042	1025	1008	994	982	974	968	966	966
165	1125	1122	1118	1112	1106	1098	1089	1080	1070	1061	1051	1042	1034	1027	1021	1017	1014	1014	1015
170	1094	1091	1088	1085	1082	1079	1075	1072	1068	1065	1060	1056	1053	1050	1048	1047	1047	1048	1050
175	1080	1078	1076	1075	1074	1073	1072	1071	1071	1070	1070	1069	1069	1069	1069	1069	1069	1070	1071
180	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 11.700m [K=0.8547]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1740	1741	1742	1743	1744	1744	1745	1745	1746	1747	1747	1747	1747	1747	1746	1745	1744	1743	1743
5	1738	1739	1740	1741	1742	1743	1744	1745	1746	1746	1747	1747	1748	1747	1747	1746	1746	1745	1746
10	1736	1736	1736	1736	1735	1735	1736	1736	1736	1736	1736	1736	1736	1736	1735	1734	1733	1732	1731
15	1719	1721	1722	1723	1724	1723	1723	1722	1721	1719	1718	1716	1714	1712	1710	1708	1707	1706	1707
20	1697	1699	1700	1702	1702	1702	1702	1700	1698	1695	1690	1686	1680	1675	1669	1663	1659	1657	1659
25	1658	1663	1669	1675	1678	1679	1678	1675	1670	1661	1649	1637	1625	1612	1601	1591	1584	1580	1585
30	1568	1583	1600	1618	1632	1640	1644	1643	1636	1615	1589	1560	1530	1501	1474	1452	1435	1426	1434
35	1355	1393	1438	1482	1513	1529	1535	1531	1516	1474	1423	1368	1312	1262	1220	1185	1160	1146	1155
40	882	951	1028	1105	1156	1178	1187	1183	1166	1124	1074	1019	964	918	882	854	835	825	832
45	410	453	505	561	617	668	711	743	760	730	685	631	570	508	449	397	358	334	357
50	149	167	192	222	263	314	360	396	417	380	329	271	210	166	141	123	113	110	111
55	28.3	36.7	47.4	59.8	75.5	93.1	109	121	128	115	96.7	75.8	54.4	38.3	28.7	21.8	17.6	16.2	16.8
60	2.33	2.77	4.04	6.35	12.1	20.7	29.2	36.4	41.3	36.0	28.4	19.6	10.7	5.22	3.43	2.77	2.96	3.72	2.63
65	1.46	1.38	1.38	1.51	2.08	3.06	4.04	4.90	5.52	4.97	4.18	3.27	2.35	1.83	1.74	1.78	1.89	2.03	1.87
70	1.17	1.18	1.19	1.21	1.23	1.24	1.26	1.29	1.31	1.35	1.39	1.43	1.48	1.54	1.61	1.67	1.72	1.76	1.77
75	0.80	0.81	0.82	0.83	0.85	0.87	0.91	0.94	0.99	1.05	1.12	1.20	1.28	1.38	1.50	1.60	1.69	1.75	1.75
80	0.56	0.57	0.59	0.62	0.67	0.73	0.79	0.87	0.96	1.05	1.15	1.26	1.39	1.56	1.77	1.97	2.14	2.27	2.25
85	0.48	0.48	0.50	0.57	0.72	0.96	1.23	1.50	1.76	1.92	2.06	2.18	2.28	2.39	2.51	2.60	2.66	2.66	2.57
90	0.74	0.84	1.00	1.22	1.51	1.87	2.24	2.60	2.92	3.08	3.18	3.25	3.27	3.29	3.30	3.28	3.24	3.16	3.03
95	38.3	49.9	67.0	89.2	121	162	201	237	265	264	255	238	217	193	167	143	123	111	123
100	70.4	83.4	108	145	210	300	393	481	555	570	569	556	535	516	501	488	477	471	480
105	116	133	165	211	288	393	502	608	704	747	774	789	795	797	799	797	794	790	794
110	172	195	233	288	371	479	593	706	811	874	923	959	984	997	999	996	989	981	990
115	240	267	311	371	456	565	680	794	901	971	1028	1074	1109	1135	1154	1165	1170	1170	1170
120	318	348	395	458	546	655	770	883	988	1050	1100	1139	1169	1197	1223	1244	1257	1263	1258
125	404	435	483	545	633	743	856	967	1068	1122	1162	1191	1212	1233	1256	1274	1287	1293	1287
130	495	525	570	630	715	821	930	1037	1134	1184	1219	1244	1261	1277	1294	1307	1315	1318	1315
135	589	615	656	710	788	886	988	1088	1180	1230	1267	1294	1312	1328	1342	1351	1356	1357	1356
140	678	701	737	784	853	939	1030	1120	1204	1256	1297	1329	1354	1373	1387	1396	1400	1400	1399
145	763	782	812	851	908	980	1057	1134	1207	1260	1305	1342	1373	1396	1413	1423	1428	1428	1428
150	842	857	880	912	956	1012	1072	1133	1193	1243	1288	1328	1362	1389	1407	1420	1427	1428	1425
155	912	924	941	964	996	1035	1078	1123	1168	1210	1251	1288	1321	1348	1367	1380	1388	1390	1387
160	971	980	992	1008	1028	1053	1081	1110	1141	1172	1202	1231	1257	1279	1295	1307	1315	1318	1313
165	1019	1024	1032	1041	1053	1068	1084	1101	1118	1136	1154	1171	1187	1200	1211	1219	1224	1227	1223
170	1052	1056	1060	1065	1071	1078	1085	1093	1102	1110	1118	1126	1134	1140	1145	1149	1151	1152	1149
175	1073	1074	1076	1078	1080	1082	1085	1087	1090	1092	1095	1097	1100	1102	1104	1105	1106	1106	1104
180	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1650*48*76					SERIAL No.:				
MFR.:									SUR.:1.64*0.042					Shielding Angle:				

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1744	1745	1746	1746	1746	1745	1744	1744	1744	1744	1744	1744	1743	1742	1741	1741	1740	1740	1741
5	1747	1747	1748	1748	1748	1747	1746	1746	1745	1745	1744	1744	1743	1743	1744	1744	1744	1743	1743
10	1732	1733	1735	1736	1738	1739	1741	1742	1743	1743	1743	1743	1743	1743	1742	1742	1741	1739	1737
15	1709	1711	1714	1717	1720	1724	1727	1730	1732	1734	1736	1736	1736	1735	1734	1732	1730	1728	1726
20	1664	1670	1678	1685	1693	1701	1708	1714	1719	1722	1724	1725	1725	1723	1721	1718	1715	1714	1712
25	1594	1606	1620	1635	1651	1667	1682	1695	1701	1705	1706	1706	1702	1697	1691	1686	1681	1683	1686
30	1451	1473	1501	1533	1569	1605	1637	1665	1675	1679	1677	1671	1658	1640	1622	1607	1595	1606	1620
35	1176	1208	1249	1304	1370	1435	1496	1548	1565	1570	1563	1548	1520	1483	1445	1413	1389	1412	1442
40	849	876	914	970	1041	1113	1180	1235	1251	1251	1237	1209	1159	1090	1022	961	915	942	985
45	398	451	513	585	662	732	791	831	809	768	713	650	590	535	486	446	418	426	445
50	120	137	164	215	286	356	418	463	441	401	350	294	248	216	191	171	160	166	178
55	20.3	27.0	37.0	55.5	81.1	106	129	145	138	124	106	86.2	68.9	55.6	44.3	35.5	29.7	31.7	36.5
60	2.19	2.77	4.75	11.3	22.1	32.7	42.0	48.6	42.9	34.3	24.2	13.9	7.19	4.53	3.12	2.69	2.97	2.90	3.25
65	1.75	1.73	1.86	2.55	3.72	4.90	5.91	6.61	5.82	4.72	3.47	2.21	1.47	1.28	1.26	1.35	1.51	1.52	1.55
70	1.75	1.72	1.66	1.56	1.43	1.30	1.18	1.08	1.10	1.13	1.18	1.23	1.24	1.20	1.15	1.11	1.07	1.10	1.14
75	1.71	1.64	1.54	1.39	1.20	1.01	0.84	0.70	0.72	0.76	0.83	0.89	0.91	0.86	0.81	0.76	0.72	0.74	0.77
80	2.16	2.03	1.85	1.62	1.33	1.04	0.78	0.56	0.53	0.54	0.59	0.66	0.68	0.67	0.65	0.62	0.60	0.60	0.61
85	2.42	2.23	2.01	1.72	1.39	1.07	0.78	0.53	0.49	0.51	0.56	0.63	0.66	0.65	0.63	0.61	0.59	0.59	0.58
90	2.87	2.68	2.46	2.21	1.93	1.65	1.38	1.14	1.00	0.88	0.80	0.75	0.72	0.71	0.71	0.72	0.74	0.73	0.72
95	143	168	194	221	244	263	275	277	250	215	176	135	101	76.4	56.6	42.2	33.7	33.1	38.9
100	494	510	527	548	569	583	584	569	496	409	317	227	160	120	92.6	75.9	69.6	66.0	73.2
105	798	800	800	799	796	783	759	718	625	521	414	310	231	181	145	123	114	113	126
110	997	1001	999	988	965	931	885	824	722	612	500	392	308	250	208	180	168	170	188
115	1166	1155	1138	1113	1079	1035	980	912	808	697	584	477	390	328	280	249	233	238	258
120	1245	1226	1201	1174	1144	1106	1057	996	894	784	673	565	477	412	362	328	311	316	338
125	1275	1258	1235	1215	1195	1167	1128	1076	978	871	760	653	565	500	449	414	396	402	425
130	1307	1295	1279	1263	1247	1224	1189	1141	1047	944	836	733	647	585	537	503	486	492	513
135	1351	1342	1328	1314	1298	1273	1238	1191	1101	1003	902	804	725	667	623	593	578	582	601
140	1395	1386	1372	1354	1331	1301	1262	1213	1131	1042	953	867	797	747	709	683	669	672	687
145	1423	1413	1397	1375	1346	1310	1266	1215	1143	1067	991	919	861	820	789	768	757	758	770
150	1417	1404	1385	1359	1328	1291	1248	1201	1142	1081	1021	964	919	886	862	845	836	837	845
155	1377	1363	1343	1318	1287	1252	1214	1174	1129	1085	1042	1002	970	945	927	914	907	907	912
160	1304	1290	1272	1251	1227	1200	1172	1143	1114	1085	1057	1032	1011	995	982	973	968	967	969
165	1217	1208	1196	1183	1168	1152	1135	1118	1101	1085	1070	1055	1043	1033	1025	1019	1015	1014	1015
170	1145	1139	1133	1127	1121	1114	1108	1101	1093	1086	1079	1073	1067	1061	1057	1053	1050	1050	1049
175	1101	1099	1096	1094	1092	1091	1089	1087	1085	1083	1081	1079	1077	1076	1074	1073	1072	1071	1071
180	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.63V I:0.2506A P:57.231W PF:0.9945 Freq:49.99Hz Lamp Flux:7388.32x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1650*48*76						SERIAL No.:		
MFR.:									SUR.:1.64*0.042						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	1742	1743	1744	1744	1745	1745	1746	1747	1747	1747	1747	1747	1746	1746	1744				
5	1743	1742	1741	1740	1739	1738	1737	1736	1736	1736	1736	1736	1736	1735	1735				
10	1734	1732	1730	1728	1727	1725	1723	1722	1720	1718	1716	1714	1713	1711	1709				
15	1724	1722	1719	1716	1713	1709	1705	1701	1695	1690	1685	1681	1677	1674	1672				
20	1710	1708	1705	1701	1697	1691	1685	1676	1667	1657	1648	1639	1632	1626	1621				
25	1689	1692	1692	1689	1685	1677	1667	1650	1630	1610	1589	1572	1557	1544	1532				
30	1636	1651	1661	1663	1660	1649	1630	1590	1543	1494	1445	1404	1373	1347	1325				
35	1476	1506	1520	1513	1495	1466	1426	1360	1286	1211	1139	1081	1040	1008	986				
40	1034	1081	1105	1100	1083	1055	1016	959	895	827	758	696	642	592	545				
45	474	507	547	587	620	640	641	573	489	397	307	241	203	179	169				
50	194	212	226	237	243	243	236	205	169	130	92.7	64.5	47.4	36.0	30.2				
55	43.2	51.2	60.1	68.9	76.1	80.6	81.4	68.2	51.9	34.4	17.6	6.09	0.94	0.00	0.53				
60	4.00	5.13	7.16	9.90	12.5	14.6	15.9	13.6	10.6	7.28	3.99	1.81	0.96	0.77	1.22				
65	1.58	1.62	1.67	1.72	1.78	1.83	1.87	1.89	1.90	1.89	1.89	1.88	1.87	1.86	1.85				
70	1.17	1.20	1.19	1.13	1.07	1.03	1.00	1.06	1.15	1.25	1.35	1.42	1.46	1.48	1.49				
75	0.80	0.82	0.81	0.77	0.72	0.68	0.66	0.72	0.79	0.88	0.97	1.06	1.14	1.21	1.29				
80	0.61	0.62	0.61	0.58	0.55	0.54	0.54	0.59	0.66	0.74	0.81	0.88	0.93	0.97	1.00				
85	0.57	0.57	0.56	0.55	0.54	0.53	0.52	0.53	0.55	0.56	0.59	0.62	0.65	0.68	0.72				
90	0.71	0.70	0.69	0.69	0.69	0.69	0.70	0.73	0.76	0.79	0.81	0.79	0.75	0.68	0.60				
95	51.3	70.3	103	147	192	234	268	270	262	247	228	209	192	174	154				
100	92.7	126	189	279	373	463	541	561	565	556	540	526	516	504	489				
105	152	194	262	355	455	554	646	702	745	777	800	815	823	822	813				
110	220	267	339	432	532	633	730	801	861	912	953	982	1001	1010	1007				
115	295	347	422	517	618	719	816	881	936	982	1020	1052	1079	1100	1114				
120	377	430	506	603	704	804	897	952	995	1029	1056	1081	1105	1125	1140				
125	463	517	591	684	781	877	965	1014	1052	1081	1103	1122	1140	1154	1163				
130	549	598	667	753	842	931	1013	1063	1102	1133	1156	1175	1191	1201	1205				
135	632	676	737	811	890	969	1044	1095	1138	1173	1200	1222	1238	1248	1251				
140	713	750	800	862	928	995	1060	1110	1154	1192	1224	1249	1267	1278	1283				
145	790	818	858	906	958	1012	1066	1111	1153	1190	1223	1248	1267	1280	1287				
150	860	881	910	945	984	1024	1065	1103	1139	1171	1201	1224	1242	1254	1262				
155	922	936	956	980	1006	1035	1063	1092	1119	1144	1167	1186	1200	1211	1218				
160	975	984	995	1010	1027	1044	1063	1081	1099	1116	1132	1144	1154	1162	1168				
165	1018	1022	1028	1036	1044	1054	1064	1074	1084	1093	1102	1110	1115	1120	1123				
170	1050	1052	1054	1057	1060	1064	1067	1072	1076	1079	1083	1086	1089	1091	1093				
175	1071	1071	1071	1072	1072	1073	1074	1074	1075	1076	1077	1078	1078	1079	1079				
180	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084				

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks: