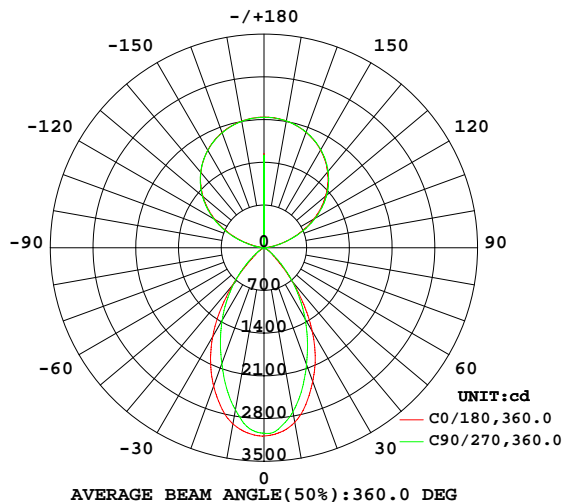


LUMINAIRE PHOTOMETRIC TEST REPORT

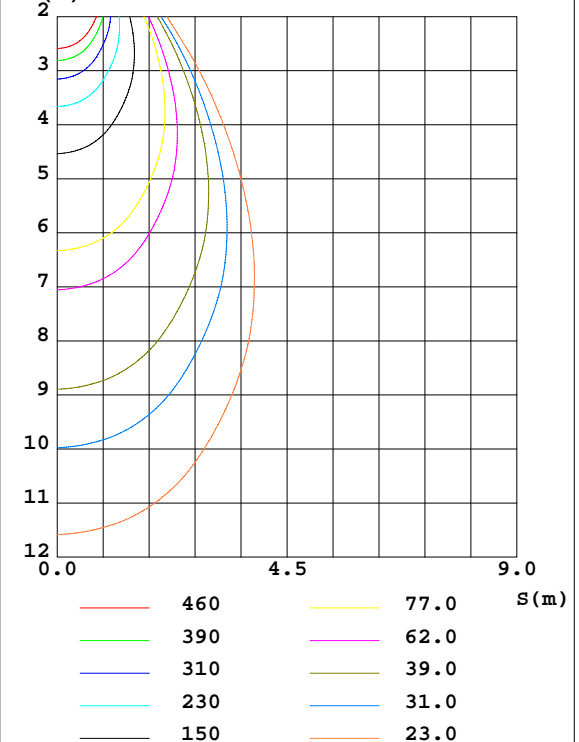
Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1325*40*60	SERIAL No.:
MFR.:	SUR.:1.32*0.034	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.72 lm/W			
MODEL		Imax(cd)	3086	S/MH(C0/180)	0.93
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	0.80
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	8908.5	η UP,DN(C0-180)	33.9,16.3
NOMINAL FLUX(lm)	8908.49	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	33.6,16.3
LAMPS INSIDE	1	η up(%)	67.5	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	η down(%)	32.5	CIBSE SHR MAX	0.85

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:2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

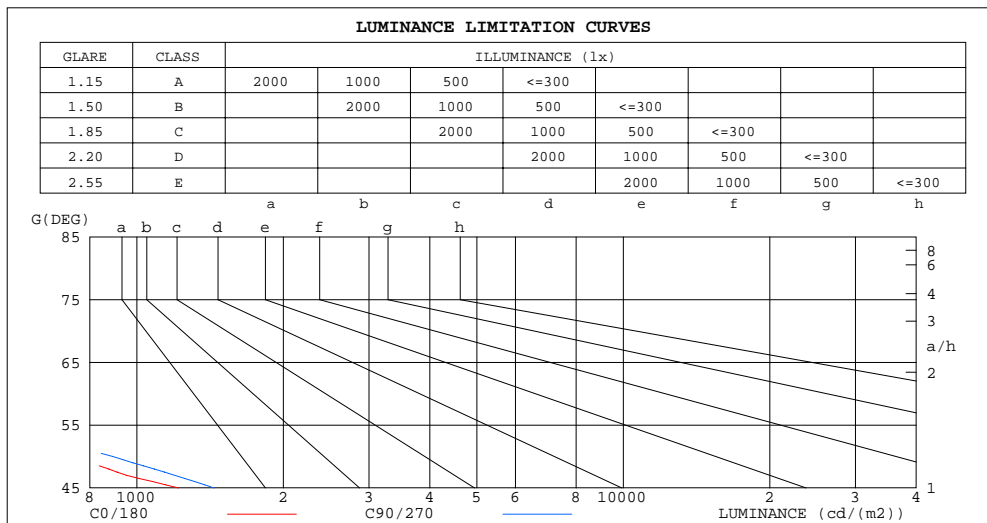
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2904	2802	2732	2784	2931	2819	2698	2770	0- 10	279.2	279.2	3.13,3.13
20	2333	2088	2038	2092	2414	2107	2020	2032	10- 20	695.3	974.5	10.9,10.9
30	1583	1306	1350	1328	1683	1333	1373	1294	20- 30	806.4	1781	20,20
40	724.8	647.7	727.0	670.1	804.4	689.5	771.9	660.9	30- 40	647.1	2428	27.3,27.3
50	206.4	225.2	257.0	238.0	216.8	246.0	275.1	238.4	40- 50	339.4	2767	31.1,31.1
60	61.11	52.45	30.07	50.63	53.52	53.96	35.29	56.05	50- 60	115.5	2883	32.4,32.4
70	0.5850	3.225	0.6448	2.778	0.5498	3.195	0.5152	3.130	60- 70	14.63	2898	32.5,32.5
80	0.3780	0.3781	0.4211	0.4210	0.6277	0.5875	0.4493	0.4123	70- 80	0.5843	2898	32.5,32.5
90	0.5670	4.610	5.712	0.4210	1.134	0.6100	0.5670	3.789	80- 90	0.5699	2899	32.5,32.5
100	128.4	150.8	156.6	133.2	84.58	127.3	145.7	141.0	90-100	45.26	2944	33,33
110	526.7	522.5	540.9	505.2	501.2	496.5	524.7	504.1	100-110	331.4	3275	36.8,36.8
120	945.4	942.5	971.5	925.8	929.2	912.2	949.5	921.0	110-120	719.1	3994	44.8,44.8
130	1320	1318	1340	1307	1305	1291	1316	1300	120-130	1010	5005	56.2,56.2
140	1623	1623	1634	1617	1611	1601	1614	1609	130-140	1135	6140	68.9,68.9
150	1853	1853	1859	1851	1844	1837	1843	1845	140-150	1089	7229	81.1,81.1
160	2014	2014	2017	2014	2009	2003	2006	2009	150-160	893.3	8122	91.2,91.2
170	2110	2109	2110	2110	2108	2103	2104	2108	160-170	583.7	8706	97.7,97.7
180	2142	2142	2142	2142	2142	2142	2142	2142	170-180	202.7	8908	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:2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1325*40*60	SERIAL No.:
MFR.:	SUR.:1.32*0.034	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10	11
80	5	5
75	4	4
70	4	4
65	33	14
60	272	134
55	507	473
50	715	891
45	1217	1441

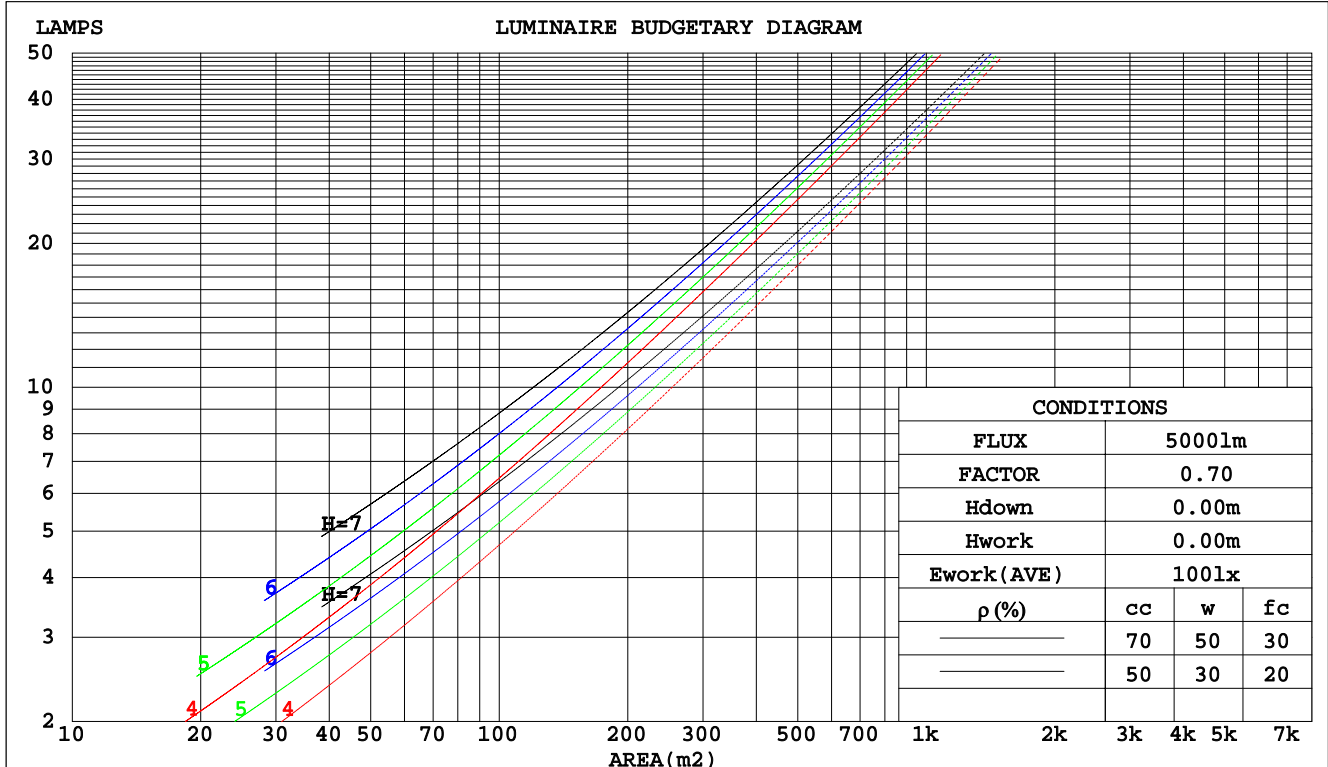
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1325*40*60	SERIAL No.:
MFR.:	SUR.:1.32*0.034	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	1.03	1.03	1.03	.93	.93	.93	.74	.74	.74	.56	.56	.56	.40	.40	.40	.33
1.0	.92	.88	.85	.83	.80	.78	.66	.65	.63	.51	.50	.49	.37	.37	.36	.30
2.0	.82	.77	.72	.74	.70	.66	.60	.57	.55	.47	.45	.44	.35	.34	.33	.28
3.0	.73	.67	.62	.67	.61	.57	.54	.51	.48	.43	.41	.39	.32	.31	.30	.25
4.0	.66	.59	.54	.60	.54	.50	.49	.45	.42	.39	.37	.35	.30	.29	.27	.23
5.0	.60	.53	.47	.55	.49	.44	.45	.41	.38	.36	.33	.31	.28	.26	.25	.22
6.0	.54	.47	.42	.50	.44	.39	.41	.37	.34	.34	.31	.28	.26	.24	.23	.20
7.0	.49	.42	.38	.45	.39	.35	.38	.34	.30	.31	.28	.26	.24	.23	.21	.19
8.0	.45	.38	.34	.42	.36	.32	.35	.31	.28	.29	.26	.24	.23	.21	.20	.17
9.0	.42	.35	.31	.39	.33	.29	.33	.28	.25	.27	.24	.22	.22	.20	.18	.16
10.0	.39	.32	.28	.36	.30	.26	.30	.26	.23	.25	.22	.20	.20	.18	.17	.15



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-11-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1325*40*60			SERIAL No.:		
MFR.:			SUR.:1.32*0.034			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	.208	.119	.038	.157	.090	.029	.110	.063	.020	.067	.039	.012	
2.0	.219	.120	.037	.194	.107	.033	.148	.082	.026	.105	.059	.018	.065	.037	.012	
3.0	.204	.109	.033	.182	.097	.029	.139	.075	.023	.100	.055	.017	.063	.035	.011	
4.0	.191	.099	.029	.170	.089	.026	.131	.069	.021	.095	.051	.015	.061	.033	.010	
5.0	.179	.091	.026	.160	.082	.024	.123	.064	.019	.090	.047	.014	.058	.031	.009	
6.0	.168	.084	.024	.150	.076	.022	.117	.060	.017	.085	.044	.013	.056	.029	.009	
7.0	.158	.078	.022	.141	.070	.020	.110	.056	.016	.081	.042	.012	.054	.028	.008	
8.0	.149	.073	.020	.133	.066	.019	.104	.052	.015	.077	.039	.011	.051	.026	.008	
9.0	.141	.068	.019	.126	.062	.017	.099	.049	.014	.073	.037	.011	.049	.025	.007	
10.0	.133	.064	.018	.120	.058	.016	.094	.046	.013	.070	.035	.010	.047	.024	.007	

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	.704	.704	.704	.602	.602	.602	.411	.411	.411	.236	.236	.236	.075	.075	.075	
1.0	.693	.675	.659	.593	.579	.567	.406	.399	.392	.234	.231	.228	.075	.074	.074	
2.0	.684	.654	.629	.586	.563	.543	.402	.389	.379	.232	.227	.222	.074	.073	.072	
3.0	.676	.638	.608	.580	.551	.527	.398	.383	.370	.230	.223	.218	.074	.073	.071	
4.0	.669	.627	.594	.574	.541	.516	.395	.377	.363	.228	.221	.215	.074	.072	.071	
5.0	.663	.617	.584	.569	.534	.508	.392	.373	.358	.227	.219	.213	.073	.071	.070	
6.0	.657	.610	.576	.565	.528	.502	.390	.370	.355	.226	.217	.211	.073	.071	.070	
7.0	.651	.604	.570	.560	.523	.497	.387	.367	.352	.225	.216	.210	.073	.071	.069	
8.0	.646	.599	.566	.556	.519	.494	.385	.365	.350	.224	.215	.209	.072	.071	.069	
9.0	.642	.594	.563	.553	.516	.491	.383	.363	.348	.223	.214	.208	.072	.070	.069	
10.0	.637	.591	.560	.549	.513	.489	.381	.361	.347	.222	.213	.207	.072	.070	.069	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1325*40*60			SERIAL No.:			
MFR.:					SUR.:1.32*0.034			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	4.2	4.9	5.2	5.9	7.2	4.3	5.0	5.3	6.0	7.3	
	3H	3.9	4.5	4.9	5.5	6.8	3.9	4.5	5.0	5.6	6.9
	4H	3.7	4.3	4.7	5.3	6.7	3.7	4.3	4.8	5.3	6.7
	6H	3.5	4.0	4.5	5.1	6.5	3.5	4.1	4.6	5.1	6.5
	8H	3.4	3.9	4.5	4.9	6.3	3.4	4.0	4.5	5.0	6.4
	12H	3.3	3.8	4.4	4.8	6.2	3.3	3.8	4.4	4.9	6.3
4H	2H	3.7	4.3	4.8	5.3	6.7	3.8	4.4	4.8	5.4	6.8
	3H	3.4	3.8	4.4	4.9	6.3	3.4	3.9	4.5	5.0	6.4
	4H	3.2	3.6	4.2	4.7	6.1	3.2	3.6	4.3	4.7	6.2
	6H	3.0	3.3	4.1	4.4	5.9	3.0	3.4	4.1	4.5	5.9
	8H	2.8	3.2	4.0	4.3	5.8	2.9	3.2	4.0	4.3	5.8
	12H	2.7	3.1	3.9	4.2	5.7	2.8	3.1	3.9	4.2	5.7
8H	4H	2.8	3.2	4.0	4.3	5.8	2.9	3.2	4.0	4.3	5.8
	6H	2.6	2.9	3.8	4.0	5.5	2.7	3.0	3.8	4.1	5.6
	8H	2.5	2.8	3.7	3.9	5.4	2.6	2.8	3.7	4.0	5.5
	12H	2.4	2.6	3.6	3.8	5.3	2.5	2.7	3.6	3.8	5.4
12H	4H	2.7	3.1	3.9	4.2	5.7	2.8	3.1	3.9	4.2	5.7
	6H	2.5	2.8	3.7	3.9	5.4	2.6	2.8	3.7	4.0	5.5
	8H	2.4	2.6	3.6	3.8	5.3	2.5	2.7	3.6	3.8	5.4
Variations with the observer position at spacings:											
S = 1.0H	+ 2.7 / - 6.0					+ 2.4 / - 7.2					
1.5H	+ 4.0 / - 4.1					+ 3.1 / - 4.8					
2.0H	+ 4.7 / - 8.2					+ 5.3 / -12.7					

CIE Pub.117, 8908 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.6$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1325*40*60	SERIAL No.:
MFR.:	SUR.:1.32*0.034	Shielding Angle:

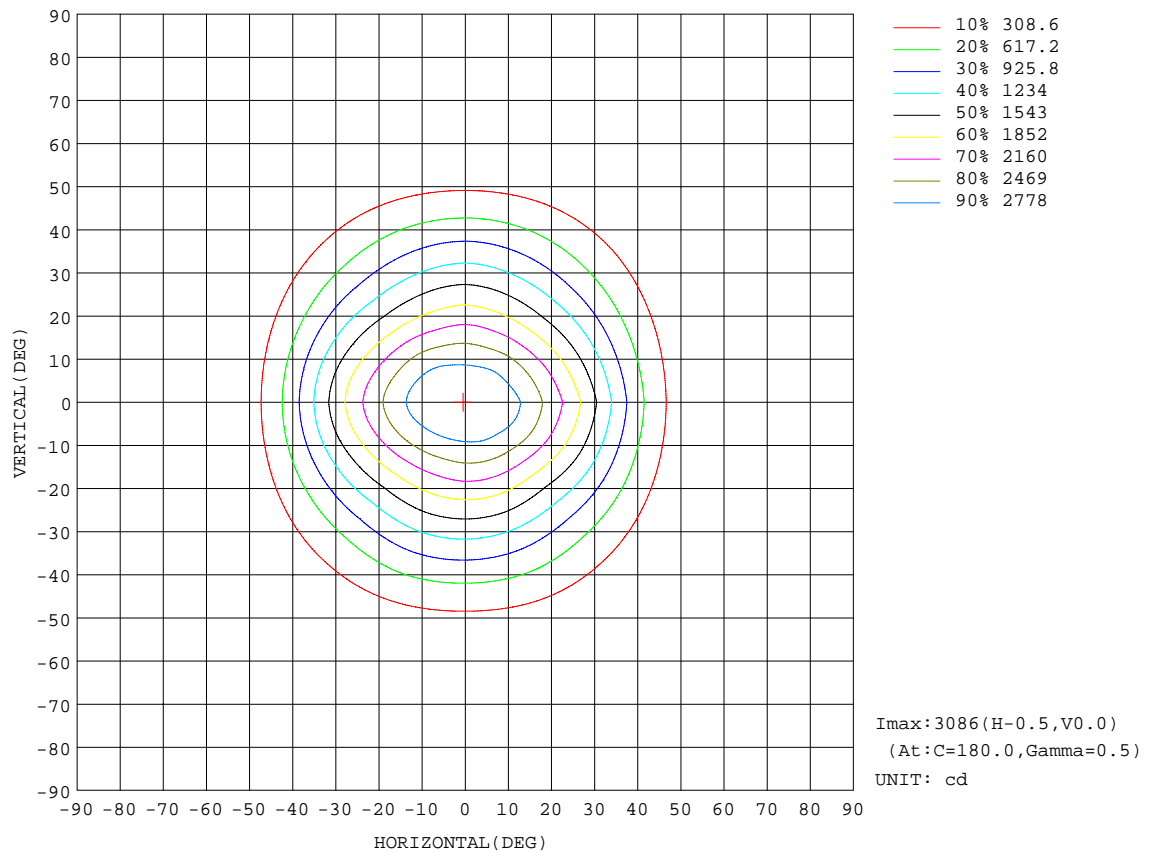
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	37	32	44	36	31	38	32	28	21
0.80	56	46	40	52	43	38	44	38	34	24
1.00	62	52	46	58	49	44	49	43	39	26
1.25	69	59	52	63	55	49	53	47	43	28
1.50	73	64	58	67	59	54	55	50	47	29
2.00	79	71	65	72	65	60	59	55	51	30
2.50	83	76	70	76	69	65	62	58	54	30
3.00	86	80	74	78	73	68	63	60	57	31
4.00	90	84	80	82	77	73	66	63	60	31
5.00	93	88	84	84	80	76	67	65	63	32
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:2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1325*40*60	SERIAL No.:
MFR.:	SUR.:1.32*0.034	Shielding Angle:

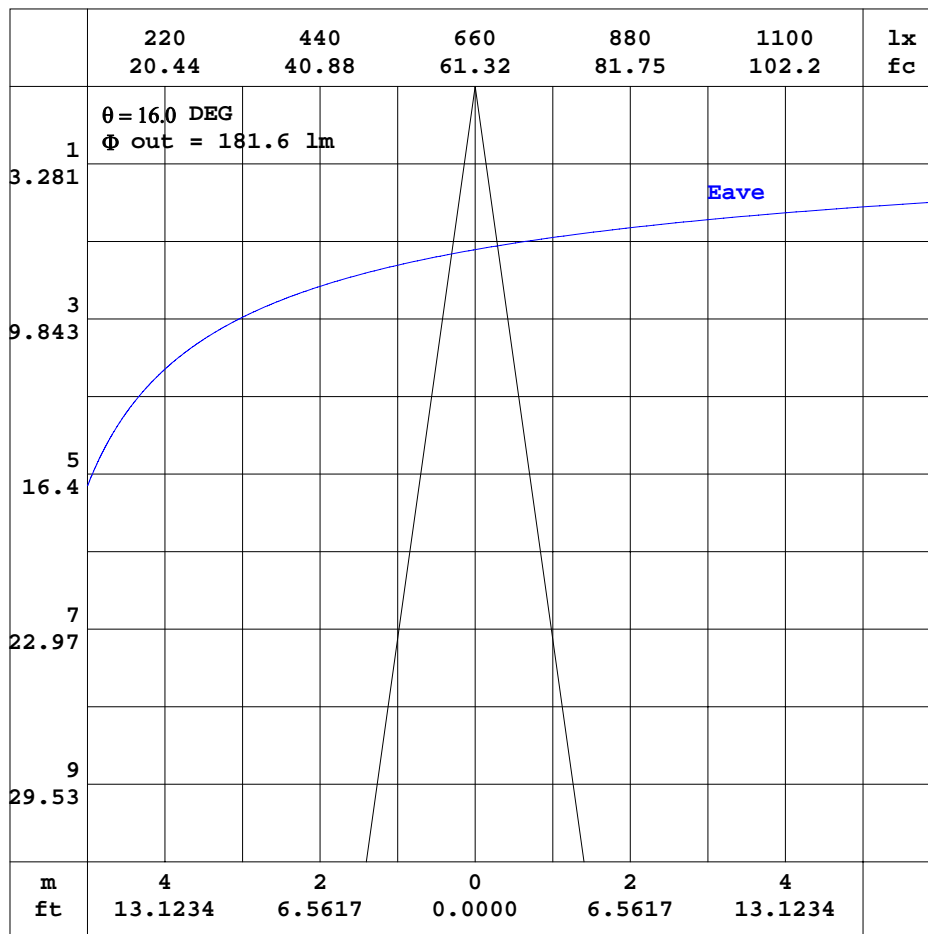


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI CURVES

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1325*40*60	SERIAL No.:
MFR.:	SUR.:1.32*0.034	Shielding Angle:



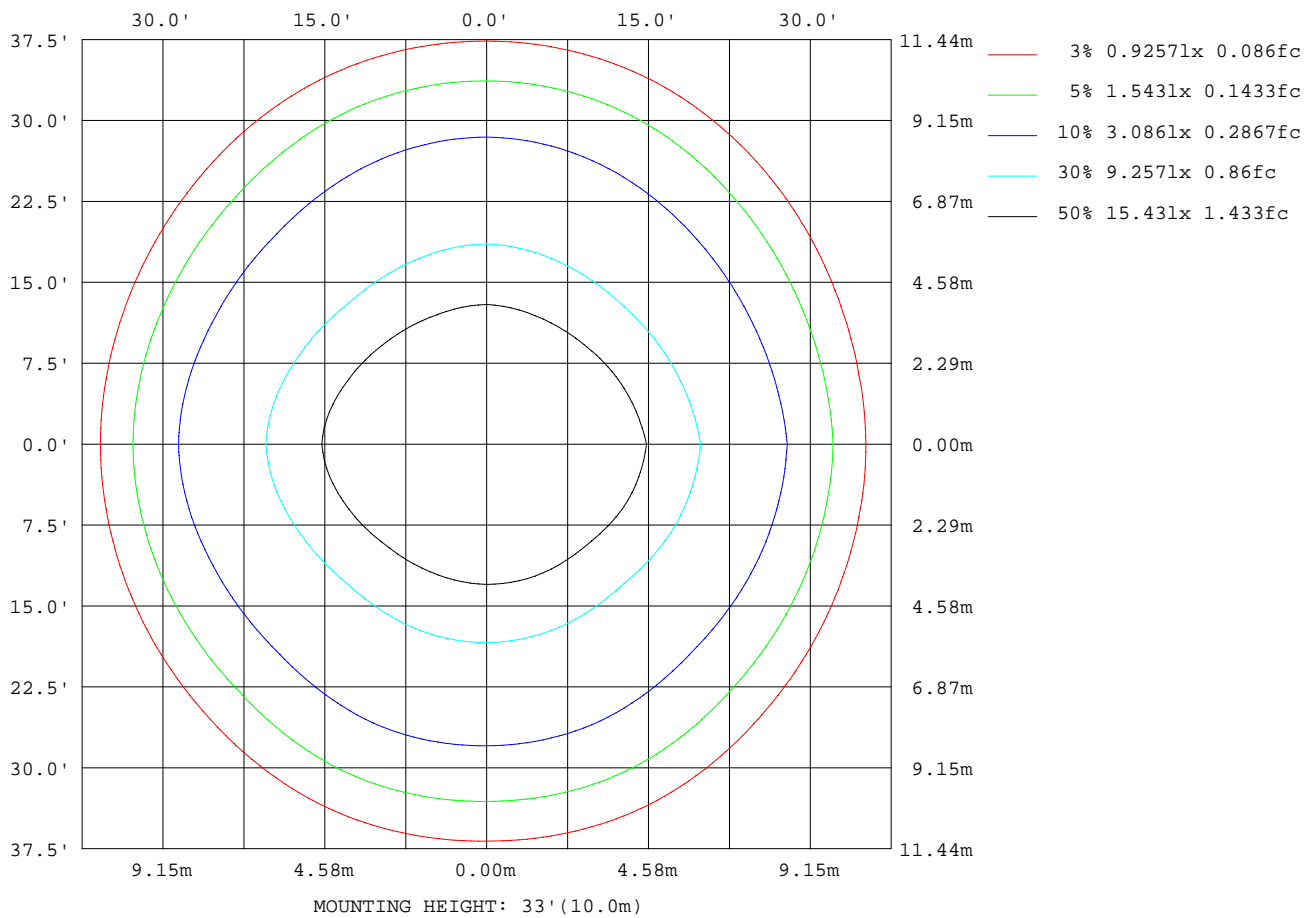
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1325*40*60	SERIAL No.:
MFR.:	SUR.:1.32*0.034	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1325*40*60	SERIAL No.:
MFR.:	SUR.:1.32*0.034	Shielding Angle:

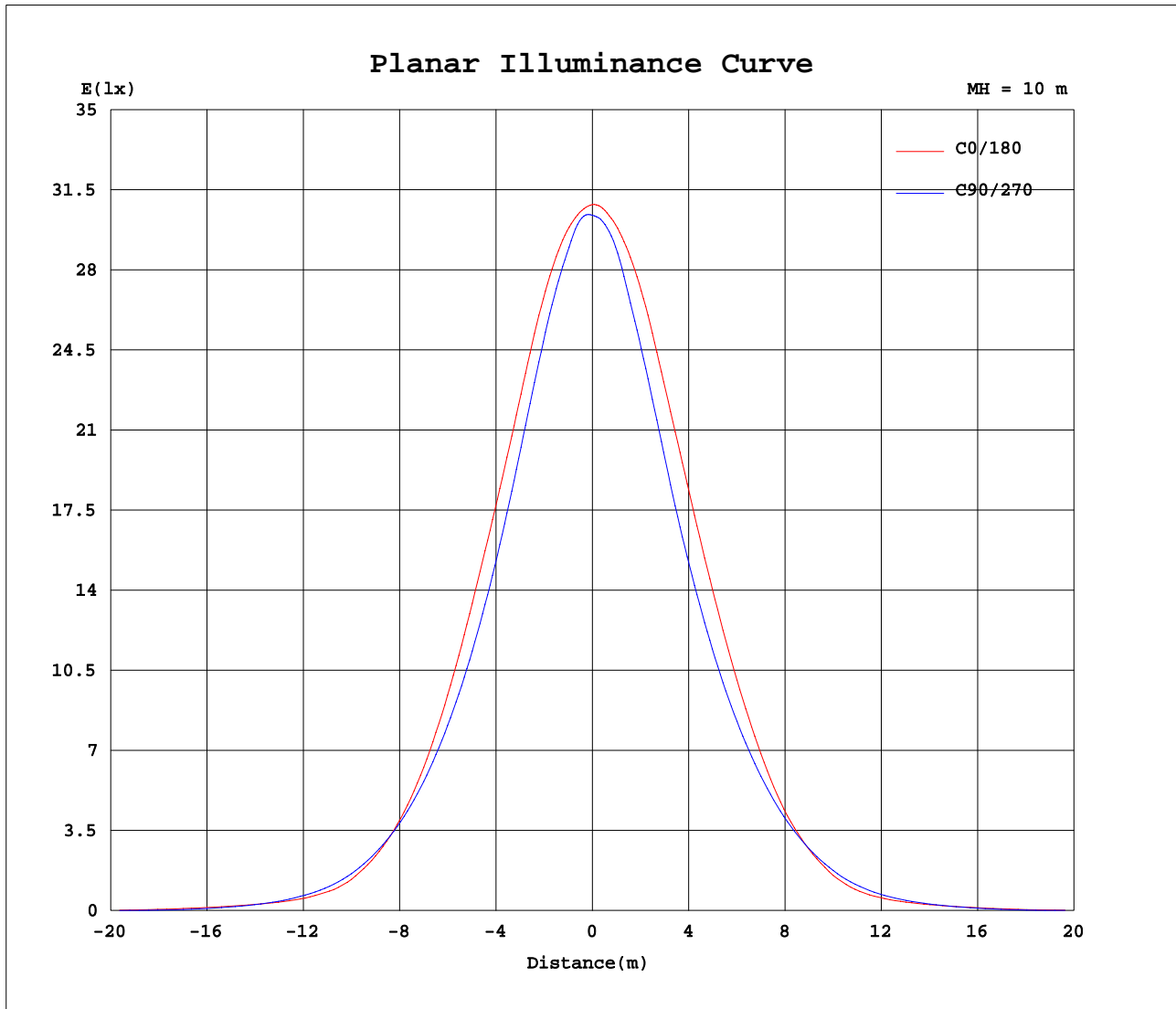
AvgL	cd/m2
L_0~180(65)av	30
L_0~180(75)av	4
L_0~180(85)av	16
L_90~270(65)av	14
L_90~270(75)av	4
L_90~270(85)av	12
L_45(65)av	93
L_45(75)av	5
L_45(85)av	10

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2023-11-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1325*40*60						SERIAL No.:		
MFR.:									SUR.:1.32*0.034						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	3086	3080	3076	3071	3067	3063	3060	3057	3055	3052	3050	3048	3046	3044	3043	3042	3040	3039	3039
5	3036	3032	3028	3023	3019	3015	3011	3007	3003	2999	2994	2988	2983	2978	2973	2969	2966	2963	2962
10	2904	2900	2895	2887	2878	2865	2850	2834	2817	2802	2791	2782	2773	2766	2758	2750	2743	2737	2732
15	2655	2649	2639	2627	2611	2591	2566	2540	2514	2490	2474	2461	2449	2439	2431	2423	2416	2410	2406
20	2333	2316	2296	2274	2249	2219	2185	2150	2117	2088	2072	2061	2053	2048	2044	2042	2040	2039	2038
25	1991	1962	1932	1900	1867	1829	1787	1747	1711	1681	1674	1673	1677	1683	1687	1687	1687	1687	1686
30	1583	1554	1525	1495	1465	1431	1394	1360	1330	1306	1302	1305	1312	1322	1330	1336	1342	1347	1350
35	1139	1115	1092	1070	1049	1027	1004	984	967	956	960	968	980	993	1004	1011	1018	1023	1027
40	725	710	698	686	676	667	658	651	648	648	658	671	686	701	712	718	722	725	727
45	386	384	382	382	382	384	385	388	393	398	409	421	432	443	450	454	456	457	457
50	206	205	205	205	206	208	212	216	220	225	232	238	244	250	253	255	257	257	257
55	131	129	128	126	125	124	122	121	120	119	119	119	120	120	121	121	121	121	122
60	61.1	62.6	63.5	63.8	63.4	62.3	60.5	58.2	55.5	52.5	49.0	45.4	41.9	38.6	35.8	33.6	31.9	30.7	30.1
65	6.32	8.26	10.0	11.7	13.1	14.6	16.1	17.3	17.9	17.8	15.7	13.0	10.0	7.12	5.03	3.89	3.13	2.73	2.64
70	0.58	0.34	0.22	0.24	0.40	0.84	1.52	2.21	2.80	3.22	2.81	2.23	1.55	0.88	0.50	0.44	0.46	0.54	0.64
75	0.41	0.38	0.36	0.35	0.35	0.37	0.40	0.43	0.46	0.49	0.47	0.45	0.43	0.40	0.40	0.42	0.45	0.47	0.49
80	0.38	0.36	0.35	0.34	0.33	0.34	0.35	0.36	0.37	0.38	0.36	0.34	0.33	0.31	0.32	0.34	0.37	0.40	0.42
85	0.39	0.37	0.35	0.33	0.31	0.31	0.30	0.30	0.30	0.30	0.30	0.29	0.29	0.29	0.31	0.34	0.37	0.39	0.42
90	0.57	0.49	0.42	0.36	0.32	0.29	0.28	0.27	0.27	4.61	4.55	4.51	4.50	4.51	5.14	4.78	4.94	5.07	5.71
95	24.2	24.5	24.9	25.4	25.9	26.4	26.9	27.5	28.4	29.5	31.8	34.2	36.7	39.0	40.6	41.6	42.1	42.3	42.0
100	128	131	134	136	139	142	144	147	149	151	151	150	149	148	149	151	153	155	157
105	320	321	323	324	324	325	324	324	323	322	319	317	316	315	316	319	323	326	329
110	527	528	528	528	528	527	527	525	524	522	520	518	516	515	518	524	531	537	541
115	738	739	739	739	739	739	738	737	736	735	733	730	729	728	732	740	748	756	761
120	945	946	946	946	945	945	945	944	943	943	941	940	939	940	944	952	959	966	972
125	1141	1141	1141	1140	1140	1140	1139	1139	1139	1139	1137	1137	1136	1137	1141	1148	1155	1161	1166
130	1320	1320	1319	1319	1319	1318	1318	1318	1318	1318	1317	1317	1317	1318	1321	1326	1332	1337	1340
135	1481	1481	1480	1479	1479	1479	1479	1479	1480	1480	1480	1480	1480	1480	1483	1486	1490	1494	1496
140	1623	1622	1621	1621	1620	1620	1621	1621	1622	1623	1622	1622	1622	1623	1625	1627	1630	1633	1634
145	1747	1746	1745	1745	1744	1745	1745	1746	1746	1747	1747	1747	1747	1748	1749	1751	1753	1754	1755
150	1853	1852	1851	1851	1850	1851	1851	1852	1853	1853	1854	1854	1854	1854	1855	1856	1857	1858	1859
155	1942	1941	1940	1940	1939	1940	1940	1941	1942	1943	1943	1943	1942	1942	1943	1944	1945	1946	1946
160	2014	2013	2012	2011	2011	2011	2012	2013	2014	2014	2014	2014	2014	2014	2015	2015	2016	2017	2017
165	2070	2069	2068	2068	2067	2068	2068	2069	2069	2070	2070	2070	2070	2070	2070	2071	2071	2072	2072
170	2110	2109	2108	2107	2107	2107	2107	2107	2108	2109	2109	2109	2109	2109	2109	2109	2110	2110	2110
175	2134	2133	2132	2131	2131	2130	2130	2131	2131	2131	2131	2131	2131	2131	2132	2132	2132	2132	2132
180	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-11-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1325*40*60					SERIAL No.:				
MFR.:									SUR.:1.32*0.034					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	3038	3037	3036	3035	3035	3034	3034	3034	3034	3032	3030	3029	3030	3037	3050	3063	3075	3086	3085
5	2963	2965	2968	2971	2974	2977	2980	2982	2985	2984	2984	2984	2987	2995	3010	3024	3037	3047	3043
10	2730	2729	2730	2732	2738	2747	2758	2770	2784	2801	2818	2836	2854	2873	2892	2909	2922	2931	2927
15	2400	2397	2395	2397	2405	2418	2435	2455	2478	2507	2537	2568	2598	2628	2655	2679	2697	2707	2698
20	2032	2026	2022	2021	2025	2035	2049	2068	2092	2127	2165	2205	2246	2289	2332	2368	2397	2414	2397
25	1685	1685	1684	1684	1682	1679	1680	1685	1697	1729	1768	1811	1857	1909	1962	2010	2048	2071	2050
30	1350	1348	1345	1341	1335	1327	1322	1322	1328	1354	1387	1425	1467	1517	1571	1619	1658	1683	1661
35	1028	1028	1025	1022	1013	1001	990	983	981	997	1019	1046	1077	1115	1157	1196	1227	1247	1229
40	729	729	728	725	716	703	690	678	670	673	681	692	706	726	750	773	792	804	793
45	459	460	460	459	453	444	434	424	416	414	413	415	417	420	425	429	433	435	433
50	257	257	257	256	253	250	246	242	238	233	229	225	221	219	218	217	217	217	216
55	122	122	121	121	121	122	122	122	122	122	122	122	122	123	124	125	126	126	126
60	30.2	30.8	32.1	33.9	36.5	39.9	43.6	47.2	50.6	53.0	55.0	56.4	57.4	57.4	56.5	55.5	54.4	53.5	54.4
65	2.62	2.91	3.53	4.52	6.37	8.98	11.6	14.1	16.0	16.2	15.7	14.7	13.4	11.6	9.66	7.77	6.17	5.07	5.78
70	0.55	0.48	0.45	0.50	0.81	1.37	1.94	2.43	2.78	2.44	1.95	1.39	0.82	0.49	0.42	0.42	0.47	0.55	0.49
75	0.47	0.45	0.43	0.41	0.41	0.42	0.44	0.46	0.48	0.48	0.48	0.48	0.48	0.49	0.51	0.53	0.54	0.56	0.55
80	0.41	0.40	0.38	0.37	0.37	0.38	0.39	0.41	0.42	0.43	0.43	0.44	0.45	0.48	0.52	0.56	0.60	0.63	0.61
85	0.40	0.39	0.37	0.35	0.34	0.34	0.35	0.36	0.38	0.40	0.43	0.46	0.51	0.57	0.66	0.74	0.81	0.86	0.83
90	0.40	0.38	0.35	0.33	0.33	0.34	0.37	0.39	0.42	0.43	0.45	0.48	0.53	0.62	0.77	0.91	1.04	1.13	1.11
95	41.5	40.5	39.2	37.5	35.0	32.0	28.8	25.6	22.6	20.8	19.2	18.0	16.9	15.9	14.9	14.0	13.4	13.1	13.3
100	155	153	150	147	144	142	140	137	133	126	118	110	102	96.0	91.3	87.8	85.5	84.6	86.0
105	326	323	319	314	311	309	308	306	305	305	304	303	302	299	296	292	289	286	287
110	537	531	524	517	512	509	507	506	505	506	507	508	508	508	506	504	503	501	501
115	757	750	743	735	728	725	722	719	718	718	719	720	722	722	722	722	721	720	720
120	968	963	956	948	941	936	932	928	926	926	926	927	929	930	930	930	930	929	929
125	1163	1158	1152	1146	1140	1135	1131	1127	1124	1123	1123	1123	1124	1125	1125	1125	1125	1126	1125
130	1338	1334	1329	1324	1320	1316	1313	1310	1307	1306	1305	1305	1304	1305	1305	1305	1305	1305	1305
135	1494	1492	1488	1484	1481	1478	1476	1474	1472	1470	1469	1468	1467	1466	1466	1467	1467	1467	1467
140	1633	1631	1628	1625	1623	1621	1620	1618	1617	1615	1614	1612	1611	1611	1611	1611	1611	1611	1610
145	1754	1753	1751	1749	1747	1746	1745	1744	1743	1742	1740	1739	1737	1737	1737	1737	1737	1737	1736
150	1858	1857	1856	1854	1853	1853	1852	1852	1851	1850	1848	1847	1846	1845	1845	1845	1844	1844	1844
155	1946	1945	1944	1943	1942	1942	1942	1941	1941	1940	1939	1938	1937	1936	1936	1936	1935	1935	1934
160	2017	2016	2015	2015	2014	2014	2014	2014	2014	2013	2012	2011	2010	2010	2009	2009	2009	2009	2008
165	2072	2071	2071	2071	2071	2071	2070	2070	2070	2070	2069	2068	2068	2067	2067	2067	2067	2067	2066
170	2110	2110	2110	2110	2110	2110	2110	2110	2110	2110	2109	2109	2109	2108	2108	2108	2108	2108	2107
175	2132	2132	2132	2132	2132	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133	2132
180	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-11-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1325*40*60					SERIAL No.:				
MFR.:									SUR.:1.32*0.034					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	3081	3075	3069	3063	3060	3057	3055	3052	3050	3048	3046	3044	3043	3042	3040	3039	3039	3038	3037
5	3036	3026	3015	3006	2999	2993	2987	2982	2978	2975	2972	2969	2966	2964	2963	2961	2960	2960	2960
10	2918	2906	2891	2877	2863	2849	2834	2819	2801	2783	2765	2749	2734	2722	2711	2703	2698	2697	2699
15	2681	2659	2633	2608	2584	2559	2534	2509	2481	2453	2428	2406	2391	2384	2381	2379	2379	2372	2367
20	2370	2334	2292	2252	2214	2177	2141	2107	2079	2054	2034	2019	2011	2011	2013	2017	2020	2012	2003
25	2014	1968	1916	1865	1819	1775	1736	1702	1685	1674	1669	1668	1670	1676	1682	1687	1691	1685	1676
30	1624	1578	1526	1477	1434	1395	1361	1333	1324	1321	1324	1331	1340	1350	1360	1368	1373	1365	1354
35	1199	1162	1121	1085	1056	1030	1009	994	993	998	1007	1018	1030	1043	1054	1063	1068	1061	1050
40	775	754	732	715	703	695	691	690	697	707	720	733	745	755	763	769	772	767	758
45	429	426	422	420	420	421	424	429	438	449	461	472	481	487	492	495	496	493	489
50	216	216	217	221	226	232	239	246	252	258	264	269	272	274	275	275	275	275	274
55	125	124	123	123	124	125	126	127	127	127	127	127	128	130	132	133	135	133	132
60	55.5	56.6	57.6	58.0	57.8	57.0	55.8	54.0	50.6	46.9	43.1	39.6	37.2	36.0	35.4	35.1	35.3	35.1	35.4
65	7.04	8.68	10.5	12.6	14.6	16.3	17.5	18.0	15.8	13.1	9.97	6.90	4.76	3.69	3.03	2.73	2.75	2.70	2.97
70	0.46	0.48	0.59	0.98	1.62	2.26	2.81	3.20	2.80	2.24	1.59	0.94	0.54	0.43	0.41	0.44	0.52	0.45	0.42
75	0.54	0.53	0.53	0.56	0.62	0.67	0.72	0.75	0.70	0.64	0.57	0.50	0.45	0.44	0.44	0.45	0.46	0.47	0.48
80	0.59	0.56	0.54	0.53	0.55	0.57	0.58	0.59	0.55	0.51	0.47	0.43	0.41	0.41	0.42	0.44	0.45	0.45	0.44
85	0.78	0.71	0.64	0.58	0.54	0.51	0.49	0.46	0.44	0.43	0.42	0.41	0.42	0.44	0.46	0.48	0.50	0.48	0.46
90	1.05	0.97	0.87	0.80	0.74	0.70	0.65	0.61	0.56	0.52	0.49	0.46	0.46	0.49	0.52	0.55	0.57	0.54	0.51
95	13.8	14.5	15.3	16.1	16.9	17.9	19.2	20.8	23.8	26.9	30.1	33.0	34.9	35.8	36.2	36.5	36.6	37.5	38.3
100	88.7	92.5	97.2	103	109	115	122	127	131	134	137	139	141	142	144	145	146	146	146
105	289	292	295	297	298	298	298	299	299	299	300	301	303	306	310	313	315	316	315
110	502	502	503	502	501	499	498	496	497	497	499	501	505	510	516	521	525	525	524
115	720	720	719	717	714	710	708	705	706	708	710	714	719	726	732	738	743	743	741
120	929	928	927	924	921	917	914	912	913	915	918	922	927	934	940	945	949	949	948
125	1125	1124	1123	1121	1117	1114	1111	1109	1110	1112	1115	1119	1123	1128	1133	1138	1141	1141	1140
130	1304	1304	1302	1300	1298	1295	1293	1291	1292	1294	1297	1300	1304	1307	1311	1314	1316	1317	1316
135	1466	1465	1464	1462	1460	1458	1456	1455	1457	1459	1461	1464	1466	1469	1471	1473	1474	1475	1475
140	1610	1609	1608	1606	1604	1603	1602	1601	1602	1604	1606	1608	1609	1611	1612	1613	1614	1615	1616
145	1735	1734	1734	1732	1731	1729	1728	1728	1729	1730	1732	1734	1735	1736	1736	1737	1737	1738	1739
150	1843	1842	1841	1840	1839	1838	1837	1837	1838	1839	1840	1842	1842	1843	1843	1843	1843	1844	1845
155	1934	1933	1932	1931	1930	1929	1929	1928	1929	1930	1931	1932	1933	1933	1933	1933	1933	1933	1934
160	2007	2006	2005	2005	2004	2004	2003	2003	2004	2004	2005	2006	2006	2006	2006	2006	2006	2006	2007
165	2065	2064	2063	2062	2062	2062	2061	2061	2062	2062	2063	2063	2063	2063	2063	2063	2063	2064	2064
170	2106	2105	2104	2103	2103	2103	2103	2103	2103	2104	2104	2104	2104	2104	2104	2104	2104	2105	2105
175	2131	2130	2129	2128	2128	2128	2128	2128	2128	2129	2129	2129	2129	2129	2129	2129	2129	2130	2130
180	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-11-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.75V I:0.2693A P:59.900W PF:0.9682 Freq:49.99Hz Lamp Flux:8908.49x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1325*40*60						SERIAL No.:		
MFR.:									SUR.:1.32*0.034						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	3036	3035	3035	3034	3034	3034	3034	3032	3030	3029	3030	3035	3043	3055	3069				
5	2960	2961	2962	2965	2967	2970	2972	2971	2971	2971	2974	2980	2990	3002	3018				
10	2704	2710	2720	2731	2743	2756	2770	2779	2789	2799	2811	2825	2842	2861	2881				
15	2363	2363	2370	2384	2401	2421	2442	2462	2483	2505	2528	2551	2576	2601	2628				
20	1995	1989	1988	1992	2001	2014	2032	2059	2090	2124	2160	2195	2229	2263	2298				
25	1667	1658	1649	1643	1640	1642	1650	1671	1699	1732	1769	1809	1850	1894	1941				
30	1341	1327	1314	1304	1296	1293	1294	1307	1325	1348	1377	1410	1446	1487	1533				
35	1037	1022	1007	992	979	968	961	963	969	979	995	1015	1039	1068	1101				
40	748	735	720	704	688	674	661	652	646	644	646	652	664	680	700				
45	482	474	464	451	438	425	412	402	393	385	379	376	375	377	380				
50	273	270	266	260	253	246	238	231	223	217	211	207	204	204	204				
55	130	128	127	127	128	128	128	127	126	125	124	124	125	126	128				
60	36.1	37.3	40.0	43.9	48.1	52.2	56.0	58.0	59.5	60.4	61.0	61.4	61.7	61.8	61.6				
65	3.62	4.72	6.94	10.1	13.4	16.4	18.8	18.7	17.8	16.4	14.7	13.0	11.5	9.87	8.15				
70	0.44	0.55	0.94	1.57	2.20	2.75	3.13	2.76	2.22	1.60	0.98	0.56	0.39	0.34	0.41				
75	0.49	0.49	0.48	0.46	0.44	0.43	0.41	0.42	0.44	0.46	0.48	0.48	0.47	0.46	0.44				
80	0.43	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.41	0.40	0.39				
85	0.44	0.42	0.40	0.40	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.40	0.40				
90	0.48	0.44	0.43	0.42	0.43	0.43	3.79	0.44	0.44	0.44	0.44	0.45	0.47	0.50	0.53				
95	38.8	38.8	37.5	34.9	32.0	29.2	26.5	25.5	24.9	24.6	24.5	24.4	24.2	24.1	24.1				
100	146	146	145	144	143	142	141	140	139	138	137	136	134	132	130				
105	314	313	312	311	310	309	309	311	313	315	318	319	320	320	320				
110	522	519	516	512	508	506	504	507	511	515	520	523	525	526	527				
115	738	734	729	724	719	715	713	716	720	725	730	734	736	738	738				
120	945	941	937	932	927	924	921	924	928	932	937	941	943	944	945				
125	1138	1136	1132	1128	1124	1121	1119	1121	1124	1129	1133	1136	1138	1140	1141				
130	1316	1314	1312	1308	1305	1302	1300	1303	1306	1310	1313	1316	1318	1319	1320				
135	1475	1474	1473	1470	1468	1466	1465	1466	1469	1472	1475	1478	1479	1480	1481				
140	1616	1616	1615	1613	1612	1610	1609	1611	1613	1616	1618	1620	1621	1622	1623				
145	1739	1740	1739	1738	1737	1736	1736	1737	1739	1741	1743	1745	1746	1746	1747				
150	1846	1846	1846	1846	1845	1845	1845	1846	1847	1849	1850	1851	1852	1853	1853				
155	1935	1936	1936	1936	1936	1935	1935	1936	1938	1939	1940	1941	1941	1942	1942				
160	2008	2009	2009	2009	2009	2009	2009	2010	2011	2012	2013	2013	2014	2014	2014				
165	2065	2066	2066	2066	2066	2066	2066	2067	2068	2069	2069	2070	2070	2070	2071				
170	2106	2106	2107	2107	2107	2107	2108	2108	2108	2109	2109	2110	2110	2110	2110				
175	2130	2131	2131	2131	2132	2132	2132	2132	2133	2133	2134	2134	2134	2134	2134				
180	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142	2142				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-11-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: