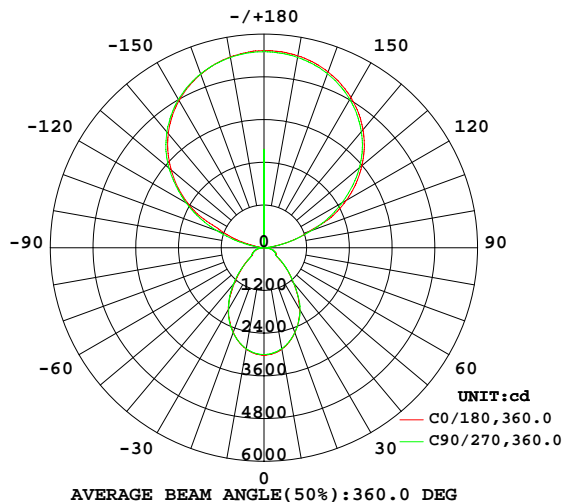


LUMINAIRE PHOTOMETRIC TEST REPORT

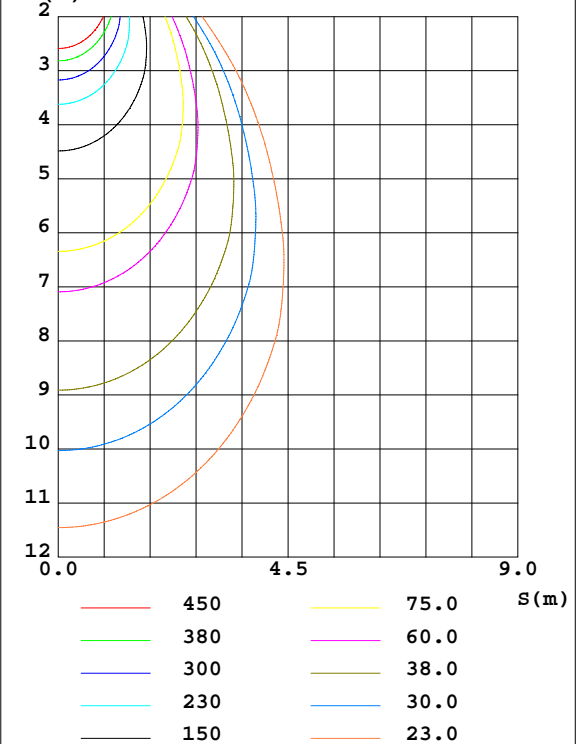
Test:U:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4122127-04	SUR.:1.42*0.191	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.49 lm/W			
MODEL		Imax(cd)	5540	S/MH(C0/180)	1.04
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.05
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	20835	η UP,DN(C0-180)	38.0,12.1
NOMINAL FLUX(lm)	20834.9	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	37.8,12.1
LAMPS INSIDE	1	η up(%)	75.8	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	24.2	CIBSE SHR MAX	1.15

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:2022-05-11

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:

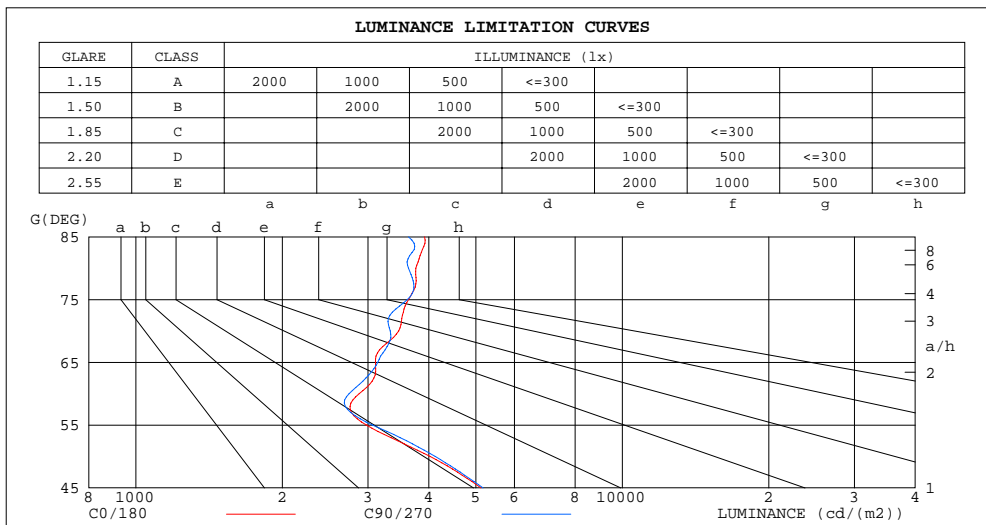
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2893	2883	2879	2869	2889	2881	2881	2875	0- 10	280.8	280.8	1.35,1.35
20	2537	2529	2534	2512	2528	2524	2538	2523	10- 20	765.8	1047	5.02,5.02
30	2010	2008	2031	1990	2011	2000	1993	2008	20- 30	1047	2093	10,10
40	1297	1349	1306	1340	1290	1348	1332	1354	30- 40	1044	3137	15.1,15.1
50	701.8	814.1	719.0	808.3	687.0	826.8	687.3	821.5	40- 50	793.6	3931	18.9,18.9
60	390.2	421.2	372.1	408.1	377.9	406.0	408.1	408.3	50- 60	500.6	4432	21.3,21.3
70	321.8	202.2	309.2	192.9	286.9	194.0	313.6	201.8	60- 70	315.1	4747	22.8,22.8
80	177.3	131.2	171.1	117.4	168.9	134.3	173.5	144.6	70- 80	203.6	4950	23.8,23.8
90	2.655	3.231	3.488	2.606	2.826	3.551	4.527	4.934	80- 90	90.56	5041	24.2,24.2
100	369.7	374.2	407.9	272.8	225.0	244.4	382.4	375.7	90-100	114.5	5155	24.7,24.7
110	1359	1448	1433	1263	1141	1198	1407	1475	100-110	849.0	6004	28.8,28.8
120	2673	2579	2536	2459	2443	2401	2523	2593	110-120	1935	7939	38.1,38.1
130	3589	3541	3502	3437	3403	3402	3486	3545	120-130	2702	10641	51.1,51.1
140	4328	4284	4256	4202	4183	4177	4245	4287	130-140	2998	13638	65.5,65.5
150	4879	4839	4815	4783	4775	4759	4806	4845	140-150	2846	16485	79.1,79.1
160	5258	5221	5207	5188	5191	5171	5198	5228	150-160	2319	18804	90.3,90.3
170	5476	5436	5429	5430	5444	5412	5430	5450	160-170	1509	20312	97.5,97.5
180	5539	5539	5539	5539	5539	5539	5539	5539	170-180	522.7	20835	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:2022-05-11

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:

LUMINANCE LIMITATION CURVES

Test:U:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4122127-04	SUR.:1.42*0.191	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3919	3633
80	3764	3633
75	3635	3615
70	3469	3334
65	3108	3142
60	2877	2744
55	2978	3065
50	4026	4124
45	5122	5172

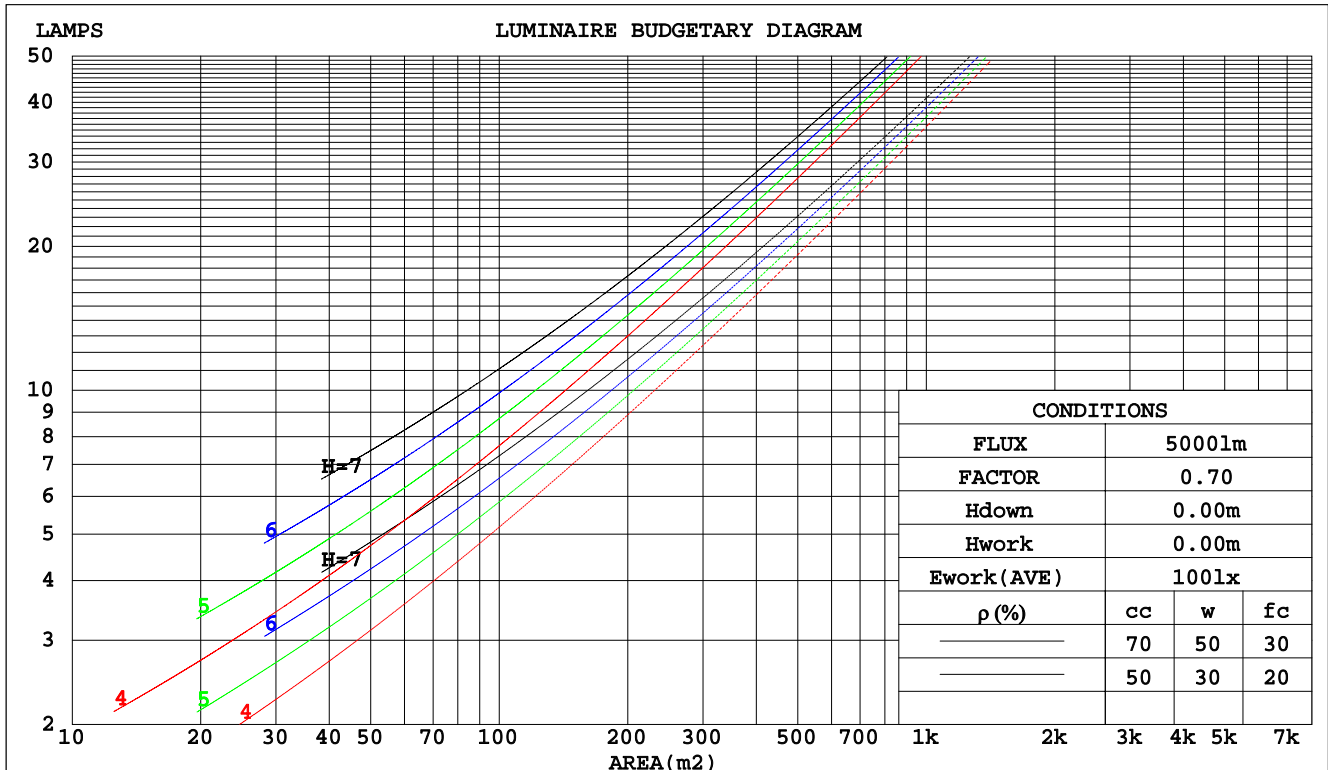
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4122127-04	SUR.:1.42*0.191	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.01	1.01	1.01	.90	.90	.90	.69	.69	.69	.50	.50	.50	.32	.32	.32	.24
1.0	.88	.85	.82	.79	.76	.73	.61	.59	.57	.44	.43	.42	.29	.29	.28	.21
2.0	.78	.72	.67	.69	.65	.61	.54	.51	.48	.39	.38	.36	.26	.25	.24	.18
3.0	.69	.62	.56	.61	.56	.51	.48	.44	.41	.35	.33	.31	.24	.22	.21	.16
4.0	.61	.54	.48	.55	.48	.44	.43	.38	.35	.32	.29	.27	.21	.20	.19	.14
5.0	.54	.47	.41	.49	.43	.38	.38	.34	.31	.29	.26	.23	.20	.18	.17	.13
6.0	.49	.41	.36	.44	.38	.33	.35	.30	.27	.26	.23	.21	.18	.16	.15	.12
7.0	.44	.37	.32	.40	.33	.29	.32	.27	.24	.24	.21	.18	.17	.15	.13	.10
8.0	.40	.33	.28	.36	.30	.26	.29	.24	.21	.22	.19	.17	.15	.13	.12	.10
9.0	.37	.30	.25	.33	.27	.23	.26	.22	.19	.20	.17	.15	.14	.12	.11	.09
10.0	.33	.27	.22	.30	.24	.20	.24	.20	.17	.19	.16	.14	.13	.11	.10	.08



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4122127-04	SUR.:1.42*0.191	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	.259	.147	.047	.229	.131	.041	.173	.099	.032	.122	.070	.023	.074	.043	.014	
2.0	.239	.131	.040	.212	.117	.036	.161	.089	.028	.114	.064	.020	.070	.040	.012	
3.0	.221	.118	.035	.196	.105	.032	.149	.081	.025	.106	.058	.018	.066	.036	.011	
4.0	.205	.107	.031	.182	.095	.028	.139	.074	.022	.099	.053	.016	.062	.034	.010	
5.0	.191	.097	.028	.170	.087	.025	.130	.068	.020	.093	.049	.015	.058	.031	.009	
6.0	.178	.089	.026	.159	.080	.023	.122	.062	.018	.087	.045	.013	.055	.029	.009	
7.0	.167	.082	.023	.149	.074	.021	.114	.058	.017	.082	.042	.012	.052	.027	.008	
8.0	.156	.076	.021	.140	.069	.019	.107	.054	.015	.077	.039	.011	.049	.025	.007	
9.0	.147	.071	.020	.131	.064	.018	.101	.050	.014	.073	.037	.010	.046	.023	.007	
10.0	.139	.067	.018	.124	.060	.017	.096	.047	.013	.069	.034	.010	.044	.022	.006	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.768	.768	.768	.656	.656	.656	.448	.448	.448	.257	.257	.257	.082	.082	.082	
1.0	.759	.739	.721	.650	.634	.620	.444	.436	.429	.256	.252	.249	.082	.081	.081	
2.0	.751	.718	.691	.644	.618	.597	.441	.428	.416	.254	.249	.244	.082	.081	.080	
3.0	.744	.703	.671	.638	.607	.581	.438	.422	.408	.253	.246	.240	.081	.080	.079	
4.0	.738	.692	.657	.633	.598	.571	.435	.417	.402	.252	.244	.238	.081	.079	.078	
5.0	.732	.683	.647	.629	.591	.563	.433	.413	.398	.251	.242	.236	.081	.079	.078	
6.0	.726	.676	.640	.624	.585	.557	.431	.410	.394	.250	.241	.234	.081	.079	.077	
7.0	.721	.670	.635	.620	.581	.553	.428	.407	.392	.249	.240	.233	.080	.079	.077	
8.0	.715	.665	.631	.616	.577	.550	.426	.405	.390	.248	.239	.233	.080	.078	.077	
9.0	.711	.661	.628	.612	.574	.548	.424	.403	.389	.247	.238	.232	.080	.078	.077	
10.0	.706	.658	.625	.609	.571	.546	.422	.402	.388	.246	.238	.231	.080	.078	.077	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 1634*240*31			SERIAL No.:				
MFR.: A4122127-04			SUR.:1.42*0.191			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	10.1	10.8	11.2	11.9	13.4	10.1	10.9	11.2	11.9	13.4
3H	11.0	11.6	12.1	12.7	14.2	11.1	11.8	12.2	12.9	14.4
4H	11.6	12.2	12.7	13.3	14.8	11.7	12.3	12.8	13.4	14.9
6H	12.2	12.7	13.3	13.8	15.4	12.3	12.8	13.4	13.9	15.4
8H	12.4	13.0	13.6	14.1	15.6	12.5	13.0	13.6	14.1	15.7
12H	12.6	13.1	13.8	14.3	15.8	12.6	13.1	13.8	14.3	15.8
4H 2H	10.1	10.7	11.3	11.8	13.4	10.2	10.8	11.3	11.9	13.4
3H	11.1	11.6	12.3	12.7	14.3	11.3	11.8	12.4	12.9	14.4
4H	11.8	12.3	13.0	13.4	15.0	11.9	12.3	13.1	13.5	15.0
6H	12.6	13.0	13.8	14.1	15.7	12.6	13.0	13.8	14.2	15.8
8H	13.0	13.4	14.2	14.5	16.1	12.9	13.3	14.1	14.5	16.1
12H	13.3	13.6	14.5	14.8	16.4	13.2	13.5	14.4	14.7	16.3
8H 4H	11.8	12.1	13.0	13.3	14.9	11.9	12.2	13.0	13.4	15.0
6H	12.8	13.1	14.0	14.2	15.9	12.7	13.0	13.9	14.2	15.8
8H	13.3	13.6	14.5	14.8	16.4	13.2	13.4	14.4	14.6	16.2
12H	13.8	14.0	15.0	15.2	16.8	13.6	13.8	14.8	15.0	16.6
12H 4H	11.7	12.1	12.9	13.2	14.8	11.8	12.1	13.0	13.3	14.9
6H	12.8	13.1	14.0	14.2	15.9	12.8	13.0	14.0	14.2	15.8
8H	13.4	13.6	14.6	14.8	16.5	13.3	13.5	14.5	14.7	16.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.7 / - 0.4					+ 0.6 / - 0.5				

CIE Pub.117, 20835 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 10.6)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4122127-04	SUR.:1.42*0.191	Shielding Angle:

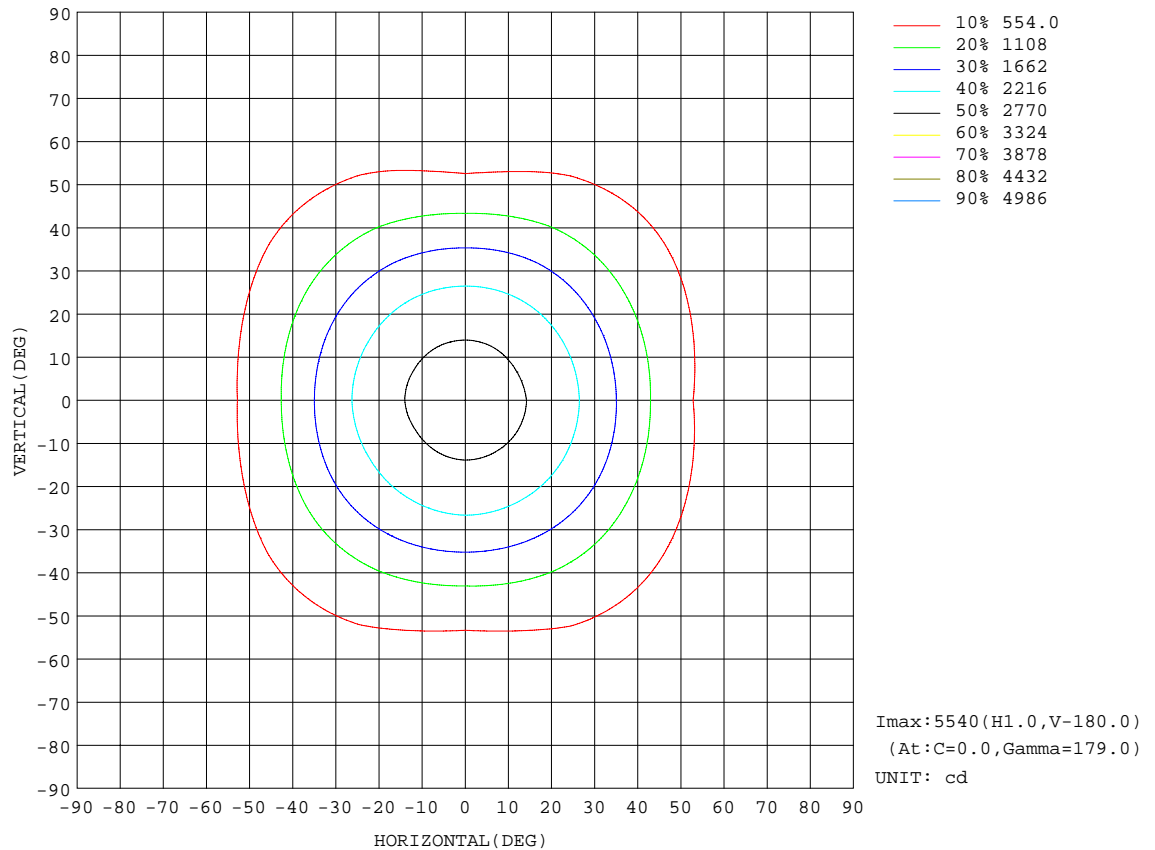
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	39	29	24	36	27	22	30	23	19	11
0.80	49	38	31	44	35	29	36	29	25	13
1.00	56	45	38	50	41	35	40	34	29	15
1.25	62	52	44	56	47	41	45	38	34	17
1.50	67	57	50	60	52	46	48	42	38	18
2.00	74	65	58	66	59	53	52	47	43	19
2.50	79	70	64	70	63	58	55	50	47	20
3.00	82	75	68	73	67	62	57	53	50	21
4.00	86	80	75	77	72	67	60	56	54	21
5.00	89	84	79	79	75	71	61	59	56	22
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4122127-04	SUR.:1.42*0.191	Shielding Angle:

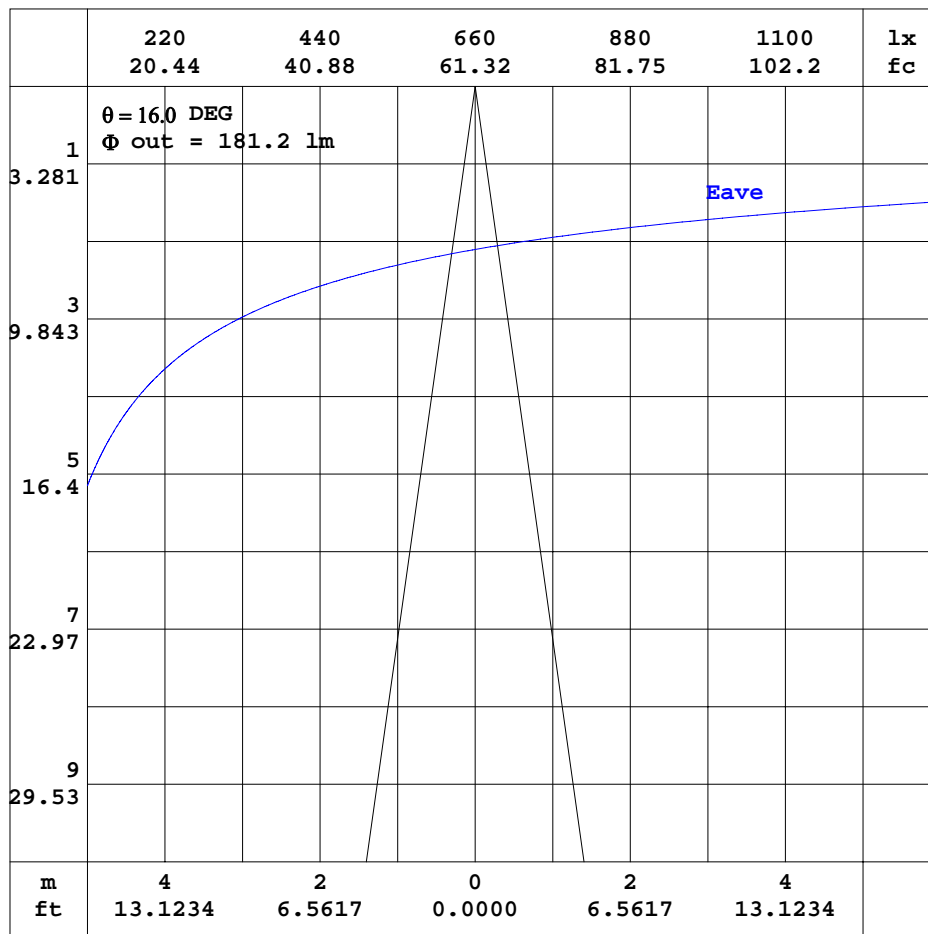


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4122127-04	SUR.:1.42*0.191	Shielding Angle:



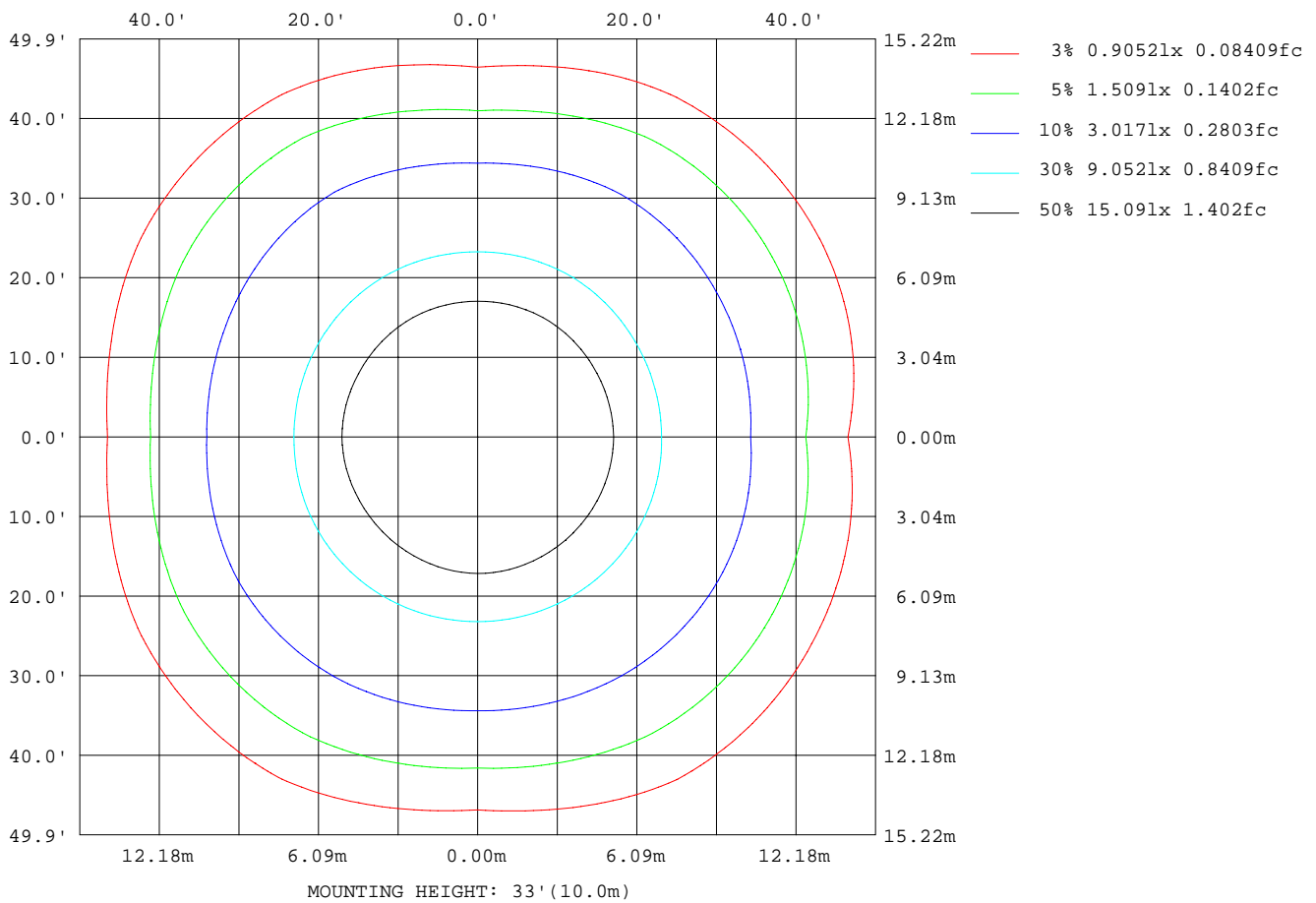
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4122127-04	SUR.:1.42*0.191	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4122127-04	SUR.:1.42*0.191	Shielding Angle:

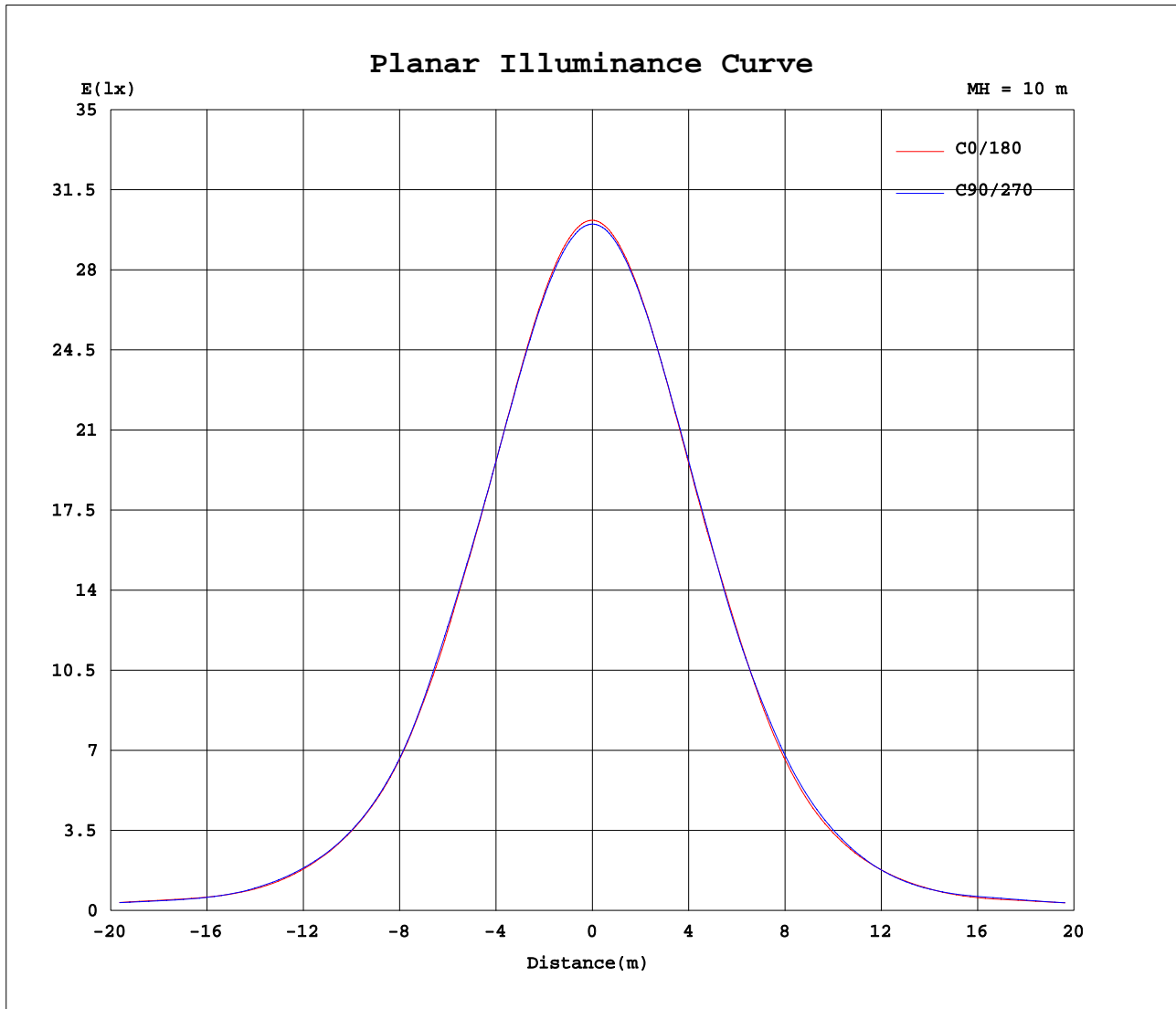
AvgL	cd/m2
L_0~180(65)av	3062
L_0~180(75)av	3578
L_0~180(85)av	3745
L_90~270(65)av	3028
L_90~270(75)av	3596
L_90~270(85)av	3518
L_45(65)av	2609
L_45(75)av	2243
L_45(85)av	3885

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-05-11

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: 2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1634*240*31						SERIAL No.:		
MFR.: A4122127-04									SUR.:1.42*0.191						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	3017	3016	3015	3013	3012	3011	3010	3009	3008	3007	3006	3005	3004	3003	3003	3002	3002	3001	3001
5	2985	2984	2983	2982	2980	2979	2978	2977	2975	2974	2973	2972	2971	2970	2970	2970	2969	2969	2968
10	2893	2892	2891	2890	2888	2887	2886	2885	2884	2883	2882	2881	2880	2880	2880	2880	2880	2880	2879
15	2741	2740	2739	2738	2737	2736	2735	2734	2733	2732	2731	2731	2730	2730	2731	2731	2732	2732	2732
20	2537	2536	2535	2534	2533	2532	2531	2530	2530	2529	2529	2529	2529	2530	2531	2532	2533	2534	2534
25	2294	2292	2291	2289	2288	2288	2287	2287	2287	2287	2287	2288	2288	2291	2294	2296	2299	2300	2301
30	2010	2011	2012	2012	2013	2013	2013	2011	2009	2008	2006	2006	2006	2010	2015	2020	2025	2029	2031
35	1664	1670	1674	1678	1682	1684	1686	1688	1688	1689	1688	1688	1687	1686	1684	1683	1682	1681	1680
40	1297	1305	1313	1320	1327	1332	1337	1342	1346	1349	1350	1351	1350	1343	1335	1326	1318	1311	1306
45	982	995	1006	1015	1024	1030	1036	1039	1041	1042	1041	1039	1036	1028	1019	1011	1003	997	992
50	702	728	750	769	785	798	808	813	815	814	811	805	797	783	768	752	739	727	719
55	463	490	514	536	554	569	582	592	600	604	605	603	596	576	553	530	509	490	477
60	390	393	396	399	402	405	408	413	417	421	424	426	426	417	408	398	388	379	372
65	356	345	335	327	320	315	312	311	311	313	315	319	324	331	339	347	353	358	360
70	322	294	270	249	232	218	208	203	201	202	206	213	222	238	256	273	288	301	309
75	255	237	221	207	194	183	174	164	156	151	148	148	151	168	187	207	226	242	254
80	177	171	166	160	155	151	146	141	135	131	128	126	126	133	141	150	158	165	171
85	92.6	94.1	95.3	96.1	96.7	97.0	96.9	96.2	95.2	94.1	92.9	91.6	90.2	89.3	88.5	87.7	87.0	86.4	85.9
90	2.65	2.57	2.52	2.51	2.52	2.57	2.65	2.83	3.02	3.23	3.43	3.62	3.78	3.79	3.77	3.72	3.66	3.57	3.49
95	91.9	92.7	93.3	93.7	93.9	93.9	93.7	92.8	91.8	90.7	89.7	88.8	88.2	89.9	91.7	93.3	94.5	94.9	94.5
100	370	379	387	392	396	397	397	390	382	374	366	359	355	363	374	385	395	403	408
105	872	862	854	847	842	840	839	842	847	853	859	866	872	877	882	885	887	887	885
110	1359	1388	1412	1433	1449	1460	1467	1464	1457	1448	1438	1427	1418	1419	1422	1425	1428	1431	1433
115	2136	2135	2132	2126	2118	2108	2095	2074	2051	2028	2007	1987	1972	1974	1980	1988	1997	2005	2012
120	2673	2672	2669	2663	2656	2647	2636	2618	2599	2579	2560	2543	2528	2526	2527	2528	2531	2534	2536
125	3156	3154	3150	3145	3139	3132	3124	3113	3101	3089	3077	3066	3056	3050	3045	3041	3037	3034	3031
130	3589	3587	3584	3581	3577	3572	3566	3558	3550	3541	3532	3524	3516	3513	3511	3509	3507	3505	3502
135	3987	3982	3977	3972	3966	3961	3956	3949	3943	3937	3931	3926	3921	3918	3915	3913	3911	3908	3904
140	4328	4323	4317	4312	4307	4302	4297	4293	4288	4284	4280	4276	4272	4270	4267	4265	4262	4259	4256
145	4625	4619	4613	4608	4602	4598	4594	4590	4587	4585	4582	4580	4577	4574	4572	4569	4565	4562	4558
150	4879	4872	4866	4860	4855	4850	4846	4843	4841	4839	4837	4835	4833	4831	4828	4825	4822	4818	4815
155	5089	5082	5076	5070	5065	5060	5056	5054	5053	5052	5051	5050	5049	5046	5043	5040	5036	5033	5030
160	5258	5250	5243	5237	5232	5227	5224	5222	5221	5221	5221	5221	5221	5219	5217	5215	5213	5210	5207
165	5390	5381	5372	5365	5359	5354	5350	5348	5347	5346	5346	5347	5347	5346	5345	5344	5343	5342	5340
170	5476	5467	5460	5453	5448	5443	5439	5437	5436	5436	5436	5436	5436	5434	5433	5432	5431	5430	5429
175	5527	5519	5512	5505	5500	5496	5492	5491	5490	5490	5490	5490	5491	5490	5490	5489	5489	5488	5488
180	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1634*240*31					SERIAL No.:				
MFR.: A4122127-04									SUR.:1.42*0.191					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	3000	3000	2999	2999	2998	2998	2997	2996	2995	2995	2995	2996	2999	3003	3007	3011	3014	3017	3017
5	2967	2967	2966	2965	2964	2963	2962	2962	2961	2961	2961	2962	2965	2969	2973	2977	2980	2983	2983
10	2878	2877	2876	2874	2873	2872	2871	2870	2869	2869	2869	2869	2872	2876	2879	2883	2886	2889	2889
15	2731	2729	2728	2726	2724	2722	2720	2718	2717	2716	2715	2715	2718	2721	2725	2729	2732	2735	2734
20	2532	2530	2527	2524	2521	2518	2516	2513	2512	2510	2509	2509	2512	2515	2518	2522	2525	2528	2527
25	2298	2294	2290	2285	2280	2275	2271	2267	2264	2261	2259	2258	2261	2264	2268	2272	2276	2280	2280
30	2026	2020	2014	2006	1999	1993	1991	1990	1990	1990	1991	1993	1996	2000	2003	2006	2009	2011	2010
35	1681	1682	1684	1685	1686	1688	1688	1689	1689	1689	1688	1686	1681	1676	1671	1667	1663	1659	1661
40	1310	1315	1322	1329	1336	1342	1343	1342	1340	1337	1333	1328	1320	1312	1305	1298	1293	1290	1298
45	997	1004	1012	1020	1029	1036	1039	1041	1041	1039	1036	1031	1018	1005	991	979	968	960	965
50	728	740	755	770	786	800	805	808	808	806	801	794	775	754	734	715	699	687	696
55	489	507	527	549	571	590	595	597	596	591	583	573	552	530	508	489	472	461	473
60	377	383	391	399	407	414	413	411	408	404	400	395	391	387	384	381	379	378	380
65	352	342	331	319	308	298	296	296	297	300	304	309	316	324	331	338	343	346	339
70	298	283	265	245	226	208	201	195	193	193	196	201	215	231	248	263	277	287	281
75	244	230	213	195	176	159	150	145	142	141	144	149	165	184	202	220	235	247	239
80	167	161	153	145	137	129	124	120	117	116	116	118	126	135	144	154	162	169	167
85	85.7	85.6	85.6	85.5	85.4	85.3	84.6	83.9	83.2	82.5	81.9	81.5	81.7	82.1	82.6	83.2	83.8	84.4	84.4
90	3.46	3.43	3.40	3.35	3.29	3.20	3.01	2.81	2.61	2.42	2.26	2.13	2.19	2.29	2.41	2.55	2.69	2.83	2.83
95	89.6	83.8	77.4	70.7	63.9	57.4	53.4	49.9	46.9	44.3	42.0	40.2	38.5	37.2	36.1	35.3	34.7	34.3	34.0
100	398	384	368	350	332	313	299	285	273	261	251	243	237	232	229	227	225	225	224
105	881	874	866	855	841	826	801	774	747	721	696	673	663	655	651	648	648	649	649
110	1433	1431	1426	1418	1405	1387	1348	1306	1263	1220	1180	1144	1134	1128	1128	1130	1135	1141	1135
115	2004	1994	1982	1968	1954	1940	1932	1924	1917	1908	1899	1888	1866	1843	1822	1802	1786	1775	1788
120	2529	2522	2513	2504	2494	2484	2475	2467	2459	2452	2446	2441	2440	2440	2440	2441	2442	2443	2443
125	3028	3024	3020	3015	3010	3005	2996	2986	2977	2968	2960	2952	2951	2950	2950	2951	2952	2954	2953
130	3496	3489	3482	3475	3467	3459	3451	3444	3437	3430	3424	3418	3414	3410	3407	3405	3404	3403	3403
135	3898	3891	3884	3876	3869	3861	3855	3849	3843	3837	3833	3828	3825	3822	3820	3819	3818	3817	3817
140	4250	4243	4237	4230	4224	4217	4212	4207	4202	4198	4194	4191	4189	4187	4186	4185	4184	4183	4182
145	4553	4548	4542	4537	4532	4527	4523	4519	4516	4513	4510	4508	4506	4506	4505	4504	4504	4503	4501
150	4812	4808	4804	4801	4797	4794	4790	4786	4783	4780	4777	4775	4774	4774	4775	4775	4775	4775	4771
155	5028	5026	5024	5022	5020	5018	5015	5011	5008	5005	5002	5000	5001	5001	5002	5003	5003	5003	5000
160	5205	5202	5200	5198	5195	5193	5191	5189	5188	5186	5185	5185	5186	5187	5188	5190	5190	5191	5187
165	5339	5337	5335	5334	5332	5331	5330	5329	5328	5328	5328	5328	5330	5333	5335	5337	5339	5339	5335
170	5428	5428	5428	5428	5428	5429	5429	5429	5430	5431	5432	5433	5435	5438	5441	5443	5444	5444	5440
175	5488	5489	5489	5490	5490	5491	5492	5493	5495	5496	5497	5499	5501	5504	5506	5508	5509	5509	5505
180	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1634*240*31					SERIAL No.:				
MFR.: A4122127-04									SUR.:1.42*0.191					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	3016	3015	3014	3012	3010	3009	3008	3007	3006	3005	3004	3003	3003	3002	3002	3001	3001	3000	3000
5	2983	2982	2980	2979	2977	2977	2976	2975	2975	2974	2974	2973	2973	2972	2972	2971	2971	2971	2970
10	2888	2886	2885	2883	2881	2881	2881	2881	2881	2881	2881	2881	2881	2881	2881	2881	2881	2880	2880
15	2733	2732	2730	2729	2727	2728	2728	2729	2730	2731	2732	2732	2733	2733	2733	2734	2734	2734	2733
20	2526	2524	2523	2521	2520	2521	2522	2524	2525	2527	2529	2531	2533	2535	2536	2537	2538	2537	2536
25	2279	2279	2278	2277	2276	2276	2278	2279	2281	2282	2284	2287	2289	2292	2294	2296	2297	2296	2295
30	2008	2006	2004	2002	2000	1999	1999	2000	2000	2000	2000	1999	1997	1995	1994	1993	1993	1996	2000
35	1663	1666	1669	1673	1677	1681	1684	1687	1690	1692	1693	1692	1690	1688	1686	1684	1682	1685	1687
40	1307	1318	1329	1340	1349	1351	1350	1348	1346	1343	1339	1337	1335	1333	1332	1332	1332	1337	1341
45	973	983	995	1008	1021	1033	1044	1054	1062	1067	1069	1059	1046	1032	1019	1007	997	1005	1016
50	709	725	744	764	784	800	815	827	835	839	839	815	787	759	731	706	687	700	718
55	489	509	531	554	575	588	598	605	608	607	602	578	552	525	500	478	461	475	494
60	383	387	391	395	399	402	404	406	408	409	410	410	410	410	409	409	408	407	406
65	331	321	311	301	291	287	285	284	284	286	289	296	305	313	321	329	334	331	326
70	272	260	247	233	219	209	200	194	190	190	193	213	235	258	280	299	314	303	287
75	227	212	196	181	166	163	162	163	166	171	178	192	206	220	232	243	251	244	234
80	164	159	153	147	142	138	136	134	133	134	135	141	149	156	163	169	174	170	166
85	84.5	84.5	84.6	84.9	85.3	87.0	88.9	90.6	92.2	93.4	94.1	92.0	89.4	86.8	84.2	82.0	80.5	82.5	85.1
90	2.82	2.81	2.81	2.83	2.88	3.08	3.31	3.55	3.80	4.03	4.25	4.33	4.38	4.41	4.45	4.48	4.53	4.73	4.93
95	33.8	33.9	34.2	34.8	35.7	36.5	37.7	39.3	41.4	44.0	47.2	52.9	59.0	65.3	71.4	77.1	82.1	83.5	84.2
100	224	225	226	228	231	235	239	244	251	260	271	290	310	330	350	367	382	384	382
105	649	651	654	659	665	674	685	697	710	725	742	762	783	804	825	845	863	876	887
110	1131	1127	1126	1127	1133	1151	1173	1198	1225	1252	1280	1304	1327	1349	1370	1389	1407	1422	1435
115	1805	1824	1844	1864	1881	1874	1865	1854	1845	1838	1835	1856	1882	1910	1939	1968	1994	2003	2009
120	2443	2443	2441	2439	2436	2424	2412	2401	2392	2386	2384	2402	2424	2448	2474	2499	2523	2531	2537
125	2952	2951	2950	2949	2946	2940	2935	2929	2926	2923	2924	2934	2947	2961	2976	2992	3008	3019	3029
130	3404	3404	3405	3406	3407	3405	3403	3402	3401	3402	3405	3417	3430	3444	3458	3473	3486	3493	3499
135	3817	3817	3818	3819	3820	3818	3817	3817	3817	3819	3822	3833	3846	3859	3873	3886	3898	3902	3905
140	4180	4179	4178	4177	4176	4176	4176	4177	4179	4182	4186	4194	4204	4215	4225	4235	4245	4249	4253
145	4498	4496	4494	4492	4491	4491	4491	4493	4495	4498	4502	4509	4516	4524	4531	4539	4546	4551	4555
150	4768	4764	4761	4758	4756	4756	4757	4759	4762	4765	4769	4775	4781	4787	4794	4800	4806	4810	4814
155	4996	4992	4987	4984	4981	4981	4982	4984	4987	4990	4994	4999	5004	5009	5015	5020	5025	5029	5032
160	5183	5179	5175	5171	5168	5168	5169	5171	5174	5176	5180	5182	5185	5188	5191	5194	5198	5201	5204
165	5330	5325	5319	5314	5310	5310	5310	5312	5314	5316	5319	5321	5323	5326	5329	5331	5334	5336	5339
170	5435	5430	5425	5419	5415	5413	5412	5412	5413	5414	5415	5417	5419	5422	5424	5427	5430	5431	5433
175	5500	5495	5489	5484	5479	5478	5477	5477	5477	5478	5479	5481	5483	5485	5487	5489	5491	5492	5493
180	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-05-11

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:229.75V I:0.6632A P:150.45W PF:0.9873 Freq:49.99Hz Lamp Flux:20834.9x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1634*240*31						SERIAL No.:		
MFR.: A4122127-04									SUR.:1.42*0.191						Shielding Angle:		

Table--4

UNIT: cd

C(°) \ γ (°)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2999	2999	2998	2998	2997	2996	2995	2995	2995	2996	2998	3001	3004	3008	3012				
5	2970	2969	2969	2969	2967	2966	2966	2965	2965	2966	2967	2970	2973	2976	2981				
10	2880	2879	2879	2878	2877	2876	2875	2874	2873	2874	2875	2877	2880	2884	2888				
15	2733	2732	2731	2730	2728	2726	2725	2723	2722	2722	2723	2725	2728	2732	2736				
20	2535	2533	2532	2530	2527	2525	2523	2521	2520	2519	2520	2522	2525	2528	2532				
25	2293	2291	2289	2286	2285	2283	2281	2280	2280	2280	2281	2282	2284	2287	2290				
30	2003	2007	2011	2013	2012	2011	2008	2006	2004	2002	2002	2002	2003	2005	2007				
35	1690	1692	1694	1695	1691	1686	1680	1675	1669	1665	1663	1661	1661	1661	1662				
40	1347	1351	1356	1359	1359	1357	1354	1350	1345	1340	1334	1328	1321	1314	1305				
45	1028	1040	1052	1063	1061	1058	1052	1045	1037	1028	1021	1014	1006	999	991				
50	740	765	789	811	818	822	821	818	812	803	793	780	764	746	725				
55	516	541	566	590	600	607	610	609	605	596	584	568	547	523	495				
60	405	404	404	403	405	407	408	410	411	411	410	407	404	400	396				
65	321	315	308	303	302	301	302	304	307	311	316	322	329	337	346				
70	269	248	228	210	204	201	202	205	211	220	230	243	259	277	298				
75	222	209	196	184	179	176	175	175	178	183	190	199	210	223	238				
80	161	155	149	144	143	144	145	147	149	152	155	159	163	167	172				
85	88.2	91.5	94.7	97.7	98.7	99.2	99.4	99.3	98.9	98.3	97.8	97.1	96.3	95.2	94.0				
90	5.12	5.30	5.43	5.51	5.37	5.17	4.93	4.66	4.37	4.06	3.83	3.59	3.35	3.12	2.89				
95	84.4	84.1	83.6	83.1	84.0	85.0	86.1	87.2	88.3	89.3	90.0	90.6	91.1	91.4	91.7				
100	378	373	368	363	367	371	376	380	385	388	387	387	384	381	376				
105	895	900	903	904	895	884	872	860	849	839	838	839	843	850	860				
110	1447	1456	1464	1469	1473	1475	1475	1472	1467	1459	1449	1436	1420	1402	1382				
115	2012	2015	2017	2020	2031	2043	2056	2069	2082	2094	2104	2112	2119	2126	2131				
120	2541	2545	2548	2552	2565	2579	2593	2608	2622	2635	2645	2653	2660	2666	2670				
125	3039	3049	3058	3067	3078	3088	3099	3109	3118	3127	3134	3140	3145	3150	3154				
130	3503	3508	3512	3517	3526	3536	3545	3555	3564	3572	3577	3582	3585	3587	3589				
135	3908	3910	3912	3915	3923	3931	3940	3949	3957	3966	3971	3976	3980	3983	3985				
140	4256	4259	4262	4266	4273	4280	4287	4295	4302	4309	4314	4318	4321	4324	4327				
145	4558	4562	4566	4570	4576	4582	4588	4595	4601	4607	4611	4615	4618	4621	4624				
150	4818	4821	4825	4829	4834	4839	4845	4850	4855	4860	4864	4868	4871	4874	4877				
155	5035	5038	5041	5045	5049	5053	5057	5061	5065	5070	5073	5077	5080	5083	5086				
160	5208	5211	5214	5218	5221	5225	5228	5231	5235	5238	5242	5245	5248	5252	5255				
165	5341	5344	5346	5349	5352	5356	5359	5363	5366	5370	5373	5377	5380	5383	5387				
170	5435	5437	5439	5441	5444	5447	5450	5453	5456	5459	5462	5465	5468	5470	5473				
175	5494	5495	5496	5497	5499	5501	5503	5506	5509	5511	5514	5516	5519	5522	5524				
180	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539	5539				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-11

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: