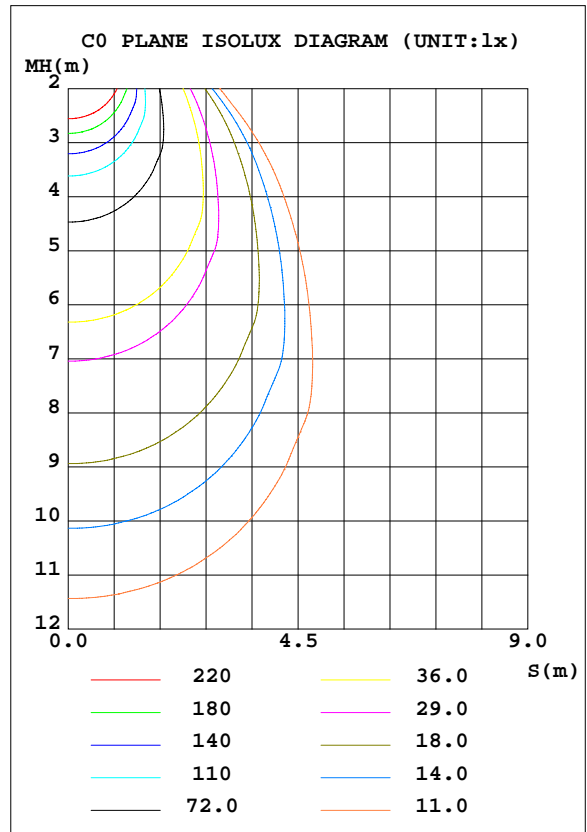
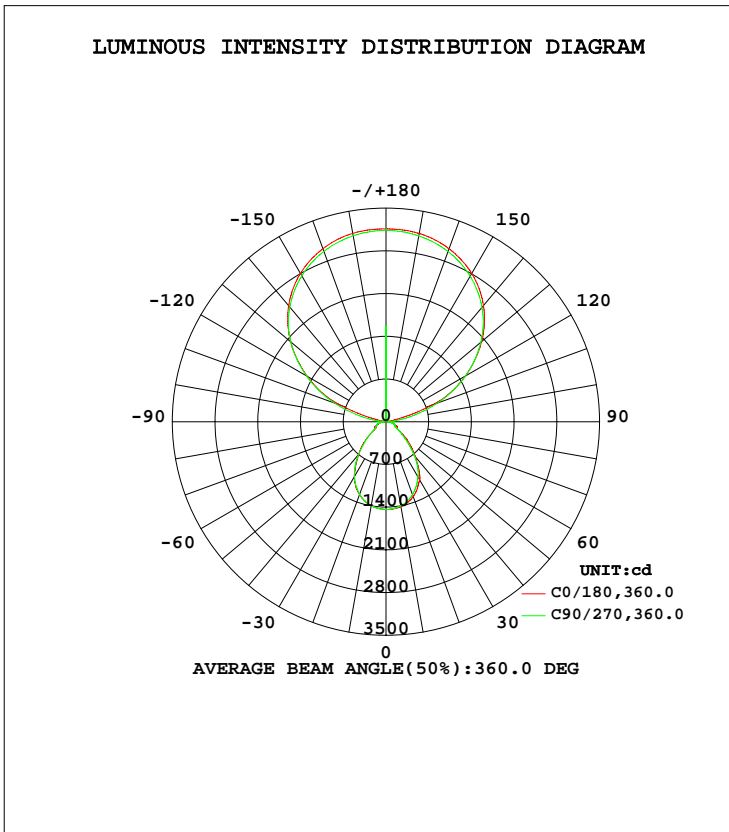


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.10 lm/W			
MODEL		I _{max} (cd)	3161	S/MH(C0/180)	1.11
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.10
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	11868	η UP, DN(C0-180)	38.7,11.3
NOMINAL FLUX(lm)	11868.5	CIE CLASS	SEMI-IND.	η UP, DN(C180-360)	38.8,11.1
LAMPS INSIDE	1	η up(%)	77.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	22.4	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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:

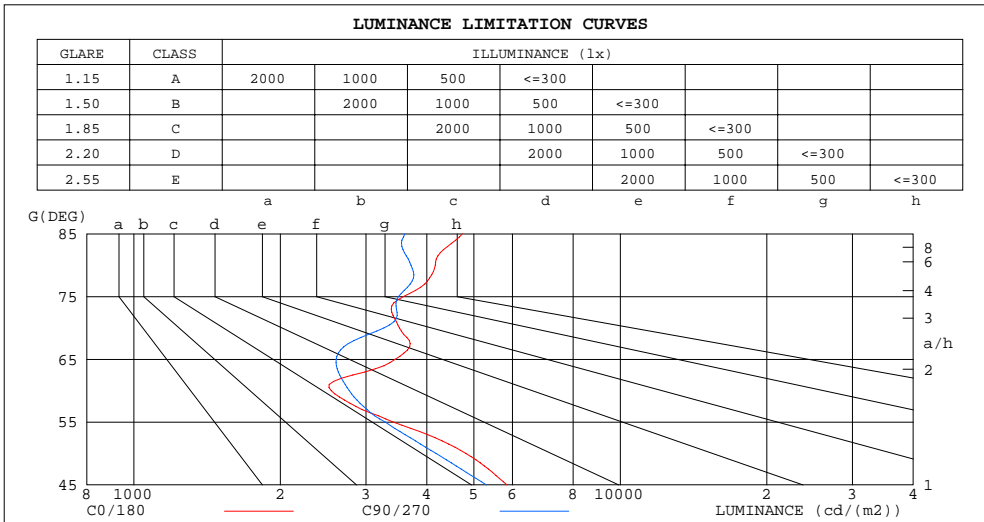
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φlum, lamp
10	1411	1407	1398	1398	1397	1394	1397	1408	0- 10	135.5	135.5	1.14,1.14
20	1305	1287	1272	1262	1270	1256	1267	1284	10- 20	380.0	515.5	4.34,4.34
30	1105	1050	1050	1017	1041	1014	1036	1039	20- 30	537.6	1053	8.87,8.87
40	751.2	722.5	722.6	685.9	696.8	683.9	700.8	715.7	30- 40	553.5	1607	13.5,13.5
50	440.1	475.4	382.5	437.4	387.9	443.8	379.2	454.1	40- 50	435.3	2042	17.2,17.2
60	181.1	211.5	197.2	171.5	189.7	179.8	200.8	185.6	50- 60	283.8	2326	19.6,19.6
70	171.1	81.60	158.9	88.34	166.7	94.29	153.7	82.92	60- 70	166.9	2493	21,21
80	102.9	90.25	91.72	96.49	95.09	95.81	99.13	86.19	70- 80	117.3	2610	22,22
90	4.218	6.899	5.412	2.285	2.466	3.015	4.347	4.674	80- 90	54.27	2664	22.4,22.4
100	35.80	147.3	289.5	154.0	37.42	138.0	288.8	156.1	90-100	63.41	2728	23,23
110	799.2	878.7	897.0	865.4	782.0	859.6	897.3	871.8	100-110	504.0	3232	27.2,27.2
120	1503	1501	1505	1494	1490	1492	1504	1505	110-120	1166	4398	37.1,37.1
130	2046	2040	2028	2041	2040	2034	2035	2048	120-130	1581	5979	50.4,50.4
140	2486	2461	2447	2468	2481	2457	2453	2473	130-140	1744	7723	65.1,65.1
150	2808	2773	2757	2785	2807	2771	2761	2788	140-150	1648	9371	79,79
160	3018	2978	2970	2995	3019	2980	2973	2995	150-160	1335	10706	90.2,90.2
170	3134	3096	3093	3112	3136	3097	3095	3112	160-170	864.1	11570	97.5,97.5
180	3160	3160	3160	3160	3160	3160	3160	3160	170-180	298.2	11868	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:2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4736	3606
80	4164	3712
75	3581	3499
70	3516	3266
65	3443	2605
60	2545	2772
55	3414	3285
50	4812	4181
45	5850	5304

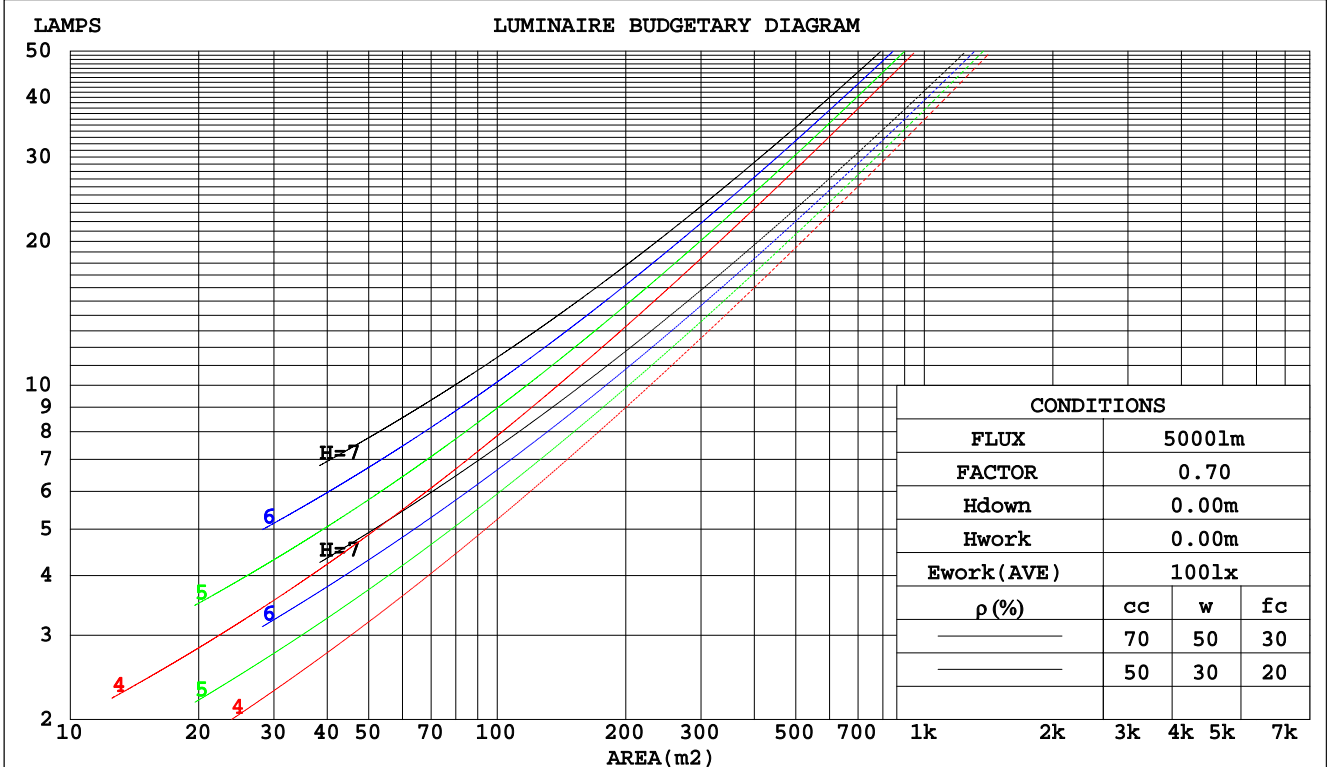
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.01	1.01	1.01	.89	.89	.89	.68	.68	.68	.49	.49	.49	.31	.31	.31	.22
1.0	.88	.84	.81	.78	.75	.72	.60	.58	.56	.43	.42	.41	.28	.27	.26	.19
2.0	.77	.71	.67	.69	.64	.60	.53	.50	.47	.38	.36	.35	.25	.24	.23	.17
3.0	.68	.61	.56	.61	.55	.50	.47	.43	.40	.34	.32	.30	.22	.21	.20	.15
4.0	.60	.53	.47	.54	.48	.43	.42	.38	.34	.31	.28	.26	.20	.19	.17	.13
5.0	.54	.46	.41	.48	.42	.37	.38	.33	.30	.28	.25	.22	.18	.17	.15	.12
6.0	.48	.41	.35	.43	.37	.32	.34	.29	.26	.25	.22	.20	.17	.15	.14	.10
7.0	.44	.36	.31	.39	.33	.28	.31	.26	.23	.23	.20	.18	.15	.14	.12	.09
8.0	.39	.32	.27	.36	.29	.25	.28	.23	.20	.21	.18	.16	.14	.12	.11	.09
9.0	.36	.29	.24	.32	.26	.22	.26	.21	.18	.19	.16	.14	.13	.11	.10	.08
10.0	.33	.26	.22	.30	.24	.20	.24	.19	.16	.18	.15	.13	.12	.11	.09	.07



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.260	.148	.047	.230	.131	.042	.173	.099	.032	.121	.070	.022	.072	.042	.014	
2.0	.240	.132	.040	.212	.117	.036	.160	.089	.028	.112	.063	.020	.068	.039	.012	
3.0	.222	.118	.035	.197	.105	.032	.149	.081	.025	.105	.057	.018	.064	.035	.011	
4.0	.206	.107	.031	.183	.096	.028	.139	.073	.022	.098	.052	.016	.060	.032	.010	
5.0	.191	.098	.028	.170	.087	.025	.129	.067	.020	.091	.048	.014	.056	.030	.009	
6.0	.179	.090	.026	.159	.080	.023	.121	.062	.018	.086	.045	.013	.053	.028	.008	
7.0	.167	.083	.023	.149	.074	.021	.114	.057	.017	.081	.041	.012	.050	.026	.008	
8.0	.157	.077	.022	.140	.069	.019	.107	.053	.015	.076	.039	.011	.047	.024	.007	
9.0	.148	.071	.020	.131	.064	.018	.101	.050	.014	.072	.036	.010	.045	.023	.007	
10.0	.139	.067	.019	.124	.060	.017	.095	.047	.013	.068	.034	.010	.042	.021	.006	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.781	.781	.781	.668	.668	.668	.456	.456	.456	.262	.262	.262	.084	.084	.084	
1.0	.773	.752	.734	.661	.646	.632	.452	.444	.437	.260	.257	.254	.083	.083	.082	
2.0	.765	.732	.704	.655	.630	.609	.449	.436	.424	.259	.254	.249	.083	.082	.081	
3.0	.758	.717	.684	.650	.618	.593	.446	.430	.416	.258	.251	.245	.083	.081	.080	
4.0	.752	.706	.670	.645	.610	.582	.444	.425	.410	.257	.249	.243	.083	.081	.080	
5.0	.746	.697	.661	.640	.603	.575	.441	.421	.406	.256	.247	.241	.082	.081	.079	
6.0	.740	.690	.654	.636	.597	.569	.439	.418	.403	.255	.246	.239	.082	.080	.079	
7.0	.735	.684	.649	.632	.593	.565	.437	.416	.400	.254	.245	.238	.082	.080	.079	
8.0	.729	.679	.645	.628	.589	.562	.434	.414	.399	.253	.244	.238	.082	.080	.079	
9.0	.724	.675	.642	.624	.586	.560	.432	.412	.397	.252	.243	.237	.082	.080	.079	
10.0	.720	.671	.639	.621	.583	.558	.431	.410	.396	.251	.243	.237	.081	.080	.078	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 610*310*30			SERIAL No.:				
MFR.:			SUR.:0.556*0.256			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	10.7	11.4	11.8	12.5	14.0	10.4	11.1	11.5	12.2	13.7
3H	11.7	12.3	12.8	13.4	14.9	11.1	11.8	12.3	12.9	14.4
4H	12.1	12.7	13.3	13.8	15.4	11.7	12.3	12.8	13.4	14.9
6H	12.7	13.2	13.8	14.4	15.9	12.2	12.8	13.4	13.9	15.4
8H	12.9	13.5	14.1	14.6	16.2	12.4	12.9	13.6	14.1	15.6
12H	13.2	13.7	14.3	14.8	16.4	12.5	13.0	13.7	14.2	15.7
4H 2H	10.6	11.2	11.7	12.3	13.8	10.3	10.9	11.4	12.0	13.5
3H	11.7	12.2	12.8	13.3	14.9	11.2	11.7	12.3	12.8	14.4
4H	12.3	12.7	13.4	13.9	15.4	11.8	12.3	13.0	13.4	15.0
6H	13.1	13.4	14.2	14.6	16.2	12.6	13.0	13.8	14.1	15.7
8H	13.4	13.8	14.6	14.9	16.6	12.9	13.2	14.1	14.4	16.0
12H	13.8	14.1	14.9	15.2	16.9	13.1	13.4	14.3	14.6	16.2
8H 4H	12.2	12.6	13.4	13.7	15.4	11.8	12.2	13.0	13.3	14.9
6H	13.3	13.5	14.4	14.7	16.4	12.8	13.1	14.0	14.3	15.9
8H	13.8	14.0	15.0	15.2	16.9	13.3	13.5	14.5	14.7	16.3
12H	14.3	14.5	15.5	15.7	17.3	13.6	13.8	14.8	15.0	16.7
12H 4H	12.2	12.5	13.4	13.7	15.3	11.8	12.1	13.0	13.3	14.9
6H	13.3	13.6	14.5	14.7	16.4	12.9	13.1	14.1	14.3	16.0
8H	13.9	14.1	15.1	15.3	17.0	13.4	13.6	14.6	14.8	16.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.5				
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.5				
2.0H	+ 0.6 / - 0.9					+ 0.6 / - 0.8				

CIE Pub.117, 11868 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 8.6)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

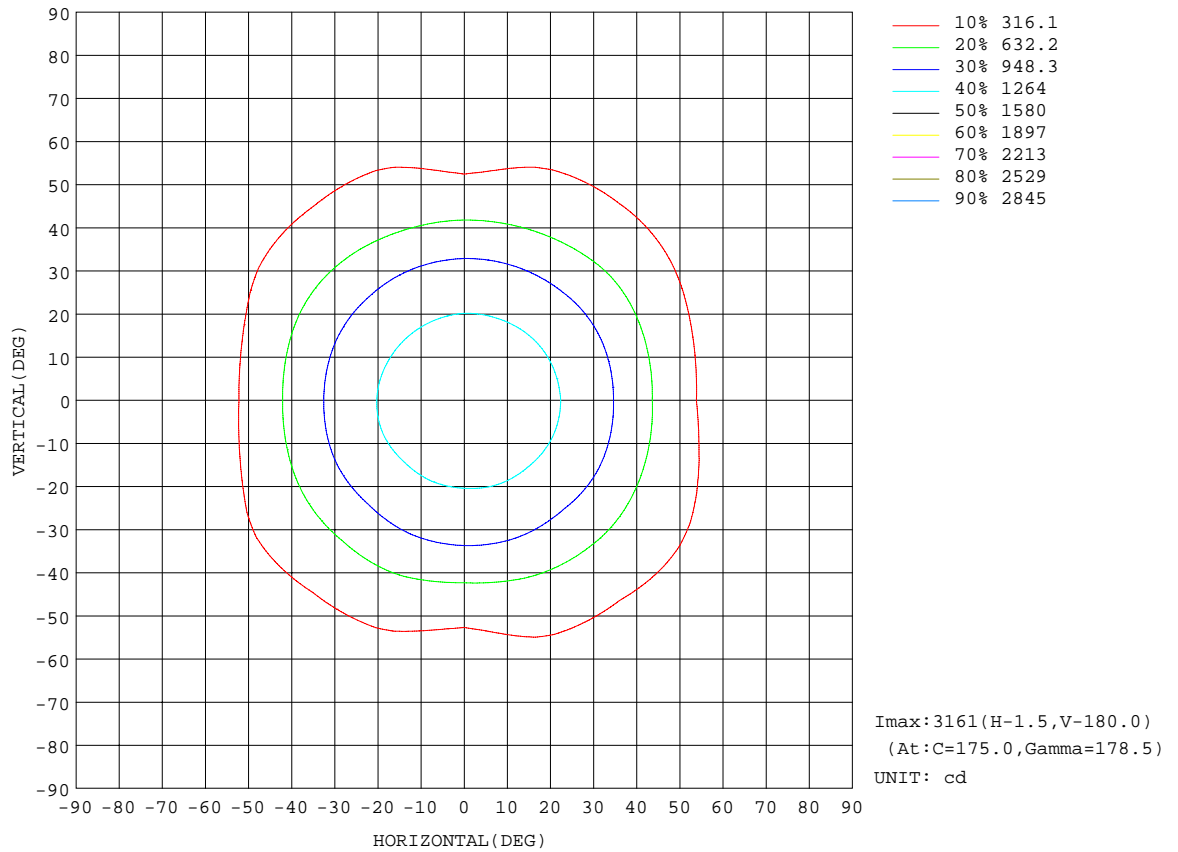
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	38	28	23	35	26	21	29	22	18	10
0.80	48	37	30	43	34	28	35	28	24	12
1.00	55	44	37	49	40	34	39	33	28	14
1.25	62	51	43	55	46	40	44	37	33	15
1.50	67	56	49	60	51	45	47	41	37	16
2.00	74	64	57	66	58	52	51	46	42	18
2.50	78	70	63	70	63	57	54	49	45	18
3.00	81	74	68	72	66	61	56	52	48	19
4.00	86	79	74	76	71	67	59	55	52	20
5.00	89	83	78	79	74	70	60	58	55	20
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:2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

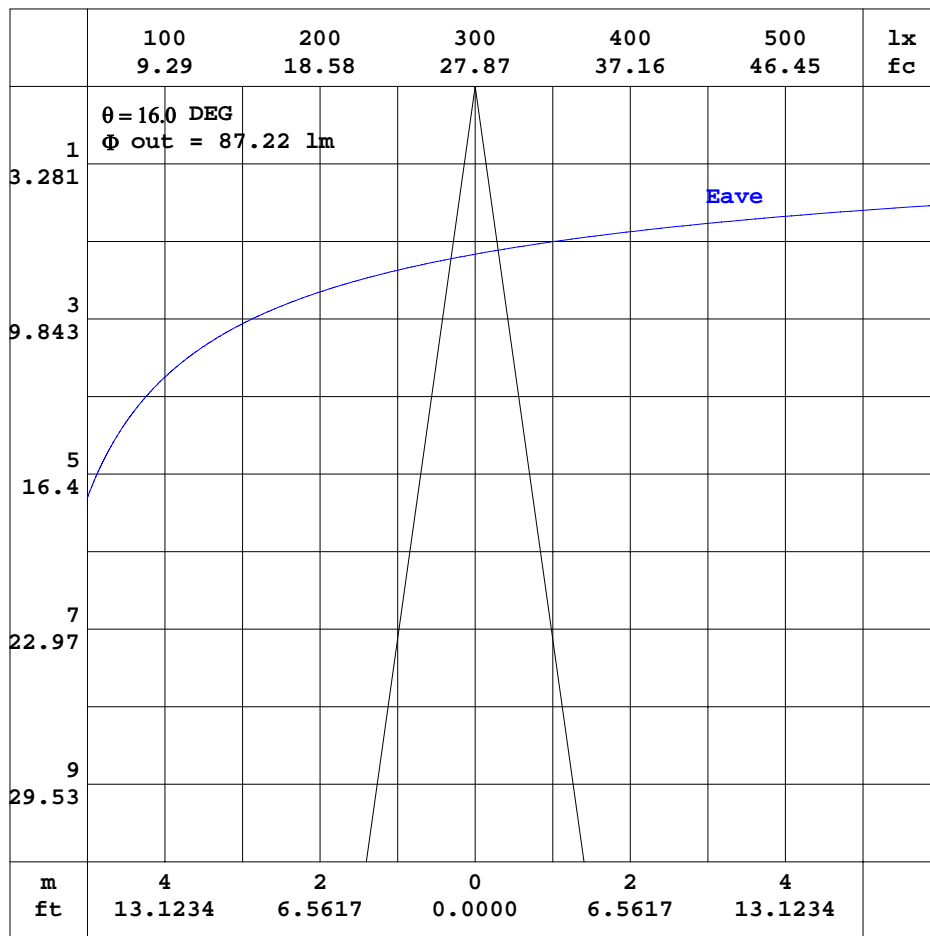


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:



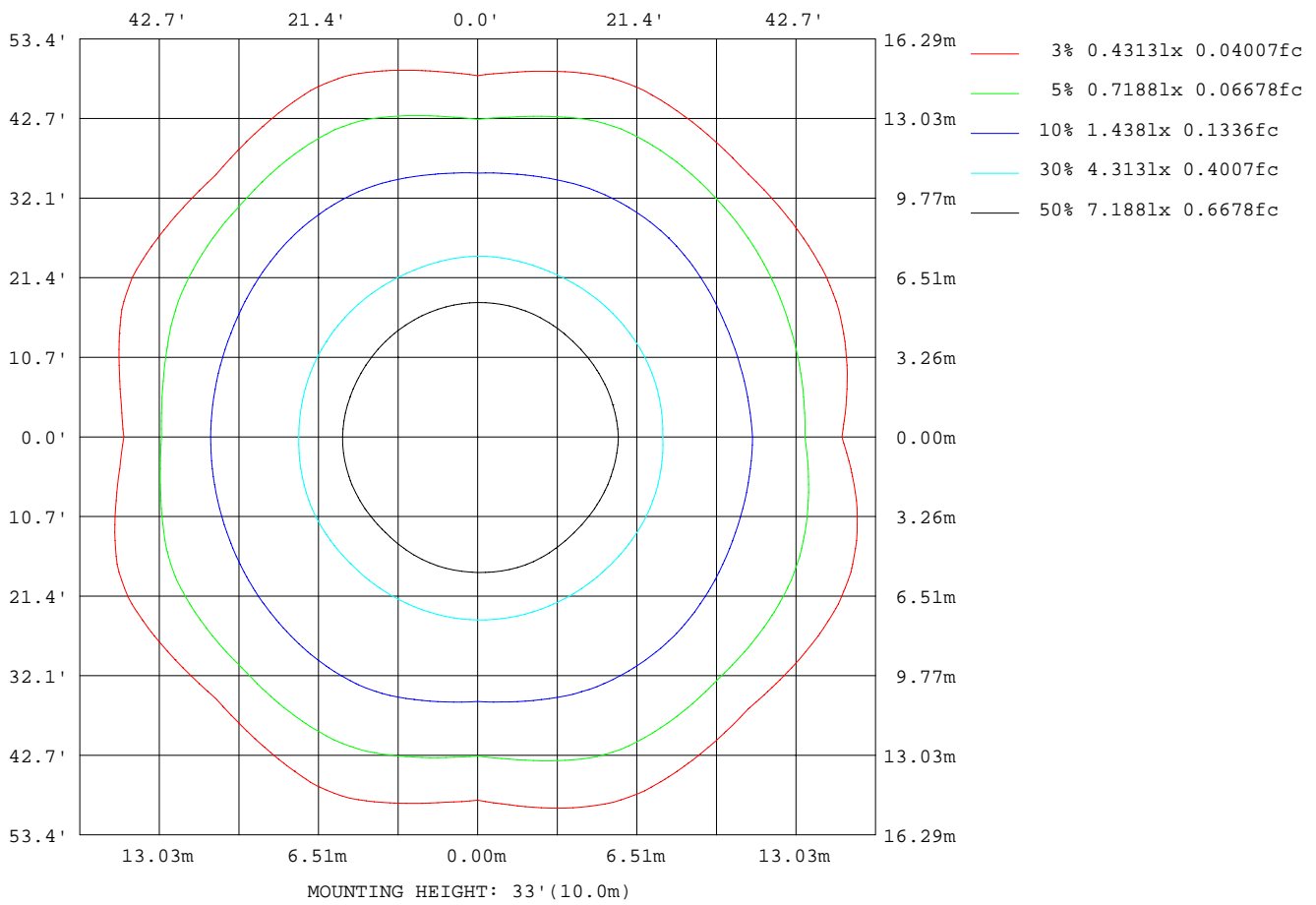
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

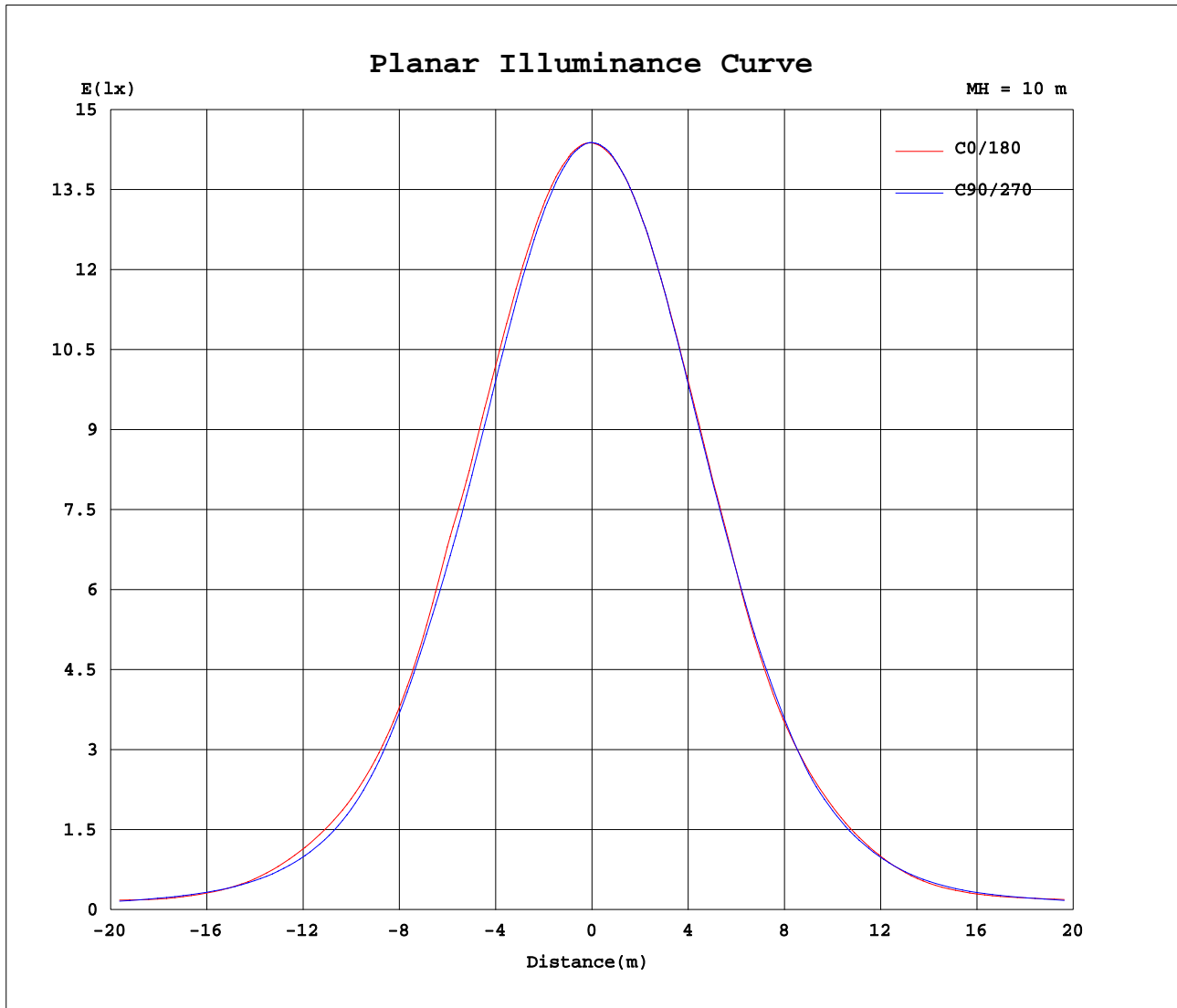
AvgL	cd/m2
L_0~180(65)av	3411
L_0~180(75)av	3529
L_0~180(85)av	4150
L_90~270(65)av	2724
L_90~270(75)av	3705
L_90~270(85)av	3922
L_45(65)av	1695
L_45(75)av	2592
L_45(85)av	4036

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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: 2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	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	1438	1438	1438	1438	1437	1437	1437	1437	1436	1436	1436	1437	1437	1437	1438	1438	1438	1438	1438
5	1433	1433	1433	1433	1433	1433	1432	1432	1431	1431	1431	1430	1430	1429	1429	1429	1429	1429	1429
10	1411	1411	1411	1411	1411	1410	1410	1409	1408	1407	1407	1406	1405	1404	1403	1402	1400	1399	1398
15	1370	1370	1370	1370	1369	1368	1366	1364	1363	1361	1359	1358	1357	1356	1354	1353	1351	1349	1348
20	1305	1305	1305	1304	1303	1300	1297	1294	1290	1287	1286	1285	1284	1283	1281	1279	1276	1274	1272
25	1213	1212	1210	1208	1205	1202	1198	1193	1189	1186	1184	1184	1184	1183	1182	1179	1176	1174	1171
30	1105	1100	1094	1088	1082	1075	1067	1060	1054	1050	1051	1054	1057	1060	1061	1059	1056	1054	1050
35	933	936	938	938	937	934	929	924	919	914	912	911	911	911	911	910	910	909	907
40	751	763	771	776	776	770	759	746	733	722	725	731	737	743	744	740	735	729	723
45	589	588	588	588	589	591	594	597	599	601	599	595	590	584	574	562	550	540	534
50	440	443	446	450	453	458	463	468	473	475	476	474	470	463	450	430	411	394	382
55	279	307	330	348	361	366	364	359	353	347	352	357	361	361	350	328	306	284	268
60	181	214	240	258	269	268	256	241	225	211	219	229	239	249	247	234	220	207	197
65	207	214	217	215	209	194	171	148	128	113	125	143	163	182	189	183	174	165	157
70	171	169	165	159	151	138	121	105	91.3	81.6	88.2	99.1	112	127	138	146	152	157	159
75	132	128	123	119	114	107	100	93.9	88.3	84.3	85.0	87.5	91.4	96.5	103	111	119	125	129
80	103	99.7	97.0	94.7	92.9	91.7	91.2	90.8	90.6	90.3	88.5	86.8	85.3	84.1	84.6	86.5	88.6	90.5	91.7
85	58.7	57.7	56.8	56.1	55.4	55.1	54.9	54.8	54.7	54.5	53.9	53.1	52.2	51.2	49.8	48.0	46.5	45.3	44.7
90	4.22	5.33	6.25	6.95	7.45	7.60	7.44	7.21	7.00	6.90	7.72	8.61	9.43	10.0	9.81	8.74	7.54	6.37	5.41
95	28.8	29.2	29.6	29.8	30.0	29.4	28.4	27.8	28.0	29.2	33.7	39.4	46.0	53.2	61.6	70.6	78.7	85.2	89.4
100	35.8	28.8	26.6	29.3	36.8	50.7	70.4	93.6	120	147	177	207	235	260	277	286	290	291	289
105	306	310	319	334	355	387	428	470	510	543	548	547	541	535	536	546	557	566	573
110	799	810	821	831	840	850	860	869	875	879	870	859	849	840	843	857	872	887	897
115	1198	1194	1190	1188	1186	1187	1190	1192	1194	1193	1182	1170	1159	1151	1154	1168	1184	1199	1210
120	1503	1498	1495	1492	1490	1492	1495	1499	1501	1501	1489	1476	1464	1454	1455	1467	1481	1494	1505
125	1785	1780	1775	1773	1771	1773	1777	1782	1785	1786	1775	1763	1751	1741	1741	1749	1760	1770	1778
130	2046	2040	2035	2032	2030	2031	2034	2037	2039	2040	2033	2024	2016	2008	2007	2012	2018	2024	2028
135	2280	2273	2267	2263	2260	2259	2261	2263	2264	2265	2260	2254	2248	2243	2242	2245	2248	2252	2255
140	2486	2477	2469	2464	2459	2458	2458	2459	2460	2461	2457	2452	2448	2443	2442	2442	2444	2445	2447
145	2662	2652	2643	2636	2631	2629	2629	2629	2630	2631	2628	2624	2620	2616	2614	2613	2613	2613	2614
150	2808	2797	2788	2780	2775	2772	2771	2771	2772	2773	2770	2767	2763	2760	2758	2757	2756	2756	2757
155	2925	2914	2905	2898	2892	2889	2887	2887	2887	2888	2885	2882	2880	2877	2876	2875	2875	2875	2876
160	3018	3007	2998	2991	2985	2981	2979	2978	2978	2978	2976	2974	2972	2970	2969	2969	2969	2969	2970
165	3088	3077	3068	3060	3054	3050	3048	3048	3048	3048	3046	3044	3042	3040	3039	3039	3040	3040	3042
170	3134	3123	3113	3105	3100	3096	3095	3095	3095	3096	3095	3094	3093	3092	3091	3091	3091	3092	3093
175	3155	3145	3136	3129	3123	3120	3119	3120	3121	3122	3122	3122	3122	3122	3122	3123	3124	3125	3126
180	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	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	1438	1438	1439	1439	1439	1439	1440	1440	1441	1441	1441	1441	1441	1441	1440	1439	1438	1438	1437
5	1428	1427	1426	1426	1425	1426	1427	1427	1428	1429	1430	1430	1430	1430	1429	1428	1427	1426	1426
10	1397	1397	1397	1396	1397	1397	1397	1397	1398	1398	1399	1399	1399	1399	1399	1398	1397	1397	1396
15	1347	1346	1346	1346	1345	1344	1344	1344	1344	1345	1346	1347	1348	1348	1348	1347	1346	1345	1344
20	1271	1270	1269	1268	1267	1266	1264	1263	1262	1263	1265	1267	1269	1270	1271	1271	1270	1270	1268
25	1169	1167	1166	1164	1162	1160	1158	1156	1155	1156	1159	1162	1165	1167	1169	1170	1171	1171	1168
30	1049	1047	1046	1043	1039	1032	1026	1021	1017	1019	1024	1029	1034	1038	1040	1041	1042	1041	1039
35	904	899	895	890	885	880	876	872	869	869	871	872	874	873	871	868	865	862	862
40	721	719	717	715	710	702	695	689	686	692	701	709	717	719	714	709	702	697	698
45	540	550	560	571	575	573	569	564	558	554	551	548	546	544	544	544	545	546	546
50	393	409	426	444	452	452	449	443	437	435	432	428	424	418	409	401	393	388	389
55	277	290	306	321	326	321	313	305	299	306	314	321	325	317	297	276	257	242	252
60	208	221	235	246	242	224	204	186	171	185	203	222	239	242	230	216	201	190	199
65	165	174	183	188	179	156	132	110	93.8	107	127	150	174	190	197	202	203	203	204
70	158	156	151	145	134	121	107	96.2	88.3	93.9	103	115	127	139	148	157	163	167	165
75	124	117	109	101	96.2	95.2	95.5	96.7	98.6	99.8	101	103	106	110	115	120	125	128	127
80	89.0	85.8	82.7	80.2	80.8	84.4	88.6	92.8	96.5	96.0	94.8	93.2	91.5	91.1	92.1	93.2	94.3	95.1	94.0
85	46.6	48.8	51.1	53.2	53.5	52.1	50.3	48.5	47.0	48.0	49.2	50.5	51.6	51.3	49.7	47.8	45.9	44.2	44.2
90	6.03	6.85	7.68	8.33	8.02	6.73	5.24	3.70	2.29	1.88	1.72	1.73	1.87	2.00	2.10	2.22	2.34	2.47	2.51
95	86.1	80.5	73.1	64.7	56.3	48.5	41.2	34.7	29.5	28.2	28.2	29.0	30.3	31.2	31.4	31.6	31.6	31.6	31.1
100	289	286	279	270	254	232	208	181	154	125	97.3	71.7	49.8	36.7	32.5	32.0	34.0	37.4	34.0
105	564	553	541	530	527	534	539	541	536	504	465	424	383	350	326	308	296	291	297
110	886	872	856	841	836	842	850	858	865	863	858	850	841	828	814	800	789	782	792
115	1198	1183	1167	1152	1147	1154	1163	1173	1182	1183	1182	1180	1178	1178	1179	1181	1183	1184	1185
120	1495	1481	1467	1455	1453	1461	1472	1483	1494	1494	1493	1490	1487	1486	1487	1488	1489	1490	1489
125	1770	1760	1750	1741	1741	1751	1762	1774	1784	1784	1782	1779	1775	1773	1773	1774	1775	1775	1774
130	2024	2019	2013	2009	2010	2017	2026	2034	2041	2042	2041	2039	2037	2037	2038	2039	2039	2040	2038
135	2253	2250	2247	2245	2246	2252	2258	2264	2269	2270	2271	2271	2270	2271	2273	2274	2276	2276	2273
140	2446	2446	2445	2446	2448	2453	2458	2463	2468	2469	2470	2471	2471	2473	2476	2479	2481	2481	2478
145	2615	2616	2617	2619	2623	2627	2632	2637	2641	2642	2643	2644	2644	2647	2651	2654	2657	2658	2654
150	2758	2759	2761	2764	2767	2772	2776	2781	2785	2786	2788	2789	2790	2793	2798	2802	2805	2807	2801
155	2877	2878	2880	2882	2886	2890	2894	2899	2903	2905	2906	2908	2910	2913	2918	2922	2925	2926	2920
160	2971	2972	2974	2976	2979	2983	2987	2991	2995	2998	3000	3002	3004	3008	3012	3016	3018	3019	3013
165	3043	3044	3046	3048	3050	3053	3056	3060	3063	3066	3069	3071	3074	3078	3082	3086	3089	3090	3084
170	3094	3095	3097	3098	3101	3103	3106	3109	3112	3114	3117	3119	3122	3125	3129	3133	3135	3136	3129
175	3127	3128	3129	3130	3132	3133	3135	3136	3138	3140	3141	3143	3145	3148	3152	3155	3157	3157	3150
180	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	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	1437	1437	1437	1437	1437	1437	1436	1436	1436	1437	1437	1437	1438	1438	1438	1438	1438	1438	1438
5	1426	1425	1425	1425	1425	1425	1425	1425	1425	1424	1424	1424	1424	1425	1426	1427	1428	1428	1428
10	1396	1395	1395	1395	1394	1394	1394	1394	1393	1393	1392	1392	1393	1394	1395	1396	1397	1398	1399
15	1343	1342	1341	1340	1340	1339	1339	1339	1338	1337	1337	1337	1338	1339	1341	1343	1345	1346	1347
20	1266	1265	1263	1261	1259	1258	1257	1256	1256	1257	1257	1258	1259	1261	1263	1265	1267	1268	1269
25	1165	1162	1159	1156	1154	1152	1151	1150	1150	1150	1151	1152	1154	1156	1158	1161	1163	1164	1165
30	1036	1033	1029	1025	1022	1018	1015	1014	1015	1018	1021	1024	1028	1030	1032	1034	1036	1037	1038
35	861	861	861	860	860	859	859	858	857	856	856	856	858	863	868	873	878	878	877
40	700	703	705	704	699	694	689	684	681	679	678	679	681	685	690	696	701	703	706
45	546	547	547	548	550	551	552	552	550	547	544	541	537	533	530	527	526	527	529
50	392	397	404	411	420	429	437	444	450	454	455	453	443	425	407	391	379	389	404
55	266	284	301	310	309	306	303	302	312	323	332	339	332	313	293	274	261	274	292
60	211	224	235	233	220	204	190	180	191	206	223	237	240	232	221	210	201	207	216
65	204	200	194	179	157	135	117	104	117	135	156	177	187	186	182	177	171	173	175
70	160	154	145	135	122	111	101	94.3	99.0	107	116	127	136	143	148	152	154	151	146
75	124	121	117	113	111	108	106	104	103	102	102	104	110	119	129	138	144	140	134
80	92.6	91.2	90.0	90.1	91.4	93.0	94.5	95.8	95.0	93.8	92.7	91.8	92.3	94.3	96.3	98.0	99.1	97.1	94.4
85	44.5	45.1	45.8	46.3	46.5	46.7	47.0	47.3	47.9	48.6	49.2	50.0	50.7	51.3	51.9	52.3	52.5	52.2	51.7
90	2.54	2.57	2.60	2.65	2.72	2.80	2.90	3.02	3.16	3.32	3.49	3.65	3.75	3.80	3.89	4.06	4.35	5.23	6.15
95	30.6	29.9	29.3	28.2	26.8	25.9	26.0	27.4	32.7	39.2	46.6	54.4	62.5	70.5	77.6	83.2	86.7	84.5	80.2
100	31.7	31.8	35.2	45.8	63.9	85.8	111	138	170	201	232	259	277	285	290	290	289	290	289
105	310	329	353	386	425	465	502	533	542	544	543	540	542	549	557	564	568	564	557
110	805	821	837	848	854	858	859	860	856	852	849	847	852	865	877	889	897	890	880
115	1185	1184	1184	1183	1182	1181	1179	1177	1171	1165	1160	1157	1163	1175	1188	1200	1209	1202	1191
120	1489	1488	1487	1488	1490	1492	1493	1492	1484	1475	1467	1460	1463	1473	1484	1496	1504	1497	1488
125	1773	1772	1771	1772	1774	1777	1778	1779	1772	1765	1758	1752	1752	1758	1766	1774	1780	1776	1770
130	2036	2033	2031	2030	2031	2032	2033	2034	2030	2027	2023	2020	2020	2024	2027	2031	2035	2034	2032
135	2270	2266	2263	2260	2260	2259	2259	2259	2257	2255	2254	2253	2253	2255	2257	2260	2262	2262	2262
140	2473	2467	2462	2459	2458	2457	2457	2457	2456	2455	2454	2453	2452	2452	2452	2452	2453	2454	2456
145	2648	2641	2635	2631	2629	2628	2628	2628	2627	2626	2625	2624	2623	2621	2619	2619	2618	2621	2624
150	2794	2786	2778	2774	2772	2771	2771	2771	2771	2770	2770	2769	2767	2765	2763	2761	2761	2763	2766
155	2912	2904	2896	2891	2889	2888	2888	2888	2888	2887	2886	2885	2884	2882	2880	2879	2879	2881	2884
160	3005	2997	2989	2983	2981	2980	2980	2980	2979	2978	2977	2977	2976	2974	2973	2973	2973	2974	2977
165	3077	3069	3061	3055	3053	3051	3050	3050	3049	3048	3047	3046	3045	3044	3044	3044	3044	3046	3048
170	3121	3113	3104	3099	3097	3097	3097	3097	3096	3096	3095	3095	3094	3094	3094	3095	3095	3096	3098
175	3142	3133	3125	3121	3120	3121	3122	3124	3124	3124	3124	3124	3124	3125	3125	3126	3127	3128	3129
180	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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:229.60V I:0.3543A P:79.603W PF:0.9786 Freq:49.99Hz Lamp Flux:11868.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	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	1439	1439	1439	1439	1440	1440	1441	1441	1441	1441	1441	1441	1440	1440	1439				
5	1429	1429	1430	1431	1432	1433	1434	1434	1435	1435	1435	1435	1435	1435	1434				
10	1400	1400	1402	1403	1405	1406	1408	1410	1411	1412	1413	1414	1414	1413	1413				
15	1348	1349	1351	1353	1356	1358	1361	1363	1365	1367	1369	1370	1370	1371	1370				
20	1270	1271	1273	1276	1279	1281	1284	1288	1291	1294	1297	1299	1301	1303	1304				
25	1167	1168	1169	1171	1174	1176	1179	1183	1186	1190	1194	1197	1201	1205	1209				
30	1038	1038	1038	1037	1037	1037	1039	1045	1052	1060	1069	1077	1084	1091	1098				
35	876	876	879	884	889	896	903	909	915	921	926	930	932	934	934				
40	707	709	709	710	710	712	716	726	737	747	757	763	764	762	758				
45	533	538	545	555	564	574	582	585	586	586	586	586	587	587	588				
50	421	439	450	455	457	456	454	448	442	435	429	426	426	429	433				
55	313	333	344	344	341	337	331	330	328	326	323	318	311	302	291				
60	225	232	230	218	206	194	186	197	211	225	237	241	234	222	205				
65	175	174	163	143	124	108	97.4	113	135	159	183	200	208	212	212				
70	139	131	120	108	96.4	87.7	82.9	92.8	106	122	138	151	159	165	169				
75	126	117	110	105	100	96.7	94.6	94.9	96.6	99.4	103	108	112	118	125				
80	91.5	88.5	86.6	85.8	85.5	85.6	86.2	87.2	88.6	90.2	92.1	94.0	96.0	98.2	100				
85	51.1	50.6	50.4	50.5	50.8	51.1	51.4	51.5	51.6	51.9	52.3	53.0	54.1	55.4	56.9				
90	7.00	7.68	7.71	7.09	6.30	5.46	4.67	4.57	4.59	4.68	4.80	4.83	4.74	4.61	4.43				
95	74.2	67.0	58.8	50.1	41.6	33.8	27.4	25.7	25.5	26.3	27.6	28.4	28.6	28.7	28.7				
100	285	278	262	239	213	185	156	128	100	75.7	54.3	39.2	30.8	27.5	29.1				
105	550	543	543	550	554	555	550	521	486	448	409	377	354	334	318				
110	869	858	853	856	861	866	872	875	877	877	874	867	855	840	821				
115	1179	1168	1165	1168	1174	1182	1190	1194	1199	1202	1205	1206	1206	1204	1202				
120	1478	1470	1469	1476	1485	1495	1505	1509	1512	1513	1514	1513	1512	1510	1507				
125	1764	1760	1761	1768	1776	1785	1793	1796	1798	1798	1798	1796	1795	1792	1789				
130	2031	2029	2031	2035	2039	2044	2048	2051	2054	2056	2057	2057	2056	2053	2050				
135	2262	2262	2263	2266	2268	2271	2274	2278	2282	2285	2287	2288	2288	2286	2284				
140	2458	2460	2462	2465	2467	2470	2473	2477	2481	2484	2487	2488	2489	2489	2488				
145	2627	2631	2634	2637	2639	2642	2645	2648	2651	2654	2657	2659	2660	2661	2662				
150	2770	2774	2777	2780	2783	2786	2788	2792	2795	2798	2801	2803	2805	2806	2807				
155	2887	2890	2893	2896	2898	2901	2903	2907	2911	2914	2918	2921	2922	2924	2925				
160	2980	2983	2985	2987	2990	2992	2995	2999	3002	3006	3010	3013	3015	3016	3017				
165	3050	3052	3054	3057	3059	3061	3064	3068	3071	3074	3078	3081	3083	3085	3087				
170	3100	3101	3103	3105	3108	3110	3112	3115	3118	3121	3124	3126	3128	3130	3132				
175	3130	3132	3133	3135	3136	3138	3139	3141	3143	3145	3147	3149	3151	3152	3154				
180	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160	3160				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-22

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: