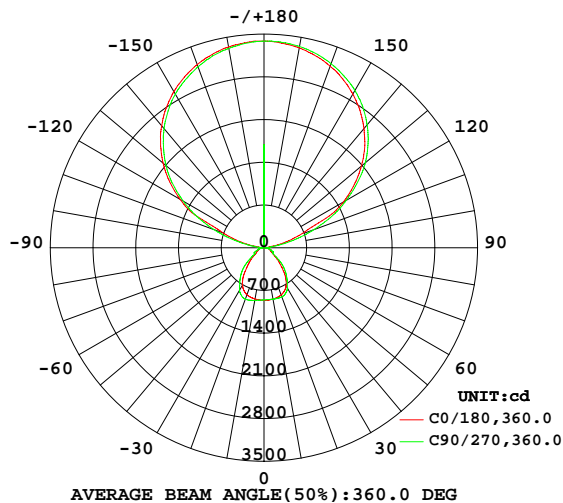


LUMINAIRE PHOTOMETRIC TEST REPORT

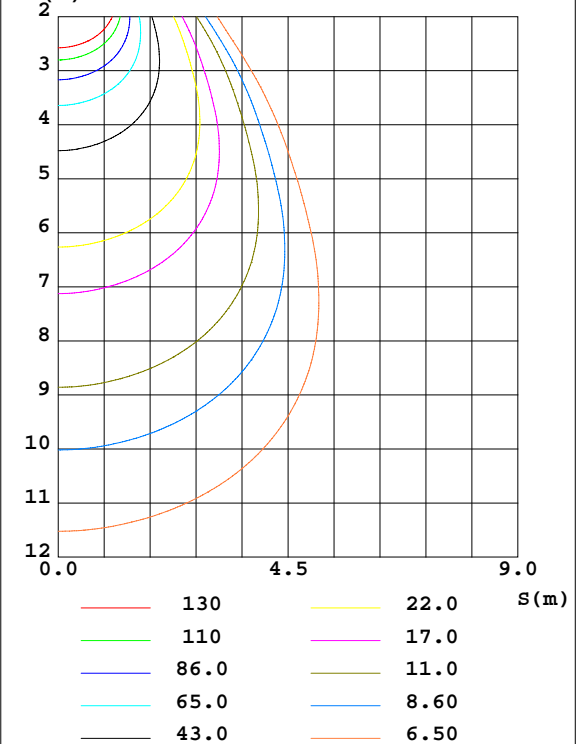
Test:U:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.43 lm/W			
MODEL		Imax(cd)	3390	S/MH(C0/180)	1.17
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	11506	η UP,DN(C0-180)	42.0,8.1
NOMINAL FLUX(lm)	11505.7	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	41.5,8.3
LAMPS INSIDE	1	η up(%)	83.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	16.4	CIBSE SHR MAX	1.35

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:2024-06-25

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:

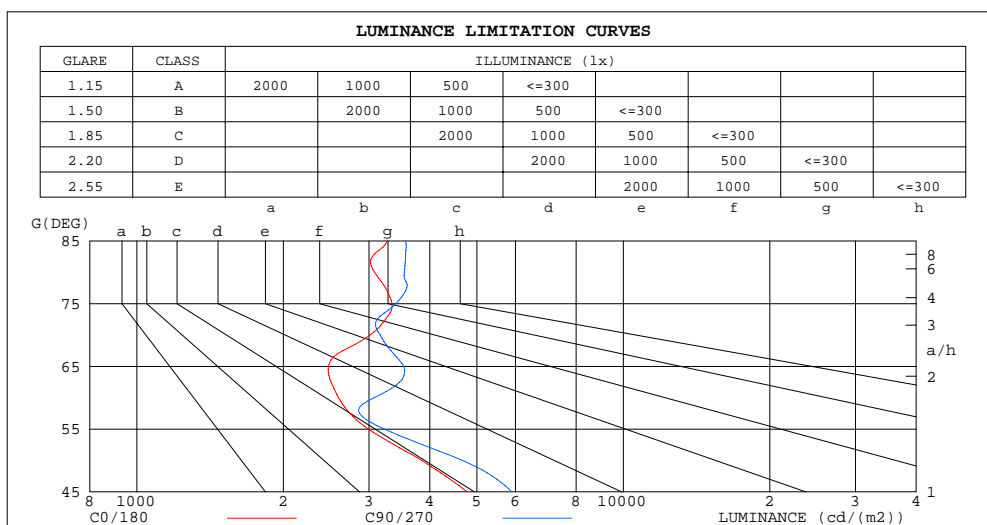
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	854.3	855.2	855.3	853.0	853.5	866.2	876.5	871.1	0- 10	82.05	82.05	0.71,0.71
20	823.8	849.0	856.6	835.0	819.0	860.0	896.6	879.0	10- 20	243.7	325.7	2.83,2.83
30	726.2	760.0	768.1	734.3	707.2	755.9	802.6	785.9	20- 30	376.6	702.3	6.1,6.1
40	497.1	553.5	566.1	509.1	460.2	526.3	593.6	574.1	30- 40	405.3	1108	9.63,9.63
50	273.4	320.0	331.4	287.9	248.4	292.9	339.4	326.0	40- 50	324.9	1432	12.5,12.5
60	143.4	164.2	169.7	151.4	135.3	158.0	180.4	172.2	50- 60	185.5	1618	14.1,14.1
70	113.9	118.4	119.4	115.3	111.3	114.7	118.6	117.7	60- 70	141.2	1759	15.3,15.3
80	59.07	66.89	68.01	58.63	50.18	57.75	66.61	65.84	70- 80	97.14	1856	16.1,16.1
90	1.985	2.992	3.162	2.139	0.9870	0.8714	1.134	1.471	80- 90	33.09	1889	16.4,16.4
100	114.8	197.4	234.6	206.3	172.6	214.9	248.2	207.7	90-100	70.29	1960	17,17
110	640.0	801.5	868.0	796.8	716.6	799.8	872.8	805.0	100-110	512.0	2472	21.5,21.5
120	1503	1533	1558	1580	1588	1561	1527	1510	110-120	1158	3630	31.6,31.6
130	2083	2138	2168	2172	2157	2126	2095	2083	120-130	1650	5280	45.9,45.9
140	2549	2602	2630	2628	2609	2577	2549	2542	130-140	1827	7107	61.8,61.8
150	2911	2956	2978	2973	2954	2929	2907	2903	140-150	1737	8844	76.9,76.9
160	3168	3197	3211	3209	3197	3175	3156	3155	150-160	1417	10261	89.2,89.2
170	3327	3344	3351	3349	3341	3329	3319	3320	160-170	924.1	11185	97.2,97.2
180	3386	3386	3386	3386	3386	3386	3386	3386	170-180	320.7	11506	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:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3276	3566
80	3081	3548
75	3345	3408
70	3016	3163
65	2477	3537
60	2598	3075
55	2992	3227
50	3852	4670
45	4778	5899

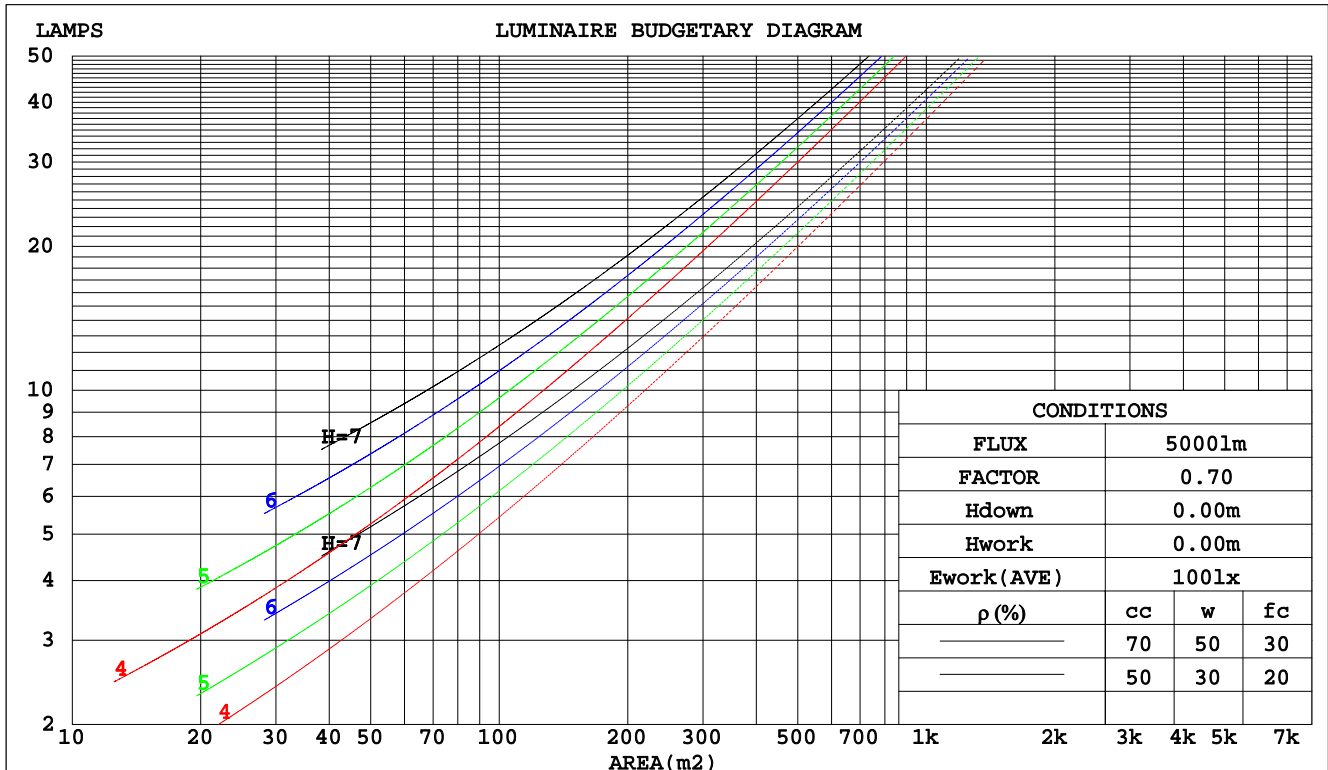
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	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	.65	.65	.65	.44	.44	.44	.25	.25	.25	.16
1.0	.86	.83	.80	.76	.73	.70	.57	.55	.53	.39	.38	.37	.23	.22	.22	.14
2.0	.76	.70	.65	.67	.62	.58	.50	.47	.44	.34	.33	.31	.20	.19	.18	.12
3.0	.67	.60	.54	.59	.53	.49	.44	.40	.37	.31	.28	.26	.18	.17	.16	.11
4.0	.59	.52	.46	.52	.46	.41	.39	.35	.32	.27	.25	.23	.16	.15	.14	.09
5.0	.52	.45	.39	.46	.40	.35	.35	.31	.27	.25	.22	.20	.15	.13	.12	.08
6.0	.47	.39	.34	.42	.35	.31	.32	.27	.24	.22	.19	.17	.13	.12	.11	.07
7.0	.42	.35	.30	.37	.31	.27	.29	.24	.21	.20	.17	.15	.12	.11	.10	.07
8.0	.38	.31	.26	.34	.28	.23	.26	.22	.18	.18	.16	.14	.11	.10	.09	.06
9.0	.35	.28	.23	.31	.25	.21	.24	.19	.16	.17	.14	.12	.10	.09	.08	.06
10.0	.32	.25	.20	.28	.22	.19	.22	.18	.15	.15	.13	.11	.10	.08	.07	.05



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	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	.260	.148	.047	.228	.130	.041	.168	.096	.031	.112	.065	.021	.061	.036	.011		
2.0	.240	.132	.040	.211	.116	.036	.156	.086	.027	.105	.059	.018	.058	.033	.010		
3.0	.222	.118	.035	.195	.104	.031	.144	.078	.024	.097	.053	.016	.054	.030	.009		
4.0	.206	.107	.031	.181	.095	.028	.134	.071	.021	.091	.049	.015	.050	.027	.008		
5.0	.191	.097	.028	.168	.086	.025	.125	.065	.019	.085	.045	.013	.047	.025	.008		
6.0	.178	.089	.026	.157	.079	.023	.117	.060	.017	.079	.041	.012	.044	.023	.007		
7.0	.167	.082	.023	.147	.073	.021	.110	.055	.016	.075	.038	.011	.042	.022	.006		
8.0	.156	.076	.021	.138	.068	.019	.103	.052	.015	.070	.036	.010	.039	.020	.006		
9.0	.147	.071	.020	.130	.063	.018	.097	.048	.014	.066	.033	.010	.037	.019	.005		
10.0	.139	.067	.018	.123	.059	.017	.092	.045	.013	.063	.031	.009	.035	.018	.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	.827	.827	.827	.707	.707	.707	.483	.483	.483	.277	.277	.277	.089	.089	.089	
1.0	.819	.799	.780	.701	.685	.672	.479	.472	.464	.276	.273	.270	.088	.088	.087	
2.0	.812	.779	.751	.695	.670	.649	.476	.464	.453	.275	.270	.265	.088	.087	.086	
3.0	.805	.764	.731	.690	.659	.634	.474	.458	.445	.274	.267	.262	.088	.087	.086	
4.0	.799	.753	.717	.685	.650	.623	.471	.453	.439	.273	.265	.260	.088	.086	.085	
5.0	.793	.744	.708	.681	.644	.616	.469	.450	.435	.272	.264	.258	.088	.086	.085	
6.0	.787	.737	.701	.677	.638	.611	.467	.447	.432	.271	.263	.257	.087	.086	.085	
7.0	.782	.731	.696	.673	.634	.607	.465	.445	.430	.270	.262	.256	.087	.086	.085	
8.0	.777	.727	.692	.669	.630	.604	.463	.443	.428	.269	.261	.255	.087	.086	.084	
9.0	.772	.723	.689	.665	.627	.601	.461	.441	.427	.268	.260	.255	.087	.085	.084	
10.0	.767	.719	.687	.662	.624	.600	.459	.439	.426	.268	.260	.254	.087	.085	.084	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 610*280*42			SERIAL No.:			
MFR.:					SUR.:0.6*0.184			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		8.6	9.3	9.7	10.4	12.0	9.2	9.9	10.4	11.0	12.6
	3H	9.6	10.2	10.7	11.3	12.9	10.3	10.9	11.4	12.0	13.6
	4H	10.2	10.8	11.4	12.0	13.6	10.8	11.4	12.0	12.5	14.1
	6H	10.8	11.3	11.9	12.4	14.1	11.3	11.9	12.5	13.0	14.7
	8H	10.9	11.4	12.1	12.6	14.2	11.5	12.0	12.7	13.2	14.8
	12H	11.0	11.5	12.2	12.7	14.3	11.7	12.1	12.9	13.3	15.0
4H	2H	8.8	9.3	9.9	10.5	12.1	9.3	9.9	10.5	11.0	12.6
	3H	10.0	10.5	11.2	11.7	13.3	10.6	11.0	11.8	12.2	13.9
	4H	10.9	11.3	12.1	12.5	14.2	11.3	11.7	12.5	12.9	14.6
	6H	11.5	11.9	12.8	13.1	14.8	12.0	12.4	13.2	13.6	15.2
	8H	11.8	12.1	13.0	13.3	15.0	12.3	12.6	13.5	13.8	15.5
	12H	11.9	12.3	13.2	13.5	15.2	12.5	12.8	13.7	14.0	15.7
8H	4H	11.1	11.4	12.3	12.6	14.3	11.4	11.8	12.7	13.0	14.7
	6H	11.9	12.2	13.2	13.4	15.1	12.3	12.6	13.6	13.8	15.5
	8H	12.3	12.5	13.5	13.7	15.4	12.7	12.9	13.9	14.2	15.9
	12H	12.5	12.7	13.8	14.0	15.7	13.0	13.2	14.2	14.4	16.2
12H	4H	11.1	11.4	12.3	12.6	14.3	11.4	11.7	12.6	12.9	14.6
	6H	12.0	12.2	13.2	13.4	15.2	12.4	12.6	13.6	13.8	15.5
	8H	12.4	12.6	13.6	13.8	15.5	12.8	13.0	14.0	14.2	15.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.4					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					
2.0H	+ 0.6 / - 0.5					+ 0.8 / - 0.4					

CIE Pub.117, 11506 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.5$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:

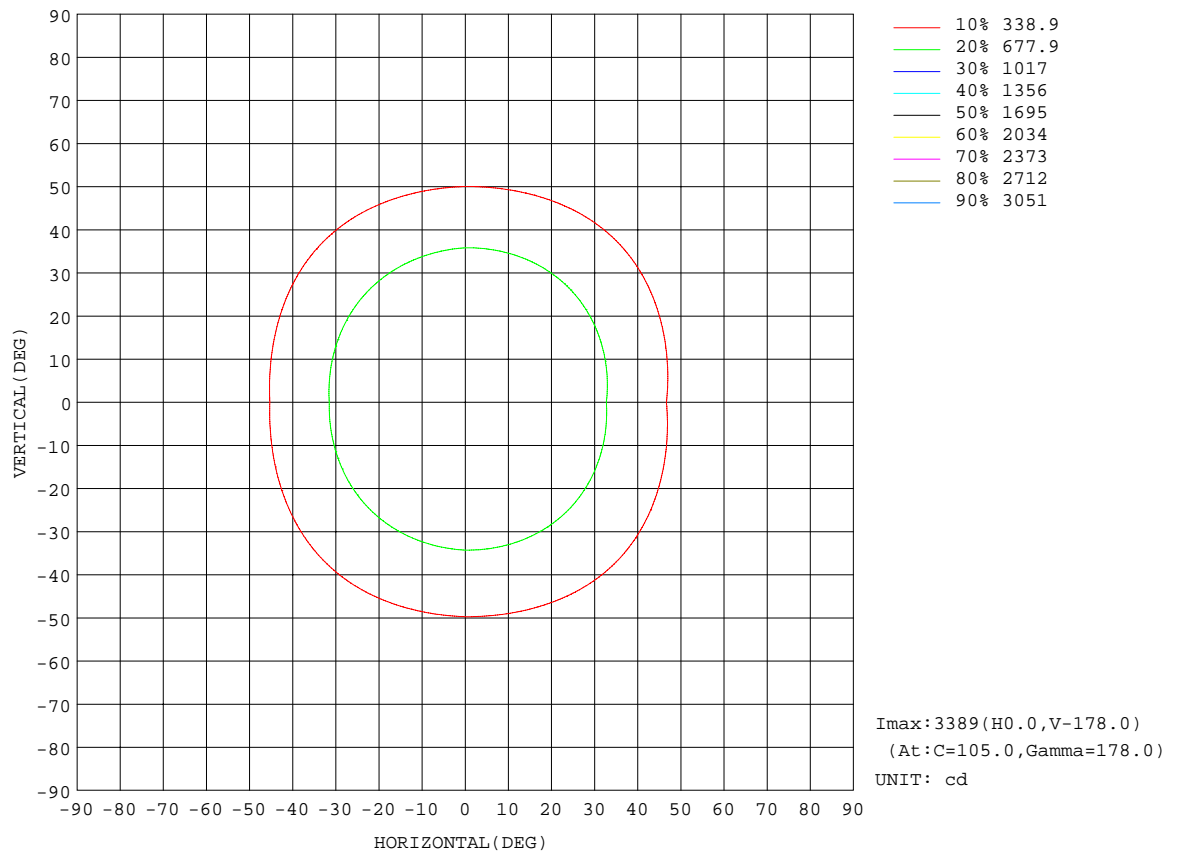
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	36	26	20	33	24	19	26	19	16	7
0.80	45	34	28	40	31	25	32	25	21	9
1.00	52	41	34	47	37	31	36	30	25	10
1.25	59	48	41	52	43	37	40	34	29	11
1.50	64	54	46	57	48	42	43	37	33	12
2.00	71	62	55	63	55	49	48	42	38	13
2.50	76	67	61	67	60	54	50	46	42	13
3.00	80	72	65	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	52	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:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:

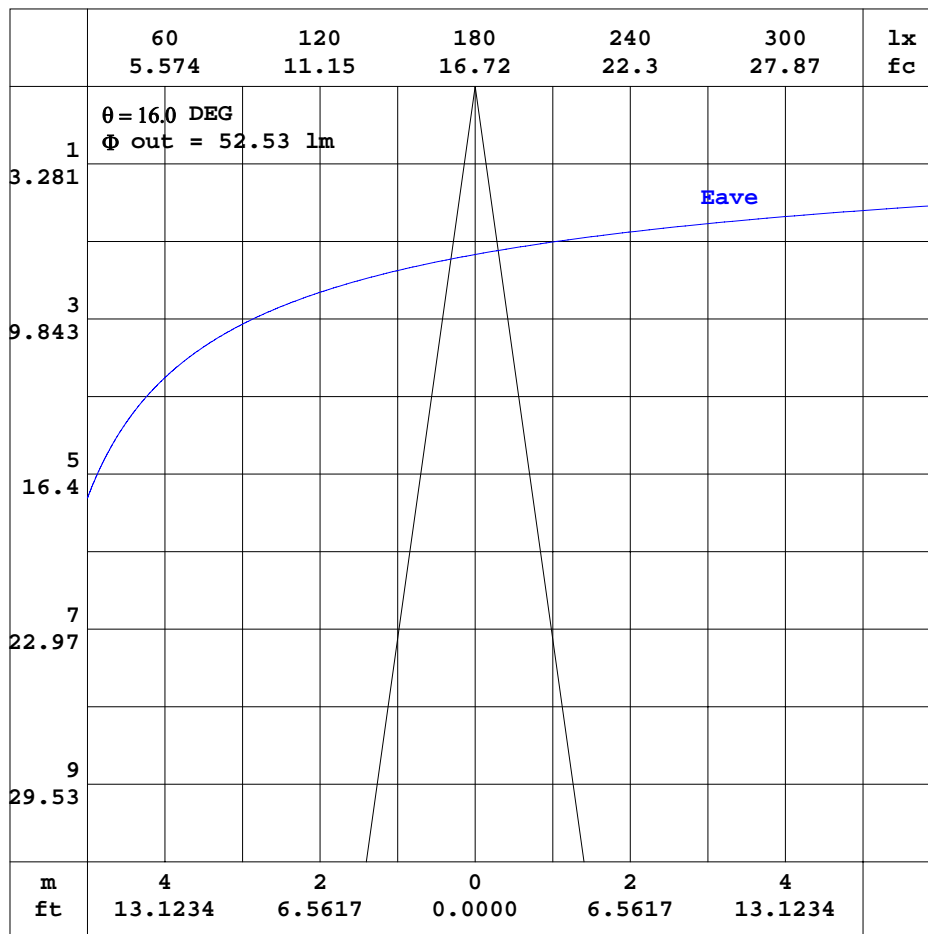


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:



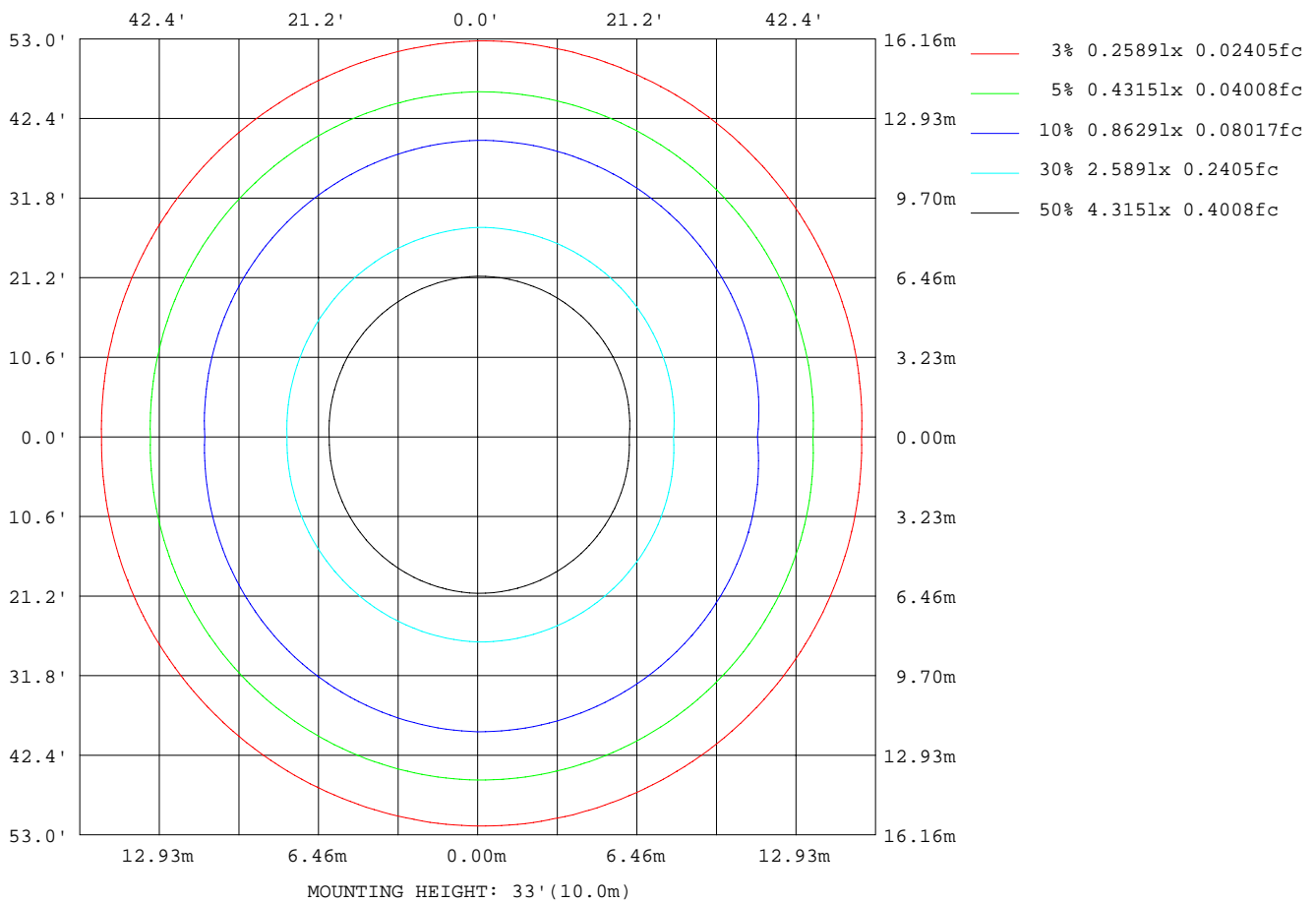
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:

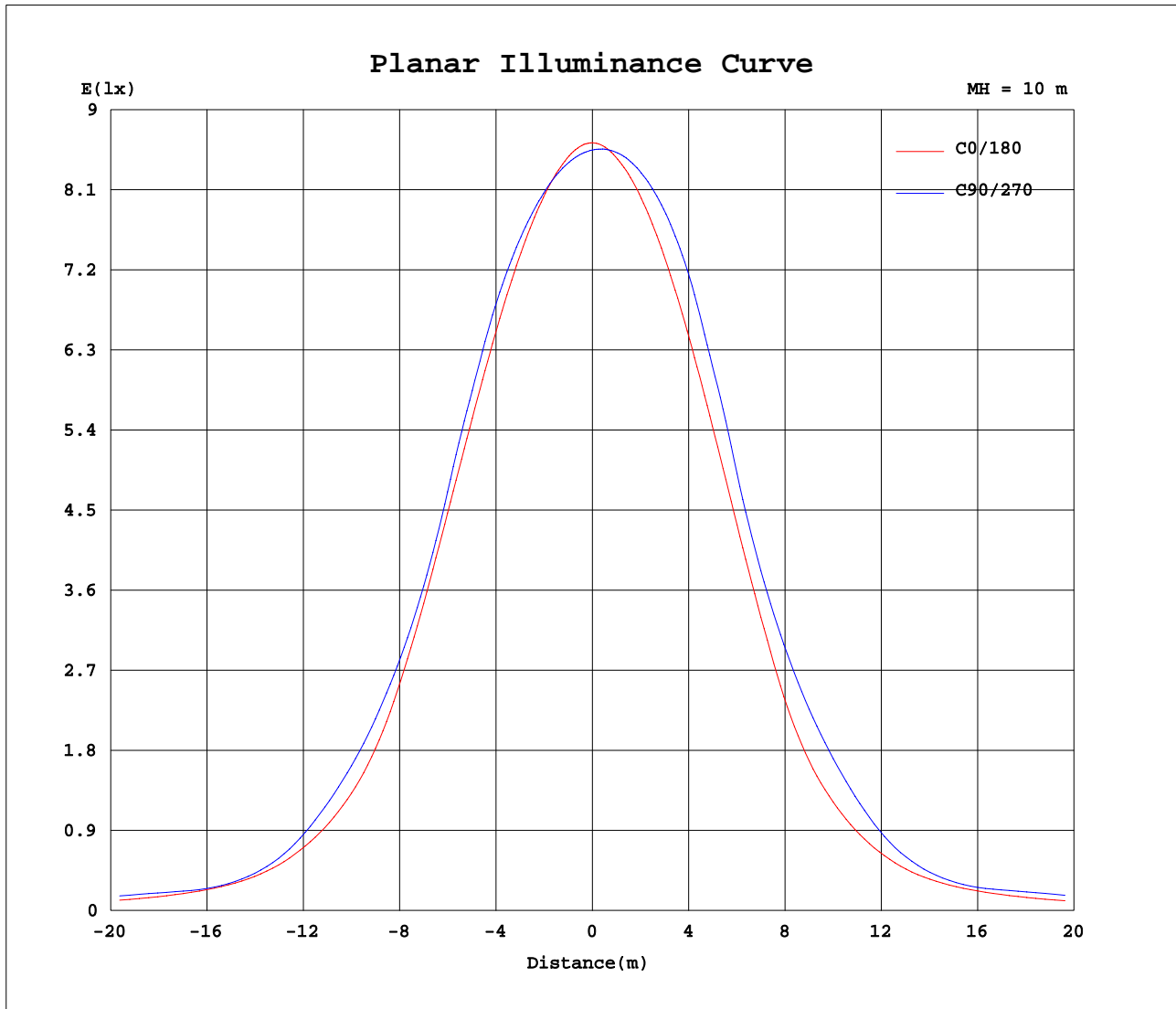
AvgL	cd/m2
L_0~180(65)av	2447
L_0~180(75)av	3176
L_0~180(85)av	2810
L_90~270(65)av	3573
L_90~270(75)av	3423
L_90~270(85)av	3437
L_45(65)av	3149
L_45(75)av	3320
L_45(85)av	3173

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-06-25

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: 2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	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	863	862	861	860	860	859	858	858	857	857	856	856	856	855	855	855	855	855	855
5	861	860	859	858	858	857	856	856	855	855	854	854	854	853	853	853	853	853	853
10	854	854	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855
15	844	845	847	848	850	851	852	853	854	855	856	857	857	858	858	858	859	859	859
20	824	827	831	834	837	840	843	845	847	849	851	852	853	855	855	856	856	857	857
25	787	792	797	801	805	809	812	815	818	820	823	825	826	828	829	829	830	830	830
30	726	731	736	740	744	748	752	755	758	760	762	764	766	767	768	768	769	768	768
35	628	633	637	641	645	648	651	654	656	658	660	662	663	664	664	665	665	664	664
40	497	506	513	521	528	534	540	545	549	553	557	560	563	565	566	567	567	567	566
45	373	383	393	402	410	418	425	431	437	442	447	451	454	457	459	460	461	461	460
50	273	280	287	293	298	304	308	313	317	320	323	326	328	329	331	332	332	332	331
55	189	191	193	195	197	198	199	201	202	202	203	204	204	205	205	205	205	205	204
60	143	146	149	152	155	157	159	161	163	164	166	167	168	169	169	170	170	170	170
65	116	121	126	131	135	140	143	147	150	153	156	158	160	161	163	164	165	165	165
70	114	115	115	116	116	117	117	118	118	118	119	119	119	119	119	119	119	119	119
75	95.6	96.0	96.4	96.8	97.1	97.4	97.7	97.9	98.0	98.1	98.2	98.3	98.3	98.2	98.1	98.0	97.8	97.6	97.4
80	59.1	60.3	61.4	62.4	63.4	64.2	65.0	65.7	66.3	66.9	67.3	67.7	68.0	68.2	68.3	68.4	68.3	68.2	68.0
85	31.5	32.1	32.6	33.0	33.4	33.8	34.1	34.3	34.6	34.7	34.9	35.0	35.0	35.0	35.0	34.9	34.7	34.5	34.3
90	1.98	2.14	2.28	2.41	2.54	2.65	2.75	2.84	2.92	2.99	3.05	3.10	3.14	3.17	3.19	3.20	3.20	3.18	3.16
95	15.4	18.7	21.8	24.8	27.7	30.3	32.9	35.2	37.4	39.4	41.2	42.9	44.5	45.8	47.0	48.1	49.0	49.7	50.2
100	115	126	137	147	157	166	175	183	190	197	204	210	215	220	224	227	230	233	235
105	375	390	403	416	428	439	450	460	469	478	485	493	499	505	510	514	518	520	523
110	640	663	684	704	723	741	758	774	788	801	814	824	834	843	850	856	861	865	868
115	1053	1069	1084	1098	1112	1125	1138	1149	1160	1171	1180	1189	1197	1205	1211	1217	1223	1228	1231
120	1503	1507	1510	1514	1517	1521	1524	1527	1530	1533	1536	1539	1542	1545	1547	1550	1553	1555	1558
125	1806	1811	1815	1820	1825	1829	1833	1837	1841	1845	1848	1852	1855	1858	1861	1864	1866	1869	1871
130	2083	2091	2098	2104	2111	2117	2122	2128	2133	2138	2143	2147	2151	2155	2158	2161	2164	2166	2168
135	2334	2341	2347	2353	2359	2364	2369	2374	2379	2383	2387	2391	2395	2398	2401	2404	2406	2408	2410
140	2549	2556	2563	2570	2576	2582	2587	2593	2598	2602	2606	2610	2614	2618	2621	2623	2626	2628	2630
145	2743	2750	2757	2763	2769	2775	2780	2785	2790	2795	2799	2803	2806	2809	2812	2815	2817	2819	2820
150	2911	2917	2923	2929	2934	2939	2944	2948	2952	2956	2960	2963	2966	2969	2971	2973	2975	2977	2978
155	3052	3057	3062	3066	3070	3074	3078	3081	3084	3087	3090	3093	3095	3097	3099	3101	3103	3104	3105
160	3168	3172	3176	3179	3182	3186	3189	3191	3194	3197	3199	3201	3203	3205	3206	3208	3209	3210	3211
165	3258	3262	3265	3268	3271	3273	3276	3278	3280	3282	3284	3286	3288	3289	3290	3292	3293	3293	3294
170	3327	3330	3332	3334	3336	3337	3339	3341	3342	3344	3345	3346	3347	3348	3349	3350	3350	3351	3351
175	3366	3367	3368	3369	3370	3371	3372	3372	3373	3374	3375	3375	3376	3376	3377	3377	3378	3378	3378
180	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	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	855	855	856	856	857	857	858	858	859	859	860	860	861	861	862	862	863	863	863
5	853	853	853	854	854	854	855	855	855	856	856	857	857	858	858	859	859	860	860
10	855	855	854	854	854	854	853	853	853	853	853	853	853	853	853	853	853	853	855
15	858	857	855	854	853	852	851	849	848	847	846	845	844	843	843	842	842	842	844
20	855	852	850	848	845	843	840	838	835	832	830	828	826	824	822	821	820	819	823
25	827	824	821	818	815	811	808	804	801	797	794	791	788	785	783	781	779	777	782
30	765	762	758	754	750	746	742	738	734	730	727	723	719	716	713	711	709	707	711
35	660	657	653	649	645	641	636	632	628	624	620	616	612	609	606	603	601	599	603
40	561	555	549	543	537	530	523	516	509	502	496	489	483	478	472	468	464	460	466
45	455	449	443	436	429	422	415	407	400	392	385	378	371	365	359	354	349	345	351
50	328	323	319	314	309	304	299	293	288	283	277	272	267	263	259	255	251	248	252
55	203	201	199	198	196	194	192	190	188	186	184	182	181	179	178	176	175	174	176
60	168	166	164	162	160	158	156	154	151	149	147	145	143	141	139	138	136	135	137
65	163	160	158	155	152	149	145	142	139	135	132	129	125	122	120	117	115	113	115
70	119	119	118	118	117	117	116	116	115	115	114	114	113	113	112	112	112	111	112
75	96.7	96.1	95.4	94.7	93.9	93.2	92.4	91.7	91.0	90.3	89.6	88.9	88.3	87.7	87.2	86.7	86.3	85.9	86.3
80	67.2	66.2	65.2	64.2	63.1	62.0	60.9	59.8	58.6	57.5	56.4	55.3	54.3	53.3	52.4	51.6	50.8	50.2	50.7
85	33.7	33.1	32.4	31.7	31.0	30.3	29.5	28.8	28.0	27.3	26.6	25.9	25.2	24.6	24.0	23.5	23.0	22.5	22.8
90	3.08	2.98	2.88	2.77	2.65	2.53	2.40	2.27	2.14	2.00	1.87	1.73	1.60	1.47	1.34	1.22	1.10	0.99	0.95
95	49.7	49.0	48.2	47.3	46.2	45.2	44.0	42.8	41.6	40.3	39.1	37.9	36.8	35.7	34.7	33.8	33.0	32.3	33.8
100	233	231	228	225	222	218	214	210	206	202	198	194	190	186	182	179	175	173	176
105	520	517	514	510	506	501	496	490	485	479	474	469	463	458	453	449	445	441	446
110	863	857	851	843	835	826	816	807	797	787	777	767	757	748	739	731	723	717	724
115	1232	1232	1231	1230	1228	1226	1223	1220	1217	1213	1209	1206	1202	1198	1194	1190	1186	1183	1185
120	1561	1563	1566	1569	1571	1574	1576	1578	1580	1582	1584	1585	1586	1587	1588	1588	1589	1588	1586
125	1874	1876	1878	1880	1882	1883	1885	1886	1887	1888	1889	1889	1889	1889	1889	1889	1888	1887	1885
130	2170	2171	2172	2173	2173	2173	2173	2173	2172	2171	2170	2169	2167	2166	2164	2162	2160	2157	2154
135	2412	2413	2414	2414	2415	2415	2415	2414	2414	2413	2412	2411	2409	2407	2406	2403	2401	2399	2395
140	2631	2631	2631	2632	2631	2631	2630	2629	2628	2626	2625	2623	2621	2619	2616	2614	2611	2609	2605
145	2821	2821	2821	2821	2821	2820	2819	2817	2816	2814	2812	2810	2808	2806	2803	2801	2798	2795	2792
150	2978	2979	2978	2978	2977	2977	2976	2974	2973	2971	2970	2968	2966	2964	2961	2959	2957	2954	2951
155	3106	3106	3106	3106	3106	3105	3105	3104	3103	3102	3101	3099	3098	3096	3094	3093	3091	3088	3086
160	3211	3212	3212	3212	3212	3211	3211	3210	3209	3208	3207	3206	3205	3203	3202	3200	3199	3197	3195
165	3294	3294	3294	3294	3294	3293	3293	3292	3291	3290	3289	3288	3287	3286	3285	3283	3282	3281	3279
170	3352	3352	3351	3351	3351	3351	3350	3350	3349	3349	3348	3347	3346	3345	3345	3344	3343	3341	3340
175	3379	3379	3379	3379	3379	3379	3379	3379	3379	3379	3378	3378	3378	3378	3377	3377	3376	3376	3375
180	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	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	862	862	861	861	860	860	859	859	858	858	857	857	856	856	855	855	855	855	855
5	860	860	861	861	861	862	862	862	862	862	862	863	863	863	863	863	863	863	863
10	856	857	859	860	862	863	865	866	868	869	870	872	873	874	875	876	876	876	876
15	847	850	853	856	859	862	865	868	871	874	877	880	882	885	887	889	891	891	890
20	827	831	836	840	845	850	855	860	865	870	874	879	883	887	891	894	897	897	896
25	786	791	797	802	808	814	820	825	831	837	843	848	853	858	862	866	870	870	869
30	716	721	726	732	738	744	750	756	762	768	774	779	785	790	794	799	803	803	803
35	608	613	618	624	629	635	641	647	653	659	665	671	676	681	686	690	694	695	695
40	472	478	486	493	501	509	518	526	535	543	552	560	567	575	582	588	594	594	594
45	357	364	372	380	388	396	405	414	423	432	440	449	457	464	471	478	483	484	483
50	256	260	265	270	276	281	287	293	299	305	310	316	321	326	331	335	339	340	340
55	177	179	181	183	185	187	189	192	194	196	198	201	203	205	207	209	210	211	211
60	139	142	144	147	150	152	155	158	161	164	167	169	172	174	176	179	180	180	180
65	118	120	123	127	130	133	137	141	144	148	151	155	158	161	164	166	168	168	168
70	112	112	113	113	113	114	114	115	115	116	116	117	117	117	118	118	119	119	119
75	86.8	87.3	87.9	88.6	89.3	90.0	90.7	91.5	92.3	93.1	93.9	94.6	95.4	96.2	96.9	97.6	98.2	98.5	98.7
80	51.4	52.1	52.9	53.8	54.7	55.7	56.7	57.7	58.8	59.9	60.9	62.0	63.0	64.0	64.9	65.8	66.6	66.8	67.0
85	23.1	23.5	23.9	24.3	24.8	25.3	25.9	26.5	27.1	27.7	28.3	28.9	29.5	30.1	30.7	31.3	31.8	32.1	32.3
90	0.92	0.89	0.88	0.86	0.86	0.86	0.86	0.87	0.89	0.90	0.93	0.95	0.98	1.02	1.05	1.09	1.13	1.16	1.19
95	35.5	37.3	39.1	41.0	43.0	45.0	46.9	48.9	50.8	52.6	54.4	56.0	57.6	58.9	60.1	61.1	61.9	61.3	60.5
100	181	185	190	195	200	205	210	215	220	225	229	233	237	241	244	246	248	246	244
105	451	456	462	468	475	481	487	494	500	506	512	517	522	527	531	534	536	534	531
110	732	740	749	759	769	779	789	800	810	820	830	839	847	855	862	868	873	870	866
115	1187	1189	1191	1194	1196	1198	1201	1203	1205	1207	1208	1209	1210	1211	1211	1210	1210	1206	1201
120	1584	1581	1578	1575	1572	1568	1565	1561	1557	1553	1550	1546	1542	1538	1534	1530	1527	1524	1522
125	1882	1879	1876	1873	1870	1866	1863	1859	1855	1851	1848	1844	1840	1837	1833	1830	1826	1824	1822
130	2151	2148	2144	2141	2137	2133	2130	2126	2122	2118	2115	2111	2108	2104	2101	2098	2095	2093	2091
135	2391	2388	2384	2379	2375	2371	2367	2363	2359	2354	2350	2346	2343	2339	2335	2332	2329	2327	2326
140	2602	2599	2595	2592	2588	2584	2581	2577	2574	2570	2567	2564	2560	2557	2554	2552	2549	2547	2546
145	2789	2785	2782	2779	2775	2772	2769	2765	2762	2759	2756	2753	2750	2747	2744	2742	2739	2738	2737
150	2949	2946	2943	2940	2937	2935	2932	2929	2926	2924	2921	2918	2916	2914	2911	2909	2907	2906	2905
155	3083	3080	3077	3074	3071	3069	3066	3063	3060	3057	3054	3052	3049	3047	3045	3042	3040	3040	3039
160	3192	3190	3187	3185	3182	3180	3177	3175	3172	3170	3168	3165	3163	3161	3159	3157	3156	3155	3155
165	3278	3276	3275	3273	3271	3270	3268	3267	3265	3264	3262	3261	3260	3258	3257	3256	3255	3254	3254
170	3339	3337	3336	3335	3333	3332	3331	3329	3328	3327	3325	3324	3323	3322	3321	3320	3319	3319	3319
175	3375	3374	3374	3373	3372	3372	3371	3370	3370	3369	3368	3368	3367	3366	3366	3365	3365	3365	3364
180	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-06-25

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:229.71V I:0.3517A P:79.114W PF:0.9792 Freq:49.99Hz Lamp Flux:11505.7x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 610*280*42						SERIAL No.:		
MFR.:									SUR.:0.6*0.184						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	855	855	855	856	856	856	857	857	858	858	859	860	860	861	862				
5	863	863	863	863	863	863	863	862	862	862	862	862	861	861	861				
10	876	875	875	874	873	872	871	870	868	867	865	863	861	859	857				
15	890	889	887	886	884	882	879	876	873	870	866	862	858	854	849				
20	895	893	891	889	886	883	879	875	870	865	859	853	846	839	832				
25	868	866	864	862	858	855	850	845	840	834	828	821	813	805	796				
30	802	800	799	796	793	790	786	781	776	771	765	758	751	743	735				
35	695	694	692	690	688	685	682	678	673	668	663	657	651	644	636				
40	594	592	590	587	583	579	574	568	562	555	547	538	529	519	508				
45	482	480	478	474	470	465	459	453	446	437	429	419	409	398	386				
50	339	338	337	335	332	329	326	322	318	313	307	302	295	288	281				
55	211	211	210	210	209	208	207	206	204	203	201	199	197	195	192				
60	180	179	178	177	176	174	172	170	168	165	162	159	155	152	148				
65	167	166	165	163	161	158	156	152	149	145	141	137	132	127	121				
70	119	119	118	118	118	118	118	117	117	117	116	116	115	115	114				
75	98.8	98.9	99.0	99.0	99.0	98.9	98.8	98.6	98.4	98.1	97.8	97.5	97.1	96.6	96.1				
80	67.0	67.0	66.9	66.8	66.5	66.2	65.8	65.4	64.8	64.2	63.6	62.8	62.0	61.1	60.1				
85	32.4	32.6	32.7	32.8	32.8	32.9	32.9	32.8	32.8	32.7	32.6	32.4	32.2	32.0	31.8				
90	1.23	1.26	1.30	1.34	1.38	1.43	1.47	1.52	1.57	1.62	1.68	1.73	1.79	1.86	1.92				
95	59.5	58.2	56.6	54.9	52.9	50.6	48.2	45.5	42.5	39.3	35.9	32.3	28.4	24.3	20.0				
100	241	237	232	227	221	215	208	200	192	183	173	163	152	140	128				
105	527	523	517	511	504	497	488	479	469	458	446	433	420	406	391				
110	861	855	847	838	829	817	805	792	777	761	744	725	706	685	663				
115	1196	1191	1184	1178	1170	1163	1154	1145	1136	1125	1115	1104	1092	1079	1066				
120	1520	1518	1516	1515	1513	1512	1510	1509	1508	1507	1506	1505	1505	1504	1504				
125	1820	1818	1816	1815	1813	1812	1811	1810	1809	1808	1807	1807	1806	1806	1806				
130	2089	2088	2086	2085	2084	2083	2083	2082	2082	2081	2081	2081	2082	2082	2083				
135	2325	2324	2323	2322	2322	2322	2322	2323	2323	2324	2325	2327	2328	2330	2332				
140	2545	2544	2543	2542	2542	2542	2542	2542	2542	2542	2543	2544	2545	2546	2548				
145	2736	2735	2734	2734	2734	2734	2734	2734	2735	2735	2736	2737	2738	2740	2741				
150	2905	2904	2903	2903	2903	2903	2903	2903	2904	2904	2905	2906	2907	2908	2910				
155	3038	3038	3038	3038	3038	3038	3039	3040	3041	3042	3043	3045	3046	3048	3050				
160	3154	3154	3154	3154	3154	3155	3155	3156	3157	3158	3159	3161	3162	3164	3166				
165	3254	3253	3253	3253	3253	3253	3253	3253	3254	3254	3255	3255	3256	3257	3257				
170	3319	3319	3319	3319	3319	3319	3320	3320	3321	3321	3322	3323	3324	3325	3326				
175	3364	3364	3364	3364	3364	3364	3364	3364	3364	3364	3364	3365	3365	3365	3366				
180	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-06-25

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: