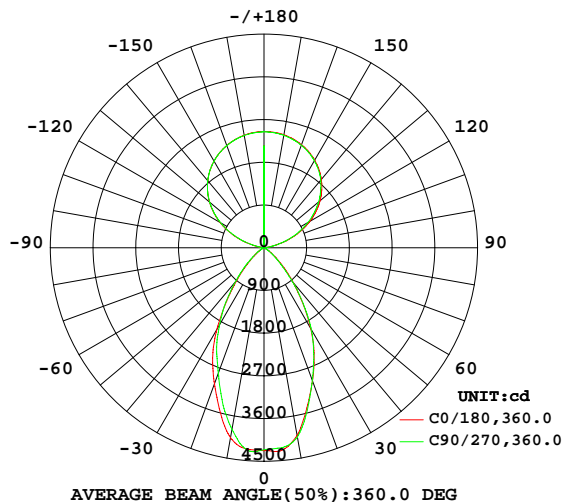


LUMINAIRE PHOTOMETRIC TEST REPORT

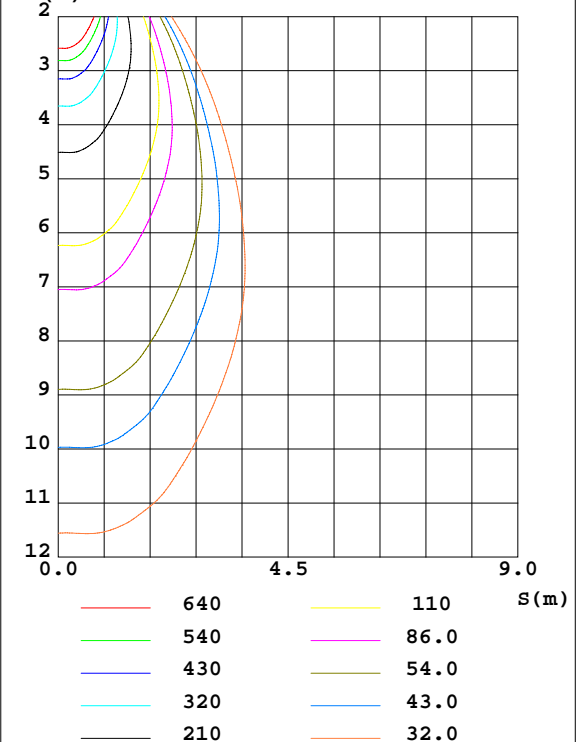
Test:U:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 900*31	SERIAL No.:
MFR.:	SUR.:3.14*0.448*0.448	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.58 lm/W			
MODEL		Imax(cd)	4314	S/MH(C0/180)	0.86
NOMINAL POWER(W)	75	LOR(%)	100.0	S/MH(C90/270)	0.80
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	10879	η UP,DN(C0-180)	31.7,18.5
NOMINAL FLUX(lm)	10878.6	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	31.3,18.5
LAMPS INSIDE	1	η up(%)	63.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	η down(%)	37.0	CIBSE SHR MAX	0.90

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:2024-03-25

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:

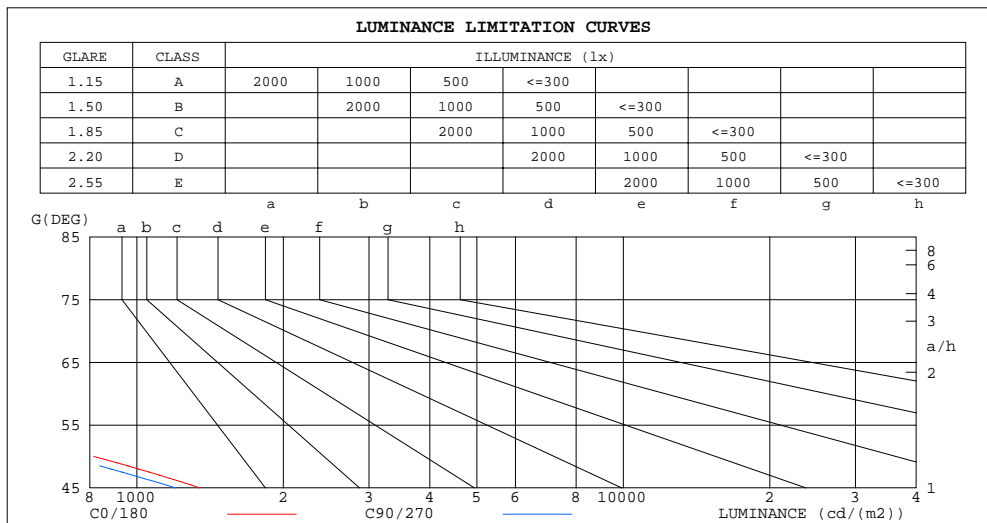
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	4018	4107	4049	4031	4064	4016	3885	3888	0- 10	398.4	398.4	3.66,3.66
20	2986	3037	2981	2921	3055	3005	2816	2789	10- 20	971.8	1370	12.6,12.6
30	1970	1987	2002	1921	1984	1918	1868	1856	20- 30	1121	2491	22.9,22.9
40	961.5	922.0	943.3	919.3	887.9	912.2	937.0	936.0	30- 40	873.6	3365	30.9,30.9
50	330.0	309.4	289.4	287.0	285.6	303.4	325.2	337.4	40- 50	442.3	3807	35,35
60	73.50	68.07	56.41	58.17	63.83	71.32	76.67	78.72	50- 60	150.8	3958	36.4,36.4
70	10.22	6.239	9.203	12.85	17.85	18.34	21.02	21.05	60- 70	29.04	3987	36.6,36.6
80	18.40	7.440	12.81	22.66	26.86	27.47	29.17	28.23	70- 80	18.74	4006	36.8,36.8
90	0.4639	0.6357	0.6271	0.6787	4.158	0.8333	0.8075	0.8161	80- 90	17.30	4023	37,37
100	130.2	132.0	129.0	113.1	102.9	90.42	91.37	112.6	90-100	35.35	4058	37.3,37.3
110	622.0	615.0	592.4	574.6	573.4	557.8	553.9	601.2	100-110	349.6	4408	40.5,40.5
120	1117	1111	1072	1073	1070	1064	1057	1103	110-120	828.6	5236	48.1,48.1
130	1541	1540	1504	1510	1499	1495	1494	1531	120-130	1166	6403	58.9,58.9
140	1880	1875	1860	1853	1845	1841	1845	1871	130-140	1307	7709	70.9,70.9
150	2135	2126	2122	2112	2109	2102	2109	2127	140-150	1249	8959	82.4,82.4
160	2312	2301	2300	2294	2294	2286	2293	2305	150-160	1022	9981	91.7,91.7
170	2417	2406	2407	2405	2408	2398	2403	2411	160-170	666.5	10647	97.9,97.9
180	2450	2450	2450	2450	2450	2450	2450	2450	170-180	231.4	10879	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:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 900*31	SERIAL No.:
MFR.:	SUR.:3.14*0.448*0.448	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	262	258
80	168	117
75	82	64
70	47	43
65	83	61
60	233	179
55	477	415
50	815	714
45	1348	1202

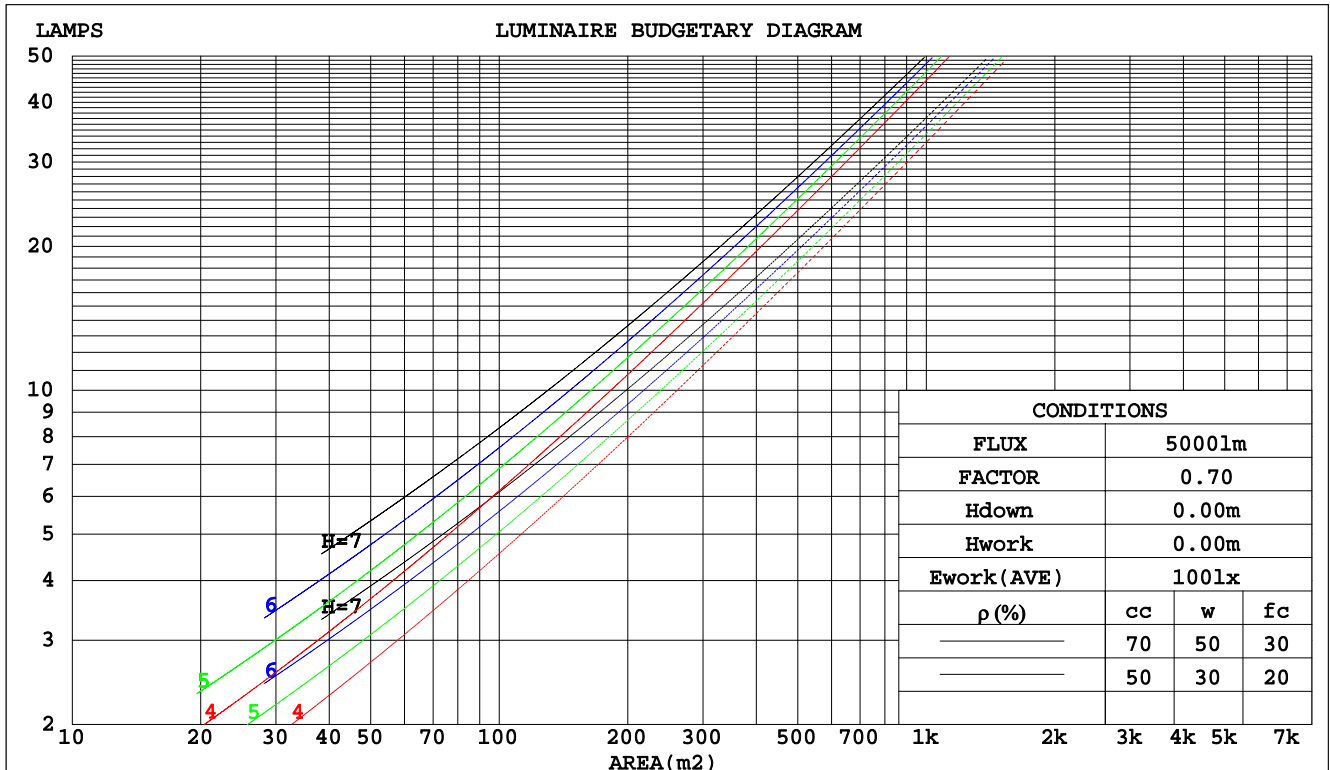
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 900*31	SERIAL No.:
MFR.:	SUR.:3.14*0.448*0.448	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	1.04	1.04	1.04	.94	.94	.94	.76	.76	.76	.59	.59	.59	.44	.44	.44	.37
1.0	.93	.89	.86	.84	.82	.79	.69	.67	.65	.54	.53	.52	.41	.41	.40	.34
2.0	.83	.78	.73	.76	.71	.68	.62	.59	.57	.50	.48	.46	.38	.37	.36	.31
3.0	.74	.68	.63	.68	.63	.59	.57	.53	.50	.46	.43	.41	.36	.34	.33	.29
4.0	.67	.60	.55	.62	.56	.52	.52	.48	.44	.42	.39	.37	.33	.32	.30	.27
5.0	.61	.54	.49	.56	.50	.46	.47	.43	.40	.39	.36	.34	.31	.29	.28	.24
6.0	.56	.48	.43	.51	.45	.41	.43	.39	.36	.36	.33	.31	.29	.27	.26	.23
7.0	.51	.44	.39	.47	.41	.37	.40	.36	.32	.33	.30	.28	.27	.25	.24	.21
8.0	.47	.40	.35	.43	.37	.33	.37	.33	.29	.31	.28	.26	.26	.23	.22	.20
9.0	.43	.36	.32	.40	.34	.30	.34	.30	.27	.29	.26	.24	.24	.22	.20	.18
10.0	.40	.33	.29	.37	.32	.28	.32	.28	.25	.27	.24	.22	.23	.21	.19	.17



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 900*31			SERIAL No.:		
MFR.:			SUR.:3.14*0.448*0.448			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	.234	.133	.042	.208	.119	.038	.160	.092	.029	.115	.066	.021	.074	.043	.014	
2.0	.218	.119	.037	.194	.107	.033	.150	.084	.026	.110	.062	.019	.072	.041	.013	
3.0	.203	.108	.032	.182	.097	.029	.141	.077	.023	.104	.057	.017	.069	.038	.012	
4.0	.190	.099	.029	.170	.089	.026	.133	.071	.021	.099	.053	.016	.067	.036	.011	
5.0	.178	.091	.026	.160	.082	.024	.125	.065	.019	.094	.049	.015	.064	.034	.010	
6.0	.167	.084	.024	.150	.076	.022	.118	.061	.018	.089	.046	.014	.061	.032	.010	
7.0	.157	.078	.022	.141	.070	.020	.112	.057	.016	.084	.043	.013	.058	.030	.009	
8.0	.148	.072	.020	.134	.066	.019	.106	.053	.015	.080	.041	.012	.056	.029	.008	
9.0	.140	.068	.019	.126	.062	.017	.101	.050	.014	.077	.038	.011	.054	.027	.008	
10.0	.133	.064	.018	.120	.058	.016	.096	.047	.013	.073	.036	.010	.052	.026	.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	.671	.671	.671	.573	.573	.573	.391	.391	.391	.225	.225	.225	.072	.072	.072	
1.0	.659	.641	.624	.564	.550	.537	.386	.378	.372	.222	.219	.216	.071	.070	.070	
2.0	.650	.620	.594	.557	.533	.514	.381	.369	.358	.220	.215	.210	.071	.069	.068	
3.0	.642	.604	.574	.550	.521	.497	.378	.362	.349	.218	.211	.206	.070	.069	.067	
4.0	.634	.592	.559	.544	.511	.486	.374	.356	.342	.217	.209	.202	.070	.068	.067	
5.0	.628	.582	.549	.539	.504	.478	.371	.352	.337	.215	.207	.200	.069	.067	.066	
6.0	.622	.575	.541	.534	.498	.471	.369	.349	.333	.214	.205	.198	.069	.067	.065	
7.0	.616	.569	.535	.530	.493	.467	.366	.346	.331	.213	.204	.197	.069	.067	.065	
8.0	.611	.564	.531	.526	.489	.463	.364	.343	.328	.212	.202	.196	.068	.066	.065	
9.0	.606	.559	.528	.522	.485	.460	.362	.341	.327	.211	.202	.195	.068	.066	.065	
10.0	.602	.556	.525	.519	.482	.458	.360	.339	.325	.210	.201	.194	.068	.066	.064	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 900*31			SERIAL No.:			
MFR.:					SUR.:3.14*0.448*0.448			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	2H	4.7	5.4	5.6	6.3	7.6	4.5	5.2	5.5	6.2	7.4
	3H	4.3	5.0	5.3	5.9	7.2	4.2	4.8	5.2	5.8	7.1
	4H	4.1	4.7	5.2	5.7	7.0	4.0	4.6	5.0	5.6	6.9
	6H	4.0	4.5	5.0	5.5	6.9	3.8	4.4	4.9	5.4	6.7
	8H	3.9	4.5	5.0	5.5	6.8	3.8	4.3	4.8	5.3	6.7
	12H	3.9	4.4	4.9	5.4	6.8	3.7	4.2	4.8	5.3	6.6
4H	2H	4.2	4.8	5.2	5.8	7.1	4.0	4.6	5.1	5.6	6.9
	3H	3.8	4.3	4.9	5.3	6.7	3.7	4.2	4.7	5.2	6.5
	4H	3.6	4.1	4.7	5.1	6.5	3.5	3.9	4.6	5.0	6.4
	6H	3.5	3.9	4.6	4.9	6.3	3.3	3.7	4.4	4.8	6.2
	8H	3.4	3.8	4.5	4.8	6.3	3.3	3.7	4.4	4.7	6.1
	12H	3.4	3.7	4.5	4.8	6.3	3.3	3.6	4.4	4.7	6.1
8H	4H	3.3	3.7	4.4	4.8	6.2	3.2	3.6	4.3	4.6	6.0
	6H	3.2	3.5	4.3	4.6	6.0	3.1	3.3	4.2	4.4	5.9
	8H	3.1	3.4	4.3	4.5	6.0	3.0	3.3	4.1	4.4	5.9
	12H	3.1	3.4	4.3	4.5	6.0	3.1	3.3	4.2	4.4	5.9
12H	4H	3.2	3.6	4.3	4.6	6.1	3.1	3.4	4.2	4.5	5.9
	6H	3.1	3.3	4.2	4.4	5.9	3.0	3.2	4.1	4.3	5.8
	8H	3.1	3.3	4.2	4.4	5.9	2.9	3.2	4.1	4.3	5.8
Variations with the observer position at spacings:											
S = 1.0H	+ 2.2 / - 5.7					+ 2.4 / - 6.2					
1.5H	+ 3.1 / - 4.2					+ 3.5 / - 4.3					
2.0H	+ 4.9 / - 7.7					+ 4.7 / - 6.8					

CIE Pub.117, 10879 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.3$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 900*31	SERIAL No.:
MFR.:	SUR.:3.14*0.448*0.448	Shielding Angle:

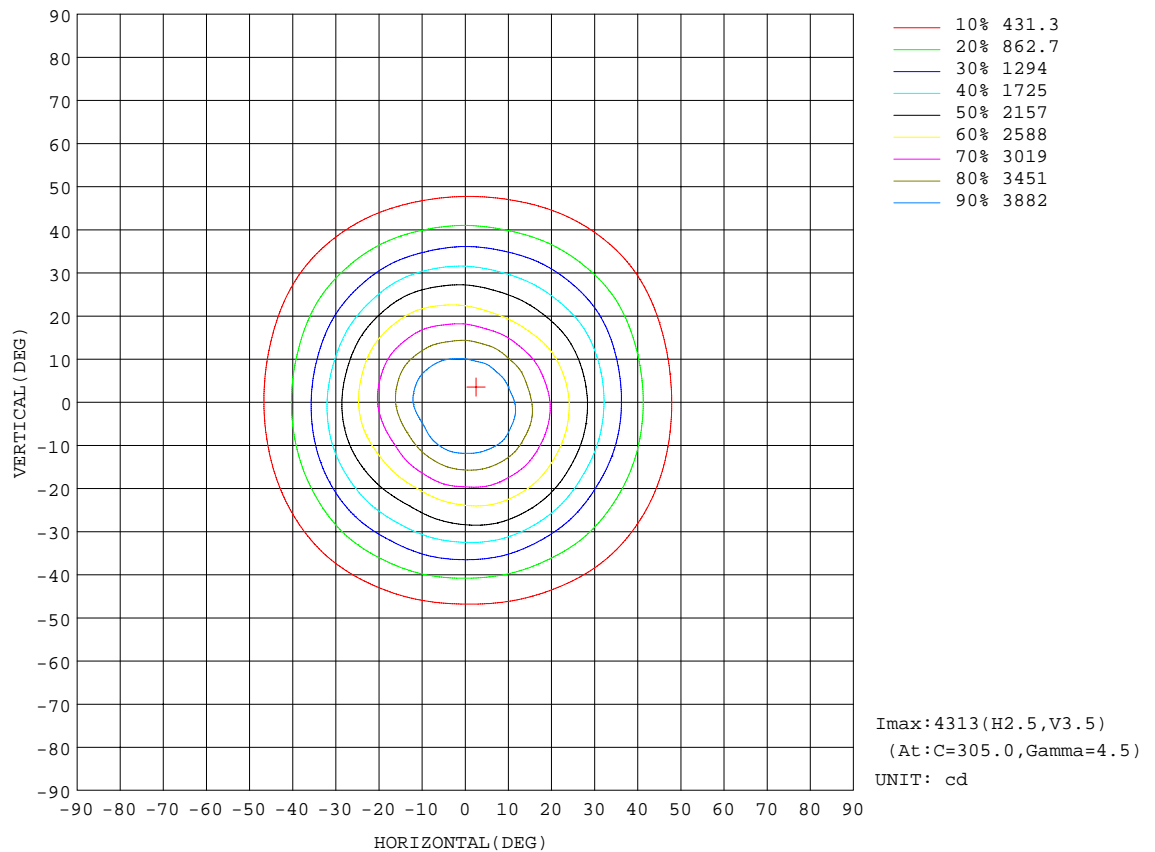
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	40	35	46	38	34	41	35	31	24
0.80	58	48	42	54	46	41	47	41	37	27
1.00	64	55	49	60	52	46	51	46	42	29
1.25	71	61	55	65	57	52	55	50	46	31
1.50	75	66	60	69	62	56	58	53	49	32
2.00	81	73	67	74	68	63	62	58	54	33
2.50	85	78	72	78	72	67	64	60	57	34
3.00	88	81	76	80	75	70	66	63	60	35
4.00	92	86	82	83	79	75	68	66	63	35
5.00	94	89	85	85	82	78	70	67	65	36
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:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 900*31	SERIAL No.:
MFR.:	SUR.:3.14*0.448*0.448	Shielding Angle:

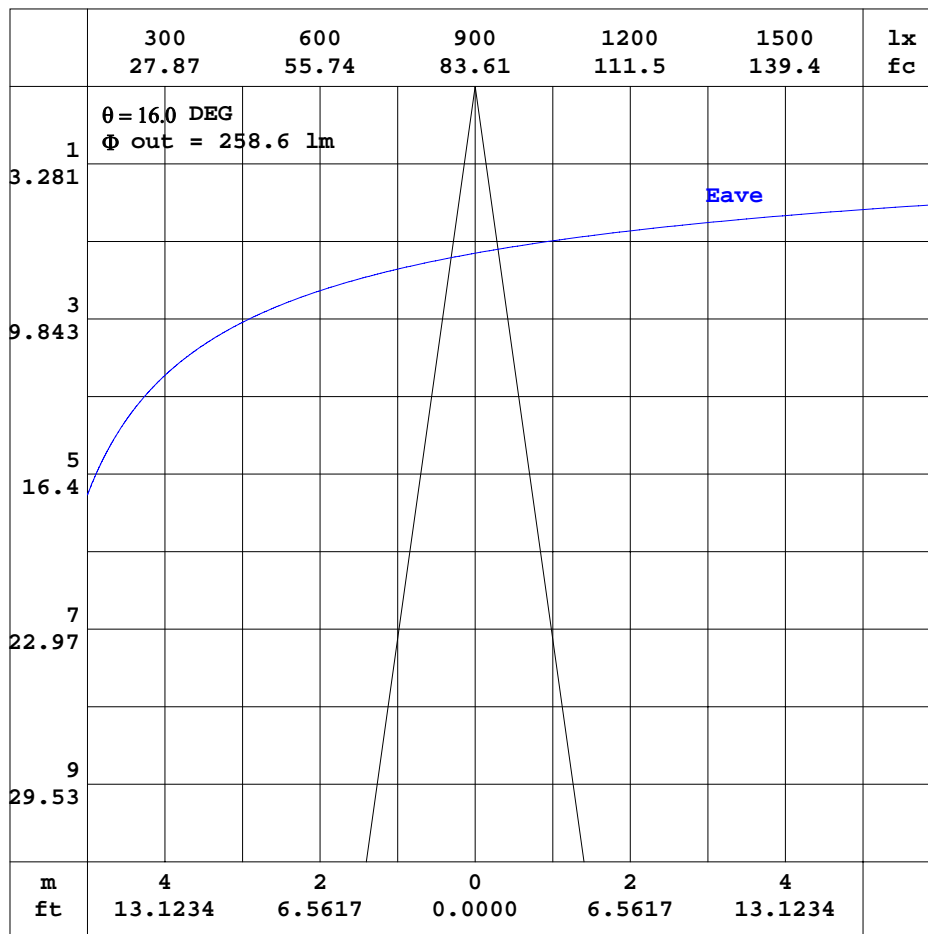


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 900*31	SERIAL No.:
MFR.:	SUR.:3.14*0.448*0.448	Shielding Angle:



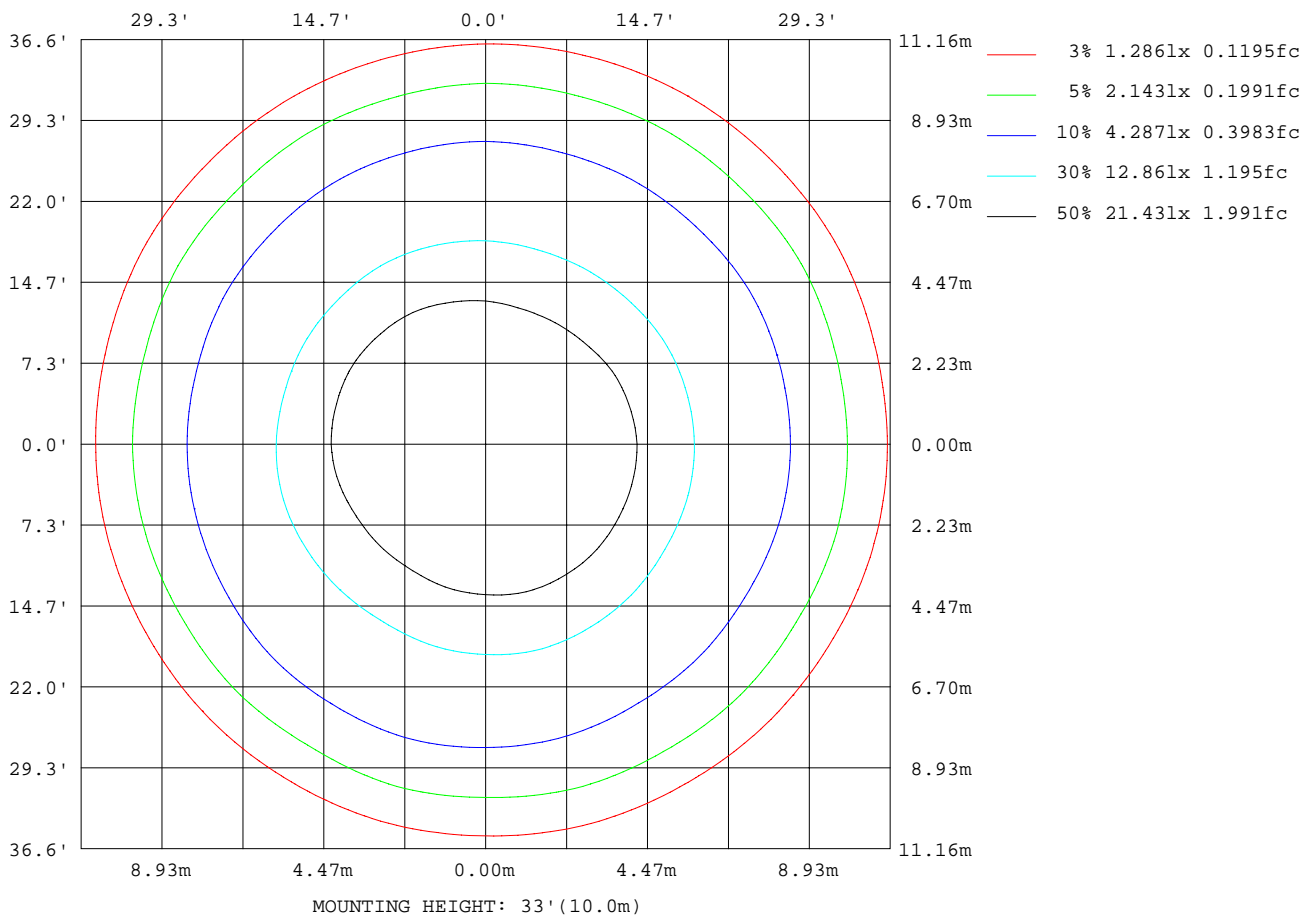
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 900*31	SERIAL No.:
MFR.:	SUR.:3.14*0.448*0.448	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 900*31	SERIAL No.:
MFR.:	SUR.:3.14*0.448*0.448	Shielding Angle:

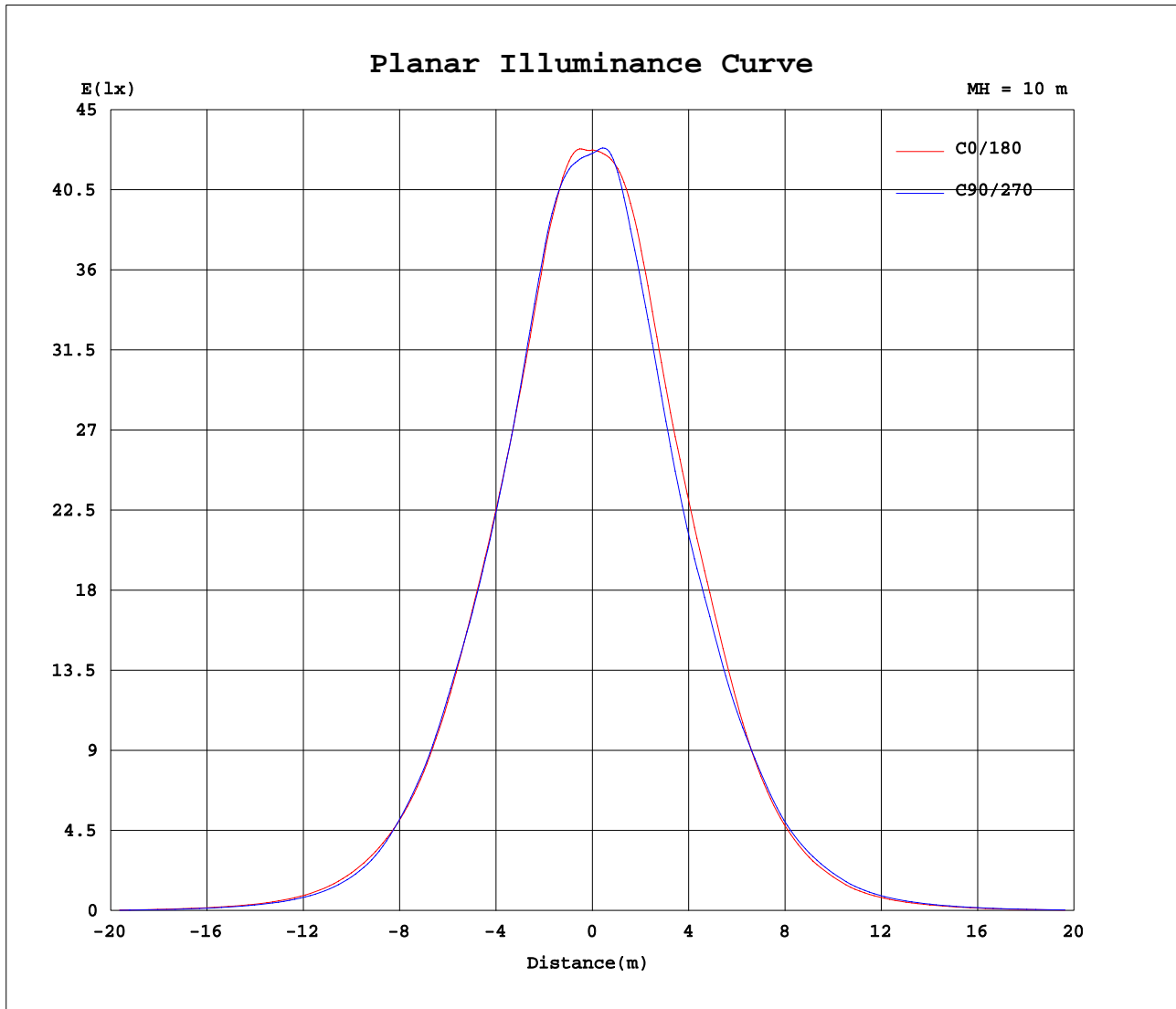
AvgL	cd/m2
L_0~180(65)av	86
L_0~180(75)av	106
L_0~180(85)av	404
L_90~270(65)av	87
L_90~270(75)av	107
L_90~270(85)av	391
L_45(65)av	92
L_45(75)av	107
L_45(85)av	388

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-03-25

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: 2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 900*31						SERIAL No.:		
MFR.:									SUR.:3.14*0.448*0.448						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	4274	4273	4271	4270	4268	4267	4265	4264	4264	4263	4261	4260	4258	4258	4259	4259	4257	4256	4255
5	4285	4283	4282	4281	4280	4278	4277	4273	4269	4264	4259	4255	4251	4246	4242	4239	4236	4233	4231
10	4018	4037	4052	4064	4070	4074	4078	4089	4100	4107	4099	4089	4077	4074	4072	4070	4062	4054	4049
15	3495	3519	3536	3548	3551	3551	3552	3565	3578	3589	3586	3579	3572	3572	3572	3571	3560	3547	3535
20	2986	2994	3001	3006	3009	3011	3014	3022	3031	3037	3035	3030	3026	3028	3030	3029	3014	2997	2981
25	2502	2509	2514	2516	2514	2512	2512	2520	2530	2540	2542	2541	2540	2543	2543	2540	2524	2504	2481
30	1970	1973	1972	1970	1961	1953	1948	1958	1972	1987	1997	2005	2013	2026	2036	2042	2033	2019	2002
35	1418	1412	1405	1396	1381	1367	1358	1362	1371	1383	1391	1400	1410	1428	1445	1458	1458	1454	1447
40	962	960	956	950	940	929	920	919	920	922	918	914	913	921	930	940	942	943	943
45	601	604	604	601	592	582	572	571	571	570	563	556	550	552	555	557	550	542	536
50	330	330	329	327	323	319	316	313	312	309	305	301	297	296	295	295	293	291	289
55	172	173	173	172	170	168	165	165	164	164	161	157	154	154	154	154	153	151	150
60	73.5	74.2	74.3	73.9	72.5	70.9	69.4	69.0	68.6	68.1	66.3	64.3	62.4	61.6	61.0	60.3	58.9	57.5	56.4
65	22.0	21.5	21.1	20.6	20.0	19.4	19.0	19.0	19.2	19.2	18.5	17.8	17.1	16.8	16.6	16.5	16.3	16.3	16.3
70	10.2	8.72	7.51	6.60	6.04	5.73	5.64	5.72	5.94	6.24	6.55	6.90	7.27	7.66	8.05	8.42	8.71	8.96	9.20
75	13.4	10.5	8.21	6.56	5.73	5.41	5.45	5.56	5.87	6.33	6.98	7.68	8.36	8.86	9.28	9.65	9.98	10.3	10.5
80	18.4	14.3	11.1	8.76	7.61	7.13	7.08	7.00	7.12	7.44	8.00	8.68	9.45	10.2	11.0	11.7	12.1	12.5	12.8
85	14.4	11.1	8.71	7.12	6.71	6.87	7.33	7.49	7.69	7.91	7.99	8.20	8.66	9.91	11.3	12.6	13.3	13.8	14.2
90	0.46	0.45	0.44	0.44	0.45	0.46	0.49	0.53	0.58	0.64	0.69	0.73	0.76	0.72	0.67	4.94	0.61	0.62	0.63
95	22.6	23.0	23.3	23.5	23.3	23.2	23.3	23.9	24.7	25.5	26.1	26.7	27.1	27.3	27.4	27.5	28.0	28.3	28.5
100	130	132	132	132	131	130	129	130	130	132	135	138	140	138	135	132	131	130	129
105	352	356	359	361	361	361	359	359	358	357	357	358	357	353	348	344	342	341	340
110	622	622	622	622	623	623	623	620	617	615	618	622	624	619	612	605	600	596	592
115	875	875	875	876	876	877	876	872	868	864	866	869	870	864	857	850	845	841	838
120	1117	1115	1115	1115	1118	1121	1123	1120	1115	1111	1109	1107	1104	1097	1089	1082	1078	1075	1072
125	1340	1337	1335	1335	1338	1341	1344	1340	1335	1331	1331	1331	1330	1321	1311	1301	1296	1294	1292
130	1541	1537	1536	1535	1538	1541	1543	1543	1542	1540	1537	1533	1529	1522	1515	1509	1507	1505	1504
135	1721	1717	1715	1714	1716	1719	1721	1721	1720	1718	1718	1717	1714	1707	1700	1693	1690	1689	1688
140	1880	1875	1873	1871	1873	1875	1878	1877	1876	1875	1876	1876	1876	1873	1869	1865	1863	1861	1860
145	2017	2013	2009	2008	2009	2011	2013	2012	2011	2010	2011	2011	2011	2009	2006	2004	2004	2004	2003
150	2135	2130	2127	2125	2125	2127	2129	2128	2127	2126	2127	2127	2127	2126	2124	2122	2122	2122	2122
155	2233	2228	2224	2222	2222	2224	2225	2225	2224	2223	2223	2224	2224	2223	2221	2220	2220	2220	2220
160	2312	2307	2303	2301	2301	2302	2303	2303	2302	2301	2302	2302	2302	2301	2300	2299	2299	2300	2300
165	2373	2368	2364	2361	2361	2362	2364	2363	2362	2362	2362	2363	2363	2363	2362	2361	2361	2362	2362
170	2417	2412	2408	2405	2405	2405	2407	2406	2406	2406	2406	2406	2406	2407	2406	2406	2406	2406	2407
175	2443	2437	2433	2431	2430	2431	2432	2432	2432	2432	2432	2432	2433	2433	2433	2433	2433	2433	2434
180	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 900*31					SERIAL No.:				
MFR.:									SUR.:3.14*0.448*0.448					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	4255	4255	4255	4254	4253	4252	4252	4252	4252	4251	4251	4250	4249	4248	4250	4258	4267	4274	4275
5	4228	4226	4225	4225	4226	4228	4230	4232	4233	4229	4225	4222	4221	4221	4225	4234	4244	4254	4255
10	4057	4066	4075	4073	4069	4061	4053	4043	4031	4013	3997	3985	3989	3999	4014	4031	4049	4064	4071
15	3530	3525	3520	3508	3496	3485	3479	3475	3471	3465	3462	3462	3474	3491	3511	3535	3557	3576	3584
20	2979	2978	2975	2959	2940	2924	2920	2920	2921	2917	2915	2918	2936	2958	2983	3010	3035	3055	3061
25	2459	2437	2414	2389	2368	2353	2355	2364	2379	2393	2411	2432	2461	2490	2518	2538	2553	2563	2564
30	1989	1976	1961	1939	1919	1904	1905	1911	1921	1929	1939	1950	1965	1979	1991	1993	1991	1984	1970
35	1443	1437	1429	1413	1397	1384	1385	1390	1396	1399	1400	1401	1402	1402	1400	1392	1383	1373	1365
40	949	955	957	948	936	925	923	922	919	908	896	885	883	883	885	886	887	888	886
45	538	540	542	533	523	514	515	518	521	518	515	512	515	520	525	530	534	537	534
50	290	292	293	291	290	288	288	287	287	284	282	279	279	280	281	282	284	286	286
55	150	151	151	151	149	148	148	148	148	147	146	145	146	147	148	150	152	153	153
60	56.5	57.0	57.5	57.4	57.2	57.1	57.5	57.9	58.2	57.8	57.4	57.3	58.5	59.9	61.4	62.3	63.1	63.8	64.3
65	16.8	17.4	18.0	18.3	18.6	18.9	19.4	19.7	20.0	20.1	20.1	20.2	20.6	21.2	21.9	22.7	23.4	24.0	24.3
70	9.43	9.67	9.92	10.2	10.5	10.9	11.5	12.1	12.8	13.6	14.4	15.2	16.0	16.7	17.3	17.6	17.8	17.8	17.7
75	10.7	10.8	11.1	11.5	12.1	12.8	13.9	15.1	16.4	17.6	18.6	19.5	20.0	20.4	20.7	21.0	21.2	21.3	20.9
80	13.0	13.1	13.4	13.8	14.4	15.5	17.8	20.3	22.7	24.2	25.3	26.1	26.8	27.2	27.4	27.4	27.3	26.9	26.0
85	14.7	15.3	15.8	16.0	16.3	16.9	18.0	19.5	21.3	23.9	26.6	29.0	30.3	31.0	31.3	31.2	30.7	30.0	29.0
90	0.62	0.62	4.70	0.65	0.67	0.70	0.69	0.68	0.68	0.67	0.68	0.72	0.85	0.99	1.10	1.10	1.07	4.16	0.98
95	28.2	27.6	26.9	26.4	25.9	25.3	24.8	24.2	23.5	22.4	21.3	20.5	20.7	21.0	21.4	21.1	20.7	20.1	19.5
100	127	124	123	123	123	120	117	113	111	108	107	107	107	107	107	106	105	103	101
105	339	337	336	335	334	332	326	319	313	310	309	309	309	309	308	307	304	302	299
110	589	586	584	587	590	592	587	580	575	574	575	577	576	576	575	575	574	573	571
115	835	833	832	835	838	839	835	830	826	826	827	828	826	825	824	824	825	824	821
120	1070	1067	1067	1070	1074	1077	1076	1075	1073	1075	1077	1077	1074	1070	1067	1068	1069	1070	1066
125	1290	1288	1288	1293	1299	1303	1302	1300	1298	1299	1301	1302	1299	1295	1291	1292	1293	1294	1292
130	1503	1502	1502	1503	1505	1507	1508	1509	1510	1510	1509	1507	1503	1499	1496	1496	1498	1499	1497
135	1685	1683	1682	1687	1693	1698	1697	1696	1693	1692	1692	1690	1687	1683	1680	1680	1681	1682	1680
140	1859	1858	1857	1859	1860	1861	1859	1856	1853	1853	1852	1852	1849	1846	1843	1843	1844	1845	1842
145	2001	1999	1997	1998	1999	1999	1997	1995	1993	1992	1992	1992	1990	1987	1985	1986	1987	1987	1984
150	2120	2118	2116	2117	2117	2117	2116	2114	2112	2112	2112	2112	2110	2108	2107	2108	2108	2109	2106
155	2219	2217	2216	2216	2216	2216	2215	2213	2212	2212	2213	2213	2212	2210	2209	2210	2211	2211	2208
160	2299	2298	2297	2297	2297	2297	2296	2295	2294	2294	2295	2295	2294	2294	2293	2294	2295	2294	2291
165	2361	2361	2360	2360	2360	2360	2360	2359	2358	2359	2359	2359	2359	2358	2358	2359	2360	2360	2356
170	2406	2406	2405	2406	2406	2407	2406	2406	2405	2406	2406	2407	2406	2406	2406	2407	2408	2408	2404
175	2434	2434	2434	2434	2434	2435	2435	2435	2435	2435	2436	2436	2436	2436	2437	2438	2438	2438	2434
180	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 900*31	SERIAL No.:
MFR.:	SUR.:3.14*0.448*0.448	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	4273	4270	4268	4267	4265	4264	4264	4263	4261	4260	4258	4258	4259	4259	4257	4256	4255	4255	4255
5	4255	4254	4254	4255	4255	4253	4251	4249	4249	4250	4250	4248	4246	4246	4252	4259	4268	4274	4280
10	4074	4074	4074	4072	4065	4051	4034	4016	4003	3990	3977	3958	3939	3921	3907	3895	3885	3874	3866
15	3587	3587	3591	3591	3586	3568	3545	3521	3505	3489	3472	3447	3422	3400	3389	3381	3375	3363	3353
20	3063	3061	3065	3066	3062	3046	3026	3005	2993	2979	2962	2933	2901	2871	2851	2833	2816	2789	2765
25	2562	2559	2563	2566	2565	2553	2537	2521	2512	2502	2489	2465	2438	2412	2395	2380	2366	2345	2326
30	1955	1941	1940	1940	1941	1933	1925	1918	1923	1928	1932	1924	1913	1900	1890	1879	1868	1853	1839
35	1359	1356	1360	1365	1371	1369	1368	1367	1375	1384	1392	1391	1389	1387	1394	1401	1406	1403	1398
40	884	885	893	902	911	912	912	912	919	927	934	934	933	931	934	936	937	932	926
45	531	531	539	549	557	556	554	552	559	568	576	576	576	576	582	588	594	593	591
50	287	289	293	298	302	303	303	303	306	309	312	313	314	316	319	322	325	327	328
55	153	153	155	158	161	161	161	161	163	165	166	167	167	168	170	172	174	174	174
60	64.8	65.5	66.9	68.4	69.9	70.5	70.9	71.3	72.1	72.8	73.3	73.1	72.8	72.8	73.9	75.3	76.7	77.3	77.8
65	24.4	24.6	25.0	25.4	25.9	26.3	26.6	27.0	27.6	28.1	28.5	28.4	28.2	28.1	28.7	29.5	30.3	30.9	31.3
70	17.5	17.3	17.4	17.5	17.7	17.9	18.0	18.3	18.9	19.6	20.2	20.6	20.9	21.1	21.1	21.0	21.0	21.4	21.9
75	20.4	20.0	20.1	20.4	20.9	21.5	22.1	22.9	23.7	24.4	25.2	25.8	26.3	26.4	25.9	25.2	24.6	24.3	24.2
80	25.2	24.4	24.3	24.5	24.9	25.5	26.4	27.5	29.1	30.6	32.0	32.5	32.6	32.3	31.4	30.3	29.2	28.5	28.1
85	27.8	26.7	25.9	25.3	25.0	25.5	26.3	27.2	27.8	28.4	29.0	30.0	30.9	31.5	30.7	29.7	28.8	29.0	29.5
90	0.95	0.93	0.91	0.90	0.89	0.87	0.85	0.83	0.83	0.83	0.83	0.83	0.82	0.82	0.81	0.81	0.81	0.81	0.81
95	18.8	18.0	17.0	16.0	15.2	14.8	14.6	14.5	14.2	13.8	13.6	13.4	13.4	13.3	13.3	13.3	13.3	13.6	13.8
100	99.4	97.5	95.2	93.0	91.3	90.5	90.3	90.4	90.8	91.2	91.7	92.0	92.2	92.2	91.6	91.2	91.4	93.4	96.2
105	295	292	289	287	285	286	286	288	287	287	287	289	292	294	294	294	295	300	305
110	568	565	560	556	553	553	555	558	559	560	561	561	561	560	556	554	554	561	570
115	818	814	809	805	803	806	811	816	818	819	818	819	819	818	814	810	809	815	824
120	1060	1055	1052	1051	1051	1055	1059	1064	1064	1064	1064	1064	1065	1065	1061	1058	1057	1063	1071
125	1289	1286	1283	1281	1280	1282	1286	1290	1290	1290	1289	1290	1291	1291	1289	1286	1286	1291	1298
130	1494	1490	1488	1486	1486	1488	1492	1495	1495	1494	1494	1495	1497	1498	1496	1495	1494	1499	1505
135	1677	1674	1672	1671	1671	1673	1676	1679	1679	1678	1677	1679	1681	1683	1682	1681	1680	1685	1689
140	1839	1836	1834	1833	1833	1836	1838	1841	1840	1840	1840	1841	1843	1845	1845	1845	1845	1848	1852
145	1981	1977	1976	1975	1975	1977	1979	1981	1981	1981	1981	1983	1985	1987	1987	1987	1987	1990	1994
150	2102	2099	2098	2097	2097	2099	2100	2102	2102	2102	2102	2104	2106	2108	2108	2108	2109	2111	2114
155	2204	2200	2199	2199	2199	2200	2202	2203	2203	2203	2203	2205	2207	2209	2209	2209	2210	2212	2215
160	2287	2284	2282	2282	2283	2284	2285	2286	2286	2286	2287	2288	2290	2291	2292	2292	2293	2294	2296
165	2352	2349	2348	2347	2348	2349	2350	2351	2351	2351	2351	2353	2354	2355	2356	2356	2356	2358	2359
170	2400	2396	2395	2395	2396	2397	2397	2398	2398	2399	2399	2400	2401	2402	2402	2403	2403	2404	2405
175	2430	2426	2426	2426	2427	2427	2427	2428	2428	2428	2429	2429	2430	2431	2431	2431	2432	2433	2433
180	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-03-25

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:229.77V I:0.3400A P:74.727W PF:0.9562 Freq:49.99Hz Lamp Flux:10878.6x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 900*31						SERIAL No.:		
MFR.:									SUR.:3.14*0.448*0.448						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	4255	4254	4253	4252	4252	4252	4252	4251	4251	4250	4249	4248	4250	4255	4263				
5	4286	4295	4302	4308	4309	4307	4304	4300	4296	4291	4283	4276	4271	4272	4277				
10	3863	3871	3882	3893	3891	3889	3888	3899	3912	3925	3929	3934	3942	3961	3986				
15	3346	3351	3360	3369	3369	3370	3373	3388	3405	3421	3425	3429	3435	3450	3470				
20	2745	2743	2747	2756	2763	2773	2789	2816	2846	2875	2894	2911	2927	2946	2966				
25	2310	2305	2305	2309	2314	2323	2337	2360	2386	2411	2429	2445	2460	2475	2489				
30	1828	1826	1828	1834	1838	1846	1856	1876	1897	1916	1928	1936	1944	1953	1962				
35	1395	1400	1406	1413	1417	1420	1425	1437	1448	1457	1453	1445	1435	1429	1423				
40	921	924	928	932	933	934	936	946	957	966	965	962	958	958	959				
45	589	592	596	600	600	600	600	606	611	615	611	605	599	597	598				
50	329	332	335	337	337	338	337	339	339	339	336	333	330	329	329				
55	174	176	178	179	179	178	177	178	179	180	178	176	174	173	172				
60	78.2	79.3	80.2	80.8	80.3	79.5	78.7	78.7	78.8	78.6	77.3	75.9	74.5	73.8	73.5				
65	31.7	31.9	32.0	32.0	31.9	31.8	31.5	31.2	30.7	30.0	28.9	27.6	26.2	24.8	23.4				
70	22.3	22.4	22.4	22.2	21.9	21.5	21.0	20.7	20.2	19.7	19.0	18.0	16.7	14.9	12.8				
75	24.2	24.4	24.6	24.7	24.7	24.5	24.3	24.4	24.4	24.1	23.5	22.5	21.1	19.1	16.5				
80	27.7	27.4	27.3	27.3	27.5	27.9	28.2	28.6	28.8	28.7	28.4	27.7	26.5	24.4	21.7				
85	30.0	30.0	29.8	29.6	29.3	29.1	29.0	29.3	29.7	29.9	29.9	29.3	27.8	24.6	20.1				
90	0.81	0.80	0.79	0.79	0.80	0.81	0.82	0.81	0.81	0.81	0.83	0.83	0.82	0.74	0.62				
95	14.2	14.5	14.9	15.4	16.3	17.3	18.1	18.4	18.7	19.0	20.0	21.1	22.0	22.5	22.7				
100	99.3	102	105	108	110	111	113	114	115	116	119	122	125	127	129				
105	311	313	315	316	318	320	322	324	326	328	333	338	343	347	350				
110	579	584	589	592	596	599	601	601	600	600	603	608	613	617	620				
115	833	839	843	847	849	850	851	850	850	851	857	863	870	873	875				
120	1079	1084	1088	1092	1097	1100	1103	1100	1097	1095	1099	1104	1110	1113	1116				
125	1306	1310	1314	1317	1321	1325	1328	1328	1327	1326	1329	1334	1338	1339	1340				
130	1511	1514	1517	1519	1524	1528	1531	1531	1530	1529	1533	1536	1540	1541	1541				
135	1695	1697	1699	1701	1705	1709	1712	1712	1712	1712	1714	1718	1720	1721	1722				
140	1856	1858	1860	1861	1865	1868	1871	1871	1871	1871	1874	1877	1880	1881	1881				
145	1997	1998	1999	2001	2004	2007	2009	2010	2010	2010	2012	2015	2017	2018	2018				
150	2117	2118	2119	2120	2122	2125	2127	2128	2128	2129	2131	2133	2135	2136	2136				
155	2217	2218	2218	2219	2221	2223	2225	2226	2226	2227	2229	2231	2233	2233	2233				
160	2298	2298	2299	2300	2302	2303	2305	2306	2306	2307	2308	2310	2311	2312	2312				
165	2361	2362	2362	2363	2364	2366	2367	2368	2368	2368	2370	2371	2372	2373	2373				
170	2407	2407	2407	2408	2409	2410	2411	2412	2412	2413	2414	2415	2416	2417	2417				
175	2434	2435	2435	2436	2436	2437	2438	2438	2439	2439	2440	2441	2442	2442	2443				
180	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-03-25

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: