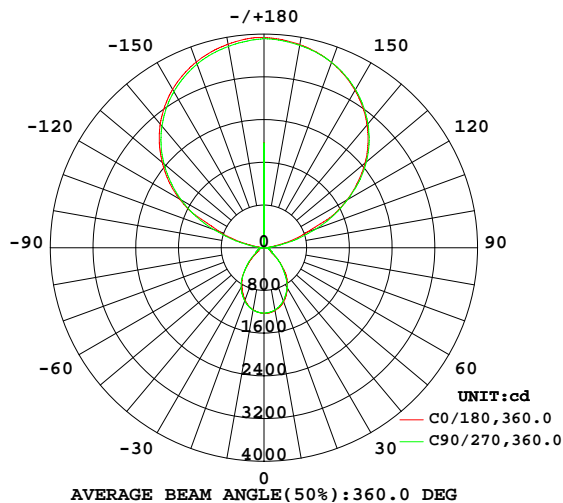


LUMINAIRE PHOTOMETRIC TEST REPORT

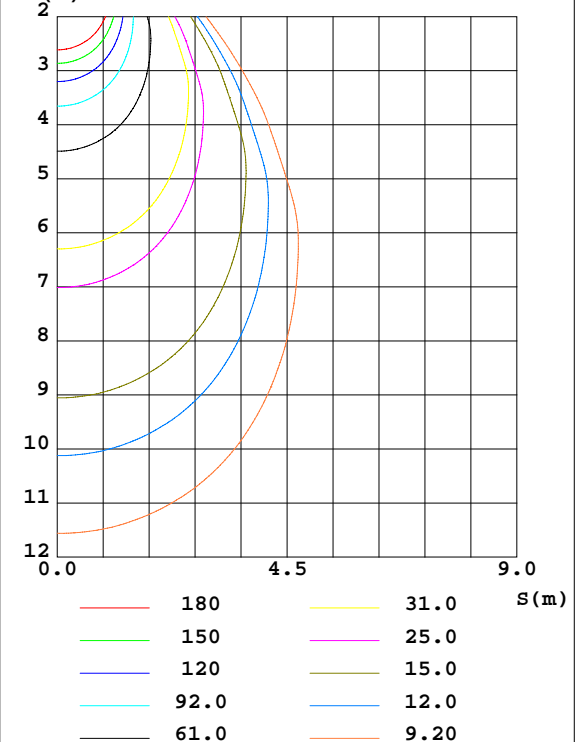
Test:U:229.77V I:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	SUR.:0.71*0.191	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.88 lm/W			
MODEL		Imax(cd)	3940	S/MH(C0/180)	1.05
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.08
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	13279	η UP,DN(C0-180)	42.2,8.1
NOMINAL FLUX(lm)	13278.6	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	41.7,8.0
LAMPS INSIDE	1	η up(%)	83.9	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	16.1	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:2024-09-24

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:

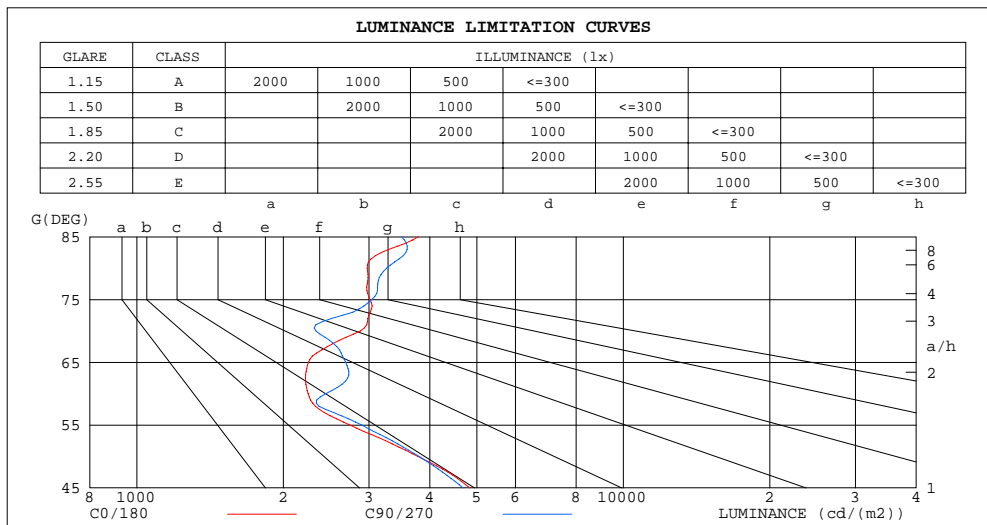
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1195	1192	1184	1177	1180	1180	1185	1187	0- 10	115.0	115.0	0.87,0.87
20	1077	1072	1059	1046	1043	1042	1058	1065	10- 20	318.0	433.0	3.26,3.26
30	871.5	866.8	866.6	835.7	830.5	829.1	859.6	860.4	20- 30	440.9	873.9	6.58,6.58
40	629.5	626.7	583.3	598.1	566.5	585.1	567.2	619.9	30- 40	456.0	1330	10,10
50	329.9	353.5	331.5	333.7	283.5	313.3	321.8	345.7	40- 50	350.3	1680	12.7,12.7
60	152.6	122.5	165.8	114.8	129.2	96.66	169.5	133.3	50- 60	207.7	1888	14.2,14.2
70	133.5	60.63	108.2	71.70	121.9	64.85	118.5	74.95	60- 70	121.4	2009	15.1,15.1
80	70.08	63.00	76.76	60.09	59.73	59.63	86.62	70.46	70- 80	85.29	2095	15.8,15.8
90	6.074	4.699	2.474	0.8849	1.271	1.289	1.649	4.708	80- 90	41.75	2136	16.1,16.1
100	201.8	233.5	308.2	229.6	206.6	224.9	285.8	229.6	90-100	79.52	2216	16.7,16.7
110	870.2	946.8	1037	961.0	889.1	958.6	1003	962.1	100-110	596.5	2812	21.2,21.2
120	1798	1747	1809	1760	1824	1731	1790	1732	110-120	1359	4172	31.4,31.4
130	2470	2445	2500	2459	2486	2426	2443	2423	120-130	1907	6078	45.8,45.8
140	3003	2992	3028	3012	3023	2972	2973	2972	130-140	2115	8193	61.7,61.7
150	3409	3397	3424	3420	3424	3378	3376	3385	140-150	2010	10203	76.8,76.8
160	3695	3679	3696	3699	3704	3663	3661	3674	150-160	1639	11842	89.2,89.2
170	3863	3837	3850	3859	3872	3831	3830	3843	160-170	1067	12908	97.2,97.2
180	3937	3937	3937	3937	3937	3937	3937	3937	170-180	370.1	13279	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:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	SUR.:0.71*0.191	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3786	3498
80	2976	3260
75	3014	3039
70	2879	2332
65	2253	2688
60	2250	2445
55	2741	2900
50	3784	3804
45	4836	4686

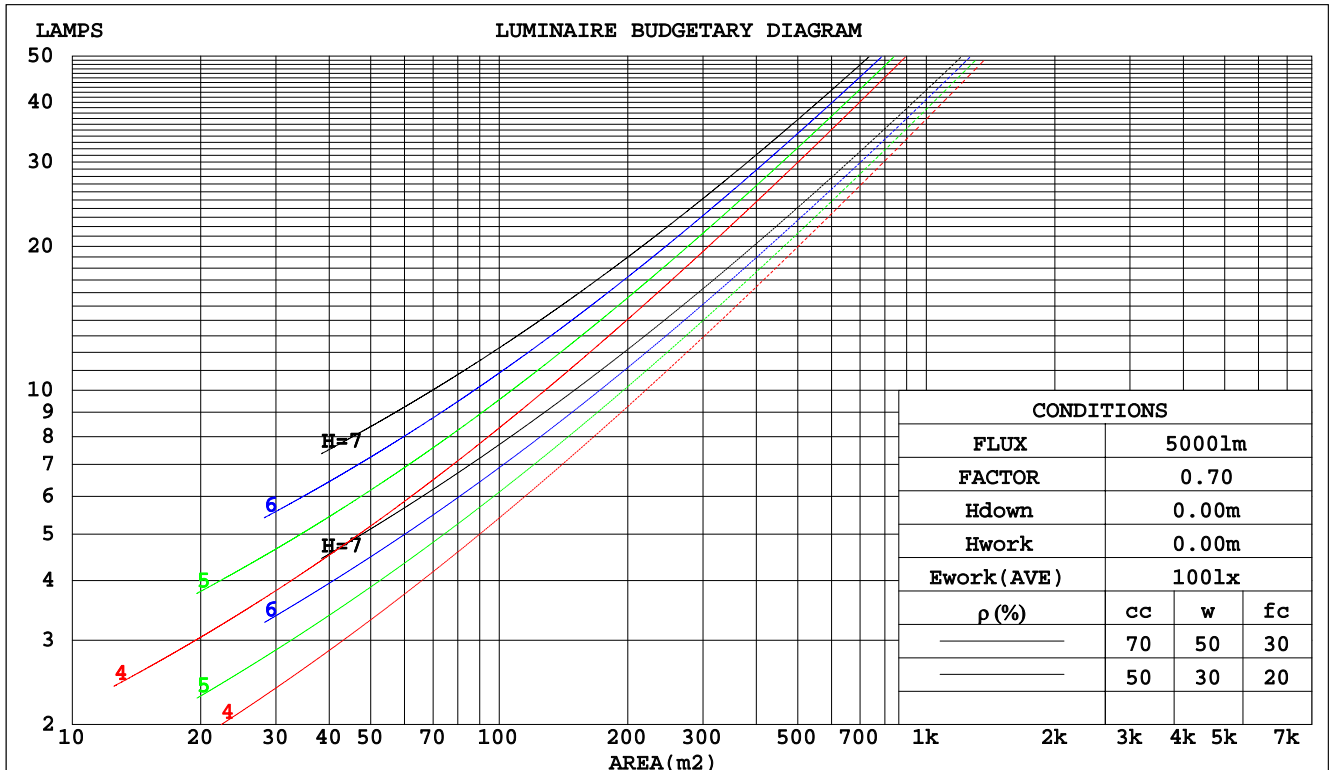
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	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	.87	.87	.87	.64	.64	.64	.44	.44	.44	.25	.25	.25	.16
1.0	.86	.83	.80	.76	.73	.70	.57	.55	.53	.39	.38	.37	.22	.22	.21	.14
2.0	.76	.70	.65	.67	.62	.58	.50	.47	.44	.34	.33	.31	.20	.19	.19	.12
3.0	.67	.60	.55	.59	.53	.49	.44	.41	.38	.31	.28	.27	.18	.17	.16	.11
4.0	.59	.52	.46	.52	.46	.42	.39	.35	.32	.27	.25	.23	.16	.15	.14	.10
5.0	.53	.45	.40	.47	.40	.36	.35	.31	.28	.25	.22	.20	.15	.14	.13	.09
6.0	.47	.40	.34	.42	.36	.31	.32	.27	.24	.22	.20	.18	.14	.12	.11	.08
7.0	.42	.35	.30	.38	.31	.27	.29	.24	.21	.20	.18	.16	.12	.11	.10	.07
8.0	.38	.31	.26	.34	.28	.24	.26	.22	.19	.19	.16	.14	.11	.10	.09	.06
9.0	.35	.28	.23	.31	.25	.21	.24	.20	.17	.17	.14	.12	.11	.09	.08	.06
10.0	.32	.25	.21	.29	.23	.19	.22	.18	.15	.16	.13	.11	.10	.08	.07	.05



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 760*240*31			SERIAL No.:		
MFR.: A238-K4584-01			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	.258	.147	.047	.226	.129	.041	.166	.095	.030	.110	.063	.020	.059	.034	.011	
2.0	.238	.130	.040	.209	.115	.035	.153	.085	.026	.102	.057	.018	.055	.031	.010	
3.0	.220	.117	.035	.193	.103	.031	.142	.077	.023	.095	.052	.016	.052	.029	.009	
4.0	.204	.106	.031	.179	.094	.028	.132	.070	.021	.089	.048	.014	.048	.026	.008	
5.0	.190	.097	.028	.167	.086	.025	.124	.064	.019	.083	.044	.013	.045	.024	.007	
6.0	.177	.089	.025	.156	.079	.023	.116	.059	.017	.078	.041	.012	.043	.023	.007	
7.0	.166	.082	.023	.146	.073	.021	.109	.055	.016	.073	.038	.011	.040	.021	.006	
8.0	.156	.076	.021	.137	.068	.019	.102	.051	.015	.069	.035	.010	.038	.020	.006	
9.0	.146	.071	.020	.129	.063	.018	.096	.048	.013	.065	.033	.009	.036	.018	.005	
10.0	.138	.066	.018	.122	.059	.016	.091	.045	.013	.062	.031	.009	.034	.017	.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	.830	.830	.830	.709	.709	.709	.484	.484	.484	.278	.278	.278	.089	.089	.089	
1.0	.821	.801	.783	.703	.688	.674	.481	.473	.466	.277	.274	.271	.089	.088	.088	
2.0	.814	.781	.753	.697	.672	.651	.478	.465	.454	.276	.271	.266	.088	.088	.087	
3.0	.807	.766	.734	.692	.661	.636	.475	.459	.446	.274	.268	.263	.088	.087	.086	
4.0	.801	.755	.720	.687	.653	.626	.473	.455	.441	.273	.266	.261	.088	.087	.086	
5.0	.795	.747	.711	.683	.646	.618	.470	.451	.437	.272	.265	.259	.088	.086	.085	
6.0	.789	.740	.704	.679	.641	.613	.468	.448	.434	.272	.264	.258	.088	.086	.085	
7.0	.784	.734	.699	.674	.636	.609	.466	.446	.432	.271	.263	.257	.087	.086	.085	
8.0	.779	.729	.695	.671	.633	.606	.464	.444	.430	.270	.262	.256	.087	.086	.085	
9.0	.774	.725	.692	.667	.629	.604	.462	.442	.429	.269	.261	.256	.087	.086	.085	
10.0	.770	.722	.690	.663	.627	.602	.460	.441	.428	.268	.261	.255	.087	.086	.085	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 760*240*31			SERIAL No.:			
MFR.: A238-K4584-01					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	8.3	9.0	9.5	10.2	11.8	8.2	8.9	9.4	10.1	11.7	
	3H	9.2	9.8	10.4	11.0	12.6	9.2	9.8	10.3	10.9	12.5
	4H	9.8	10.4	11.0	11.5	13.2	9.7	10.3	10.9	11.4	13.1
	6H	10.3	10.9	11.5	12.0	13.7	10.3	10.9	11.5	12.0	13.7
	8H	10.6	11.1	11.8	12.2	13.9	10.6	11.1	11.8	12.3	13.9
	12H	10.8	11.3	12.0	12.4	14.1	10.9	11.3	12.1	12.5	14.1
4H	2H	8.1	8.6	9.3	9.8	11.4	8.0	8.6	9.2	9.7	11.4
	3H	9.1	9.6	10.3	10.7	12.4	9.0	9.5	10.2	10.7	12.3
	4H	9.9	10.3	11.1	11.4	13.1	9.7	10.1	10.9	11.3	12.9
	6H	10.6	11.0	11.8	12.2	13.8	10.5	10.9	11.8	12.1	13.8
	8H	11.0	11.3	12.2	12.5	14.2	11.0	11.3	12.2	12.5	14.2
	12H	11.4	11.7	12.6	12.9	14.6	11.4	11.7	12.6	12.9	14.6
8H	4H	9.8	10.1	11.0	11.3	13.0	9.6	9.9	10.8	11.1	12.8
	6H	10.7	11.0	12.0	12.2	13.9	10.6	10.9	11.9	12.1	13.8
	8H	11.3	11.5	12.5	12.7	14.4	11.2	11.5	12.5	12.7	14.4
	12H	11.9	12.1	13.1	13.3	15.0	11.9	12.1	13.1	13.3	15.0
12H	4H	9.8	10.1	11.0	11.3	13.0	9.6	9.9	10.8	11.1	12.8
	6H	10.7	11.0	12.0	12.2	13.9	10.7	10.9	11.9	12.1	13.8
	8H	11.3	11.5	12.6	12.8	14.5	11.3	11.5	12.6	12.8	14.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.4 / - 0.5					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.6					
2.0H	+ 0.8 / - 0.8					+ 0.8 / - 0.4					

CIE Pub.117, 13279 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:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	SUR.:0.71*0.191	Shielding Angle:

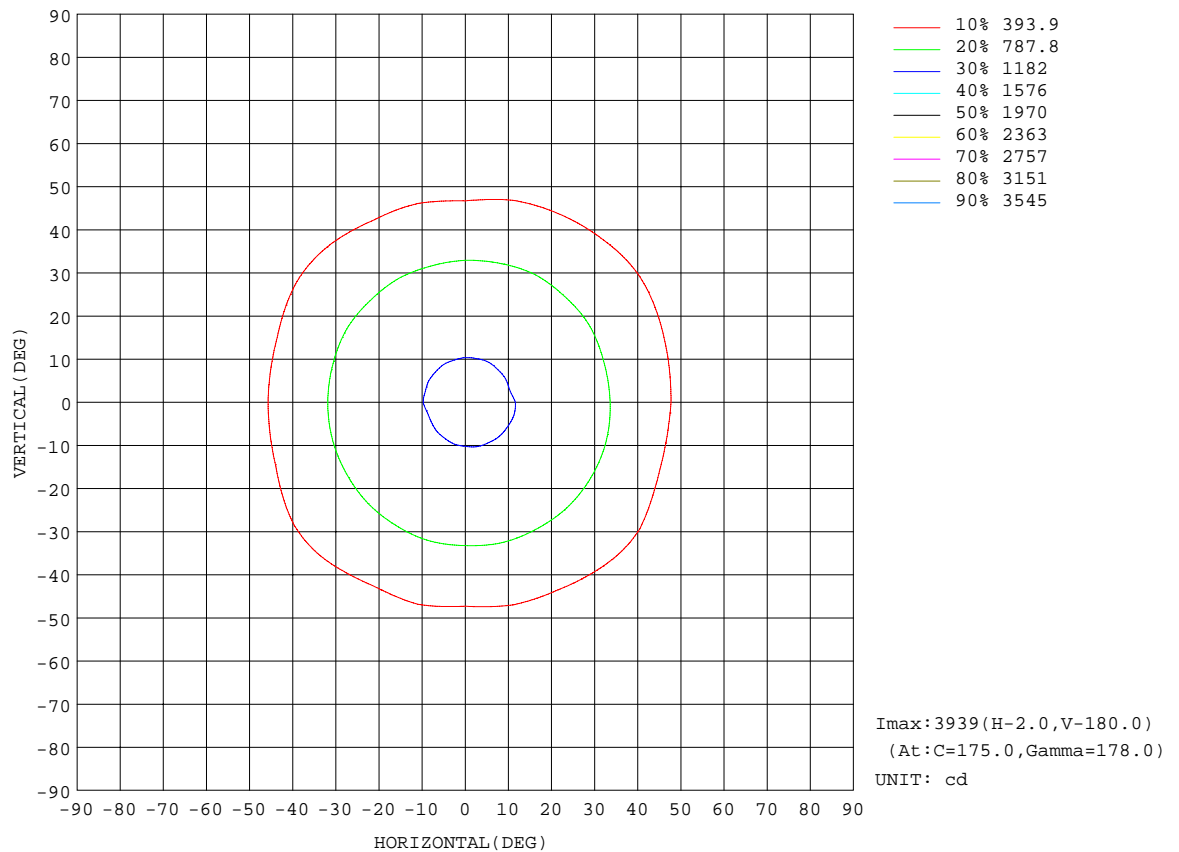
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	36	26	21	33	24	19	26	20	16	8
0.80	45	34	28	41	31	25	32	25	21	9
1.00	53	41	34	47	37	31	36	30	25	10
1.25	59	48	41	53	43	37	40	34	30	11
1.50	64	54	47	57	48	42	43	37	33	12
2.00	72	62	55	63	55	49	48	42	38	13
2.50	76	68	61	67	60	54	50	46	42	13
3.00	80	72	66	70	64	58	52	48	45	14
4.00	84	77	72	74	69	64	55	52	49	14
5.00	87	81	76	76	72	68	57	54	51	15
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:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	SUR.:0.71*0.191	Shielding Angle:

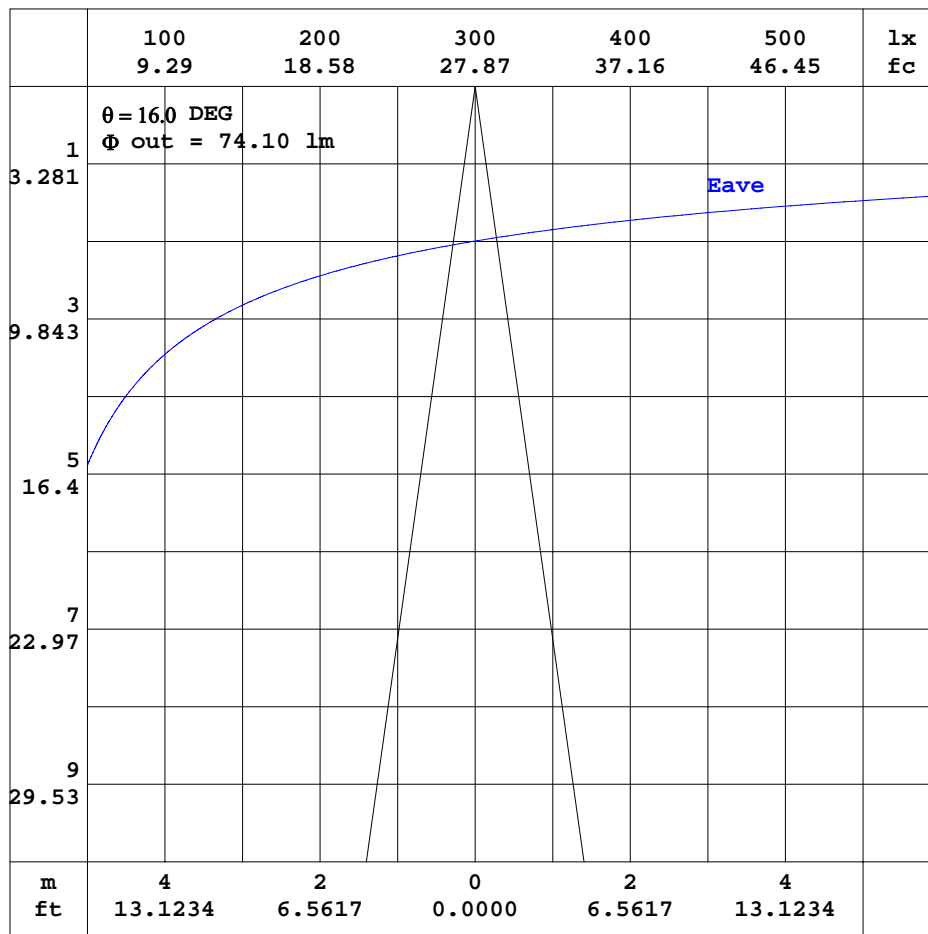


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	SUR.:0.71*0.191	Shielding Angle:



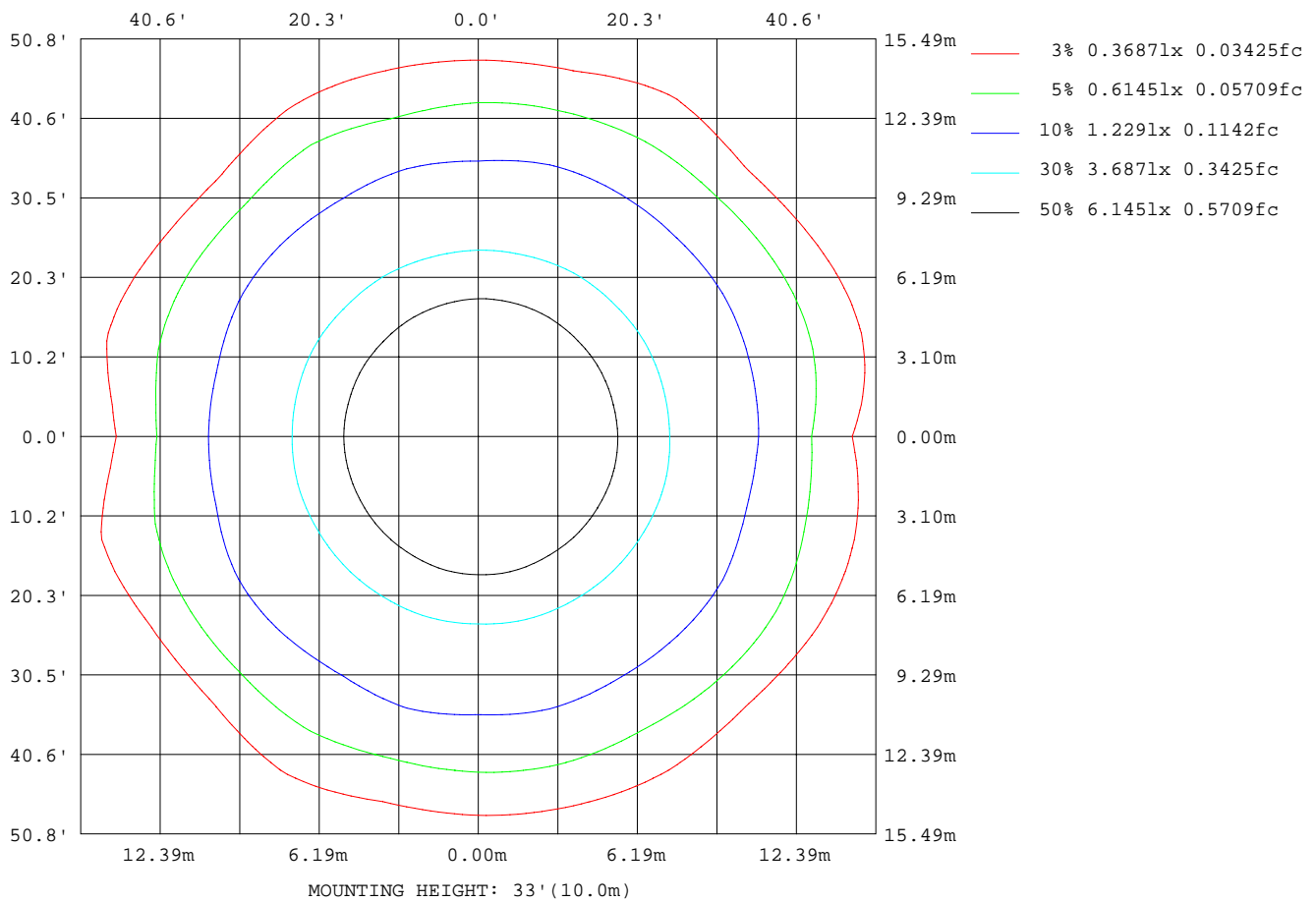
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	SUR.:0.71*0.191	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	SUR.:0.71*0.191	Shielding Angle:

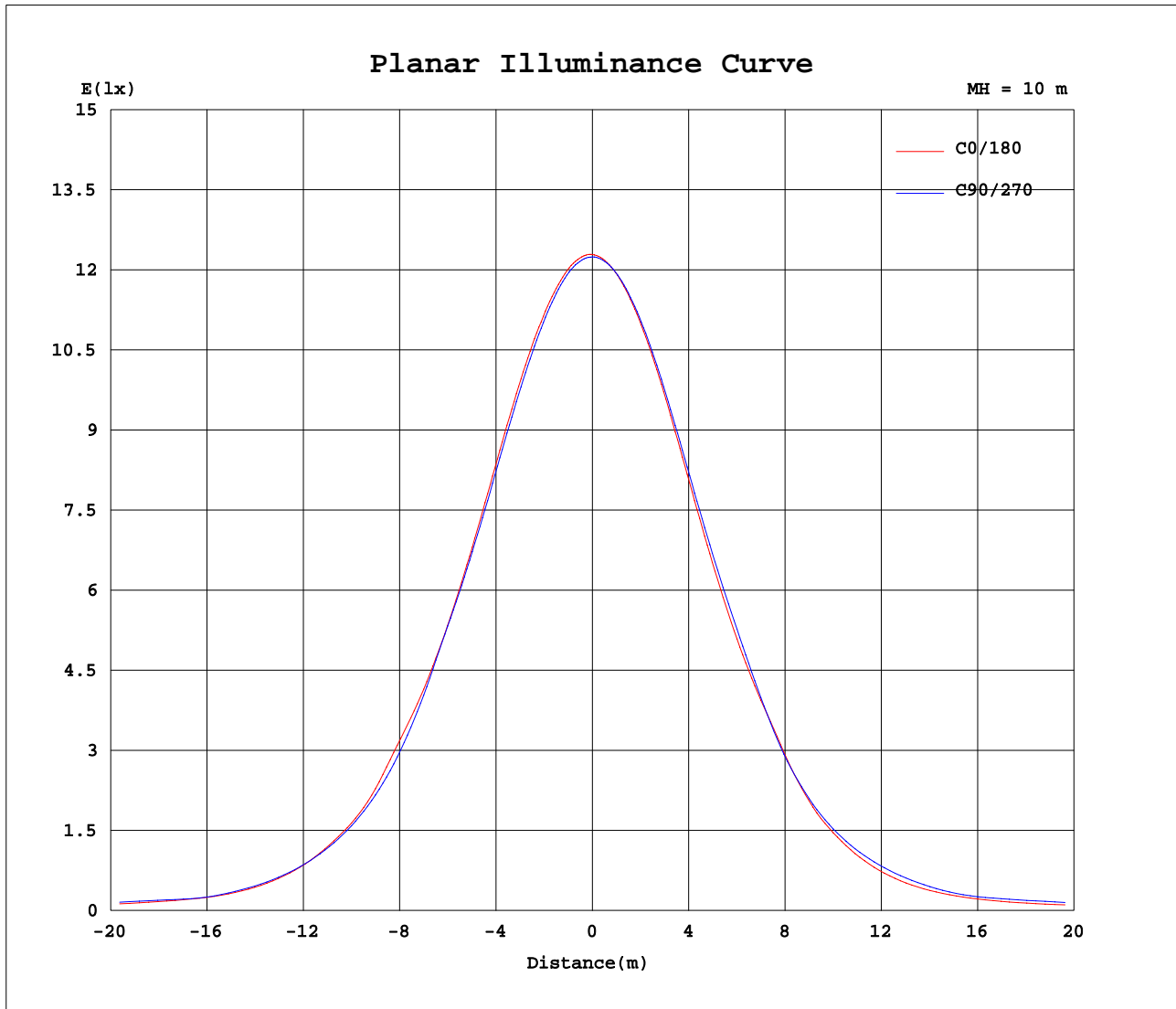
AvgL	cd/m2
L_0~180(65)av	2228
L_0~180(75)av	2804
L_0~180(85)av	3108
L_90~270(65)av	2673
L_90~270(75)av	3058
L_90~270(85)av	3526
L_45(65)av	1106
L_45(75)av	2128
L_45(85)av	2813

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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: 2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	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	1229	1229	1228	1228	1228	1228	1227	1227	1227	1227	1226	1226	1226	1226	1225	1225	1225	1225	1224
5	1222	1222	1222	1221	1221	1220	1220	1220	1220	1219	1219	1218	1218	1217	1217	1217	1216	1215	1215
10	1195	1195	1195	1195	1194	1193	1192	1192	1192	1192	1191	1189	1188	1188	1188	1188	1186	1185	1184
15	1148	1149	1149	1149	1148	1146	1145	1144	1144	1143	1142	1141	1139	1139	1138	1137	1136	1134	1132
20	1077	1078	1078	1078	1077	1075	1073	1073	1072	1072	1070	1068	1067	1067	1067	1066	1064	1062	1059
25	982	984	985	985	983	981	979	978	978	977	975	973	972	972	973	974	972	969	967
30	872	873	874	874	872	870	869	868	867	867	865	864	864	866	869	871	870	869	867
35	755	757	759	760	759	757	755	753	752	750	748	746	745	746	747	748	744	739	735
40	630	636	640	642	640	636	632	630	628	627	624	622	618	615	611	606	597	589	583
45	464	459	456	456	460	465	470	475	480	482	481	479	476	475	473	470	462	455	449
50	330	326	327	331	343	355	365	365	361	353	344	334	328	332	339	346	342	336	332
55	213	225	235	243	249	252	253	248	241	235	234	235	236	235	233	231	230	228	226
60	153	169	180	184	181	172	161	145	131	122	132	146	160	162	161	160	162	164	166
65	129	138	141	141	135	125	112	89.0	68.9	58.0	80.5	111	141	153	158	160	159	156	154
70	134	133	130	123	111	97.3	83.8	73.3	65.4	60.6	60.3	64.2	72.4	91.2	110	126	122	115	108
75	106	104	101	95.6	85.9	76.1	68.0	68.6	70.5	71.6	62.2	53.2	48.1	59.6	75.0	90.9	99.5	105	107
80	70.1	71.0	70.6	69.0	64.5	59.9	56.3	58.3	61.0	63.0	58.5	53.9	51.1	57.1	65.0	72.9	75.9	77.2	76.8
85	44.7	48.1	50.0	50.4	48.9	46.4	43.3	40.1	37.3	35.5	36.6	38.8	41.8	45.4	48.5	50.4	47.8	44.4	41.3
90	6.07	8.58	10.1	10.6	9.63	8.06	6.36	5.44	4.87	4.70	5.29	6.14	7.07	7.99	8.57	8.55	6.74	4.56	2.47
95	39.1	39.0	39.5	40.6	42.7	45.0	47.0	47.2	47.2	47.7	50.3	53.3	56.3	56.9	57.9	60.0	68.2	76.1	81.3
100	202	200	200	202	209	216	223	227	231	234	235	237	239	244	250	260	279	297	308
105	530	533	534	534	533	531	527	516	509	511	551	594	630	619	600	584	607	634	655
110	870	865	867	875	895	917	938	941	943	947	974	1001	1020	1003	981	964	987	1015	1037
115	1406	1404	1402	1401	1404	1405	1401	1378	1355	1341	1363	1391	1415	1401	1381	1366	1389	1417	1439
120	1798	1791	1785	1781	1780	1779	1777	1764	1753	1747	1768	1791	1809	1794	1774	1758	1774	1793	1809
125	2146	2140	2135	2131	2128	2126	2124	2118	2114	2115	2134	2155	2172	2168	2160	2152	2161	2171	2179
130	2470	2460	2452	2446	2444	2444	2445	2443	2442	2445	2459	2474	2487	2488	2485	2483	2489	2495	2500
135	2755	2743	2735	2729	2728	2730	2732	2732	2733	2736	2746	2757	2767	2768	2768	2768	2773	2779	2783
140	3003	2991	2982	2977	2978	2982	2987	2988	2989	2992	2999	3007	3014	3016	3017	3017	3021	3025	3028
145	3221	3209	3200	3196	3198	3202	3207	3209	3210	3211	3217	3222	3228	3229	3230	3231	3235	3239	3242
150	3409	3396	3387	3383	3385	3389	3394	3395	3396	3397	3401	3406	3411	3413	3414	3415	3418	3421	3424
155	3566	3553	3544	3539	3540	3544	3548	3549	3550	3552	3556	3560	3564	3566	3567	3568	3571	3573	3575
160	3695	3681	3672	3666	3668	3671	3676	3677	3677	3679	3682	3686	3689	3690	3690	3690	3692	3694	3696
165	3794	3780	3770	3764	3764	3766	3770	3771	3771	3772	3775	3777	3779	3780	3781	3782	3784	3786	3787
170	3863	3849	3839	3832	3831	3833	3836	3836	3837	3837	3839	3841	3842	3843	3844	3844	3846	3848	3850
175	3911	3895	3884	3877	3877	3878	3881	3882	3883	3884	3885	3886	3887	3888	3888	3889	3890	3892	3894
180	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	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	1224	1224	1224	1224	1224	1223	1223	1223	1223	1222	1222	1222	1222	1221	1222	1224	1227	1229	1229
5	1214	1214	1213	1213	1212	1211	1211	1210	1210	1209	1209	1208	1207	1207	1207	1210	1212	1214	1214
10	1183	1183	1182	1181	1180	1179	1178	1178	1177	1176	1175	1174	1174	1173	1174	1176	1178	1180	1179
15	1131	1131	1130	1129	1127	1125	1124	1124	1123	1122	1120	1119	1119	1119	1119	1121	1123	1124	1123
20	1058	1058	1057	1054	1051	1049	1048	1047	1046	1044	1042	1041	1040	1040	1040	1041	1042	1043	1042
25	966	965	963	959	955	951	949	948	947	945	942	940	939	939	939	940	942	942	941
30	865	863	860	854	848	843	840	838	836	833	830	829	828	829	829	830	830	831	830
35	734	734	734	730	726	722	720	719	719	717	716	716	717	718	719	718	718	717	717
40	584	586	590	591	593	594	596	598	598	596	592	589	586	583	579	574	570	567	569
45	451	454	457	455	452	449	448	447	447	449	450	448	438	426	415	413	412	413	410
50	334	337	339	335	330	326	327	330	334	335	336	334	329	322	313	301	291	284	287
55	222	220	220	229	239	246	239	229	220	219	221	225	234	240	242	222	201	185	197
60	166	166	165	167	166	163	146	128	115	118	128	141	156	168	175	161	144	129	139
65	158	162	162	154	141	125	101	78.3	61.9	66.8	78.5	93.2	103	111	118	123	125	126	126
70	118	128	132	112	88.7	66.9	64.3	66.7	71.7	71.4	72.1	74.8	84.4	95.4	106	114	119	122	122
75	103	96.9	88.7	78.4	68.8	61.4	63.0	66.4	69.5	64.1	58.6	55.5	63.3	73.5	83.8	88.0	90.3	91.1	92.1
80	74.0	70.5	67.1	66.2	65.7	65.2	64.2	62.6	60.1	53.8	48.0	44.3	49.2	55.8	62.2	62.4	61.3	59.7	60.3
85	42.8	44.6	45.8	42.8	38.9	34.7	31.7	29.4	28.0	28.4	29.5	30.8	31.5	31.8	31.8	30.6	29.4	28.7	30.7
90	1.83	1.57	1.53	1.28	1.08	0.93	0.88	0.87	0.88	0.88	0.88	0.88	0.86	0.85	0.88	1.00	1.15	1.27	1.28
95	75.2	66.5	57.5	54.5	52.8	51.7	48.9	46.1	43.5	42.2	40.9	39.5	36.4	33.2	30.5	29.9	29.8	29.9	28.9
100	296	278	258	250	244	240	236	233	230	223	216	210	207	206	206	206	206	207	205
105	636	611	588	599	612	620	588	552	520	521	531	543	545	545	544	542	539	537	536
110	1018	992	970	983	1001	1016	1004	985	961	936	913	895	891	892	894	893	891	889	889
115	1421	1396	1374	1384	1399	1411	1397	1380	1368	1386	1409	1428	1422	1409	1392	1378	1366	1359	1369
120	1797	1781	1768	1783	1801	1814	1797	1777	1760	1773	1792	1811	1814	1814	1813	1818	1822	1824	1818
125	2173	2166	2160	2168	2176	2181	2164	2145	2129	2136	2148	2161	2164	2166	2167	2173	2178	2180	2172
130	2497	2494	2491	2495	2499	2499	2486	2471	2459	2463	2471	2480	2482	2483	2483	2486	2487	2486	2479
135	2781	2777	2774	2777	2780	2781	2772	2762	2754	2756	2760	2765	2766	2766	2766	2769	2772	2771	2763
140	3027	3025	3023	3025	3027	3028	3023	3017	3012	3013	3015	3018	3017	3016	3016	3020	3023	3023	3013
145	3241	3240	3239	3240	3241	3242	3239	3236	3233	3234	3235	3237	3236	3236	3235	3238	3240	3239	3228
150	3424	3423	3423	3423	3424	3425	3423	3422	3420	3421	3422	3423	3422	3421	3419	3422	3425	3424	3413
155	3575	3575	3574	3575	3577	3577	3577	3576	3575	3576	3576	3577	3576	3576	3575	3578	3579	3578	3568
160	3696	3697	3697	3699	3700	3701	3700	3699	3699	3700	3701	3702	3701	3700	3700	3703	3705	3704	3693
165	3788	3788	3789	3791	3792	3794	3794	3793	3793	3794	3795	3796	3796	3796	3796	3799	3802	3802	3790
170	3850	3851	3851	3853	3855	3856	3857	3858	3859	3861	3863	3866	3866	3866	3867	3870	3873	3872	3861
175	3894	3895	3896	3898	3901	3903	3905	3907	3909	3911	3913	3916	3917	3919	3920	3923	3925	3923	3912
180	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 760*240*31	SERIAL No.:
MFR.: A238-K4584-01	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	1229	1228	1228	1228	1227	1227	1227	1227	1226	1226	1226	1226	1225	1225	1225	1225	1224	1224	1224
5	1213	1213	1213	1213	1213	1213	1213	1213	1213	1213	1214	1214	1213	1213	1214	1214	1214	1215	1215
10	1179	1178	1179	1179	1180	1180	1180	1180	1181	1182	1182	1182	1182	1182	1183	1184	1185	1185	1185
15	1122	1122	1122	1123	1124	1124	1124	1124	1125	1126	1128	1128	1129	1129	1130	1132	1133	1133	1134
20	1041	1040	1041	1042	1043	1042	1042	1042	1044	1046	1048	1049	1050	1052	1054	1056	1058	1059	1059
25	940	939	940	941	942	942	941	941	944	947	950	952	953	955	958	962	964	965	966
30	829	828	829	830	831	830	829	829	832	836	840	842	845	848	852	856	860	861	862
35	717	717	719	720	721	719	716	713	714	716	717	717	716	716	719	722	725	727	729
40	573	577	580	583	584	585	586	585	583	581	579	576	573	570	568	567	567	570	575
45	409	409	418	427	435	434	430	427	426	426	428	435	441	446	442	436	433	440	450
50	295	303	310	315	319	317	315	313	317	321	324	319	314	310	312	316	322	329	335
55	215	231	229	222	213	204	197	194	204	216	227	225	221	217	217	217	219	218	219
60	153	166	164	157	146	126	108	96.7	108	126	145	156	165	171	172	171	169	168	166
65	124	120	118	114	106	87.3	69.6	58.5	72.4	93.5	117	133	146	155	156	154	152	158	163
70	119	114	105	95.6	85.8	77.5	70.5	64.8	59.3	57.3	60.4	78.3	98.8	117	121	121	119	122	124
75	91.3	88.2	77.2	66.2	58.0	64.4	72.8	79.6	70.1	59.5	52.1	62.4	76.8	91.9	100	106	108	106	102
80	60.9	61.3	60.0	58.5	57.3	57.5	58.3	59.6	61.5	63.9	66.6	69.6	72.8	76.3	80.6	84.3	86.6	85.0	82.0
85	33.1	35.3	35.5	34.9	34.0	32.1	30.7	30.5	33.7	38.1	42.9	47.8	51.6	53.8	50.1	45.6	42.0	45.5	50.0
90	1.27	1.24	1.24	1.24	1.25	1.26	1.28	1.29	1.28	1.28	1.29	1.32	1.36	1.42	1.37	1.42	1.65	2.57	3.54
95	28.0	27.9	29.9	32.6	35.2	36.4	37.3	38.4	40.6	43.0	45.4	46.4	47.8	50.4	58.5	66.4	71.9	67.4	60.4
100	203	201	198	197	197	206	216	225	227	228	229	235	243	252	266	278	286	277	263
105	536	536	535	534	531	520	511	510	540	573	601	591	575	561	579	600	616	601	580
110	889	887	877	870	869	895	926	959	983	1000	1009	992	972	955	969	988	1003	989	971
115	1382	1395	1397	1394	1388	1370	1354	1345	1364	1388	1407	1393	1375	1361	1378	1399	1415	1401	1382
120	1808	1797	1786	1775	1763	1748	1736	1731	1748	1768	1785	1778	1767	1757	1767	1780	1790	1781	1769
125	2161	2148	2134	2121	2110	2103	2099	2099	2110	2122	2132	2130	2126	2121	2122	2125	2127	2125	2122
130	2470	2459	2447	2436	2427	2424	2424	2426	2432	2439	2445	2447	2447	2446	2445	2444	2443	2443	2443
135	2752	2740	2729	2720	2714	2713	2714	2717	2720	2723	2725	2728	2730	2730	2729	2727	2726	2727	2728
140	3000	2987	2978	2972	2968	2968	2969	2972	2972	2972	2972	2974	2977	2978	2977	2974	2973	2975	2977
145	3215	3202	3196	3192	3189	3189	3190	3191	3190	3189	3189	3191	3194	3195	3194	3191	3190	3192	3194
150	3400	3387	3382	3379	3378	3378	3378	3378	3377	3375	3374	3375	3378	3380	3379	3377	3376	3377	3379
155	3555	3544	3539	3536	3535	3534	3535	3535	3534	3533	3532	3533	3535	3536	3535	3533	3532	3535	3537
160	3680	3668	3664	3662	3662	3662	3663	3663	3662	3660	3659	3661	3662	3664	3663	3662	3661	3662	3664
165	3777	3765	3761	3760	3761	3761	3762	3763	3762	3760	3759	3760	3760	3761	3761	3761	3761	3762	3763
170	3849	3837	3833	3832	3832	3831	3831	3831	3831	3830	3830	3831	3831	3831	3831	3830	3830	3831	3833
175	3900	3888	3885	3884	3885	3885	3885	3885	3884	3882	3881	3881	3882	3882	3882	3882	3882	3882	3883
180	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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:0.4422A P:100.68W PF:0.9892 Freq:49.99Hz Lamp Flux:13278.6x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 760*240*31						SERIAL No.:		
MFR.: A238-K4584-01									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	1224	1224	1224	1223	1223	1223	1223	1222	1222	1222	1222	1221	1222	1223	1226			
5	1215	1215	1215	1216	1215	1215	1215	1215	1215	1216	1215	1215	1215	1217	1219				
10	1186	1186	1187	1188	1187	1187	1187	1187	1188	1188	1187	1187	1187	1189	1191				
15	1134	1135	1137	1138	1138	1138	1138	1139	1140	1141	1140	1140	1140	1142	1144				
20	1060	1061	1063	1065	1065	1065	1065	1066	1068	1070	1069	1069	1069	1071	1074				
25	966	968	969	970	970	970	969	971	973	975	975	975	975	977	979				
30	862	863	864	864	863	861	860	862	864	866	865	865	865	866	868				
35	732	736	741	745	745	744	744	747	750	752	752	751	750	751	752				
40	581	588	595	603	609	615	620	623	626	627	629	630	631	631	630				
45	460	467	472	474	474	472	470	472	473	473	467	461	456	456	458				
50	339	337	334	332	335	340	346	351	356	360	359	357	352	346	339				
55	221	231	240	248	241	233	226	232	241	250	259	264	264	255	238				
60	166	172	177	179	164	147	133	139	149	162	173	181	185	180	170				
65	165	161	153	140	116	92.2	75.0	83.3	98.4	116	123	127	130	131	131				
70	122	110	94.6	80.7	75.5	73.8	74.9	78.4	83.5	89.6	94.6	100	106	114	123				
75	95.8	86.5	77.3	70.2	71.2	74.4	78.1	77.1	76.2	76.5	82.6	89.8	96.9	101	104				
80	78.1	74.5	71.3	68.8	69.5	70.4	70.5	64.5	58.7	55.1	62.0	70.6	78.3	79.1	76.3				
85	54.1	53.1	50.7	47.4	44.4	41.5	39.0	37.8	37.4	37.9	40.4	43.2	45.7	46.3	46.0				
90	4.32	4.08	3.66	3.28	3.57	4.07	4.71	5.32	6.01	6.78	7.96	8.96	9.53	9.07	7.91				
95	52.9	50.0	48.2	47.2	46.2	45.3	44.4	42.7	41.1	39.6	39.2	39.1	39.1	39.1	39.1				
100	247	238	230	225	227	229	230	222	213	205	203	203	204	203	203				
105	561	568	578	584	565	542	521	519	523	529	532	535	537	536	534				
110	955	965	979	990	987	977	962	939	914	893	886	883	882	879	874				
115	1365	1371	1381	1388	1374	1358	1346	1358	1375	1393	1402	1407	1410	1411	1410				
120	1759	1763	1769	1772	1758	1743	1732	1740	1753	1768	1779	1788	1794	1798	1800				
125	2120	2122	2123	2123	2112	2102	2094	2097	2104	2115	2126	2137	2146	2149	2149				
130	2443	2443	2442	2440	2434	2427	2423	2423	2427	2432	2441	2451	2460	2466	2469				
135	2729	2728	2725	2722	2720	2717	2716	2715	2716	2719	2728	2737	2746	2751	2754				
140	2979	2977	2974	2972	2971	2971	2972	2971	2971	2973	2980	2988	2996	3000	3002				
145	3196	3194	3192	3190	3191	3193	3195	3195	3195	3195	3201	3208	3215	3218	3220				
150	3381	3380	3379	3378	3380	3383	3385	3386	3386	3388	3392	3397	3402	3405	3408				
155	3540	3539	3538	3537	3539	3541	3544	3545	3546	3548	3551	3555	3558	3561	3564				
160	3666	3666	3666	3666	3668	3671	3674	3675	3675	3677	3680	3684	3688	3690	3693				
165	3764	3764	3765	3766	3767	3770	3772	3773	3775	3777	3780	3783	3786	3789	3792				
170	3834	3835	3836	3836	3839	3841	3843	3845	3847	3849	3851	3854	3857	3859	3862				
175	3884	3885	3887	3888	3890	3891	3892	3893	3894	3896	3898	3901	3904	3907	3909				
180	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937	3937				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-09-24

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: