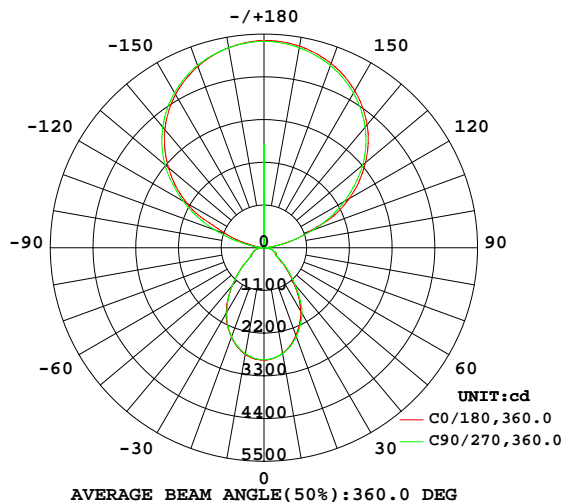


LUMINAIRE PHOTOMETRIC TEST REPORT

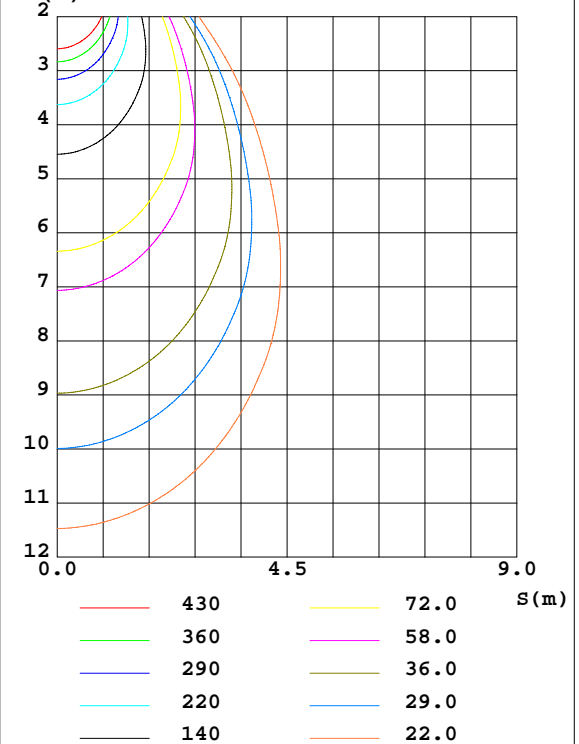
Test:U:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4762092-02	SUR.:1.42*0.191	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.75 lm/W			
MODEL		Imax(cd)	5336	S/MH(C0/180)	1.03
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.05
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	19820	η UP,DN(C0-180)	37.9,12.1
NOMINAL FLUX(lm)	19819.8	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	37.9,12.1
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:2022-04-29

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

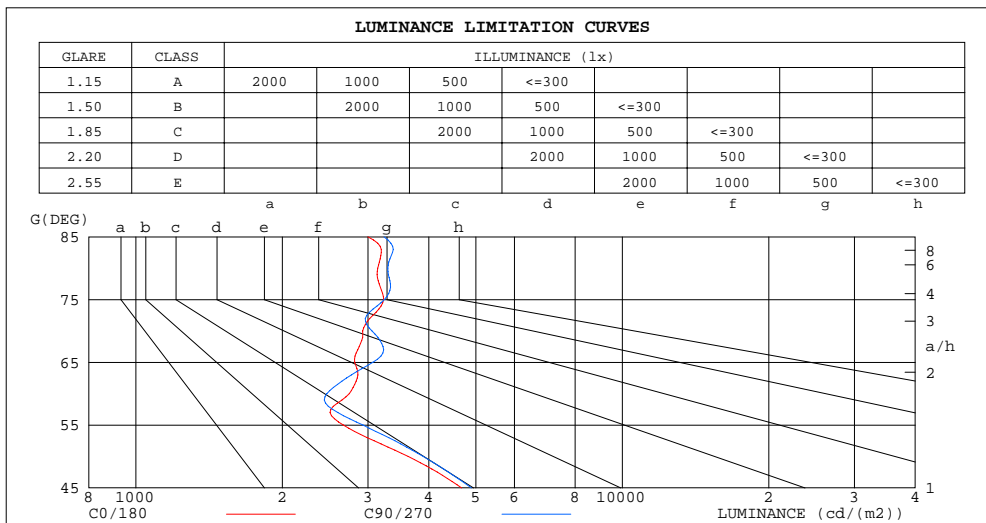
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2760	2759	2767	2767	2787	2778	2769	2754	0- 10	269.7	269.7	1.36,1.36
20	2405	2407	2434	2434	2451	2442	2441	2406	10- 20	735.5	1005	5.07,5.07
30	1892	1896	1958	1942	1950	1949	1911	1896	20- 30	1005	2010	10.1,10.1
40	1196	1259	1245	1312	1267	1307	1277	1274	30- 40	999.9	3010	15.2,15.2
50	632.5	750.4	679.2	794.3	665.9	790.0	662.4	745.8	40- 50	755.9	3766	19,19
60	372.2	370.1	334.9	400.8	365.8	392.6	391.7	367.0	50- 60	469.1	4235	21.4,21.4
70	271.5	173.9	283.6	188.5	280.9	193.9	288.3	173.8	60- 70	293.8	4529	22.9,22.9
80	148.0	110.1	155.2	121.5	170.8	132.8	164.4	117.9	70- 80	186.4	4715	23.8,23.8
90	2.208	2.421	4.596	5.452	5.137	8.690	5.283	3.098	80- 90	81.93	4797	24.2,24.2
100	333.0	339.5	369.1	231.8	197.5	225.7	370.1	343.9	90-100	101.0	4898	24.7,24.7
110	1270	1373	1343	1153	1050	1140	1347	1381	100-110	789.9	5688	28.7,28.7
120	2530	2448	2390	2297	2287	2287	2400	2464	110-120	1823	7511	37.9,37.9
130	3408	3370	3318	3243	3210	3235	3326	3382	120-130	2561	10071	50.8,50.8
140	4132	4091	4049	3992	3973	3984	4056	4101	130-140	2852	12924	65.2,65.2
150	4673	4639	4606	4564	4558	4559	4606	4648	140-150	2719	15642	78.9,78.9
160	5051	5018	4998	4974	4972	4964	5001	5027	150-160	2223	17866	90.1,90.1
170	5273	5239	5231	5221	5231	5212	5235	5249	160-170	1450	19316	97.5,97.5
180	5335	5335	5335	5335	5335	5335	5335	5335	170-180	503.7	19820	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:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4762092-02	SUR.:1.42*0.191	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2998	3236
80	3142	3295
75	3231	3242
70	2926	3058
65	2818	3070
60	2745	2469
55	2671	2930
50	3628	3896
45	4675	4895

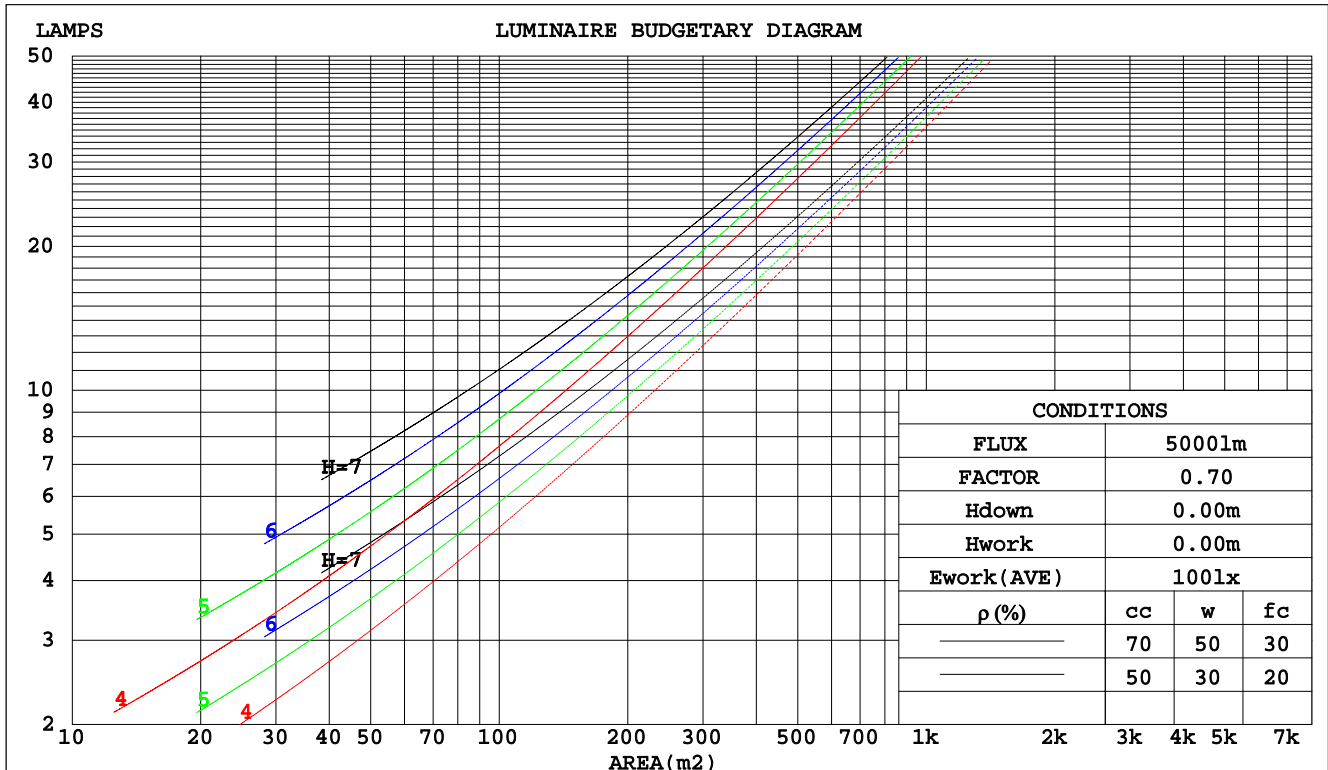
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4762092-02	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	.40	.38	.36	.26	.25	.24	.18
3.0	.69	.62	.57	.61	.56	.51	.48	.44	.41	.35	.33	.31	.24	.22	.21	.16
4.0	.61	.54	.48	.55	.49	.44	.43	.39	.35	.32	.29	.27	.22	.20	.19	.14
5.0	.54	.47	.41	.49	.43	.38	.38	.34	.31	.29	.26	.24	.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	.19	.17	.15	.13	.11
8.0	.40	.33	.28	.36	.30	.26	.29	.24	.21	.22	.19	.17	.15	.14	.12	.10
9.0	.37	.30	.25	.33	.27	.23	.26	.22	.19	.20	.17	.15	.14	.12	.11	.09
10.0	.34	.27	.22	.30	.25	.21	.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:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1634*240*31			SERIAL No.:		
MFR.: A4762092-02			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	.258	.147	.046	.228	.130	.041	.172	.099	.032	.121	.070	.022	.074	.043	.014	
2.0	.238	.131	.040	.211	.116	.036	.160	.089	.028	.113	.064	.020	.070	.039	.012	
3.0	.221	.117	.035	.196	.105	.032	.149	.081	.025	.106	.058	.018	.065	.036	.011	
4.0	.205	.106	.031	.182	.095	.028	.139	.074	.022	.099	.053	.016	.061	.033	.010	
5.0	.191	.097	.028	.170	.087	.025	.130	.067	.020	.092	.049	.015	.058	.031	.009	
6.0	.178	.089	.026	.158	.080	.023	.121	.062	.018	.087	.045	.013	.054	.029	.009	
7.0	.167	.082	.023	.148	.074	.021	.114	.058	.017	.082	.042	.012	.051	.027	.008	
8.0	.156	.076	.021	.139	.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	.649	.634	.620	.444	.436	.429	.256	.252	.249	.082	.081	.081	
2.0	.751	.718	.691	.643	.618	.597	.441	.428	.416	.254	.249	.244	.082	.081	.080	
3.0	.744	.703	.671	.638	.607	.581	.438	.421	.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	.628	.591	.563	.433	.413	.398	.251	.242	.236	.081	.079	.078	
6.0	.726	.676	.640	.624	.585	.557	.430	.410	.394	.250	.241	.234	.081	.079	.077	
7.0	.720	.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	.710	.661	.628	.612	.574	.548	.424	.403	.389	.247	.238	.232	.080	.078	.077	
10.0	.706	.658	.625	.608	.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:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 1634*240*31			SERIAL No.:				
MFR.: A4762092-02			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	9.7	10.4	10.8	11.5	13.0	9.7	10.4	10.8	11.5	13.0
3H	10.5	11.1	11.6	12.2	13.7	10.7	11.4	11.8	12.4	13.9
4H	11.0	11.6	12.1	12.7	14.2	11.2	11.8	12.3	12.9	14.4
6H	11.5	12.1	12.7	13.2	14.7	11.7	12.3	12.9	13.4	14.9
8H	11.8	12.3	12.9	13.4	14.9	12.0	12.5	13.1	13.6	15.1
12H	11.9	12.4	13.0	13.5	15.1	12.1	12.6	13.3	13.7	15.3
4H 2H	9.7	10.3	10.8	11.4	12.9	9.7	10.3	10.8	11.4	12.9
3H	10.5	11.0	11.7	12.1	13.7	10.8	11.3	11.9	12.4	13.9
4H	11.2	11.6	12.4	12.8	14.3	11.3	11.8	12.5	12.9	14.5
6H	11.9	12.3	13.1	13.4	15.0	12.0	12.4	13.2	13.6	15.1
8H	12.2	12.6	13.4	13.7	15.3	12.4	12.7	13.5	13.9	15.5
12H	12.5	12.8	13.6	13.9	15.6	12.6	12.9	13.8	14.1	15.7
8H 4H	11.1	11.5	12.3	12.6	14.2	11.3	11.6	12.4	12.8	14.4
6H	12.0	12.3	13.2	13.5	15.1	12.1	12.4	13.3	13.5	15.2
8H	12.5	12.8	13.7	13.9	15.6	12.5	12.8	13.7	14.0	15.6
12H	12.9	13.1	14.1	14.3	15.9	12.9	13.1	14.1	14.3	16.0
12H 4H	11.1	11.4	12.3	12.6	14.2	11.2	11.5	12.4	12.7	14.3
6H	12.1	12.3	13.2	13.5	15.1	12.1	12.3	13.3	13.5	15.2
8H	12.6	12.8	13.8	14.0	15.6	12.6	12.8	13.8	14.0	15.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.4				
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 0.7 / - 0.4					+ 0.8 / - 0.5				

CIE Pub.117, 19820 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 10.4)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4762092-02	SUR.:1.42*0.191	Shielding Angle:

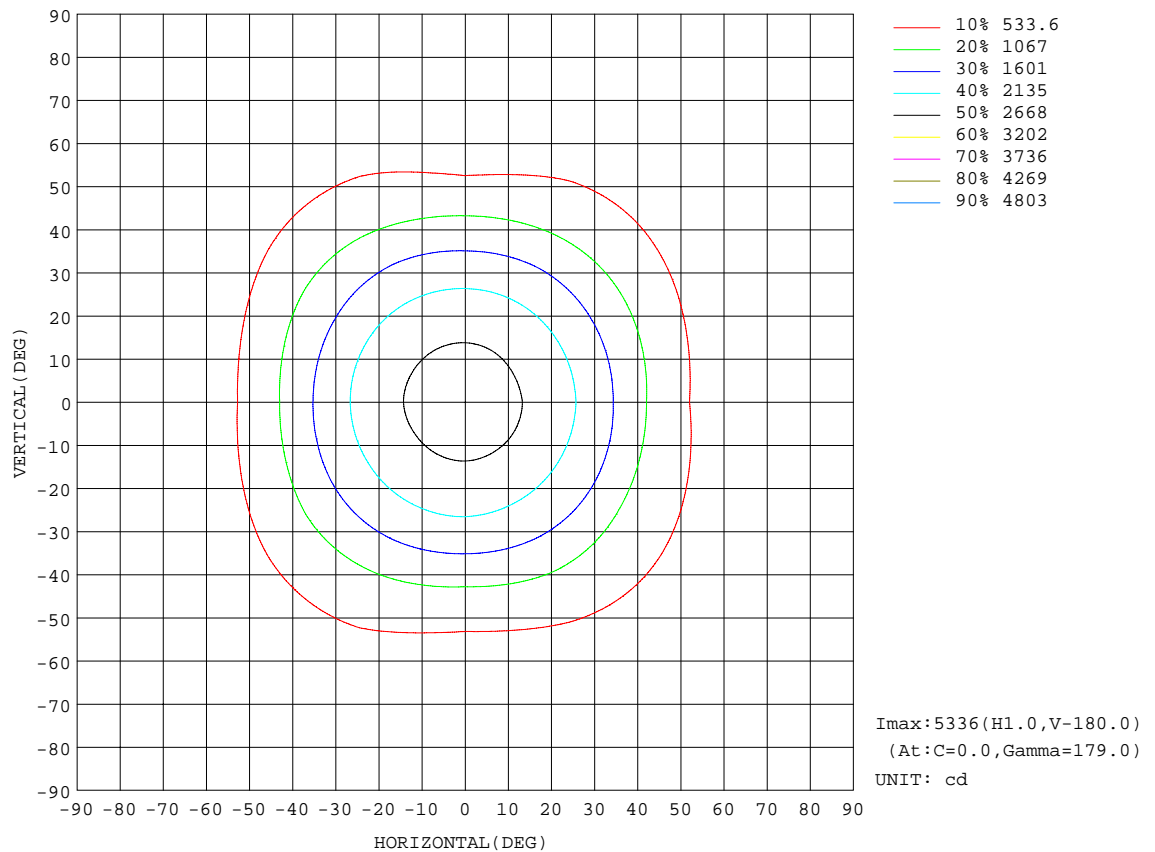
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	40	29	24	36	27	22	30	23	20	11
0.80	49	38	31	44	35	29	36	29	25	14
1.00	56	45	38	50	41	35	41	34	30	15
1.25	62	52	45	56	47	41	45	39	34	17
1.50	67	57	50	61	52	46	48	42	38	18
2.00	74	65	58	67	59	53	52	47	43	19
2.50	79	70	64	70	63	58	55	50	47	20
3.00	82	75	69	73	67	62	57	53	50	21
4.00	86	80	75	77	72	68	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:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4762092-02	SUR.:1.42*0.191	Shielding Angle:

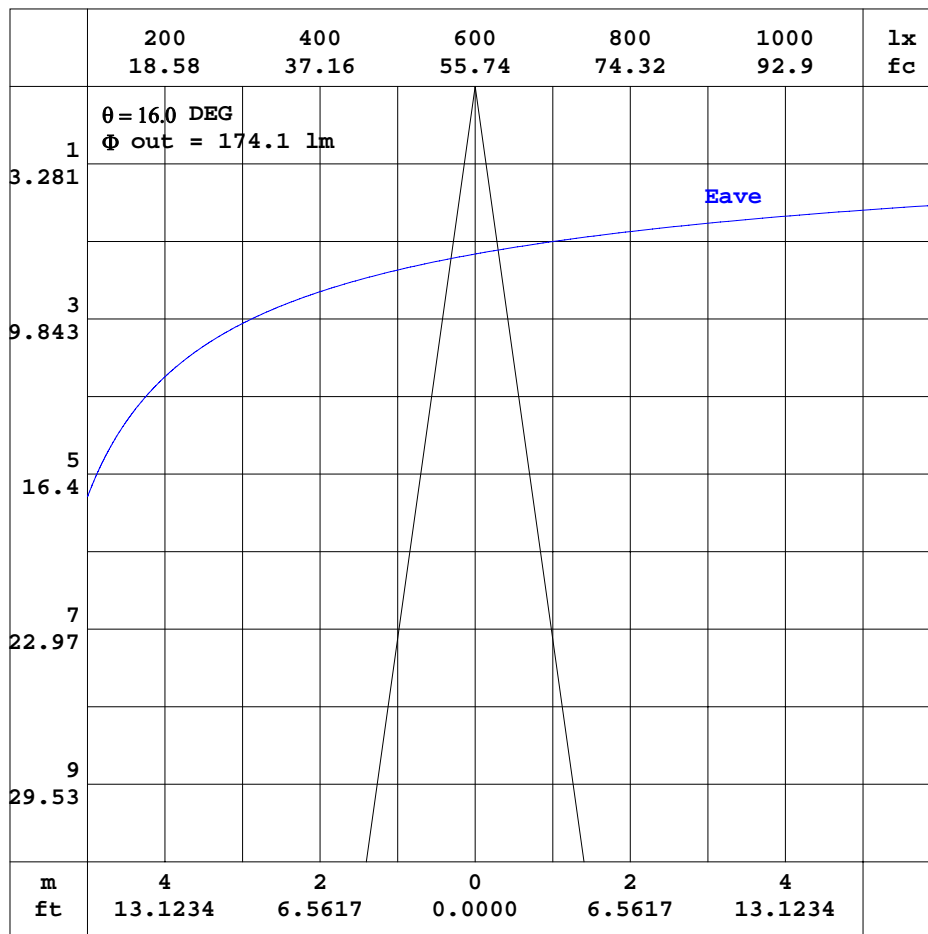


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-29

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 CURVES

Test:U:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4762092-02	SUR.:1.42*0.191	Shielding Angle:



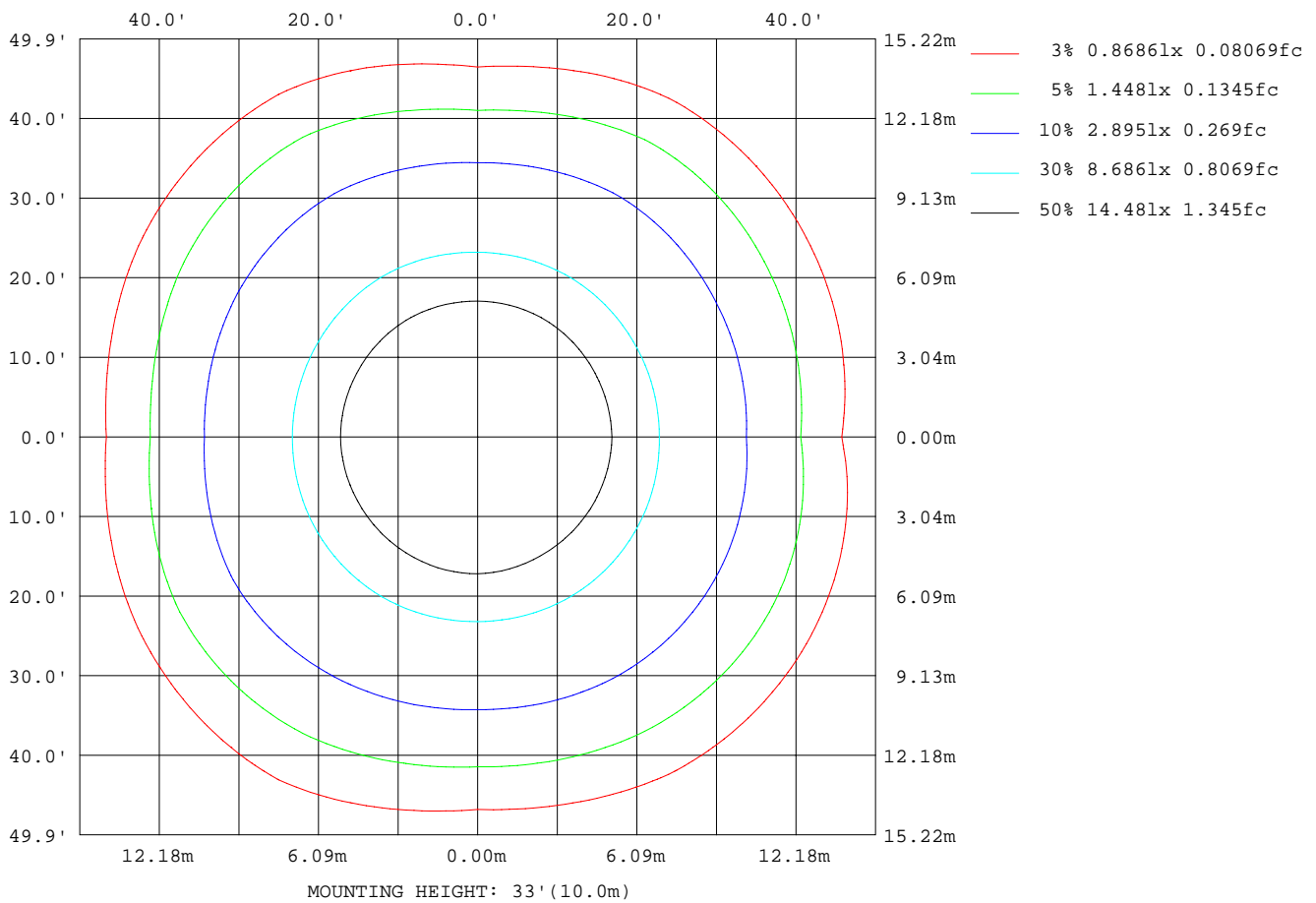
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4762092-02	SUR.:1.42*0.191	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4762092-02	SUR.:1.42*0.191	Shielding Angle:

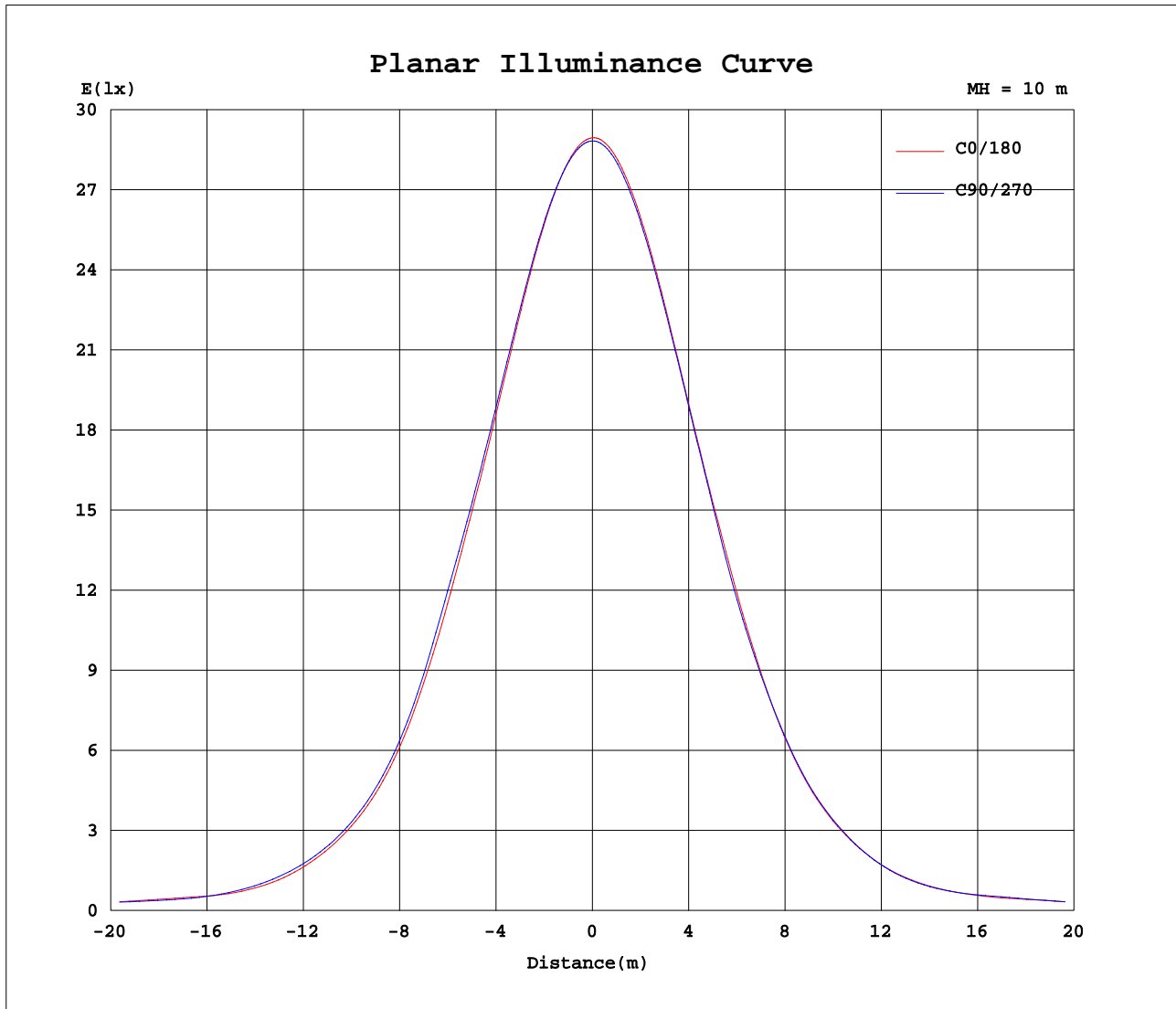
AvgL	cd/m2
L_0~180(65)av	2823
L_0~180(75)av	3291
L_0~180(85)av	3341
L_90~270(65)av	2959
L_90~270(75)av	3353
L_90~270(85)av	3188
L_45(65)av	2405
L_45(75)av	2019
L_45(85)av	3457

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-29

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: 2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1634*240*31						SERIAL No.:		
MFR.: A4762092-02									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	2895	2894	2893	2892	2891	2890	2889	2889	2888	2887	2887	2886	2886	2885	2885	2884	2884	2883	2883
5	2857	2857	2856	2855	2855	2854	2854	2853	2852	2852	2852	2851	2851	2851	2851	2852	2852	2852	2852
10	2760	2760	2759	2759	2759	2759	2759	2759	2759	2759	2759	2759	2759	2761	2762	2763	2764	2766	2767
15	2608	2608	2608	2608	2608	2608	2608	2608	2608	2608	2609	2610	2611	2613	2615	2618	2620	2623	2625
20	2405	2404	2403	2403	2403	2403	2403	2404	2405	2407	2408	2411	2413	2416	2420	2424	2427	2431	2434
25	2167	2164	2161	2159	2158	2158	2158	2159	2161	2164	2168	2171	2176	2182	2188	2194	2199	2205	2209
30	1892	1892	1892	1893	1894	1894	1895	1895	1895	1896	1897	1899	1903	1912	1922	1932	1942	1951	1958
35	1553	1560	1567	1573	1579	1585	1590	1595	1599	1603	1607	1610	1612	1612	1612	1611	1611	1611	1612
40	1196	1197	1199	1203	1208	1214	1221	1233	1246	1259	1270	1280	1288	1282	1275	1266	1258	1250	1245
45	896	910	922	933	943	952	960	967	972	977	980	981	981	974	965	957	949	943	939
50	632	660	683	704	721	734	745	749	751	750	747	742	735	724	713	701	692	684	679
55	415	445	470	492	511	526	537	544	547	547	545	540	533	518	502	486	473	462	456
60	372	372	371	371	371	370	370	370	370	370	370	368	367	360	352	346	340	336	335
65	323	310	298	288	279	272	267	263	260	260	261	265	270	284	299	314	329	342	352
70	271	249	229	212	198	187	179	174	173	174	178	184	192	209	226	244	260	273	284
75	227	211	197	183	172	161	151	141	132	125	121	119	121	139	158	178	197	214	228
80	148	144	140	136	132	128	124	119	114	110	107	105	105	112	121	130	140	148	155
85	70.9	70.9	70.8	70.8	70.7	70.6	70.5	70.2	69.8	69.6	69.4	69.4	69.6	70.3	71.3	72.4	73.7	75.0	76.5
90	2.21	2.16	2.14	2.13	2.14	2.16	2.21	2.26	2.33	2.42	2.54	2.68	2.85	3.10	3.37	3.66	3.97	4.28	4.60
95	71.9	72.3	72.8	73.2	73.7	74.1	74.5	74.7	74.9	75.2	75.6	76.1	76.7	79.2	81.5	83.6	85.0	85.6	85.1
100	333	340	346	351	354	355	355	351	345	340	334	329	326	334	343	352	360	366	369
105	813	800	790	782	777	774	774	781	790	800	810	820	829	832	833	832	829	824	817
110	1270	1296	1319	1339	1355	1367	1376	1377	1376	1373	1367	1361	1355	1354	1354	1353	1351	1348	1343
115	2014	2009	2002	1995	1987	1978	1968	1955	1941	1927	1914	1901	1891	1890	1890	1890	1890	1890	1887
120	2530	2524	2517	2509	2501	2492	2483	2472	2460	2448	2437	2426	2416	2411	2407	2403	2400	2395	2390
125	2992	2986	2980	2974	2968	2962	2956	2950	2943	2936	2929	2922	2914	2906	2897	2888	2880	2871	2862
130	3408	3405	3401	3398	3394	3389	3385	3380	3375	3370	3364	3359	3353	3348	3342	3337	3331	3324	3318
135	3795	3790	3785	3779	3775	3770	3765	3761	3757	3753	3749	3745	3740	3736	3731	3726	3720	3714	3708
140	4132	4126	4121	4116	4111	4107	4102	4098	4094	4091	4087	4083	4079	4075	4070	4065	4060	4054	4049
145	4421	4416	4411	4407	4403	4399	4395	4391	4388	4384	4381	4377	4374	4370	4367	4363	4359	4354	4349
150	4673	4667	4662	4658	4654	4650	4646	4644	4641	4639	4637	4634	4632	4628	4624	4620	4616	4611	4606
155	4883	4877	4871	4865	4861	4856	4853	4851	4849	4847	4846	4845	4843	4840	4836	4833	4829	4825	4821
160	5051	5045	5040	5035	5030	5026	5023	5021	5019	5018	5017	5016	5015	5012	5010	5007	5004	5001	4998
165	5179	5173	5168	5163	5159	5155	5152	5149	5148	5146	5145	5144	5142	5141	5139	5138	5136	5135	5133
170	5273	5267	5261	5256	5252	5248	5245	5242	5240	5239	5238	5237	5236	5235	5234	5233	5232	5231	5231
175	5325	5320	5315	5310	5306	5303	5300	5299	5297	5296	5296	5295	5295	5294	5294	5294	5293	5293	5292
180	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1634*240*31					SERIAL No.:				
MFR.: A4762092-02									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	2883	2882	2882	2882	2881	2881	2880	2880	2879	2879	2879	2880	2882	2885	2888	2891	2893	2895	2895
5	2852	2852	2852	2852	2852	2852	2852	2852	2852	2852	2852	2853	2856	2859	2862	2865	2868	2870	2870
10	2767	2767	2767	2766	2766	2766	2766	2766	2767	2768	2768	2770	2773	2776	2779	2782	2785	2787	2787
15	2625	2625	2625	2625	2625	2625	2625	2625	2626	2626	2627	2628	2631	2634	2638	2641	2643	2646	2645
20	2434	2435	2435	2435	2434	2434	2434	2434	2434	2434	2435	2436	2439	2441	2444	2447	2449	2451	2451
25	2210	2210	2210	2209	2207	2206	2205	2204	2204	2204	2204	2204	2206	2209	2211	2214	2216	2218	2218
30	1958	1956	1954	1950	1946	1942	1942	1942	1942	1943	1943	1945	1946	1947	1948	1949	1950	1950	1951
35	1616	1621	1626	1631	1636	1640	1641	1642	1642	1642	1641	1639	1637	1634	1631	1628	1625	1622	1622
40	1256	1268	1282	1296	1309	1321	1320	1317	1312	1306	1299	1291	1285	1279	1275	1271	1268	1267	1274
45	946	956	967	979	992	1004	1012	1020	1026	1029	1031	1030	1016	1001	985	971	958	948	956
50	688	700	714	730	746	761	774	785	794	800	802	800	779	755	730	706	684	666	672
55	471	491	512	535	557	576	581	582	580	575	567	556	537	516	496	478	462	450	459
60	347	360	375	389	403	414	412	407	401	393	385	376	373	370	368	366	366	366	368
65	348	341	332	322	311	301	296	293	290	289	289	290	296	302	309	315	320	324	321
70	276	265	251	235	220	205	197	192	188	187	189	193	207	224	240	256	270	281	275
75	219	207	192	175	158	142	135	131	130	131	134	140	156	174	192	209	224	235	229
80	154	151	147	142	137	132	128	124	122	120	120	121	129	138	147	156	164	171	168
85	78.0	79.5	81.1	82.6	84.0	85.4	86.7	87.8	88.7	89.5	90.1	90.5	90.1	89.5	88.8	88.1	87.5	87.1	87.9
90	4.96	5.30	5.62	5.88	6.08	6.21	6.01	5.75	5.45	5.14	4.83	4.56	4.51	4.53	4.60	4.72	4.90	5.14	5.48
95	79.7	73.4	66.3	59.0	51.6	44.6	40.7	37.5	34.7	32.5	30.7	29.2	27.5	26.1	24.9	24.1	23.5	23.2	23.3
100	357	342	325	306	287	268	255	243	232	222	214	207	203	200	198	197	197	197	197
105	808	796	783	768	752	734	712	690	668	647	627	610	601	595	592	590	590	591	590
110	1335	1324	1311	1296	1278	1257	1223	1188	1153	1119	1087	1059	1049	1043	1042	1042	1045	1050	1045
115	1873	1856	1839	1821	1804	1788	1783	1779	1776	1772	1767	1760	1738	1714	1690	1669	1651	1638	1651
120	2378	2366	2352	2339	2326	2314	2307	2301	2297	2293	2290	2288	2287	2286	2286	2286	2286	2287	2287
125	2855	2848	2841	2834	2827	2820	2812	2804	2796	2788	2782	2776	2773	2772	2771	2771	2772	2772	2773
130	3310	3302	3293	3285	3276	3268	3259	3251	3243	3236	3229	3224	3219	3216	3213	3211	3210	3210	3211
135	3701	3693	3685	3677	3669	3661	3654	3646	3639	3633	3627	3622	3619	3616	3614	3612	3612	3612	3612
140	4043	4037	4030	4024	4018	4011	4005	3998	3992	3986	3981	3977	3974	3973	3972	3972	3972	3973	3972
145	4344	4338	4332	4326	4320	4314	4309	4303	4298	4294	4290	4287	4285	4284	4284	4284	4284	4285	4284
150	4602	4597	4592	4587	4582	4577	4573	4568	4564	4561	4558	4555	4555	4555	4556	4557	4557	4558	4556
155	4818	4814	4811	4807	4804	4801	4797	4793	4790	4787	4784	4782	4781	4781	4782	4782	4783	4783	4781
160	4996	4993	4990	4988	4985	4982	4979	4977	4974	4972	4970	4969	4969	4970	4970	4971	4972	4972	4970
165	5131	5130	5128	5126	5124	5123	5120	5118	5116	5114	5113	5112	5113	5115	5116	5118	5120	5121	5119
170	5230	5229	5228	5227	5226	5225	5224	5223	5221	5221	5220	5220	5221	5224	5226	5228	5230	5231	5229
175	5292	5292	5292	5292	5292	5291	5291	5291	5291	5291	5291	5292	5294	5296	5298	5300	5301	5302	5300
180	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1634*240*31	SERIAL No.:
MFR.: A4762092-02	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	2894	2894	2892	2891	2889	2889	2888	2887	2887	2886	2886	2885	2885	2884	2884	2883	2883	2883	2882
5	2870	2869	2868	2866	2865	2864	2864	2863	2863	2862	2861	2860	2860	2859	2858	2857	2856	2855	2854
10	2786	2785	2783	2782	2780	2779	2778	2778	2777	2776	2775	2774	2773	2772	2771	2770	2769	2767	2766
15	2644	2643	2641	2639	2637	2636	2636	2635	2635	2634	2634	2634	2633	2632	2632	2631	2629	2627	2625
20	2450	2448	2447	2445	2443	2443	2443	2442	2442	2442	2442	2443	2443	2443	2443	2442	2441	2438	2435
25	2218	2217	2216	2215	2213	2213	2212	2211	2211	2210	2210	2210	2210	2210	2209	2209	2207	2204	2200
30	1951	1951	1951	1950	1950	1950	1950	1949	1948	1946	1944	1939	1933	1927	1921	1916	1911	1909	1908
35	1621	1622	1622	1623	1625	1629	1632	1636	1639	1641	1642	1638	1632	1626	1619	1613	1607	1605	1605
40	1281	1289	1298	1305	1312	1312	1310	1307	1303	1299	1294	1291	1287	1284	1281	1278	1277	1279	1281
45	968	982	997	1012	1026	1031	1033	1033	1031	1028	1022	1012	1001	990	979	969	960	962	966
50	684	699	716	735	754	768	780	790	797	800	799	777	753	727	702	680	662	673	688
55	472	489	507	526	545	559	570	579	584	586	583	561	536	510	484	461	444	453	468
60	370	373	376	379	383	386	390	393	395	398	399	399	399	398	396	394	392	389	387
65	316	310	304	298	292	289	287	286	286	287	289	296	303	311	318	323	326	320	311
70	266	255	242	228	215	206	199	194	191	190	193	209	227	246	263	278	288	276	260
75	219	206	193	179	167	163	162	162	165	169	175	188	201	214	226	236	243	236	225
80	164	159	152	146	139	136	134	133	132	133	134	139	145	151	157	161	164	160	155
85	88.8	89.8	90.8	91.7	92.3	92.0	91.4	90.5	89.4	88.0	86.5	84.2	81.8	79.5	77.4	75.6	74.2	75.1	76.4
90	5.87	6.28	6.70	7.12	7.53	7.97	8.36	8.69	8.93	9.07	9.07	8.61	8.04	7.38	6.68	5.97	5.28	4.88	4.53
95	23.7	24.4	25.4	26.7	28.2	29.5	31.2	33.3	36.0	39.2	43.1	50.4	58.0	65.7	73.0	79.6	85.1	85.3	84.3
100	197	197	199	201	205	211	217	226	235	247	259	279	300	320	339	356	370	369	365
105	590	592	596	601	609	624	642	660	681	701	723	743	762	781	798	814	827	836	842
110	1041	1040	1041	1046	1054	1080	1108	1140	1173	1206	1238	1262	1283	1302	1319	1334	1347	1355	1362
115	1669	1691	1714	1738	1760	1763	1765	1765	1766	1768	1771	1790	1812	1834	1856	1877	1896	1901	1904
120	2288	2288	2289	2289	2290	2289	2287	2287	2289	2292	2297	2312	2329	2347	2365	2383	2400	2407	2412
125	2773	2774	2775	2777	2780	2783	2786	2791	2796	2802	2809	2818	2828	2839	2850	2861	2872	2881	2891
130	3212	3214	3217	3220	3223	3227	3231	3235	3241	3247	3254	3266	3278	3290	3302	3314	3326	3333	3339
135	3613	3615	3617	3620	3623	3626	3629	3633	3638	3644	3651	3660	3671	3682	3693	3704	3714	3720	3725
140	3972	3972	3973	3974	3975	3977	3980	3984	3988	3993	3999	4008	4017	4027	4037	4047	4056	4061	4065
145	4284	4284	4284	4285	4286	4288	4290	4293	4297	4301	4306	4313	4321	4329	4336	4344	4351	4355	4359
150	4555	4553	4551	4551	4550	4553	4556	4559	4564	4569	4574	4579	4584	4589	4595	4600	4606	4611	4616
155	4780	4778	4777	4776	4775	4777	4779	4781	4785	4788	4792	4798	4803	4809	4815	4820	4826	4830	4833
160	4968	4965	4963	4961	4960	4960	4962	4964	4966	4969	4973	4977	4982	4986	4991	4996	5001	5004	5007
165	5117	5115	5112	5110	5108	5109	5109	5110	5112	5114	5116	5118	5121	5124	5127	5130	5132	5135	5137
170	5226	5223	5219	5216	5213	5212	5212	5212	5213	5214	5215	5218	5221	5225	5228	5232	5235	5236	5237
175	5296	5293	5289	5286	5282	5282	5282	5282	5283	5284	5285	5286	5287	5288	5290	5291	5293	5294	5295
180	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-29

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:229.67V I:0.6585A P:149.30W PF:0.9872 Freq:49.99Hz Lamp Flux:19819.8x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1634*240*31						SERIAL No.:		
MFR.: A4762092-02									SUR.:1.42*0.191						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	2882	2882	2881	2881	2880	2880	2879	2879	2879	2880	2881	2883	2885	2888	2891				
5	2853	2852	2851	2850	2849	2847	2846	2844	2844	2843	2844	2846	2848	2850	2854				
10	2765	2763	2762	2760	2758	2756	2754	2752	2751	2750	2750	2751	2752	2754	2757				
15	2623	2620	2617	2614	2611	2608	2605	2602	2600	2598	2598	2599	2600	2602	2605				
20	2431	2427	2423	2419	2415	2410	2406	2403	2400	2397	2397	2397	2398	2399	2402				
25	2195	2190	2186	2181	2176	2172	2168	2165	2162	2160	2160	2160	2160	2162	2164				
30	1908	1907	1907	1906	1903	1900	1896	1893	1889	1887	1886	1886	1886	1887	1889				
35	1605	1604	1604	1603	1598	1593	1587	1581	1575	1569	1565	1562	1559	1556	1554				
40	1284	1287	1288	1289	1285	1280	1274	1267	1259	1250	1242	1234	1225	1216	1206				
45	971	976	980	984	981	976	970	963	955	947	939	931	923	915	906				
50	707	726	745	761	760	754	746	735	722	708	697	685	673	660	647				
55	486	506	525	543	545	544	541	534	525	513	502	488	473	456	437				
60	384	381	378	375	372	369	367	365	363	362	362	363	364	366	369				
65	301	291	281	272	269	267	267	268	271	275	280	286	293	302	312				
70	241	221	201	183	177	174	174	176	181	188	197	207	220	235	252				
75	213	199	184	171	162	155	149	146	146	147	154	163	174	189	206				
80	149	142	135	128	124	120	118	116	116	119	122	127	133	140					
85	77.9	79.4	80.9	82.0	81.0	79.6	78.0	76.3	74.6	72.9	72.1	71.4	71.0	70.8	70.7				
90	4.23	3.97	3.75	3.56	3.38	3.23	3.10	2.98	2.88	2.78	2.67	2.57	2.47	2.38	2.29				
95	82.4	80.0	77.2	74.3	73.7	73.2	73.0	72.8	72.8	72.8	72.6	72.5	72.3	72.1	72.0				
100	359	351	343	336	338	340	344	348	351	354	353	351	348	344	339				
105	845	847	846	843	833	821	809	798	787	779	777	779	783	791	800				
110	1367	1371	1373	1374	1378	1380	1381	1380	1377	1372	1362	1349	1334	1315	1294				
115	1905	1905	1905	1907	1917	1929	1942	1955	1967	1980	1988	1995	2002	2007	2011				
120	2417	2421	2425	2430	2441	2452	2464	2476	2488	2499	2506	2513	2519	2524	2527				
125	2900	2908	2917	2925	2934	2943	2951	2958	2966	2972	2977	2982	2985	2988	2990				
130	3344	3350	3355	3360	3367	3375	3382	3389	3396	3402	3405	3408	3409	3410	3410				
135	3730	3735	3739	3743	3750	3757	3763	3770	3776	3781	3785	3789	3791	3793	3795				
140	4069	4073	4077	4081	4087	4094	4101	4107	4114	4119	4123	4126	4129	4131	4132				
145	4363	4366	4370	4374	4380	4387	4393	4400	4406	4412	4415	4418	4420	4421	4421				
150	4620	4625	4629	4634	4639	4644	4648	4653	4657	4661	4664	4666	4668	4670	4672				
155	4836	4839	4842	4845	4849	4852	4856	4860	4863	4866	4870	4873	4875	4878	4881				
160	5010	5013	5016	5019	5021	5024	5027	5029	5032	5035	5038	5040	5043	5046	5049				
165	5140	5142	5145	5148	5150	5153	5156	5159	5162	5165	5167	5170	5172	5175	5177				
170	5238	5239	5240	5241	5243	5246	5249	5251	5254	5257	5260	5263	5265	5268	5270				
175	5297	5298	5300	5302	5304	5306	5308	5310	5312	5314	5316	5318	5320	5322	5323				
180	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335	5335				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-04-29

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: