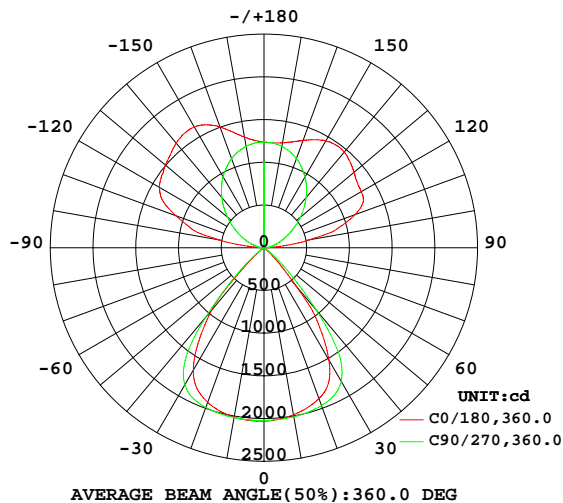


LUMINAIRE PHOTOMETRIC TEST REPORT

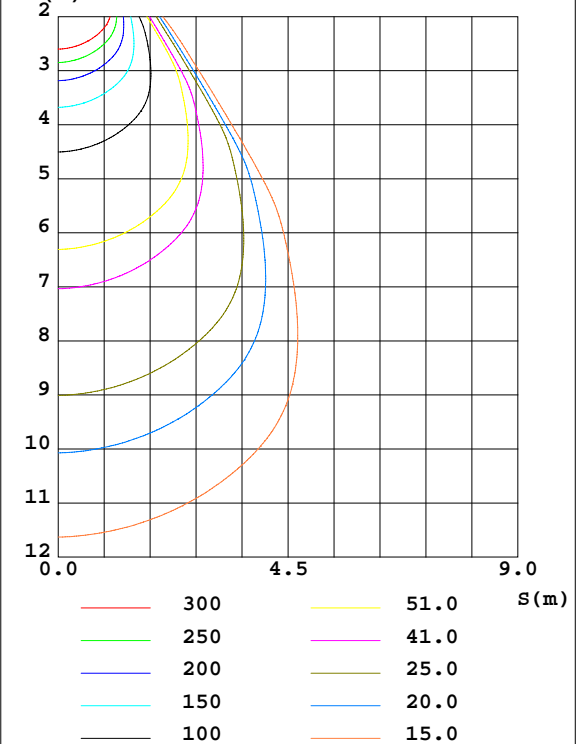
Test:U:229.63V I:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.12 lm/W			
MODEL		Imax(cd)	2030	S/MH(C0/180)	1.13
NOMINAL POWER(W)	70	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	8481.7	η UP,DN(C0-180)	31.5,18.2
NOMINAL FLUX(lm)	8481.68	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	31.6,18.6
LAMPS INSIDE	1	η up(%)	63.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	36.8	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:

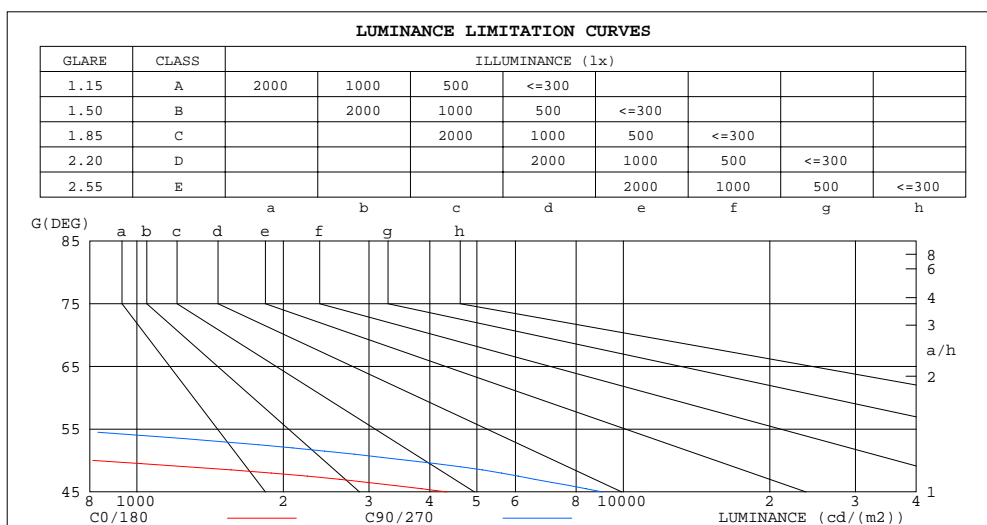
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1985	1995	2009	2012	2014	2024	2019	1997	0- 10	192.3	192.3	2.27,2.27
20	1880	1945	1966	1970	1926	1991	1989	1953	10- 20	561.2	753.5	8.88,8.88
30	1521	1865	1807	1897	1655	1933	1852	1889	20- 30	875.9	1629	19.2,19.2
40	587.9	1176	960.1	1350	955.9	1434	1062	1176	30- 40	949.5	2579	30.4,30.4
50	35.90	264.8	159.7	482.4	126.1	538.0	185.5	273.6	40- 50	466.2	3045	35.9,35.9
60	2.724	18.44	2.897	47.87	4.252	56.45	3.460	18.52	50- 60	73.60	3119	36.8,36.8
70	1.710	1.221	1.332	1.513	1.975	1.280	1.271	1.200	60- 70	3.967	3123	36.8,36.8
80	1.178	0.9085	0.6532	1.082	2.510	0.6571	0.7213	0.6527	70- 80	1.252	3124	36.8,36.8
90	0.5842	1.400	0.8161	3.359	3.488	1.426	0.8935	0.8419	80- 90	1.341	3125	36.8,36.8
100	538.7	613.3	78.10	628.4	536.6	642.8	80.05	622.9	90-100	219.2	3344	39.4,39.4
110	1134	841.3	189.3	915.1	1098	928.4	193.0	837.6	100-110	644.6	3989	47,47
120	1314	1030	350.8	1125	1413	1116	357.0	1027	110-120	847.8	4837	57,57
130	1377	1167	557.2	1300	1506	1273	557.8	1160	120-130	909.6	5746	67.8,67.8
140	1462	1221	768.4	1380	1598	1356	767.6	1215	130-140	891.1	6638	78.3,78.3
150	1444	1225	960.2	1369	1631	1374	958.7	1220	140-150	781.7	7419	87.5,87.5
160	1337	1219	1110	1310	1503	1312	1109	1219	150-160	588.3	8008	94.4,94.4
170	1249	1223	1206	1262	1317	1264	1207	1222	160-170	355.6	8363	98.6,98.6
180	1236	1236	1236	1236	1236	1236	1236	1236	170-180	118.4	8482	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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 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	156	99
80	99	55
75	86	51
70	73	57
65	73	63
60	79	84
55	158	670
50	812	3610
45	4330	9049

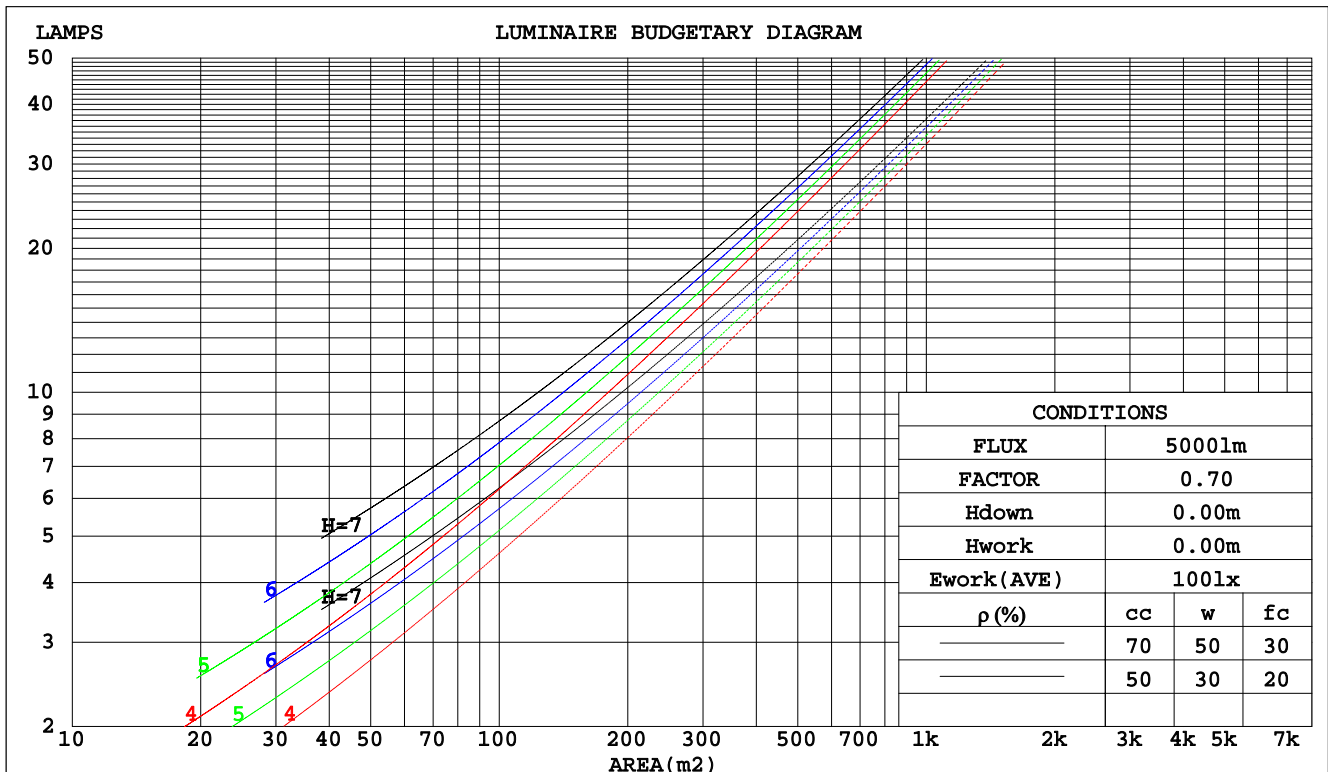
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-09-29

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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 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	.37
1.0	.93	.89	.86	.84	.82	.79	.69	.67	.65	.54	.53	.52	.41	.41	.40	.34
2.0	.83	.77	.73	.75	.71	.67	.62	.59	.57	.50	.48	.46	.38	.37	.36	.31
3.0	.74	.68	.63	.68	.63	.58	.56	.52	.49	.45	.43	.41	.35	.34	.33	.28
4.0	.67	.60	.55	.61	.55	.51	.51	.47	.43	.41	.39	.36	.33	.31	.29	.26
5.0	.60	.53	.48	.55	.49	.45	.46	.42	.39	.38	.35	.33	.30	.28	.27	.23
6.0	.54	.47	.42	.50	.44	.40	.42	.38	.34	.35	.32	.29	.28	.26	.24	.21
7.0	.50	.42	.38	.46	.40	.35	.39	.34	.31	.32	.29	.26	.26	.24	.22	.20
8.0	.45	.38	.34	.42	.36	.32	.36	.31	.28	.30	.26	.24	.24	.22	.20	.18
9.0	.42	.35	.30	.39	.33	.29	.33	.28	.25	.28	.24	.22	.22	.20	.19	.17
10.0	.38	.32	.27	.36	.30	.26	.30	.26	.23	.26	.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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 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	.116	.067	.021	.075	.043	.014		
2.0	.220	.121	.037	.196	.108	.033	.152	.085	.026	.111	.062	.020	.074	.042	.013		
3.0	.206	.109	.033	.184	.099	.030	.144	.078	.024	.106	.058	.018	.072	.040	.012		
4.0	.193	.100	.029	.173	.091	.027	.136	.072	.022	.101	.054	.016	.069	.038	.011		
5.0	.181	.092	.027	.163	.084	.024	.128	.067	.020	.096	.051	.015	.067	.036	.011		
6.0	.170	.085	.024	.153	.077	.022	.121	.062	.018	.092	.048	.014	.064	.034	.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	.055	.016	.083	.042	.012	.059	.030	.009		
9.0	.143	.069	.019	.130	.063	.018	.104	.051	.015	.079	.040	.011	.057	.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	.672	.672	.672	.574	.574	.574	.392	.392	.392	.225	.225	.225	.072	.072	.072	
1.0	.660	.642	.625	.565	.551	.538	.386	.379	.372	.222	.219	.216	.071	.071	.070	
2.0	.651	.621	.595	.558	.534	.514	.382	.370	.359	.220	.215	.210	.071	.070	.069	
3.0	.643	.605	.574	.551	.522	.498	.379	.363	.349	.219	.212	.206	.070	.069	.067	
4.0	.636	.593	.560	.546	.512	.486	.375	.357	.343	.217	.209	.203	.070	.068	.067	
5.0	.630	.584	.549	.541	.505	.478	.373	.353	.338	.216	.207	.200	.070	.068	.066	
6.0	.624	.576	.542	.536	.499	.472	.370	.349	.334	.215	.205	.198	.069	.067	.066	
7.0	.618	.570	.536	.532	.494	.467	.368	.346	.331	.214	.204	.197	.069	.067	.065	
8.0	.613	.565	.532	.528	.490	.464	.365	.344	.329	.213	.203	.196	.069	.067	.065	
9.0	.609	.561	.528	.524	.487	.461	.363	.342	.327	.212	.202	.195	.069	.066	.065	
10.0	.604	.557	.526	.521	.484	.459	.361	.340	.326	.211	.201	.194	.068	.066	.064	

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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 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		11.4	12.1	12.4	13.1	14.3	13.3	14.0	14.3	15.0	16.2
3H		11.0	11.7	12.0	12.7	14.0	12.9	13.6	13.9	14.6	15.9
4H		10.9	11.5	11.9	12.5	13.8	12.8	13.4	13.8	14.4	15.7
6H		10.7	11.2	11.7	12.2	13.6	12.6	13.1	13.6	14.1	15.5
8H		10.6	11.1	11.6	12.1	13.5	12.5	13.0	13.5	14.0	15.4
12H		10.5	11.0	11.5	12.0	13.4	12.4	12.9	13.4	13.9	15.3
4H	2H	10.9	11.5	11.9	12.5	13.8	12.8	13.4	13.8	14.4	15.7
	3H	10.5	11.0	11.6	12.0	13.4	12.4	12.9	13.4	13.9	15.3
	4H	10.3	10.8	11.4	11.8	13.2	12.2	12.6	13.3	13.7	15.1
	6H	10.1	10.5	11.2	11.6	13.0	12.0	12.4	13.1	13.4	14.9
	8H	10.0	10.4	11.1	11.4	12.9	11.9	12.2	13.0	13.3	14.7
	12H	9.9	10.2	11.0	11.3	12.8	11.8	12.1	12.9	13.2	14.6
8H	4H	10.0	10.4	11.1	11.4	12.9	11.9	12.2	13.0	13.3	14.7
	6H	9.8	10.1	10.9	11.2	12.6	11.7	12.0	12.8	13.1	14.5
	8H	9.7	10.0	10.8	11.1	12.5	11.6	11.8	12.7	12.9	14.4
	12H	9.6	9.8	10.7	10.9	12.4	11.5	11.7	12.6	12.8	14.3
12H	4H	9.9	10.2	11.0	11.3	12.8	11.8	12.1	12.9	13.2	14.6
	6H	9.7	10.0	10.8	11.1	12.5	11.6	11.8	12.7	12.9	14.4
	8H	9.6	9.8	10.7	10.9	12.4	11.5	11.7	12.6	12.8	14.3
Variations with the observer position at spacings:											
S = 1.0H		+ 2.8 / -24.3					+ 2.8 / -22.3				
1.5H		+ 4.1 / -18.4					+ 4.3 / -10.7				
2.0H		+ 5.8 / -17.4					+ 6.4 / -22.6				

CIE Pub.117, 8482 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.4$)

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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

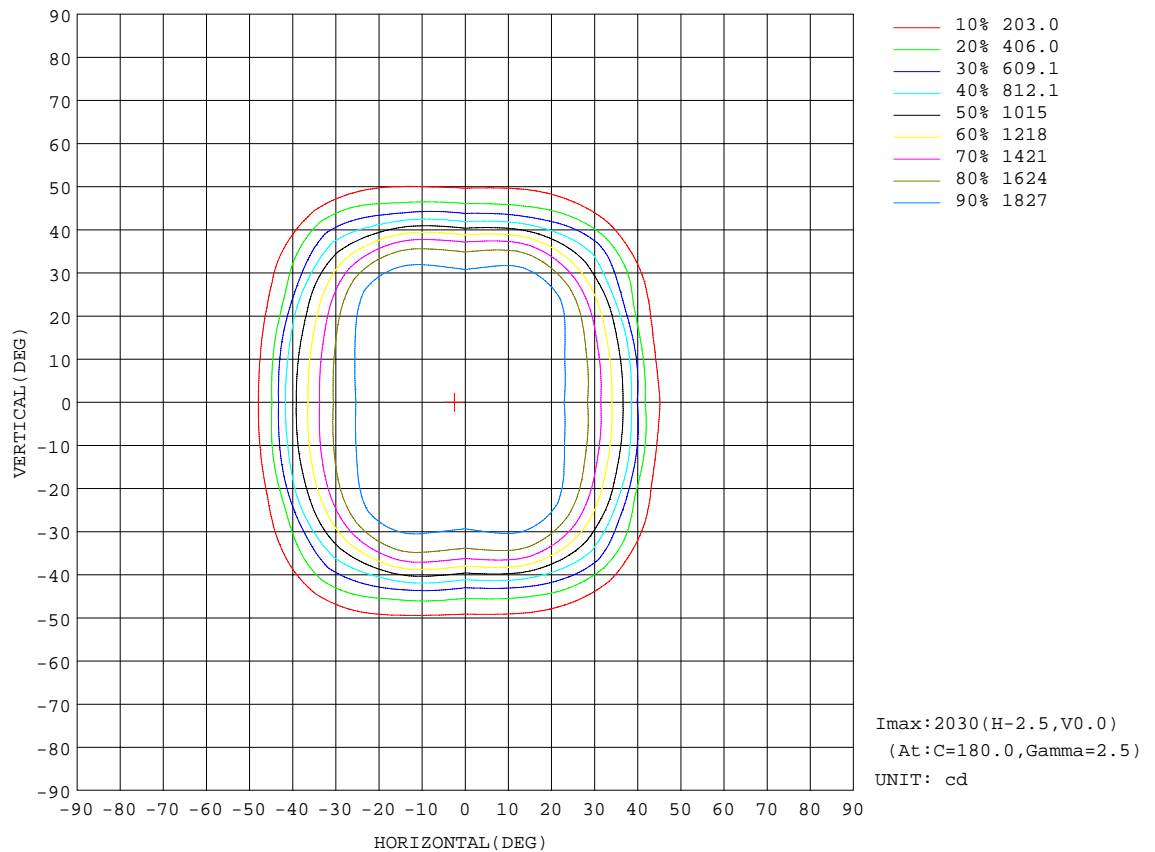
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	39	33	46	37	32	41	34	30	23
0.80	57	47	41	53	45	39	47	40	36	27
1.00	64	54	47	59	51	45	51	45	41	29
1.25	70	60	53	65	56	51	55	50	45	31
1.50	74	65	59	69	61	55	58	53	49	32
2.00	81	72	66	74	67	62	62	57	53	33
2.50	84	77	71	77	71	66	64	60	56	34
3.00	87	80	75	80	74	69	66	62	59	35
4.00	91	85	81	83	78	74	69	65	63	35
5.00	94	89	84	85	81	78	70	67	65	36
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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

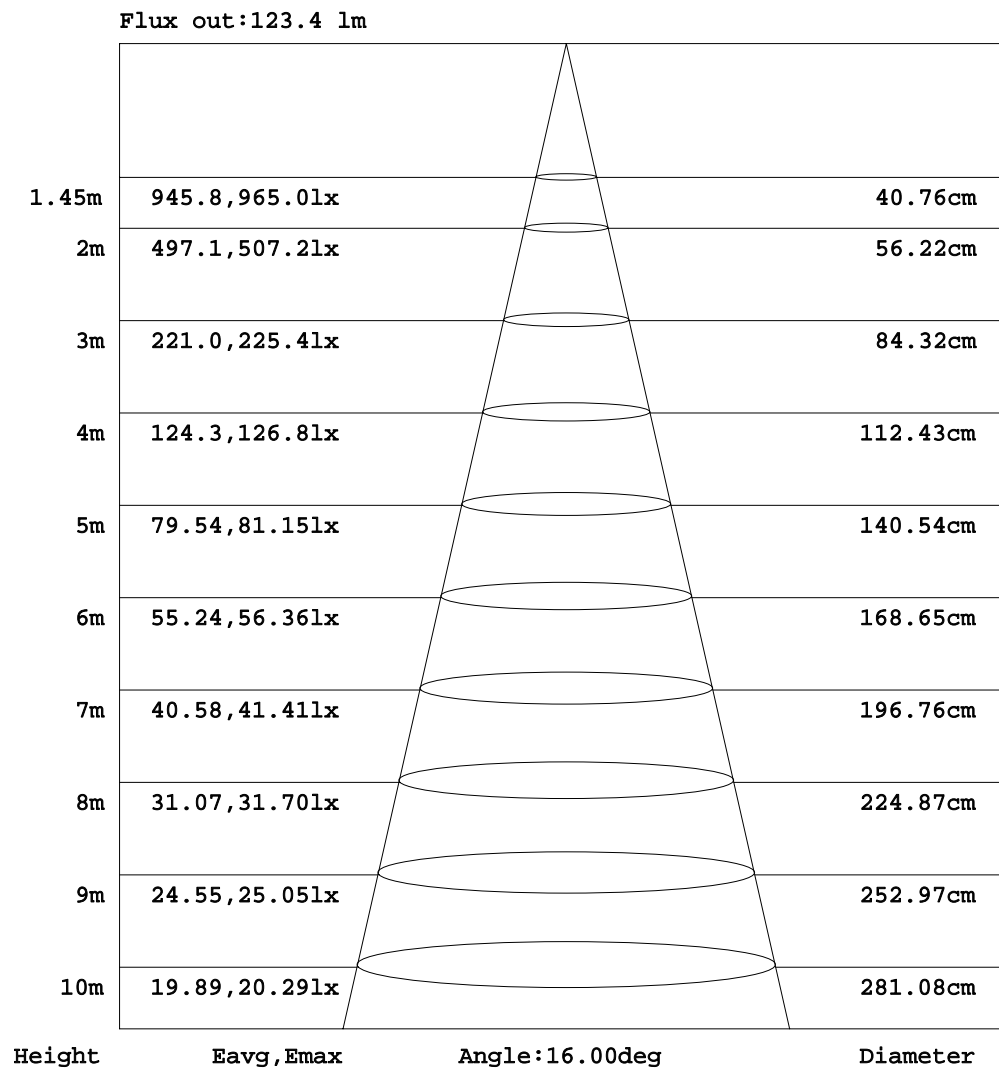


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-09-29

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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



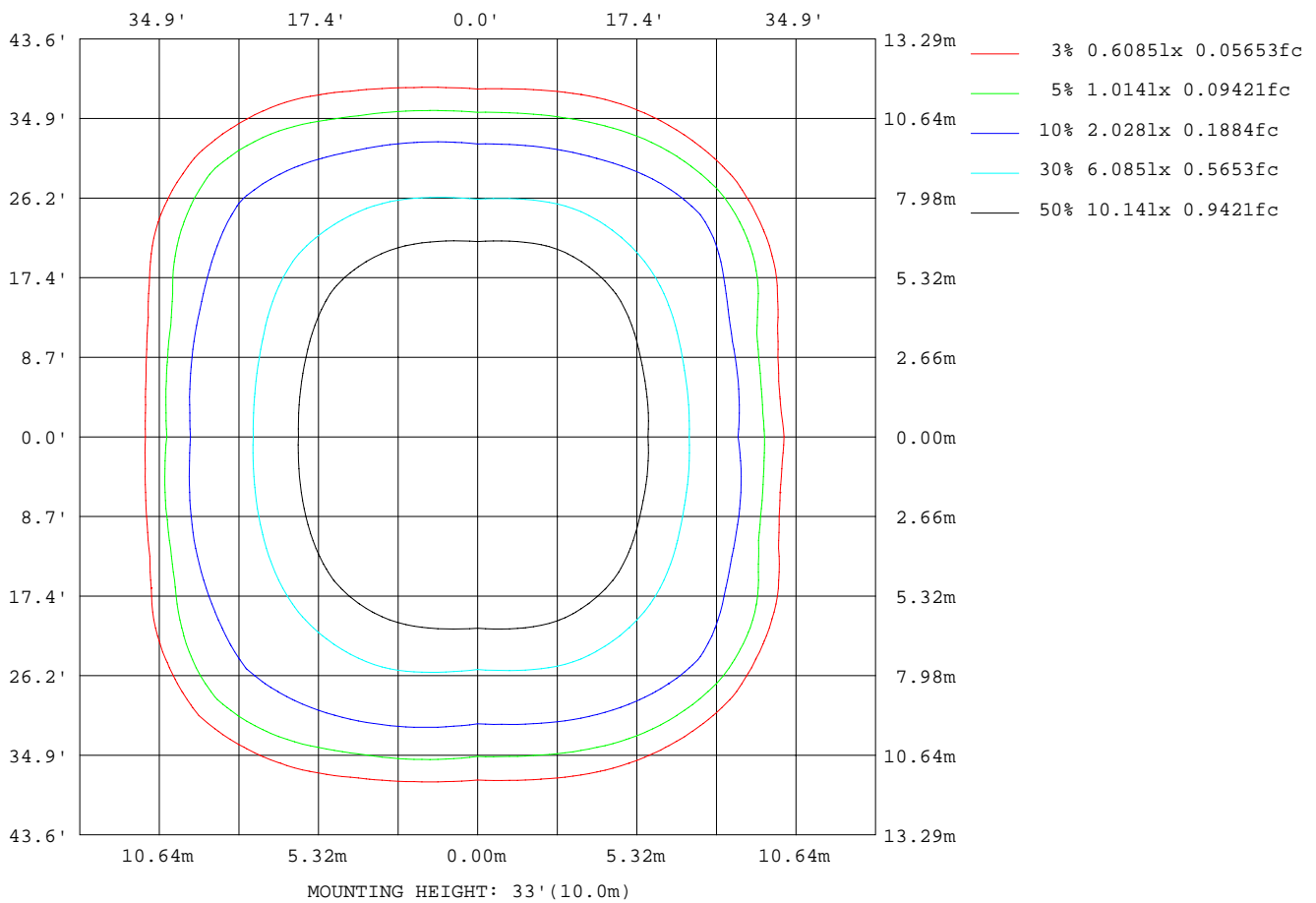
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

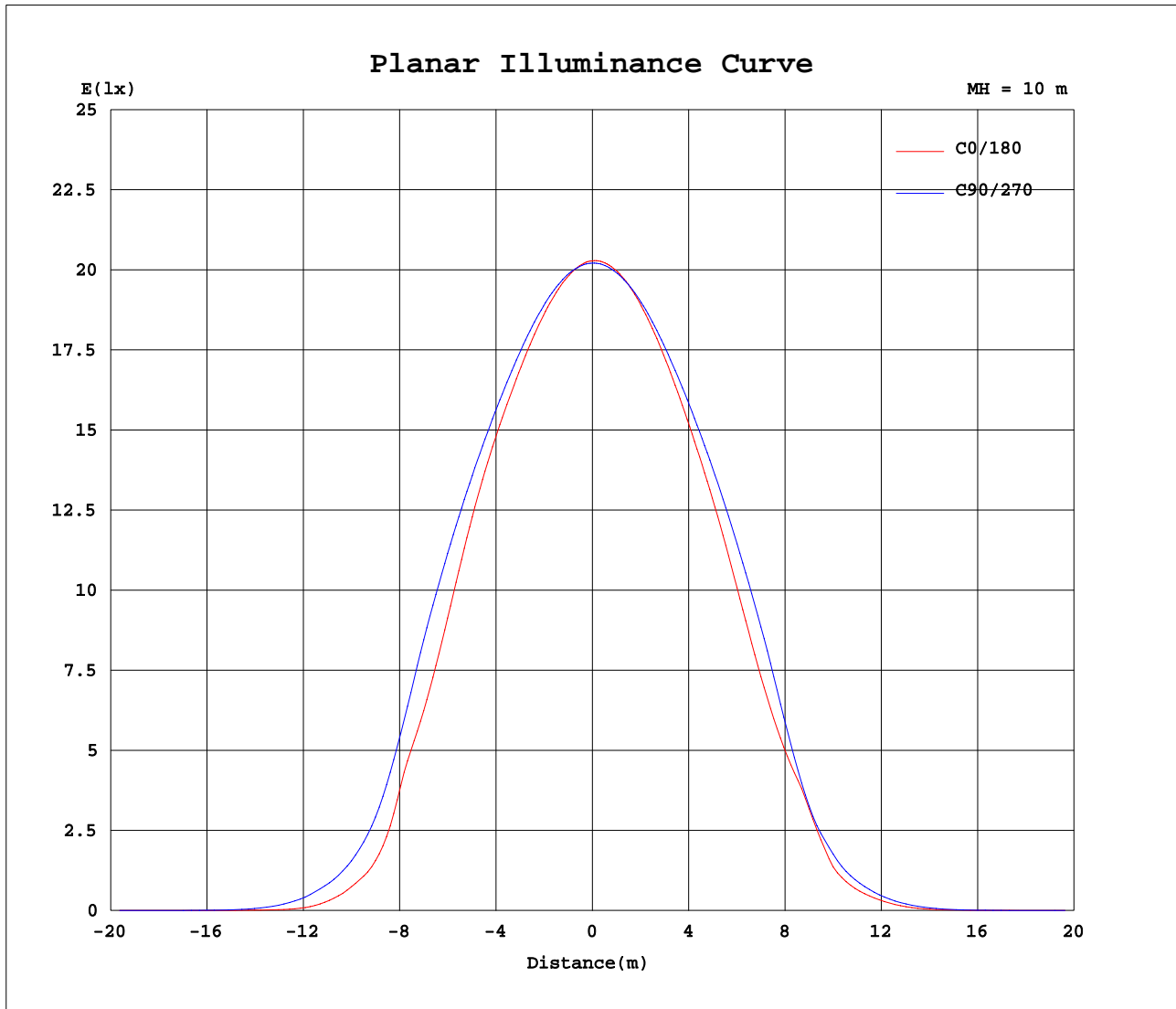
AvgL	cd/m2
L_0~180(65)av	77
L_0~180(75)av	98
L_0~180(85)av	318
L_90~270(65)av	62
L_90~270(75)av	50
L_90~270(85)av	108
L_45(65)av	156
L_45(75)av	52
L_45(85)av	180

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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1650*48*76					SERIAL No.:				
MFR.:									SUR.:1.64*0.042					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	2028	2028	2027	2027	2026	2026	2025	2025	2025	2024	2024	2023	2022	2022	2022	2021	2021	2021	2021
5	2014	2013	2012	2012	2012	2012	2012	2012	2012	2012	2013	2013	2014	2015	2015	2016	2016	2017	2017
10	1985	1985	1986	1986	1987	1988	1989	1991	1993	1995	1997	1999	2001	2003	2005	2006	2007	2008	2009
15	1942	1943	1945	1947	1950	1953	1958	1962	1967	1971	1975	1979	1982	1985	1988	1989	1991	1992	1993
20	1880	1883	1887	1892	1898	1906	1916	1926	1935	1945	1951	1957	1961	1964	1966	1967	1966	1966	1966
25	1770	1779	1790	1803	1818	1838	1860	1883	1904	1923	1933	1940	1943	1944	1941	1935	1929	1923	1919
30	1521	1539	1562	1590	1623	1667	1719	1772	1822	1865	1885	1896	1899	1896	1882	1862	1841	1821	1807
35	1136	1151	1176	1210	1254	1317	1394	1474	1551	1621	1662	1691	1707	1710	1690	1648	1605	1565	1538
40	588	646	706	768	832	903	979	1053	1119	1176	1209	1229	1234	1226	1186	1119	1052	996	960
45	211	205	215	241	283	356	456	557	651	727	727	706	670	623	574	528	487	456	440
50	35.9	39.8	49.0	63.7	83.7	115	155	196	234	265	270	267	258	244	225	204	184	168	160
55	6.22	1.03	0.00	1.82	7.81	21.0	40.5	60.4	78.9	93.6	91.5	84.9	75.3	63.8	52.7	43.0	34.9	29.0	26.4
60	2.72	1.37	0.80	1.00	1.97	4.52	8.42	12.4	15.9	18.4	16.7	14.0	10.7	7.28	4.87	3.66	2.94	2.69	2.90
65	2.13	2.10	2.06	2.04	2.02	2.02	2.03	2.04	2.04	2.03	1.97	1.91	1.84	1.78	1.75	1.76	1.78	1.81	1.84
70	1.71	1.69	1.66	1.62	1.57	1.51	1.43	1.35	1.28	1.22	1.21	1.22	1.24	1.26	1.28	1.29	1.30	1.32	1.33
75	1.54	1.47	1.40	1.33	1.26	1.19	1.11	1.04	0.97	0.91	0.87	0.85	0.83	0.82	0.83	0.84	0.86	0.89	0.91
80	1.18	1.08	0.99	0.92	0.88	0.86	0.87	0.88	0.90	0.91	0.86	0.81	0.76	0.70	0.67	0.65	0.64	0.64	0.65
85	0.94	0.96	0.97	0.99	1.01	1.03	1.06	1.08	1.08	1.07	1.00	0.92	0.83	0.74	0.67	0.64	0.61	0.60	0.60
90	0.58	0.49	0.44	0.44	0.48	0.61	0.80	1.01	1.22	1.40	1.47	1.50	1.50	1.46	1.35	1.20	1.04	0.91	0.82
95	149	170	189	206	223	241	261	275	283	282	249	208	164	119	85.3	63.6	48.2	39.5	37.5
100	539	546	553	561	569	586	610	626	629	613	528	428	322	219	147	109	85.9	76.0	78.1
105	905	921	929	928	918	903	881	848	802	743	638	525	411	303	224	176	145	129	128
110	1134	1148	1150	1140	1119	1087	1042	987	920	841	731	615	500	393	310	255	216	194	189
115	1283	1277	1262	1240	1209	1172	1128	1074	1010	935	826	711	597	489	403	342	298	272	264
120	1314	1304	1288	1267	1241	1213	1182	1143	1093	1030	925	812	698	588	500	436	390	361	351
125	1334	1328	1318	1302	1282	1261	1238	1206	1164	1108	1009	900	790	683	597	534	488	459	449
130	1377	1376	1370	1358	1341	1320	1296	1264	1222	1167	1074	973	870	771	692	634	592	566	557
135	1424	1427	1424	1414	1396	1373	1343	1305	1258	1202	1117	1026	936	850	780	729	692	670	663
140	1462	1465	1461	1449	1429	1402	1368	1326	1277	1221	1146	1069	992	920	862	820	790	773	768
145	1468	1469	1463	1450	1430	1402	1366	1324	1277	1226	1165	1103	1042	986	941	908	884	870	868
150	1444	1443	1436	1423	1404	1378	1346	1308	1268	1225	1177	1130	1085	1044	1011	987	970	961	960
155	1396	1393	1385	1374	1359	1338	1312	1284	1253	1221	1188	1155	1124	1096	1074	1058	1047	1041	1041
160	1337	1335	1330	1322	1312	1298	1280	1261	1240	1219	1198	1177	1158	1141	1128	1118	1112	1109	1110
165	1283	1282	1280	1276	1270	1263	1253	1242	1231	1219	1208	1197	1187	1178	1171	1167	1165	1165	1166
170	1249	1248	1247	1245	1243	1240	1236	1232	1228	1223	1219	1215	1211	1208	1206	1204	1204	1205	1206
175	1233	1233	1233	1233	1233	1233	1232	1231	1231	1230	1230	1229	1229	1229	1229	1229	1230	1230	1231
180	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236

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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 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	2021	2021	2020	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024	2025	2026	2027	2028	2028	2028
5	2018	2018	2019	2019	2020	2020	2020	2021	2021	2022	2022	2023	2024	2024	2025	2026	2027	2028	2028
10	2010	2011	2011	2012	2012	2012	2012	2012	2012	2012	2011	2011	2011	2011	2012	2013	2013	2014	2014
15	1994	1996	1997	1998	1998	1998	1997	1996	1994	1992	1990	1987	1985	1983	1982	1981	1981	1982	1983
20	1968	1970	1972	1974	1975	1975	1974	1972	1970	1964	1958	1952	1946	1940	1935	1930	1927	1926	1929
25	1923	1929	1935	1942	1946	1947	1947	1944	1939	1927	1913	1899	1884	1869	1857	1847	1839	1836	1841
30	1819	1836	1856	1877	1892	1901	1906	1905	1897	1872	1842	1808	1773	1740	1710	1684	1665	1655	1665
35	1570	1615	1666	1717	1753	1770	1777	1772	1754	1706	1648	1585	1521	1463	1414	1374	1345	1329	1340
40	1020	1101	1191	1280	1340	1366	1376	1371	1350	1302	1243	1180	1116	1062	1021	989	967	956	964
45	472	518	574	637	701	762	816	857	880	851	805	746	679	607	534	469	418	386	411
50	173	194	222	257	305	363	416	458	482	440	381	313	244	192	162	141	129	126	130
55	32.9	42.7	55.1	69.6	87.7	108	126	140	148	133	112	87.7	62.9	44.3	33.1	25.1	20.2	18.5	19.1
60	2.71	3.23	4.71	7.40	14.0	24.0	33.8	42.2	47.9	41.7	32.8	22.7	12.4	5.98	3.90	3.15	3.37	4.25	2.98
65	1.70	1.61	1.61	1.76	2.42	3.55	4.68	5.67	6.38	5.75	4.84	3.78	2.72	2.12	2.02	2.06	2.19	2.36	2.17
70	1.35	1.37	1.39	1.41	1.43	1.45	1.46	1.49	1.51	1.56	1.61	1.67	1.73	1.79	1.85	1.90	1.94	1.97	1.98
75	0.93	0.94	0.96	0.98	1.00	1.03	1.06	1.10	1.14	1.20	1.27	1.34	1.42	1.53	1.66	1.79	1.89	1.97	1.96
80	0.66	0.68	0.70	0.74	0.78	0.84	0.91	0.99	1.08	1.17	1.28	1.39	1.53	1.72	1.95	2.18	2.37	2.51	2.48
85	0.57	0.56	0.59	0.65	0.82	1.09	1.38	1.68	1.97	2.14	2.29	2.41	2.51	2.62	2.73	2.82	2.87	2.88	2.78
90	0.86	0.97	1.14	1.37	1.70	2.13	2.56	2.98	3.36	3.53	3.63	3.68	3.69	3.68	3.67	3.64	3.58	3.49	3.37
95	45.0	59.0	79.0	105	141	185	228	267	298	298	288	271	248	220	190	162	140	125	141
100	82.1	97.6	126	168	242	343	447	545	628	645	643	628	604	583	568	554	543	537	546
105	134	156	193	246	334	451	573	691	798	845	875	892	897	898	898	894	889	884	892
110	200	227	272	334	427	548	674	799	915	984	1037	1076	1103	1116	1118	1114	1106	1098	1109
115	278	310	361	429	527	649	778	905	1024	1100	1162	1211	1249	1276	1294	1305	1309	1308	1311
120	367	403	457	529	629	753	881	1008	1125	1194	1247	1289	1320	1349	1375	1395	1408	1413	1410
125	466	502	557	629	730	855	984	1110	1224	1282	1325	1355	1376	1399	1425	1446	1460	1466	1456
130	573	607	659	727	824	944	1069	1190	1300	1356	1396	1423	1441	1460	1480	1495	1504	1506	1498
135	678	709	756	818	907	1019	1135	1248	1352	1408	1450	1481	1501	1519	1535	1545	1550	1549	1542
140	781	808	848	903	981	1079	1183	1285	1380	1438	1485	1521	1549	1570	1586	1596	1600	1598	1592
145	878	900	934	979	1044	1126	1213	1301	1384	1443	1494	1536	1570	1597	1615	1626	1631	1631	1628
150	969	986	1013	1048	1099	1162	1231	1301	1369	1425	1475	1520	1558	1588	1608	1622	1630	1631	1630
155	1048	1062	1081	1107	1143	1188	1237	1288	1340	1388	1434	1476	1513	1542	1563	1577	1586	1588	1585
160	1116	1126	1140	1158	1182	1210	1242	1275	1310	1345	1379	1411	1440	1463	1480	1493	1500	1503	1500
165	1170	1176	1184	1195	1208	1224	1242	1261	1281	1302	1322	1341	1358	1373	1385	1394	1400	1402	1400
170	1209	1213	1217	1223	1229	1237	1245	1254	1262	1272	1281	1289	1297	1304	1309	1313	1316	1317	1316
175	1233	1234	1237	1239	1241	1242	1244	1246	1248	1250	1252	1255	1257	1258	1260	1261	1262	1262	1262
180	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236

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
γ 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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 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	2028	2027	2026	2026	2025	2025	2025	2024	2024	2023	2022	2022	2022	2021	2021	2021	2021	2021	2021
5	2028	2028	2027	2027	2027	2027	2028	2028	2027	2027	2027	2027	2026	2025	2024	2023	2022	2021	2020
10	2015	2016	2016	2018	2019	2021	2022	2024	2024	2024	2024	2024	2023	2023	2022	2021	2020	2019	2017
15	1985	1988	1991	1994	1998	2002	2006	2009	2012	2014	2015	2016	2016	2015	2013	2011	2009	2006	2004
20	1934	1940	1948	1956	1965	1974	1983	1991	1995	1999	2001	2002	2001	1999	1996	1993	1989	1987	1985
25	1850	1863	1878	1896	1915	1934	1952	1968	1975	1979	1981	1980	1976	1969	1962	1955	1950	1951	1954
30	1683	1709	1741	1779	1821	1862	1901	1933	1944	1947	1944	1936	1921	1901	1882	1864	1852	1863	1879
35	1365	1402	1450	1514	1590	1666	1737	1797	1817	1822	1814	1796	1764	1720	1677	1639	1611	1637	1672
40	984	1016	1059	1125	1208	1292	1369	1434	1453	1453	1436	1404	1346	1266	1186	1115	1062	1094	1144
45	457	518	591	675	764	847	916	964	938	890	827	755	687	627	574	530	499	505	525
50	142	165	198	257	339	418	487	538	510	462	401	335	282	247	218	198	185	193	208
55	23.1	30.9	42.5	64.0	94.0	123	149	169	160	144	124	100	80.3	64.8	51.6	41.2	34.3	36.7	42.2
60	2.45	3.11	5.40	13.1	25.5	37.9	48.8	56.5	49.8	39.9	28.2	16.2	8.41	5.31	3.66	3.15	3.46	3.38	3.79
65	2.03	2.01	2.16	2.93	4.28	5.62	6.78	7.58	6.69	5.44	4.00	2.57	1.72	1.51	1.49	1.60	1.78	1.79	1.81
70	1.98	1.95	1.90	1.80	1.66	1.52	1.39	1.28	1.30	1.34	1.40	1.45	1.46	1.42	1.36	1.31	1.27	1.30	1.34
75	1.92	1.84	1.74	1.58	1.38	1.18	1.00	0.85	0.86	0.90	0.97	1.04	1.05	1.01	0.97	0.92	0.88	0.89	0.92
80	2.38	2.22	2.02	1.76	1.46	1.16	0.89	0.66	0.63	0.64	0.70	0.77	0.80	0.78	0.76	0.74	0.72	0.72	0.72
85	2.64	2.45	2.22	1.92	1.57	1.22	0.90	0.64	0.59	0.60	0.65	0.72	0.76	0.75	0.74	0.72	0.70	0.70	0.69
90	3.23	3.06	2.86	2.61	2.31	2.00	1.70	1.43	1.25	1.10	0.99	0.91	0.87	0.86	0.86	0.88	0.89	0.88	0.86
95	164	193	224	252	276	295	305	306	276	237	194	149	112	85.1	63.2	47.4	38.2	38.5	46.1
100	561	578	596	618	643	658	660	643	559	460	356	253	178	134	103	85.8	80.0	76.6	85.5
105	901	907	910	911	906	890	860	812	704	584	461	342	254	199	161	138	131	131	147
110	1120	1127	1127	1116	1090	1051	998	928	811	684	555	432	338	275	231	203	193	197	218
115	1309	1299	1282	1255	1218	1168	1105	1028	905	775	643	519	422	357	309	280	269	276	301
120	1400	1382	1356	1326	1291	1246	1188	1116	998	871	743	620	523	454	404	371	357	366	393
125	1439	1415	1386	1361	1338	1308	1265	1207	1096	974	848	727	629	559	506	471	454	463	490
130	1483	1463	1439	1416	1396	1367	1327	1273	1171	1058	942	829	737	668	614	577	558	565	590
135	1530	1513	1491	1469	1445	1413	1371	1316	1222	1119	1013	911	827	764	715	681	663	669	691
140	1580	1564	1542	1517	1489	1454	1410	1356	1268	1174	1078	987	912	856	813	783	768	772	789
145	1620	1606	1585	1558	1525	1484	1435	1379	1299	1215	1132	1052	988	941	904	880	867	869	882
150	1622	1608	1588	1559	1522	1478	1429	1374	1306	1237	1169	1106	1055	1017	989	969	959	959	969
155	1577	1562	1541	1513	1477	1437	1392	1346	1294	1243	1194	1149	1112	1084	1063	1048	1040	1040	1046
160	1492	1480	1463	1439	1411	1380	1346	1312	1278	1246	1214	1186	1162	1143	1127	1116	1109	1108	1111
165	1394	1385	1373	1359	1342	1323	1304	1284	1265	1247	1229	1213	1199	1188	1178	1171	1166	1165	1166
170	1313	1309	1304	1298	1290	1282	1273	1264	1255	1246	1237	1229	1223	1217	1213	1210	1207	1206	1206
175	1262	1262	1261	1259	1257	1255	1252	1250	1247	1244	1241	1239	1236	1235	1234	1233	1232	1231	1230
180	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236

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:0.2944A P:67.249W PF:0.9949 Freq:49.99Hz Lamp Flux:8481.68x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1650*48*76						SERIAL No.:		
MFR.:									SUR.:1.64*0.042						Shielding Angle:		

Table--4

UNIT: cd

C(DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2020	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024	2025	2026	2027	2027				
5	2018	2017	2016	2015	2015	2014	2013	2013	2012	2012	2011	2011	2011	2012	2013				
10	2012	2010	2007	2004	2002	1999	1997	1994	1991	1989	1987	1986	1985	1985	1985				
15	2000	1997	1993	1989	1985	1981	1976	1970	1964	1958	1953	1949	1946	1944	1943				
20	1983	1981	1977	1972	1967	1960	1953	1942	1930	1919	1908	1899	1892	1887	1882				
25	1957	1960	1960	1957	1952	1943	1932	1911	1888	1864	1840	1820	1804	1791	1779				
30	1896	1913	1923	1926	1922	1910	1889	1842	1788	1731	1674	1628	1593	1563	1539				
35	1711	1746	1761	1753	1732	1698	1651	1574	1489	1402	1318	1252	1206	1171	1148				
40	1201	1256	1283	1277	1256	1223	1176	1110	1036	958	879	807	746	689	636				
45	554	589	633	680	718	741	742	660	560	451	345	269	228	204	199				
50	226	246	262	275	282	282	274	238	196	151	108	74.9	55.2	42.1	35.7				
55	50.2	59.5	69.8	80.0	88.4	93.6	94.6	79.2	60.3	40.0	20.4	7.08	1.11	0.00	0.68				
60	4.67	6.00	8.37	11.6	14.6	17.0	18.5	15.9	12.4	8.49	4.64	2.10	1.11	0.88	1.42				
65	1.85	1.89	1.95	2.02	2.09	2.15	2.20	2.22	2.22	2.21	2.20	2.19	2.18	2.16	2.15				
70	1.37	1.41	1.39	1.34	1.28	1.23	1.20	1.27	1.36	1.47	1.57	1.64	1.68	1.71	1.72				
75	0.94	0.96	0.95	0.90	0.85	0.81	0.79	0.85	0.92	1.02	1.12	1.21	1.29	1.38	1.46				
80	0.72	0.72	0.71	0.69	0.66	0.65	0.65	0.70	0.76	0.83	0.90	0.97	1.02	1.08	1.13				
85	0.68	0.67	0.66	0.65	0.64	0.64	0.64	0.65	0.66	0.69	0.71	0.75	0.79	0.83	0.88				
90	0.84	0.82	0.81	0.81	0.82	0.83	0.84	0.88	0.91	0.93	0.94	0.92	0.87	0.80	0.70				
95	61.0	82.9	119	168	217	262	298	301	294	278	257	237	218	197	174				
100	108	146	219	323	431	534	623	643	644	632	610	593	582	569	555				
105	178	225	304	410	523	636	741	804	853	889	913	929	938	937	926				
110	255	310	392	498	612	727	838	918	986	1043	1089	1122	1143	1152	1149				
115	343	402	486	594	709	824	934	1008	1071	1124	1168	1206	1237	1260	1276				
120	437	498	585	694	809	922	1027	1089	1138	1177	1207	1236	1263	1285	1302				
125	534	595	681	787	898	1007	1108	1163	1206	1237	1260	1282	1302	1317	1328				
130	632	688	767	864	966	1066	1160	1216	1260	1295	1321	1342	1360	1372	1377				
135	727	777	846	931	1021	1111	1196	1254	1303	1342	1374	1398	1416	1426	1428				
140	819	861	919	990	1065	1142	1215	1271	1321	1363	1399	1427	1447	1459	1464				
145	906	939	984	1039	1099	1160	1221	1273	1320	1362	1399	1428	1448	1462	1468				
150	986	1010	1043	1083	1127	1173	1220	1262	1302	1340	1373	1399	1418	1432	1441				
155	1057	1073	1096	1123	1153	1185	1218	1250	1281	1310	1336	1357	1373	1385	1392				
160	1117	1127	1141	1158	1177	1198	1219	1239	1259	1277	1294	1308	1319	1328	1334				
165	1169	1173	1180	1188	1197	1207	1217	1229	1240	1251	1261	1269	1274	1279	1282				
170	1207	1209	1210	1213	1215	1218	1222	1226	1230	1235	1239	1242	1244	1246	1248				
175	1229	1228	1228	1229	1230	1230	1231	1232	1232	1233	1233	1233	1234	1233	1233				
180	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236				

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: