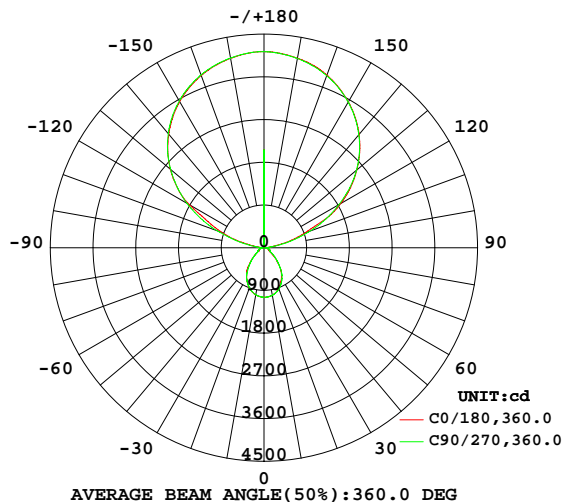


LUMINAIRE PHOTOMETRIC TEST REPORT

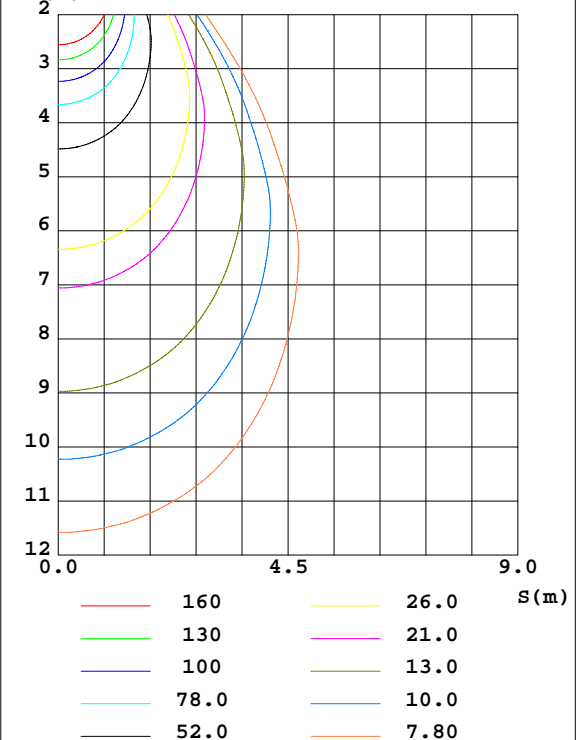
Test:U:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.56 lm/W			
MODEL		Imax(cd)	4134	S/MH(C0/180)	1.08
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.08
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	13455	η UP,DN(C0-180)	42.9,7.1
NOMINAL FLUX(lm)	13454.5	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	43.2,6.8
LAMPS INSIDE	1	η up(%)	86.2	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	13.8	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:2024-12-19

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

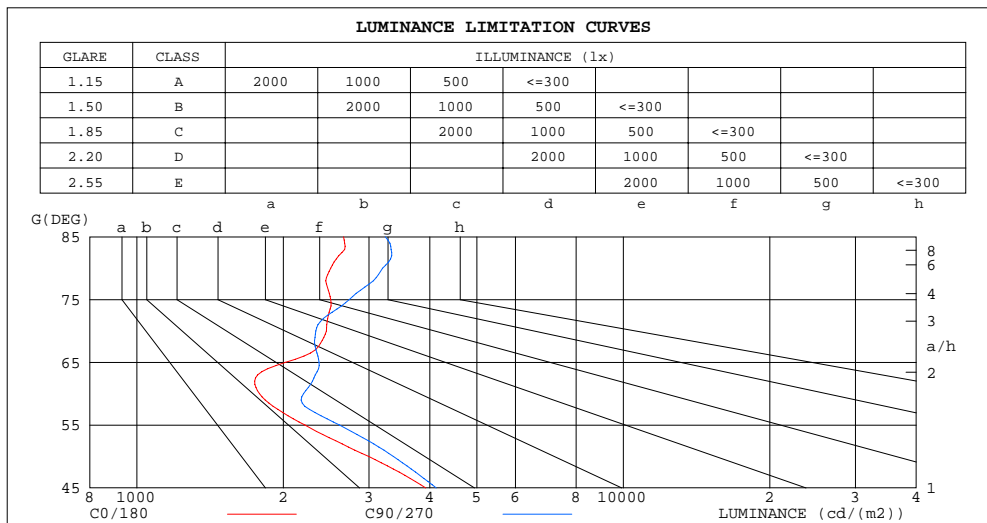
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1015	1019	1017	1011	1007	1004	1005	1008	0- 10	98.05	98.05	0.73,0.73
20	912.6	919.0	922.3	911.0	904.4	894.9	899.0	901.7	10- 20	272.2	370.3	2.75,2.75
30	737.6	742.3	760.5	741.5	731.2	718.1	735.6	723.5	20- 30	379.9	750.2	5.58,5.58
40	509.4	537.1	513.8	540.6	515.2	511.5	483.7	514.6	30- 40	394.5	1145	8.51,8.51
50	261.1	300.4	293.4	309.8	270.1	285.5	266.3	292.8	40- 50	306.0	1451	10.8,10.8
60	121.2	101.6	149.2	120.4	131.7	92.73	147.8	100.4	50- 60	185.5	1636	12.2,12.2
70	113.7	60.65	108.2	67.48	119.6	65.38	95.11	66.13	60- 70	107.7	1744	13,13
80	58.94	61.13	75.34	64.07	60.63	54.18	67.88	57.53	70- 80	81.14	1825	13.6,13.6
90	0.8419	3.144	3.703	5.704	2.783	1.125	1.254	1.203	80- 90	37.72	1863	13.8,13.8
100	230.0	266.7	295.9	263.5	234.1	253.3	284.2	255.6	90-100	89.62	1952	14.5,14.5
110	919.3	1043	1032	949.7	936.8	976.0	1045	1038	100-110	617.6	2570	19.1,19.1
120	1868	1862	1827	1840	1812	1870	1872	1843	110-120	1387	3957	29.4,29.4
130	2554	2552	2544	2538	2576	2570	2568	2549	120-130	1972	5930	44.1,44.1
140	3118	3111	3109	3103	3123	3128	3138	3121	130-140	2197	8126	60.4,60.4
150	3553	3551	3546	3544	3555	3562	3571	3562	140-150	2097	10223	76,76
160	3873	3862	3860	3860	3864	3873	3877	3870	150-160	1718	11941	88.8,88.8
170	4056	4052	4050	4051	4053	4059	4058	4056	160-170	1123	13064	97.1,97.1
180	4133	4133	4133	4133	4133	4133	4133	4133	170-180	390.5	13455	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:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2660	3242
80	2503	3200
75	2503	2732
70	2452	2333
65	2022	2369
60	1787	2200
55	2216	2610
50	2996	3366
45	3922	4126

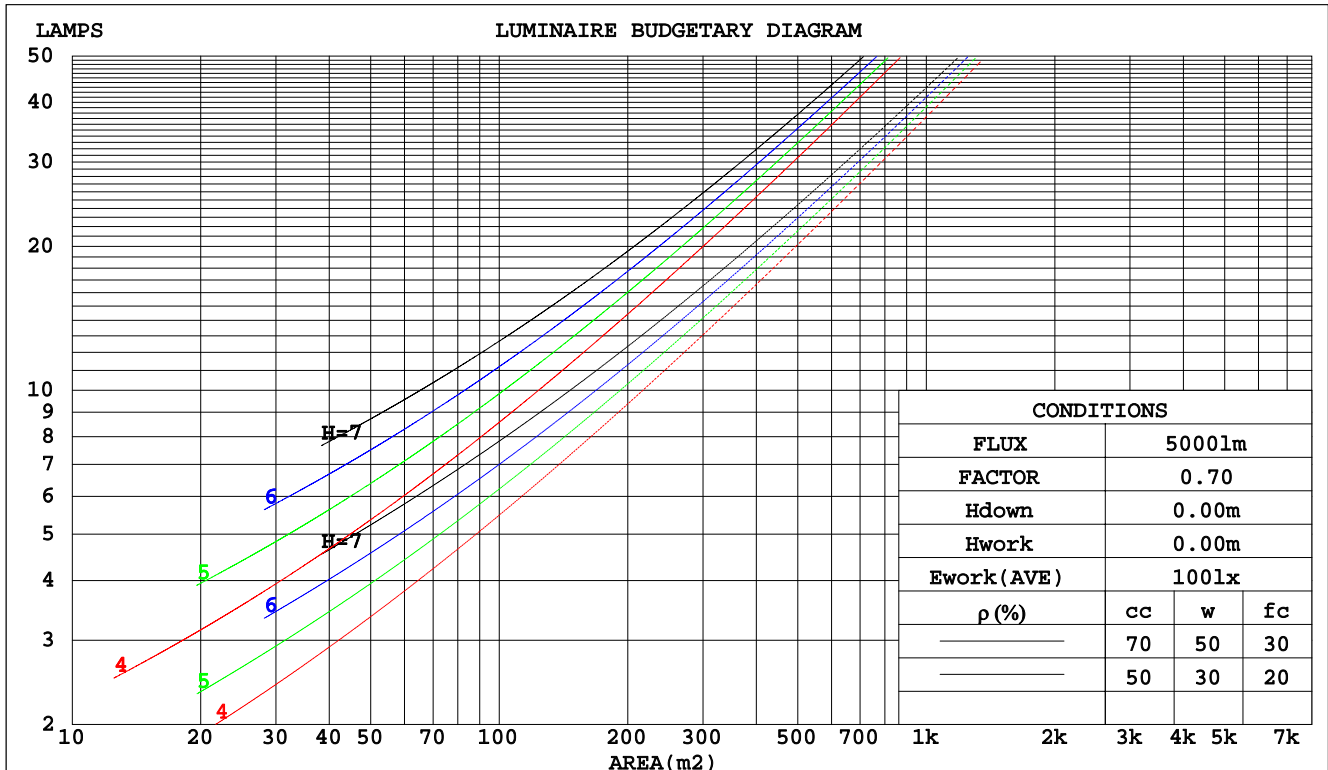
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*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	.99	.99	.99	.86	.86	.86	.63	.63	.63	.42	.42	.42	.23	.23	.23	.14
1.0	.86	.82	.79	.75	.72	.70	.55	.54	.52	.37	.36	.35	.20	.20	.20	.12
2.0	.75	.70	.65	.66	.61	.58	.49	.46	.43	.33	.31	.30	.18	.18	.17	.10
3.0	.66	.59	.54	.58	.53	.48	.43	.40	.37	.29	.27	.25	.16	.15	.15	.09
4.0	.59	.51	.46	.52	.46	.41	.38	.34	.31	.26	.24	.22	.15	.14	.13	.08
5.0	.52	.45	.39	.46	.40	.35	.34	.30	.27	.24	.21	.19	.13	.12	.11	.07
6.0	.47	.39	.34	.41	.35	.30	.31	.27	.23	.21	.19	.17	.12	.11	.10	.07
7.0	.42	.35	.29	.37	.31	.26	.28	.24	.21	.19	.17	.15	.11	.10	.09	.06
8.0	.38	.31	.26	.34	.28	.23	.25	.21	.18	.18	.15	.13	.10	.09	.08	.05
9.0	.34	.28	.23	.31	.25	.21	.23	.19	.16	.16	.14	.12	.10	.08	.07	.05
10.0	.31	.25	.20	.28	.22	.18	.21	.17	.14	.15	.12	.11	.09	.08	.07	.05



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 760*240*31			SERIAL No.:		
MFR.:			SUR.:0.71*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	.226	.129	.041	.164	.094	.030	.107	.062	.020	.055	.032	.010	
2.0	.238	.131	.040	.208	.115	.035	.152	.084	.026	.100	.056	.017	.051	.029	.009	
3.0	.220	.117	.035	.193	.103	.031	.141	.076	.023	.093	.051	.016	.048	.027	.008	
4.0	.204	.106	.031	.179	.094	.028	.131	.069	.021	.086	.046	.014	.045	.024	.007	
5.0	.190	.097	.028	.166	.085	.025	.122	.064	.019	.081	.043	.013	.042	.023	.007	
6.0	.177	.089	.025	.155	.078	.023	.114	.059	.017	.076	.039	.012	.040	.021	.006	
7.0	.166	.082	.023	.145	.072	.021	.107	.054	.016	.071	.036	.011	.037	.019	.006	
8.0	.155	.076	.021	.137	.067	.019	.101	.050	.014	.067	.034	.010	.035	.018	.005	
9.0	.146	.071	.020	.129	.063	.018	.095	.047	.013	.063	.032	.009	.034	.017	.005	
10.0	.138	.066	.018	.121	.059	.016	.090	.044	.012	.060	.030	.008	.032	.016	.005	

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	.847	.847	.847	.724	.724	.724	.494	.494	.494	.284	.284	.284	.091	.091	.091	
1.0	.839	.818	.800	.718	.702	.689	.491	.483	.476	.283	.280	.277	.090	.090	.090	
2.0	.831	.798	.771	.712	.687	.666	.488	.476	.465	.281	.277	.272	.090	.089	.089	
3.0	.825	.784	.751	.707	.676	.651	.485	.470	.457	.280	.274	.269	.090	.089	.088	
4.0	.819	.773	.738	.702	.668	.641	.483	.465	.451	.279	.273	.267	.090	.089	.088	
5.0	.813	.764	.728	.698	.661	.634	.481	.462	.447	.279	.271	.265	.090	.088	.087	
6.0	.807	.757	.722	.694	.656	.628	.479	.459	.445	.278	.270	.264	.090	.088	.087	
7.0	.802	.752	.717	.690	.652	.624	.476	.457	.442	.277	.269	.263	.089	.088	.087	
8.0	.797	.747	.713	.686	.648	.622	.475	.455	.441	.276	.268	.263	.089	.088	.087	
9.0	.792	.743	.710	.682	.645	.619	.473	.453	.440	.275	.268	.262	.089	.088	.087	
10.0	.787	.739	.708	.679	.642	.617	.471	.452	.439	.275	.267	.262	.089	.088	.087	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 760*240*31			SERIAL No.:			
MFR.:					SUR.:0.71*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		7.2	7.8	8.3	9.0	10.6	7.4	8.1	8.6	9.2	10.9
3H		8.0	8.6	9.2	9.8	11.4	8.1	8.8	9.3	9.9	11.6
4H		8.5	9.1	9.7	10.2	11.9	8.7	9.3	9.9	10.5	12.1
6H		9.0	9.5	10.2	10.7	12.4	9.5	10.0	10.7	11.2	12.9
8H		9.3	9.7	10.5	10.9	12.6	9.8	10.3	11.0	11.5	13.2
12H		9.4	9.9	10.6	11.1	12.7	10.1	10.5	11.3	11.7	13.4
4H 2H		6.9	7.5	8.1	8.6	10.3	7.2	7.7	8.4	8.9	10.5
3H		8.0	8.4	9.2	9.6	11.3	8.0	8.5	9.2	9.7	11.4
4H		8.6	9.0	9.8	10.2	11.9	8.9	9.3	10.1	10.5	12.2
6H		9.4	9.8	10.7	11.0	12.7	9.9	10.3	11.1	11.5	13.2
8H		9.8	10.1	11.0	11.3	13.1	10.4	10.7	11.6	11.9	13.6
12H		10.0	10.3	11.3	11.6	13.3	10.7	11.0	12.0	12.2	14.0
8H 4H		8.7	9.1	10.0	10.3	12.0	9.0	9.3	10.2	10.5	12.2
6H		9.8	10.1	11.0	11.3	13.0	10.2	10.5	11.4	11.7	13.4
8H		10.3	10.5	11.5	11.8	13.5	10.8	11.1	12.1	12.3	14.0
12H		10.7	10.9	11.9	12.1	13.9	11.4	11.6	12.6	12.8	14.6
12H 4H		8.7	9.0	10.0	10.2	12.0	8.9	9.2	10.2	10.5	12.2
6H		9.9	10.1	11.1	11.3	13.1	10.2	10.5	11.5	11.7	13.5
8H		10.4	10.6	11.7	11.8	13.6	10.9	11.1	12.2	12.4	14.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5					+ 0.4 / - 0.4				
1.5H		+ 0.3 / - 0.5					+ 0.2 / - 0.3				
2.0H		+ 0.7 / - 0.7					+ 0.6 / - 0.5				

CIE Pub.117, 13455 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.0$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

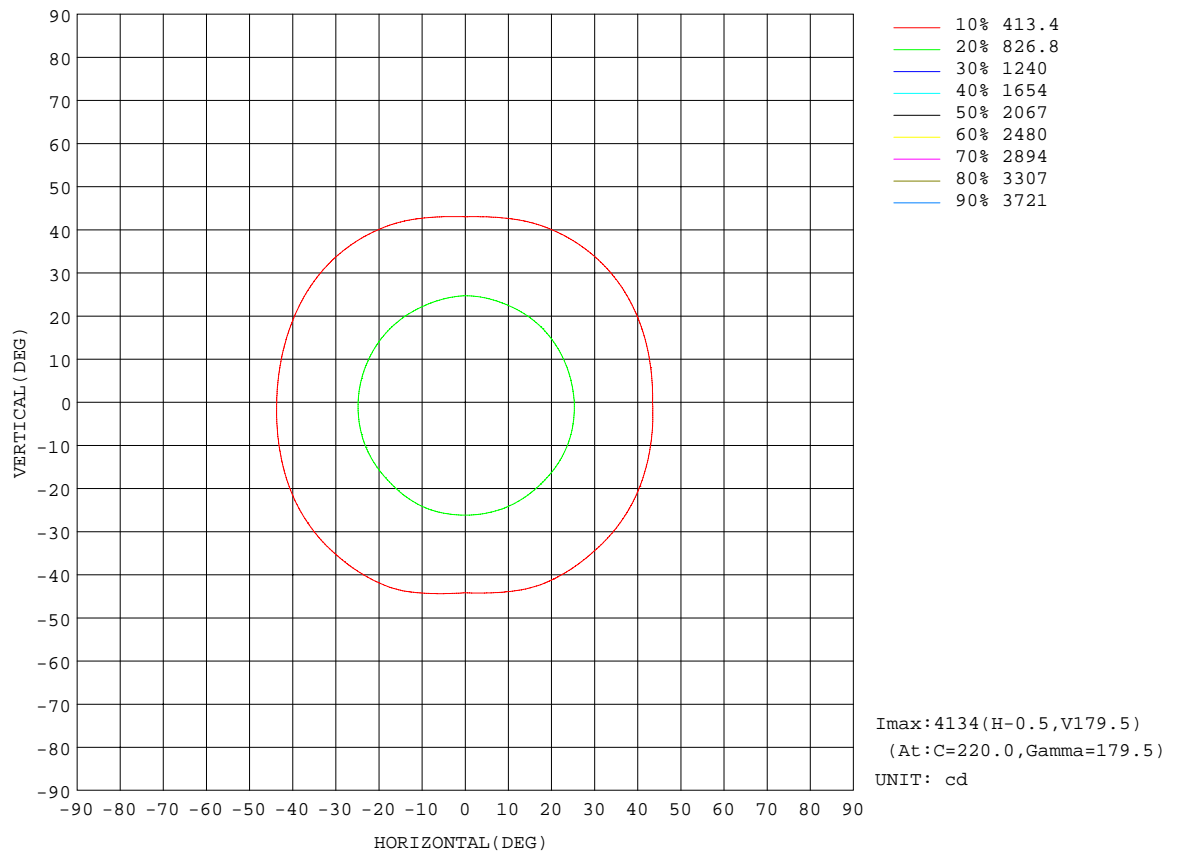
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	35	25	20	32	23	18	25	19	15	6
0.80	45	33	27	40	30	24	30	24	20	8
1.00	52	40	33	46	36	30	35	29	24	9
1.25	58	47	40	52	42	36	39	33	28	10
1.50	64	53	46	56	47	41	42	36	32	10
2.00	71	61	54	62	54	48	46	41	37	11
2.50	75	67	60	66	59	53	49	44	41	11
3.00	79	71	65	69	63	57	51	47	44	12
4.00	83	77	71	73	68	63	54	50	48	12
5.00	86	81	76	75	71	67	56	53	50	12
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:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

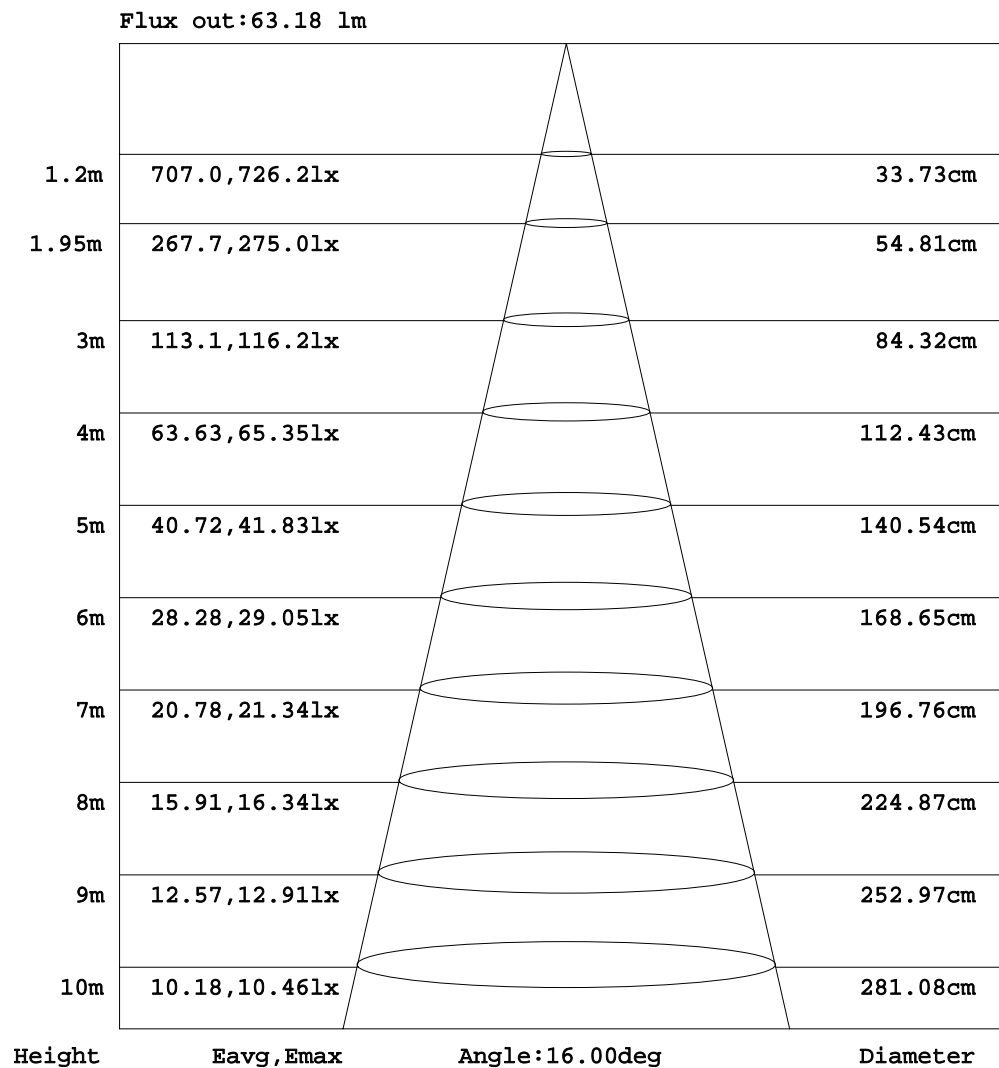


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-12-19

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

AAI Figure

Test:U:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:



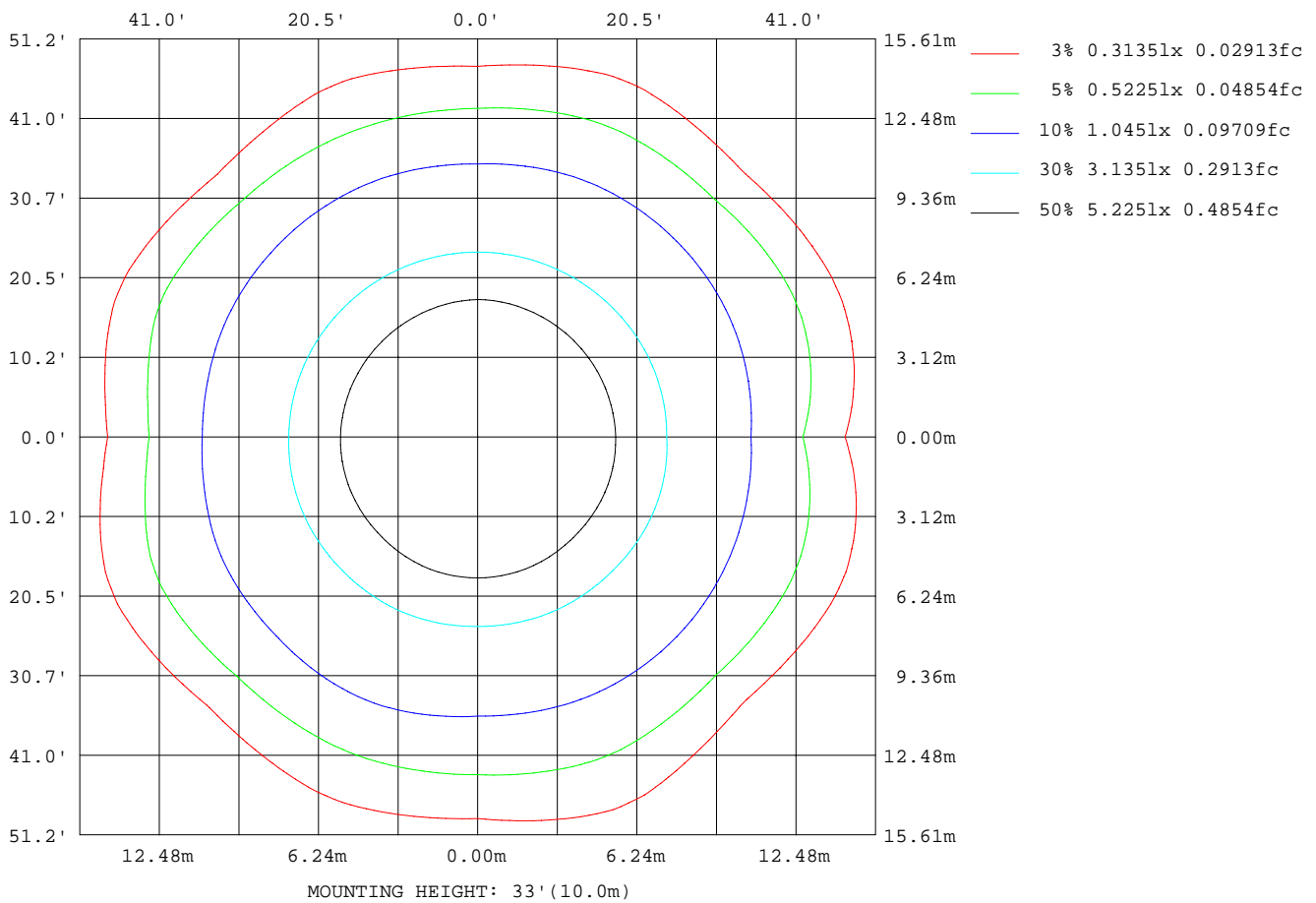
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*0.191	Shielding Angle:

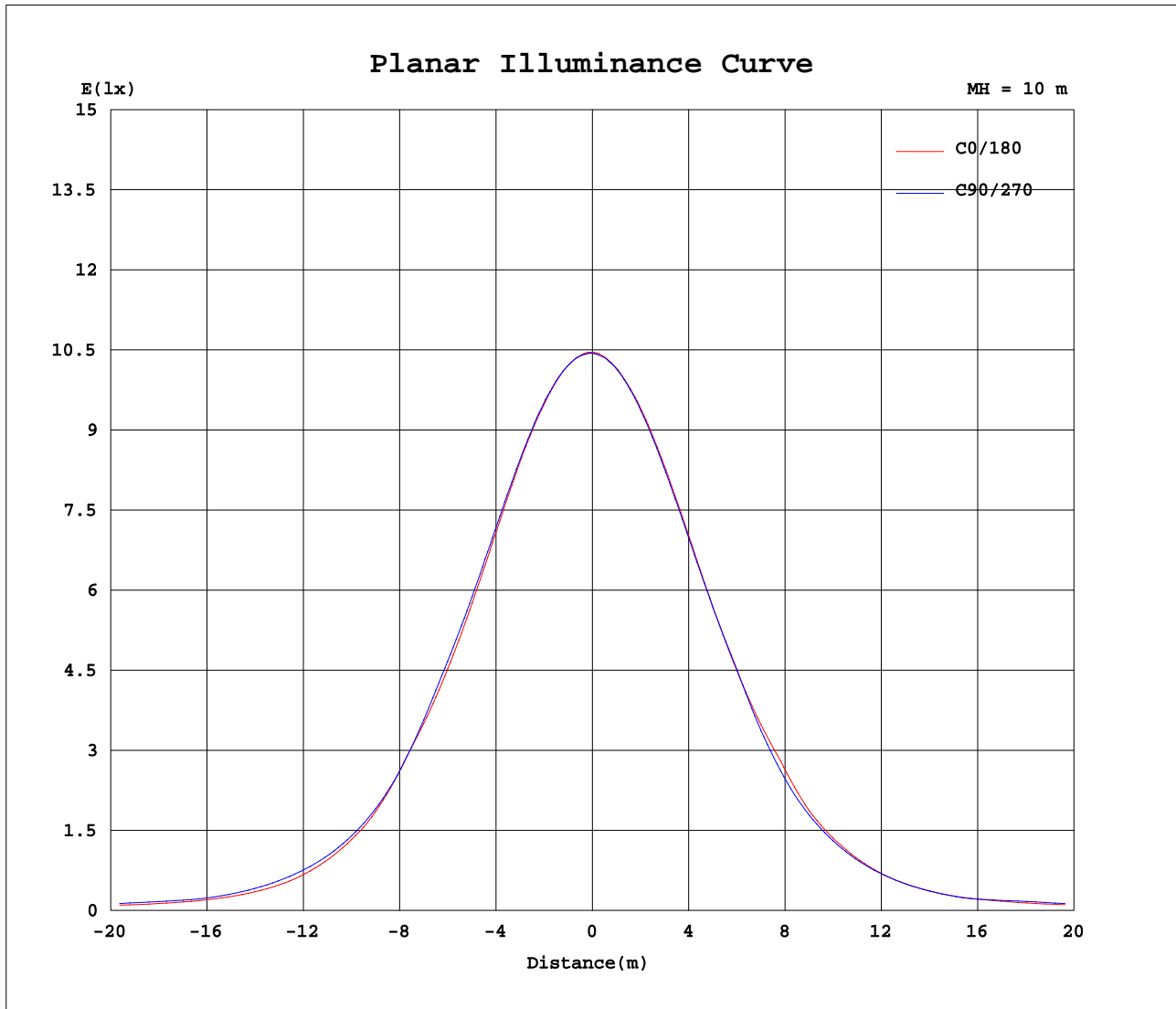
AvgL	cd/m2
L_0~180(65)av	2032
L_0~180(75)av	2526
L_0~180(85)av	2920
L_90~270(65)av	2315
L_90~270(75)av	2700
L_90~270(85)av	3090
L_45(65)av	1025
L_45(75)av	1995
L_45(85)av	2645

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-12-19

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: 2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.:	SUR.:0.71*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	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1044	1044	1044	1044	1044	1044	1044	1044	1044
5	1039	1039	1040	1040	1040	1040	1040	1040	1040	1040	1040	1039	1039	1039	1039	1039	1039	1039	1039
10	1015	1017	1017	1018	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020	1019	1019	1018	1018	1017
15	975	977	978	979	979	980	980	980	979	979	980	981	982	982	982	982	981	980	979
20	913	914	916	917	918	918	919	919	919	919	920	921	922	923	924	924	923	923	922
25	832	834	835	836	837	838	837	837	837	837	839	841	843	844	846	846	846	846	846
30	738	740	742	743	744	744	743	743	742	742	745	747	750	753	756	757	759	760	760
35	638	642	645	647	649	649	648	647	645	644	645	647	648	650	650	650	650	650	650
40	509	517	524	529	533	536	538	538	538	537	536	535	533	531	527	523	519	516	514
45	376	381	386	389	393	395	396	397	398	399	404	409	413	417	416	410	404	399	396
50	261	274	285	294	300	304	304	304	302	300	301	301	301	301	300	298	296	294	293
55	172	191	206	217	223	223	216	208	200	193	200	208	217	225	227	222	216	209	203
60	121	138	150	157	159	153	139	125	111	102	114	129	147	163	170	167	161	155	149
65	116	123	127	127	124	114	98.4	82.4	68.5	58.8	69.0	83.5	100	117	128	133	135	136	136
70	114	109	103	98.0	92.4	85.6	77.9	70.8	64.9	60.6	61.5	64.3	68.7	74.2	81.1	88.9	96.4	103	108
75	87.9	82.6	78.3	74.9	72.3	70.9	70.5	70.8	71.7	73.2	74.8	76.7	79.0	81.5	84.5	88.0	91.2	93.9	95.9
80	58.9	61.2	62.9	64.1	64.8	64.7	63.9	62.9	61.9	61.1	61.6	62.5	63.7	65.3	67.4	70.0	72.4	74.3	75.3
85	31.4	32.1	32.6	33.1	33.5	33.5	33.3	33.2	33.4	34.1	37.2	40.6	43.8	46.5	46.9	45.0	42.7	40.3	38.3
90	0.84	0.85	0.93	1.06	1.25	1.45	1.66	1.98	2.47	3.14	4.78	6.46	8.00	9.20	9.12	7.81	6.28	4.82	3.70
95	53.9	54.1	54.3	54.7	55.2	55.9	56.8	57.8	58.8	59.9	60.9	62.0	63.1	64.3	65.9	67.9	69.5	70.6	70.9
100	230	226	225	225	227	233	241	250	259	267	268	268	267	267	271	279	287	293	296
105	572	570	568	568	568	569	571	573	575	576	572	568	566	566	576	596	615	632	643
110	919	910	906	908	916	936	966	996	1023	1043	1027	1005	982	960	958	976	997	1017	1032
115	1416	1430	1441	1449	1456	1461	1465	1465	1462	1454	1429	1401	1376	1355	1356	1376	1400	1423	1441
120	1868	1863	1859	1856	1854	1856	1861	1865	1865	1862	1836	1807	1780	1757	1753	1770	1790	1810	1827
125	2231	2226	2222	2219	2217	2219	2222	2225	2226	2224	2207	2189	2171	2157	2155	2167	2181	2195	2206
130	2554	2553	2552	2551	2551	2552	2553	2555	2555	2552	2540	2527	2514	2504	2503	2513	2524	2535	2544
135	2851	2850	2850	2849	2849	2849	2850	2850	2849	2847	2839	2830	2821	2814	2814	2821	2828	2836	2843
140	3118	3117	3116	3115	3114	3114	3114	3113	3113	3111	3105	3099	3094	3089	3090	3094	3099	3105	3109
145	3351	3350	3348	3347	3347	3346	3347	3347	3347	3346	3342	3338	3334	3331	3331	3334	3337	3341	3343
150	3553	3552	3550	3550	3549	3549	3550	3550	3551	3551	3548	3545	3543	3540	3540	3541	3543	3545	3546
155	3726	3724	3723	3722	3721	3721	3721	3721	3721	3721	3720	3719	3718	3717	3717	3718	3718	3719	3719
160	3873	3870	3867	3865	3864	3862	3862	3862	3862	3862	3862	3862	3861	3861	3860	3860	3860	3860	3860
165	3984	3982	3979	3977	3976	3974	3974	3973	3973	3973	3972	3972	3971	3971	3970	3970	3970	3970	3970
170	4056	4055	4054	4054	4053	4053	4053	4053	4053	4052	4052	4051	4050	4049	4049	4049	4049	4050	4050
175	4109	4109	4109	4109	4108	4108	4108	4108	4108	4108	4107	4106	4105	4104	4104	4104	4104	4104	4104
180	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 760*240*31					SERIAL No.:				
MFR.:									SUR.:0.71*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	1044	1044	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1044	1044	1045	1045
5	1039	1038	1038	1038	1037	1037	1036	1036	1035	1035	1034	1034	1034	1034	1034	1034	1034	1034	1034
10	1017	1017	1017	1017	1016	1015	1013	1012	1011	1010	1009	1008	1008	1008	1008	1008	1008	1007	1007
15	979	978	978	977	976	975	973	972	970	969	968	968	967	967	966	966	966	965	964
20	922	922	921	920	919	917	915	913	911	910	909	909	908	908	907	906	905	904	903
25	846	846	846	845	843	840	837	834	832	831	830	830	830	829	828	827	825	824	822
30	760	760	759	757	755	752	748	745	741	740	739	739	738	737	736	735	733	731	729
35	651	653	654	655	654	652	649	646	644	643	643	643	642	641	640	638	636	634	632
40	517	521	525	530	534	537	539	540	541	541	540	539	536	533	528	524	519	515	515
45	402	410	418	426	429	427	423	419	414	412	409	407	404	401	396	392	387	384	381
50	297	301	306	310	312	312	311	310	310	314	318	321	322	316	304	291	279	270	275
55	204	207	210	213	213	210	206	204	203	212	222	230	237	233	219	204	189	177	185
60	153	157	161	164	160	149	138	128	120	129	139	151	161	163	157	148	139	132	135
65	139	142	142	140	130	113	94.9	79.0	67.3	75.9	88.8	104	119	126	127	125	121	117	117
70	109	107	104	99.6	93.4	85.8	78.5	72.1	67.5	69.2	73.0	78.3	84.9	92.7	101	109	115	120	116
75	95.5	94.3	92.3	89.6	86.2	82.2	78.3	74.6	71.6	70.4	70.0	70.5	71.8	74.7	79.0	83.3	86.9	89.4	87.0
80	73.0	69.9	66.6	63.4	61.8	62.0	62.7	63.4	64.1	63.2	62.1	61.0	59.9	59.4	59.6	59.9	60.3	60.6	60.8
85	39.6	41.4	43.2	44.7	44.5	42.4	40.0	37.7	35.8	36.6	38.0	39.6	41.0	41.5	40.8	39.8	38.7	37.6	37.4
90	4.87	6.40	8.02	9.49	9.86	9.08	8.01	6.83	5.70	5.60	5.64	5.73	5.79	5.51	4.89	4.19	3.47	2.78	2.36
95	68.2	64.8	61.2	57.8	56.1	56.1	56.6	57.2	57.7	56.7	55.4	54.1	52.7	51.7	51.2	50.8	50.5	50.4	50.1
100	285	272	258	245	241	245	252	258	264	258	251	243	235	231	230	231	232	234	234
105	627	607	584	562	551	552	556	562	569	570	570	571	571	571	573	575	576	577	578
110	1017	997	975	952	940	940	942	946	950	946	941	937	932	931	931	933	935	937	935
115	1424	1402	1378	1358	1358	1379	1402	1423	1439	1418	1391	1360	1330	1310	1302	1298	1298	1300	1300
120	1813	1796	1777	1762	1762	1778	1798	1820	1840	1849	1855	1857	1857	1850	1839	1828	1818	1812	1822
125	2198	2187	2175	2164	2163	2171	2181	2193	2205	2211	2216	2220	2223	2227	2232	2236	2240	2243	2244
130	2538	2530	2520	2512	2510	2515	2522	2530	2538	2542	2545	2548	2551	2555	2561	2567	2572	2576	2577
135	2839	2833	2827	2821	2819	2822	2825	2830	2835	2838	2842	2845	2849	2852	2856	2860	2863	2866	2868
140	3107	3103	3099	3095	3094	3095	3097	3100	3103	3105	3107	3110	3112	3114	3116	3118	3121	3123	3126
145	3342	3339	3336	3333	3333	3334	3335	3337	3339	3340	3341	3342	3343	3344	3346	3349	3351	3354	3356
150	3545	3544	3542	3541	3540	3541	3541	3542	3544	3544	3544	3544	3545	3546	3548	3550	3553	3555	3557
155	3718	3718	3717	3716	3715	3715	3716	3716	3716	3716	3716	3716	3716	3717	3719	3721	3722	3724	3726
160	3860	3859	3859	3859	3859	3859	3859	3860	3860	3859	3858	3857	3857	3857	3858	3860	3862	3864	3866
165	3970	3969	3969	3969	3969	3969	3970	3970	3970	3970	3969	3968	3968	3968	3969	3970	3972	3973	3974
170	4050	4049	4048	4048	4048	4049	4049	4050	4051	4050	4050	4049	4049	4049	4050	4051	4052	4053	4054
175	4104	4104	4103	4103	4103	4104	4105	4106	4106	4106	4107	4107	4107	4107	4108	4108	4109	4110	4111
180	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 760*240*31					SERIAL No.:				
MFR.:									SUR.:0.71*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	1045	1045	1045	1045	1045	1045	1045	1045	1044	1044	1044	1044	1044	1044	1044	1044	1044	1044	1044
5	1033	1033	1032	1032	1032	1032	1033	1033	1032	1032	1032	1032	1032	1032	1033	1033	1033	1033	1033
10	1006	1005	1004	1004	1004	1004	1004	1004	1003	1003	1002	1002	1002	1002	1003	1004	1005	1005	1005
15	963	962	961	960	960	959	959	959	958	958	958	957	958	958	959	960	960	961	961
20	901	900	898	897	896	896	895	895	894	894	894	894	895	896	897	898	899	899	899
25	820	818	817	815	814	813	813	812	812	812	813	813	815	817	819	820	822	821	821
30	727	725	724	722	720	719	718	718	718	719	721	722	725	728	731	734	736	735	733
35	631	630	628	627	625	623	621	619	617	616	615	614	614	613	613	614	614	614	614
40	515	516	516	516	516	515	513	511	509	507	504	501	497	493	489	486	484	486	489
45	380	379	379	379	380	381	382	384	386	388	389	390	387	382	377	373	369	373	377
50	283	292	300	304	301	297	291	286	282	279	277	275	272	270	268	267	266	269	273
55	196	208	218	219	211	200	189	180	181	185	189	194	194	190	186	182	179	185	192
60	140	145	148	143	129	115	102	92.7	103	116	132	147	155	155	153	151	148	151	155
65	117	116	113	103	87.0	71.6	58.6	49.9	60.8	75.9	93.3	111	122	127	130	130	130	130	129
70	110	102	94.0	86.3	79.7	73.8	68.9	65.4	65.1	66.3	68.6	71.9	76.4	81.6	86.8	91.5	95.1	95.1	93.9
75	83.4	79.1	74.6	71.2	69.0	67.5	66.7	66.6	68.0	70.1	72.7	75.8	79.6	83.9	87.9	91.3	93.7	92.6	90.4
80	60.8	60.6	60.2	59.3	57.8	56.3	55.0	54.2	54.9	56.0	57.5	59.3	61.3	63.6	65.5	67.0	67.9	66.2	63.9
85	37.2	36.9	36.5	35.2	33.2	31.2	29.5	28.3	29.4	31.0	32.9	34.7	35.5	35.3	35.0	34.7	34.7	36.7	38.9
90	2.02	1.75	1.53	1.37	1.25	1.18	1.14	1.13	1.13	1.15	1.18	1.21	1.23	1.24	1.25	1.25	1.25	1.26	1.25
95	50.0	50.0	50.2	50.7	51.5	52.4	53.4	54.4	54.9	55.5	56.1	56.9	58.2	60.0	61.6	63.0	63.7	62.2	60.2
100	233	233	234	237	241	246	250	253	251	249	247	246	250	259	269	278	284	279	272
105	577	577	576	576	576	575	575	574	571	567	565	566	575	591	608	622	631	617	599
110	934	934	934	939	948	958	967	976	976	975	975	976	986	1003	1021	1035	1045	1030	1010
115	1303	1309	1320	1344	1379	1414	1445	1470	1457	1439	1417	1398	1397	1416	1438	1458	1473	1458	1437
120	1835	1850	1864	1874	1878	1879	1876	1870	1852	1832	1814	1800	1802	1819	1839	1858	1872	1859	1842
125	2244	2244	2243	2243	2244	2244	2242	2238	2224	2210	2196	2185	2185	2196	2209	2222	2232	2226	2216
130	2577	2576	2575	2574	2574	2574	2572	2570	2561	2551	2543	2536	2536	2543	2552	2560	2568	2564	2559
135	2870	2871	2872	2872	2870	2869	2867	2864	2860	2855	2852	2849	2850	2855	2861	2867	2871	2870	2867
140	3129	3131	3133	3133	3133	3131	3130	3128	3127	3126	3125	3125	3127	3130	3133	3136	3138	3137	3135
145	3359	3361	3363	3364	3363	3362	3362	3361	3362	3363	3364	3365	3367	3368	3369	3370	3371	3371	3370
150	3559	3561	3562	3563	3563	3562	3562	3562	3564	3566	3568	3570	3571	3571	3571	3571	3571	3572	3572
155	3728	3730	3731	3732	3732	3732	3732	3732	3735	3737	3739	3741	3742	3742	3741	3741	3740	3741	3742
160	3867	3868	3870	3871	3871	3872	3872	3873	3875	3876	3878	3880	3880	3880	3879	3878	3877	3878	3879
165	3976	3977	3978	3978	3979	3980	3980	3981	3982	3983	3983	3984	3984	3984	3983	3982	3982	3982	3983
170	4055	4056	4057	4057	4058	4058	4059	4059	4059	4059	4059	4060	4059	4059	4059	4058	4058	4059	4059
175	4112	4112	4113	4113	4114	4114	4113	4113	4113	4113	4113	4113	4113	4113	4113	4113	4113	4113	4113
180	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-12-19

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:229.55V I:0.4292A P:96.407W PF:0.9786 Freq:49.99Hz Lamp Flux:13454.5x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 760*240*31						SERIAL No.:		
MFR.:									SUR.:0.71*0.191						Shielding Angle:		

Table--4

UNIT: cd

C(DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (DEC)	0	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1044				
5	1033	1033	1033	1033	1033	1034	1034	1034	1034	1034	1035	1035	1036	1036	1037				
10	1005	1005	1006	1006	1007	1007	1008	1009	1009	1010	1010	1011	1012	1013	1014				
15	961	961	962	963	964	965	965	966	966	966	967	968	969	971	973				
20	899	899	899	899	900	901	902	902	903	904	905	906	907	909	911				
25	819	818	818	818	818	818	819	819	820	821	822	823	825	827	829				
30	731	729	727	726	725	724	724	724	725	726	728	730	731	733	735				
35	615	615	616	618	619	621	623	625	628	630	632	634	636	637	637				
40	493	497	501	505	509	512	515	516	517	517	517	516	515	513	512				
45	383	388	391	391	391	390	389	389	389	388	388	386	384	382	379				
50	277	281	284	286	288	291	293	298	303	306	308	306	299	289	277				
55	199	205	207	203	198	194	191	199	207	215	221	221	215	205	191				
60	157	157	150	136	122	110	100	109	121	135	147	153	151	145	135				
65	127	122	112	96.7	81.5	68.3	58.9	66.5	77.9	91.3	105	114	118	120	119				
70	91.6	88.4	84.0	78.6	73.5	69.2	66.1	67.5	70.6	74.9	80.3	86.0	91.9	98.5	106				
75	87.4	83.9	80.4	77.1	74.0	71.1	68.7	66.7	65.5	65.1	65.6	67.5	70.8	75.3	81.0				
80	61.4	58.9	57.4	57.0	57.0	57.2	57.5	57.4	57.4	57.3	57.3	57.5	57.7	58.0	58.4				
85	40.7	41.9	40.9	37.7	34.0	30.3	26.8	25.9	25.6	25.8	26.4	27.1	27.8	28.8	30.0				
90	1.25	1.25	1.24	1.23	1.23	1.21	1.20	1.20	1.19	1.17	1.15	1.11	1.06	1.00	0.93				
95	57.9	55.8	54.8	55.1	55.5	56.1	56.7	56.2	55.5	54.8	54.2	53.7	53.6	53.5	53.7				
100	263	255	251	252	253	255	256	251	245	240	234	230	229	228	228				
105	578	559	549	549	553	558	564	567	569	571	573	574	574	574	573				
110	990	972	972	989	1008	1026	1038	1021	997	970	944	926	917	913	914				
115	1414	1394	1387	1396	1409	1425	1441	1452	1462	1469	1473	1471	1464	1453	1437				
120	1823	1805	1799	1806	1817	1830	1843	1852	1859	1866	1871	1874	1875	1874	1872				
125	2205	2195	2191	2193	2198	2205	2212	2219	2225	2231	2236	2239	2239	2238	2235				
130	2554	2548	2544	2544	2544	2546	2549	2554	2560	2565	2569	2571	2569	2566	2561				
135	2864	2860	2856	2854	2852	2851	2850	2854	2858	2862	2866	2867	2865	2862	2857				
140	3133	3131	3128	3125	3123	3122	3121	3123	3125	3127	3129	3130	3128	3126	3122				
145	3370	3368	3367	3364	3362	3360	3358	3359	3360	3361	3361	3361	3359	3357	3355				
150	3572	3572	3571	3569	3567	3564	3562	3562	3562	3562	3562	3561	3560	3558	3555				
155	3743	3743	3742	3740	3737	3735	3733	3732	3732	3732	3732	3731	3730	3729	3728				
160	3880	3881	3880	3878	3875	3873	3870	3870	3871	3872	3873	3873	3874	3874	3874				
165	3983	3984	3983	3982	3980	3979	3978	3979	3980	3981	3983	3984	3984	3984	3985				
170	4059	4059	4059	4059	4058	4057	4056	4057	4057	4057	4057	4057	4057	4057	4056				
175	4113	4113	4112	4112	4112	4112	4112	4112	4112	4112	4112	4111	4111	4110	4110				
180	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133	4133				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-12-19

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: