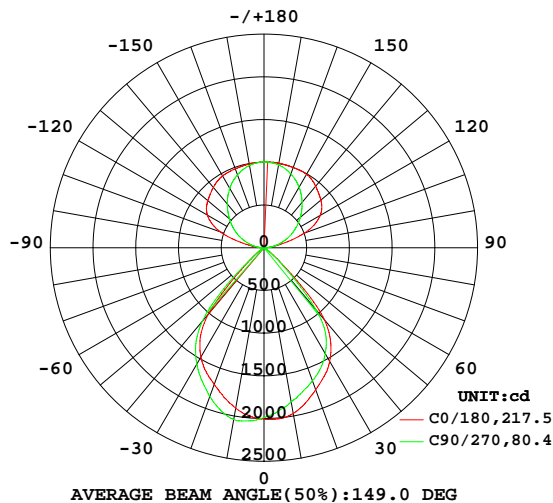


LUMINAIRE PHOTOMETRIC TEST REPORT

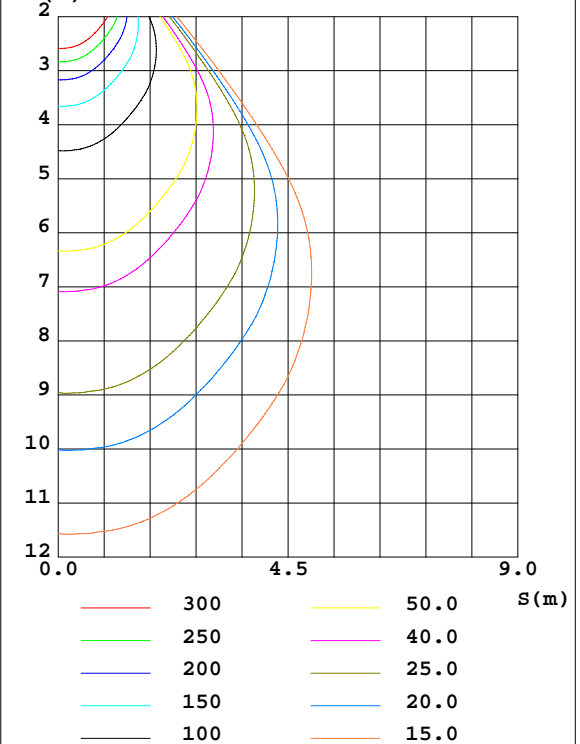
Test:U:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.: A4133433-01	SUR.:1.280*0.042	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.73 lm/W			
MODEL		Imax(cd)	2049	S/MH(C0/180)	1.12
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	6141.8	η UP,DN(C0-180)	27.5,21.8
NOMINAL FLUX(lm)	6141.84	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	27.1,23.5
LAMPS INSIDE	1	η up(%)	54.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	45.3	CIBSE SHR MAX	1.25

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:2023-09-18

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:

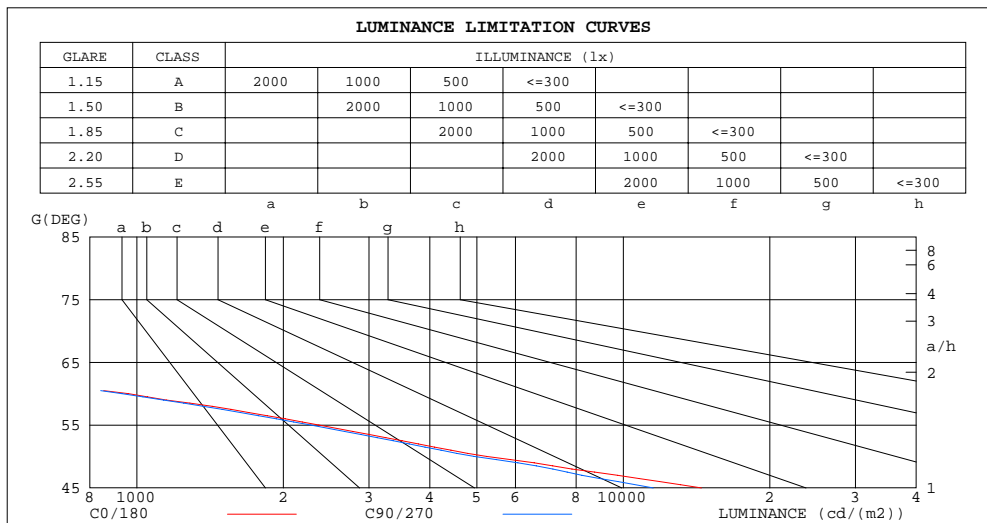
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1969	1881	1833	1837	1907	1979	2040	2019	0- 10	187.5	187.5	3.05,3.05
20	1769	1698	1659	1650	1704	1778	1853	1821	10- 20	518.9	706.3	11.5,11.5
30	1537	1477	1433	1434	1478	1525	1572	1562	20- 30	749.8	1456	23.7,23.7
40	1102	1025	947.7	963.1	1013	1075	1124	1118	30- 40	817.5	2274	37,37
50	180.6	187.2	170.4	183.5	170.1	205.6	195.5	213.4	40- 50	421.1	2695	43.9,43.9
60	25.82	36.73	25.02	37.18	25.09	36.15	25.79	37.39	50- 60	77.97	2773	45.1,45.1
70	1.694	2.138	1.406	2.945	1.786	2.874	1.726	2.454	60- 70	10.88	2784	45.3,45.3
80	0.2695	0.1805	0.1430	0.3009	0.6876	0.4459	0.2150	0.3714	70- 80	0.7013	2784	45.3,45.3
90	0.5670	9.180	0.1632	2.397	4.536	4.450	0.4897	1.289	80- 90	0.9778	2785	45.3,45.3
100	138.0	202.5	122.4	227.4	169.6	211.4	112.2	198.4	90-100	82.77	2868	46.7,46.7
110	503.5	404.1	264.5	419.5	539.6	388.3	246.5	406.8	100-110	301.1	3169	51.6,51.6
120	759.8	553.7	410.6	561.3	765.0	534.8	388.7	561.4	110-120	485.8	3655	59.5,59.5
130	869.9	696.8	555.9	693.8	859.0	670.6	527.2	702.1	120-130	569.3	4224	68.8,68.8
140	941.1	820.7	694.8	811.3	923.0	789.6	667.3	826.4	130-140	582.8	4807	78.3,78.3
150	994.1	900.4	821.5	889.8	970.9	875.0	802.4	907.0	140-150	536.1	5343	87,87
160	1000.0	959.2	920.7	949.2	984.0	941.9	907.6	960.1	150-160	427.9	5771	94,94
170	1007	998.4	984.1	990.1	996.2	984.8	977.8	995.5	160-170	275.5	6047	98.4,98.4
180	1005	1005	1005	1005	1005	1005	1005	1005	170-180	95.30	6142	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:2023-09-18

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

LUMINANCE LIMITATION CURVES

Test:U:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.: A4133433-01	SUR.:1.280*0.042	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	92	30
80	29	15
75	17	12
70	92	77
65	287	292
60	962	932
55	2367	2278
50	5232	4937
45	14478	11523

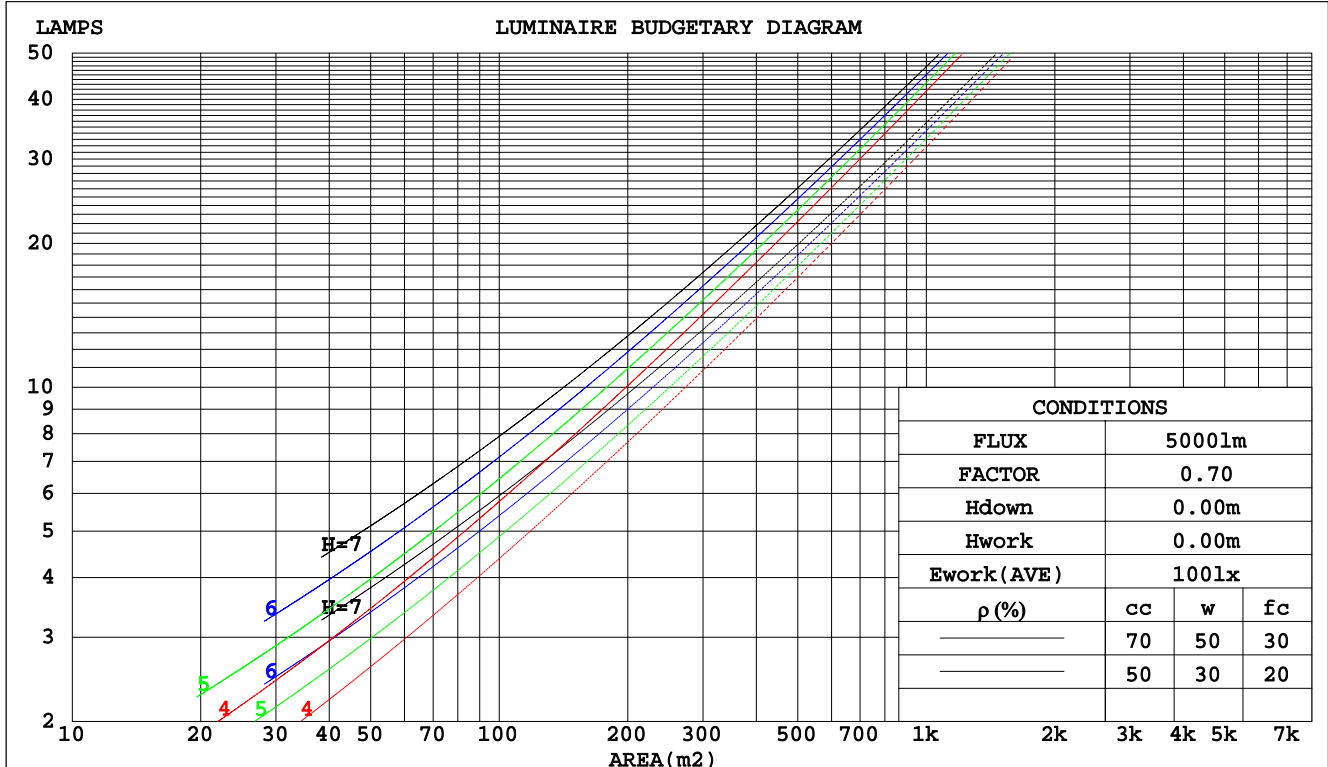
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.: A4133433-01	SUR.:1.280*0.042	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	1.06	1.06	1.06	.97	.97	.97	.81	.81	.81	.66	.66	.66	.52	.52	.52	.45
1.0	.95	.92	.89	.87	.85	.82	.73	.72	.70	.60	.59	.58	.49	.48	.47	.42
2.0	.85	.80	.76	.79	.74	.71	.67	.64	.61	.55	.53	.52	.45	.44	.43	.38
3.0	.77	.70	.65	.71	.66	.61	.60	.57	.54	.51	.48	.46	.42	.40	.39	.35
4.0	.69	.62	.57	.64	.58	.54	.55	.51	.47	.47	.44	.41	.39	.37	.35	.32
5.0	.63	.56	.50	.58	.52	.48	.50	.46	.42	.43	.40	.37	.36	.34	.32	.29
6.0	.57	.50	.45	.53	.47	.42	.46	.41	.38	.39	.36	.33	.33	.31	.29	.26
7.0	.52	.45	.40	.49	.42	.38	.42	.38	.34	.36	.33	.30	.31	.28	.27	.24
8.0	.48	.41	.36	.45	.39	.34	.39	.34	.31	.34	.30	.28	.29	.26	.24	.22
9.0	.44	.37	.33	.41	.35	.31	.36	.31	.28	.31	.28	.25	.27	.24	.22	.20
10.0	.41	.34	.30	.38	.32	.28	.34	.29	.26	.29	.26	.23	.25	.23	.21	.19



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1285*48*76			SERIAL No.:		
MFR.: A4133433-01			SUR.:1.280*0.042			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	.230	.131	.041	.207	.118	.037	.163	.093	.030	.123	.071	.023	.086	.050	.016	
2.0	.216	.118	.036	.195	.107	.033	.155	.086	.027	.119	.067	.021	.085	.048	.015	
3.0	.203	.108	.032	.184	.098	.030	.147	.080	.024	.114	.062	.019	.083	.046	.014	
4.0	.191	.099	.029	.173	.090	.027	.140	.074	.022	.109	.058	.018	.080	.043	.013	
5.0	.179	.091	.026	.163	.084	.024	.132	.069	.020	.104	.055	.016	.077	.041	.012	
6.0	.169	.085	.024	.154	.078	.022	.125	.064	.019	.099	.051	.015	.074	.039	.012	
7.0	.159	.079	.022	.145	.072	.021	.119	.060	.017	.094	.048	.014	.071	.037	.011	
8.0	.151	.074	.021	.138	.068	.019	.113	.057	.016	.090	.046	.013	.068	.035	.010	
9.0	.143	.069	.019	.131	.064	.018	.108	.053	.015	.086	.043	.012	.066	.033	.010	
10.0	.135	.065	.018	.124	.060	.017	.103	.050	.014	.082	.041	.012	.063	.032	.009	

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	.607	.607	.607	.519	.519	.519	.354	.354	.354	.203	.203	.203	.065	.065	.065	
1.0	.595	.577	.561	.509	.495	.482	.348	.341	.334	.200	.197	.194	.064	.063	.063	
2.0	.585	.555	.530	.501	.478	.458	.343	.330	.319	.198	.192	.187	.064	.062	.061	
3.0	.576	.539	.509	.494	.465	.441	.339	.323	.309	.196	.189	.182	.063	.061	.060	
4.0	.569	.526	.494	.488	.455	.429	.336	.317	.302	.194	.186	.179	.063	.060	.059	
5.0	.563	.517	.483	.483	.447	.420	.333	.312	.297	.193	.183	.176	.062	.060	.058	
6.0	.557	.509	.475	.478	.441	.414	.330	.309	.293	.191	.182	.174	.062	.059	.057	
7.0	.551	.503	.469	.474	.436	.409	.328	.306	.290	.190	.180	.172	.061	.059	.057	
8.0	.546	.498	.465	.470	.432	.405	.325	.303	.287	.189	.179	.171	.061	.059	.057	
9.0	.541	.493	.461	.466	.428	.402	.323	.301	.286	.188	.178	.170	.061	.058	.056	
10.0	.537	.490	.458	.463	.425	.400	.321	.299	.284	.187	.177	.170	.061	.058	.056	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1285*48*76			SERIAL No.:			
MFR.: A4133433-01					SUR.:1.280*0.042			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	14.6	15.3	15.5	16.2	17.3	14.0	14.8	14.9	15.7	16.8	
	3H	14.2	14.9	15.2	15.8	17.0	13.7	14.4	14.6	15.3	16.4
	4H	14.1	14.7	15.0	15.6	16.8	13.5	14.2	14.5	15.1	16.3
	6H	13.9	14.5	14.8	15.4	16.6	13.3	13.9	14.3	14.9	16.1
	8H	13.8	14.4	14.8	15.3	16.5	13.3	13.8	14.2	14.8	16.0
	12H	13.7	14.2	14.7	15.2	16.4	13.2	13.7	14.1	14.7	15.9
4H	2H	14.1	14.7	15.0	15.6	16.8	13.5	14.2	14.5	15.1	16.3
	3H	13.7	14.3	14.7	15.2	16.4	13.2	13.7	14.2	14.7	15.9
	4H	13.5	14.0	14.5	15.0	16.2	13.0	13.5	14.0	14.5	15.7
	6H	13.3	13.8	14.4	14.8	16.0	12.8	13.2	13.8	14.2	15.5
	8H	13.3	13.6	14.3	14.6	15.9	12.7	13.1	13.7	14.1	15.4
	12H	13.2	13.5	14.2	14.5	15.8	12.6	13.0	13.7	14.0	15.3
8H	4H	13.3	13.6	14.3	14.6	15.9	12.7	13.1	13.7	14.1	15.4
	6H	13.1	13.4	14.1	14.4	15.7	12.5	12.8	13.6	13.9	15.2
	8H	13.0	13.2	14.0	14.3	15.6	12.4	12.7	13.5	13.7	15.1
	12H	12.9	13.1	13.9	14.1	15.5	12.3	12.5	13.4	13.6	15.0
12H	4H	13.2	13.5	14.2	14.5	15.8	12.6	13.0	13.7	14.0	15.3
	6H	13.0	13.2	14.0	14.3	15.6	12.4	12.7	13.5	13.7	15.1
	8H	12.9	13.1	13.9	14.1	15.5	12.3	12.5	13.4	13.6	15.0
Variations with the observer position at spacings:											
S = 1.0H	+ 2.5 / -12.6					+ 2.5 / -12.3					
1.5H	+ 4.1 / - 9.0					+ 4.2 / - 8.5					
2.0H	+ 7.2 / -13.4					+ 6.4 / -12.2					

CIE Pub.117, 6142 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.3$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.: A4133433-01	SUR.:1.280*0.042	Shielding Angle:

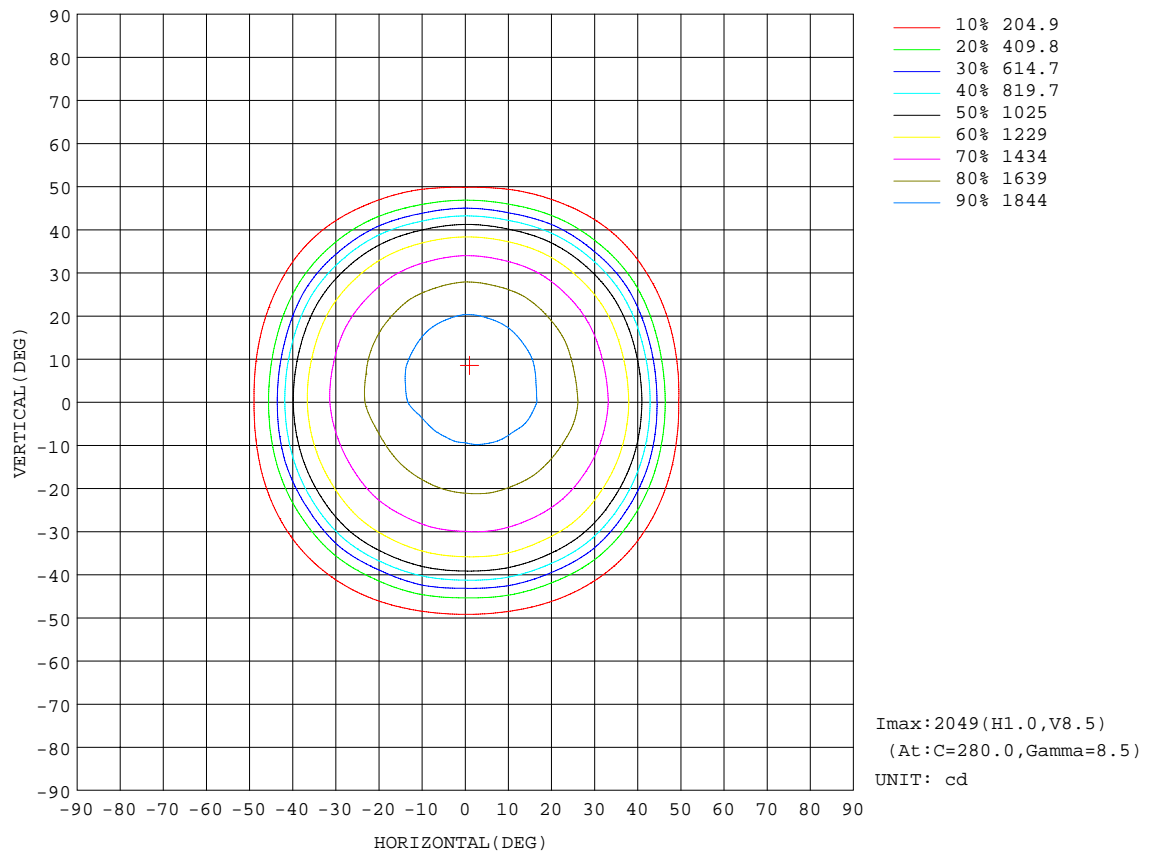
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	43	38	50	42	37	46	39	35	29
0.80	61	52	46	58	50	44	52	46	42	33
1.00	68	58	52	64	56	50	57	51	47	36
1.25	74	65	59	69	62	56	61	55	51	38
1.50	78	70	64	73	66	61	64	59	55	39
2.00	84	76	71	78	72	67	67	63	59	41
2.50	88	81	75	81	75	71	70	65	62	42
3.00	91	84	79	84	78	74	71	68	65	42
4.00	94	89	84	87	83	79	74	71	68	43
5.00	96	92	88	89	85	82	75	72	70	44
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:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.: A4133433-01	SUR.:1.280*0.042	Shielding Angle:

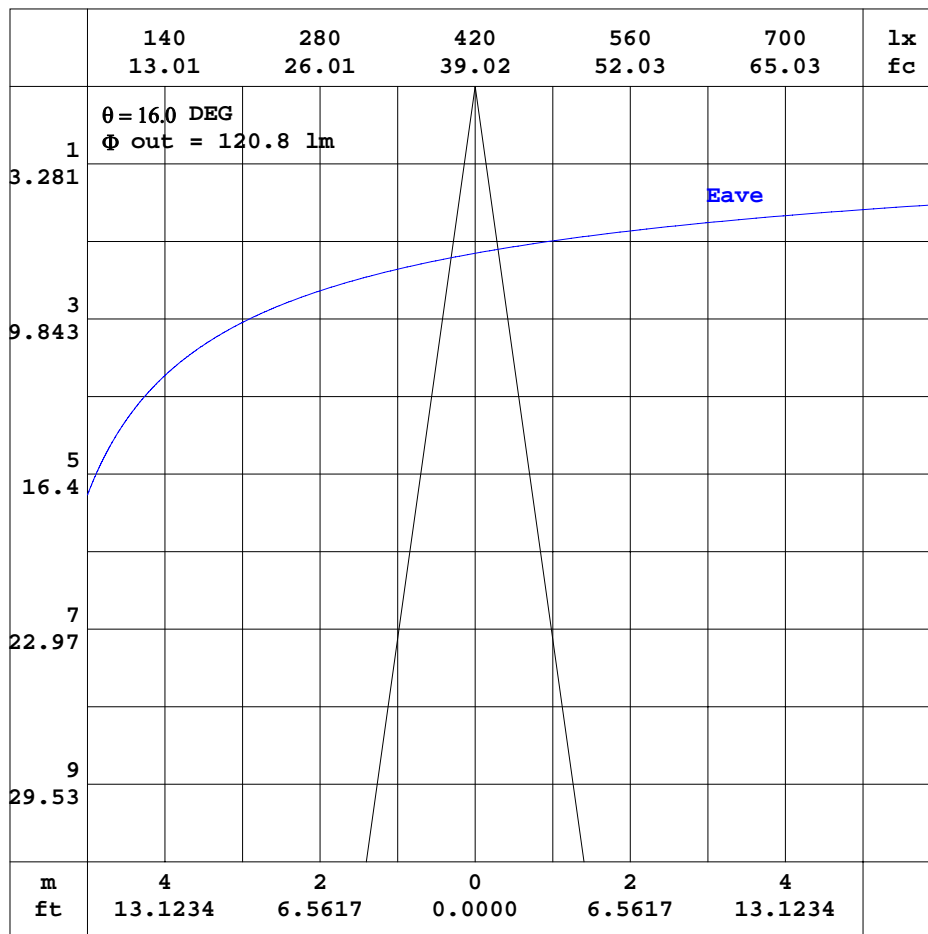


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.: A4133433-01	SUR.:1.280*0.042	Shielding Angle:



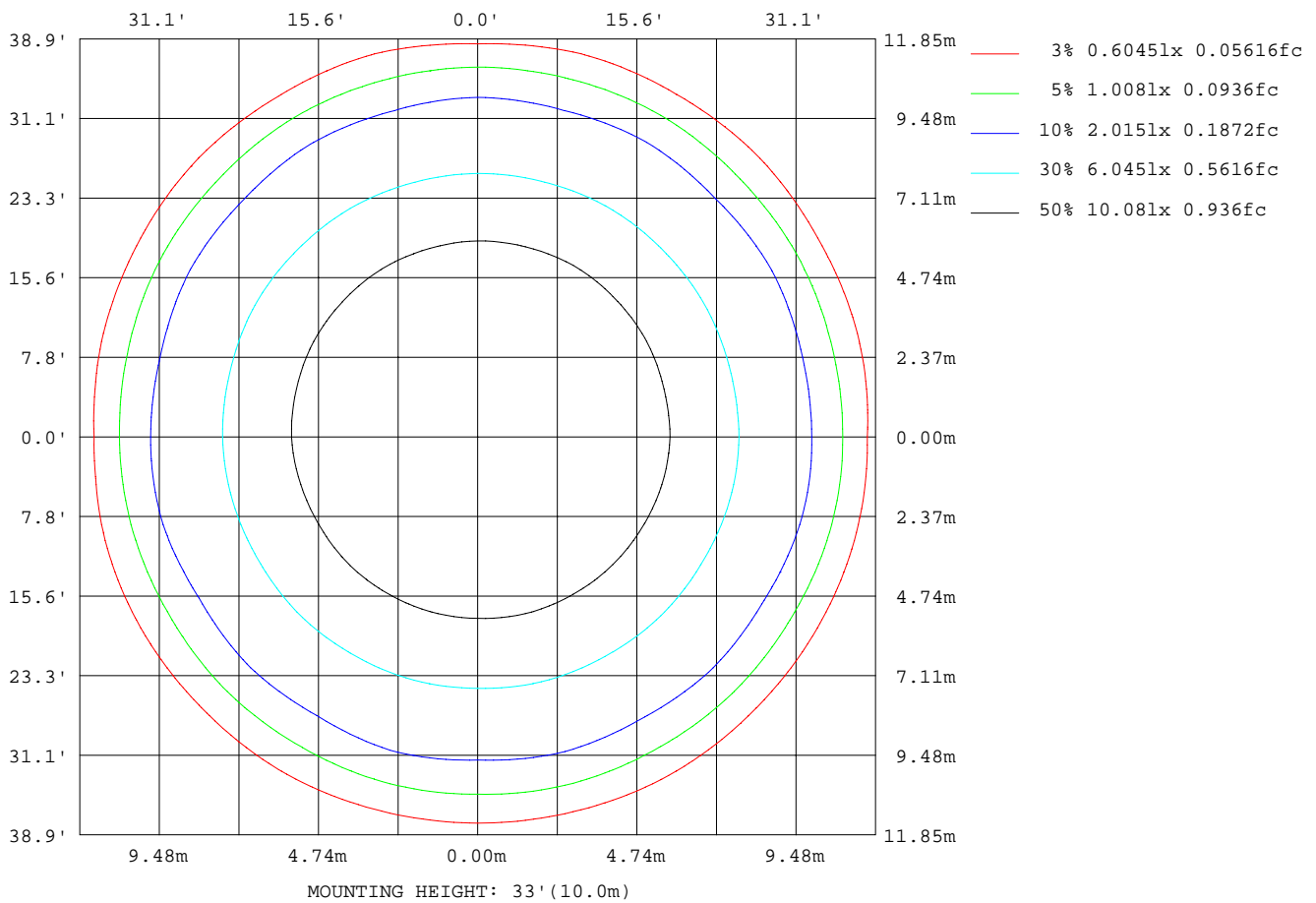
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.: A4133433-01	SUR.:1.280*0.042	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.: A4133433-01	SUR.:1.280*0.042	Shielding Angle:

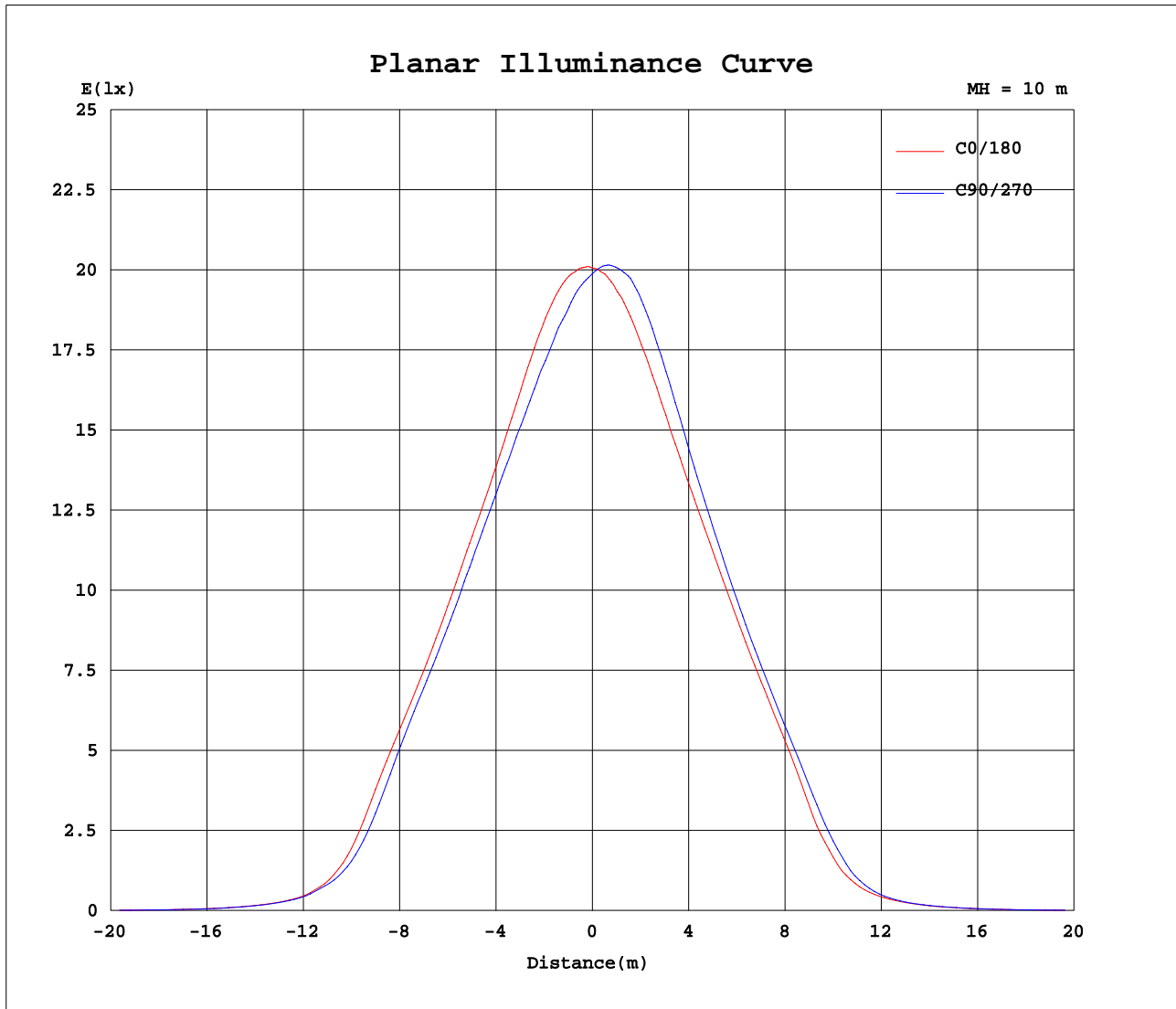
AvgL	cd/m2
L_0~180(65)av	310
L_0~180(75)av	30
L_0~180(85)av	225
L_90~270(65)av	303
L_90~270(75)av	13
L_90~270(85)av	46
L_45(65)av	513
L_45(75)av	39
L_45(85)av	148

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-09-18

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: 2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1285*48*76						SERIAL No.:		
MFR.: A4133433-01									SUR.:1.280*0.042						Shielding Angle:		

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2005	2005	2003	2002	2001	1999	1997	1996	1995	1995	1994	1994	1993	1993	1992	1992	1990	1989	1988
5	2010	2004	1997	1991	1983	1976	1969	1964	1960	1955	1950	1945	1940	1937	1934	1931	1927	1924	1921
10	1969	1960	1950	1939	1927	1915	1903	1895	1888	1881	1873	1865	1859	1855	1851	1848	1843	1837	1833
15	1881	1870	1859	1848	1836	1824	1813	1803	1794	1786	1779	1773	1768	1764	1760	1757	1753	1749	1745
20	1769	1760	1751	1741	1730	1720	1710	1705	1701	1698	1691	1684	1678	1675	1673	1671	1667	1663	1659
25	1664	1657	1649	1641	1632	1622	1614	1609	1604	1600	1594	1588	1582	1579	1578	1576	1571	1566	1562
30	1537	1531	1523	1515	1506	1496	1488	1483	1480	1477	1470	1463	1456	1454	1453	1451	1445	1438	1433
35	1363	1359	1353	1347	1338	1329	1321	1316	1311	1306	1298	1290	1283	1281	1280	1279	1274	1268	1264
40	1102	1098	1092	1083	1070	1056	1043	1036	1031	1025	1013	1000	989	983	979	974	965	955	948
45	550	554	554	548	531	514	498	498	501	502	489	474	461	464	468	471	460	448	438
50	181	185	188	190	190	188	187	187	187	187	185	183	181	181	181	181	177	173	170
55	72.9	73.4	74.3	75.5	77.3	79.2	81.0	82.5	83.5	83.9	83.0	81.6	79.8	78.0	76.2	74.4	72.5	71.0	70.2
60	25.8	25.7	26.0	26.7	27.7	29.1	30.7	33.1	35.3	36.7	35.7	33.9	31.7	30.0	28.4	27.0	26.0	25.3	25.0
65	6.52	6.53	6.66	6.91	7.26	7.75	8.38	9.48	10.5	11.2	10.7	9.85	8.87	8.25	7.72	7.29	6.94	6.71	6.62
70	1.69	1.72	1.76	1.81	1.87	1.94	2.00	2.07	2.12	2.14	2.06	1.95	1.83	1.71	1.61	1.52	1.45	1.41	1.41
75	0.23	0.27	0.29	0.31	0.30	0.28	0.28	0.30	0.33	0.35	0.32	0.29	0.27	0.31	0.35	0.38	0.31	0.24	0.17
80	0.27	0.26	0.25	0.24	0.25	0.25	0.25	0.23	0.20	0.18	0.17	0.17	0.17	0.18	0.18	0.18	0.17	0.15	0.14
85	0.43	0.42	0.40	0.38	0.35	0.32	0.29	0.26	0.23	0.20	0.19	0.17	0.16	0.16	0.15	0.15	0.15	0.14	0.14
90	0.57	0.47	0.39	0.34	0.30	0.28	0.27	0.25	0.23	9.18	0.19	0.17	11.3	0.15	0.15	10.1	0.15	0.16	0.16
95	47.6	47.8	49.3	52.0	56.4	61.7	67.5	74.4	80.6	85.0	84.7	82.4	78.6	74.2	69.3	64.6	60.2	57.0	55.7
100	138	140	144	152	164	178	190	199	203	203	191	176	161	150	141	133	127	124	122
105	300	304	310	318	332	344	352	347	335	317	291	264	238	224	213	205	198	194	192
110	503	508	511	510	509	504	492	467	437	404	372	342	316	300	288	280	272	266	264
115	657	658	654	645	632	614	591	557	519	481	449	420	395	377	364	354	345	340	338
120	760	758	750	737	718	694	665	629	591	554	524	497	474	455	439	426	417	412	411
125	827	825	816	802	780	754	724	692	659	626	600	575	554	532	514	499	489	484	482
130	870	866	857	844	825	803	778	751	724	697	672	649	627	606	587	571	562	557	556
135	905	901	894	884	869	852	832	811	789	765	741	717	694	674	656	641	632	627	626
140	941	940	935	927	915	901	884	864	843	821	798	776	755	737	721	709	701	696	695
145	976	973	968	961	951	939	924	906	886	865	846	827	809	795	782	773	766	762	761
150	994	993	989	983	973	962	948	933	917	900	885	871	859	848	838	831	826	823	822
155	1000	999	996	991	983	975	965	954	943	933	923	913	904	896	888	882	879	876	876
160	1000	999	997	994	991	986	981	974	966	959	953	948	943	937	931	926	923	921	921
165	1004	1003	1001	1000	998	995	992	989	985	981	978	974	971	968	965	962	960	959	958
170	1007	1007	1008	1007	1006	1004	1002	1001	1000	998	996	994	991	990	988	987	986	985	984
175	1007	1007	1007	1007	1006	1006	1005	1005	1005	1005	1005	1004	1004	1004	1004	1003	1003	1003	1003
180	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1285*48*76					SERIAL No.:				
MFR.: A4133433-01									SUR.:1.280*0.042					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	1991	1993	1994	1992	1989	1986	1986	1987	1988	1987	1986	1985	1984	1985	1987	1993	2000	2005	2006
5	1921	1921	1922	1921	1920	1920	1921	1923	1925	1927	1929	1931	1933	1937	1942	1954	1966	1977	1981
10	1833	1834	1835	1833	1831	1830	1832	1834	1837	1839	1842	1845	1850	1856	1865	1879	1894	1907	1915
15	1744	1743	1742	1741	1739	1739	1740	1742	1744	1746	1747	1750	1754	1761	1769	1783	1797	1811	1819
20	1656	1654	1653	1651	1650	1649	1649	1649	1650	1651	1652	1655	1658	1663	1670	1681	1693	1704	1710
25	1560	1559	1558	1555	1553	1552	1552	1552	1554	1554	1555	1557	1561	1567	1574	1584	1594	1603	1608
30	1432	1432	1432	1430	1428	1427	1428	1431	1434	1434	1434	1435	1439	1444	1451	1460	1469	1478	1482
35	1263	1263	1263	1261	1258	1257	1258	1261	1263	1262	1261	1261	1266	1272	1279	1288	1296	1304	1307
40	948	951	954	950	946	944	949	956	963	963	962	963	971	982	993	1001	1008	1013	1017
45	444	452	459	449	437	425	426	429	432	428	424	424	437	452	466	471	472	472	471
50	173	176	180	181	181	181	182	183	184	183	181	180	181	181	181	177	173	170	171
55	71.1	72.8	74.9	76.8	78.7	80.6	82.5	84.1	85.0	84.5	83.4	81.7	79.7	77.5	75.3	73.1	71.3	70.1	69.7
60	25.4	26.1	27.2	28.4	29.8	31.4	33.8	35.8	37.2	36.2	34.5	32.4	30.7	29.1	27.7	26.5	25.6	25.1	25.1
65	6.79	7.10	7.53	7.96	8.50	9.17	10.4	11.5	12.2	11.8	11.0	9.97	9.25	8.61	8.08	7.79	7.63	7.56	7.44
70	1.46	1.56	1.70	1.87	2.07	2.28	2.54	2.77	2.94	2.94	2.88	2.76	2.66	2.54	2.40	2.16	1.95	1.79	1.82
75	0.18	0.20	0.23	0.22	0.22	0.22	0.30	0.38	0.45	0.44	0.42	0.38	0.37	0.37	0.39	0.46	0.54	0.60	0.56
80	0.14	0.15	0.15	0.16	0.17	0.18	0.22	0.26	0.30	0.33	0.37	0.43	0.57	0.71	0.83	0.81	0.75	0.69	0.67
85	0.14	0.15	0.16	0.16	0.16	0.21	0.34	0.51	0.68	0.81	0.94	1.07	1.25	1.43	1.58	1.64	1.67	1.68	1.70
90	0.14	0.16	0.23	0.46	0.76	1.13	1.56	2.00	2.40	2.59	2.74	2.89	3.17	3.47	3.78	4.06	4.32	4.54	4.67
95	58.3	63.0	69.0	76.1	83.5	90.7	97.8	103	106	102	95.9	88.3	81.6	75.2	69.9	66.7	64.9	64.6	65.8
100	125	130	137	147	158	172	192	212	227	231	230	223	211	196	183	175	171	170	173
105	195	201	209	218	231	248	277	308	337	360	377	387	383	374	363	355	349	346	351
110	268	275	284	293	306	324	352	385	419	454	487	515	530	540	544	545	543	540	541
115	341	348	357	368	382	401	428	459	493	532	570	604	629	648	662	670	674	674	672
120	413	420	430	442	457	477	501	530	561	598	636	672	701	726	745	758	764	765	760
125	485	491	501	516	534	554	576	600	627	659	693	725	753	778	799	813	821	823	817
130	557	563	572	587	606	626	647	670	694	720	747	773	797	818	836	849	857	859	853
135	627	632	641	655	672	692	713	735	757	780	802	822	841	858	872	882	889	891	886
140	696	700	708	720	734	752	771	791	811	832	851	869	885	898	909	917	922	923	920
145	762	765	770	779	791	805	820	837	855	872	890	906	919	931	940	947	951	953	950
150	822	824	829	836	844	854	865	877	890	904	918	932	943	953	961	967	970	971	968
155	876	877	879	884	890	898	905	913	922	932	941	950	959	966	972	976	978	979	977
160	921	922	924	927	931	935	940	944	949	955	961	967	972	976	980	982	984	984	982
165	958	958	959	960	962	964	966	969	971	974	978	981	984	986	988	989	989	989	988
170	984	984	985	986	987	988	988	989	990	991	992	994	994	995	995	996	996	996	995
175	1002	1001	1000	1000	1001	1001	1001	1001	1001	1001	1001	1002	1002	1002	1002	1001	1001	1001	1001
180	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1285*48*76					SERIAL No.:				
MFR.: A4133433-01									SUR.:1.280*0.042					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	2004	2002	2001	1999	1997	1996	1995	1995	1994	1994	1993	1993	1992	1992	1990	1989	1988	1991	1993
5	1983	1985	1988	1992	1996	2001	2006	2011	2014	2017	2019	2023	2028	2031	2033	2034	2034	2035	2036
10	1920	1926	1936	1947	1957	1965	1972	1979	1989	1999	2009	2015	2021	2025	2031	2036	2040	2042	2042
15	1825	1831	1841	1851	1862	1872	1882	1891	1902	1913	1923	1932	1940	1947	1955	1961	1966	1969	1970
20	1716	1721	1730	1739	1749	1759	1768	1778	1788	1798	1808	1816	1823	1830	1839	1847	1853	1853	1851
25	1612	1615	1622	1630	1638	1646	1654	1661	1670	1678	1685	1692	1698	1704	1710	1715	1719	1720	1719
30	1486	1489	1496	1503	1510	1515	1520	1525	1532	1540	1546	1549	1552	1555	1561	1567	1572	1573	1574
35	1310	1314	1322	1331	1339	1343	1347	1351	1357	1364	1370	1374	1377	1379	1385	1390	1394	1394	1393
40	1020	1025	1037	1049	1061	1066	1071	1075	1085	1095	1103	1103	1103	1102	1109	1117	1124	1123	1121
45	471	475	493	513	531	534	535	538	554	571	586	586	582	580	592	605	615	609	600
50	173	176	182	188	194	199	203	206	206	206	205	209	211	212	207	200	195	200	206
55	70.0	71.3	74.5	78.1	81.5	83.0	84.0	84.6	85.7	86.2	85.8	82.6	78.8	75.2	73.8	73.1	73.0	72.8	73.1
60	25.5	26.2	27.6	29.2	30.9	33.0	34.9	36.1	35.8	34.7	33.0	30.9	28.7	26.8	26.1	25.8	25.8	25.6	25.8
65	7.43	7.58	8.06	8.69	9.41	10.3	11.1	11.6	11.3	10.7	9.85	9.05	8.28	7.61	7.31	7.16	7.11	7.01	7.03
70	1.94	2.11	2.30	2.49	2.67	2.79	2.87	2.87	2.77	2.62	2.43	2.23	2.03	1.86	1.78	1.73	1.73	1.73	1.77
75	0.50	0.43	0.40	0.39	0.41	0.52	0.63	0.70	0.62	0.51	0.39	0.33	0.29	0.26	0.22	0.20	0.19	0.20	0.23
80	0.65	0.65	0.67	0.69	0.69	0.62	0.53	0.45	0.40	0.36	0.33	0.29	0.27	0.24	0.23	0.22	0.22	0.22	0.22
85	1.71	1.71	1.72	1.71	1.66	1.53	1.36	1.18	1.01	0.84	0.68	0.51	0.37	0.27	0.25	0.27	0.29	0.27	0.25
90	4.76	4.84	4.96	5.05	5.07	4.96	4.75	4.45	4.03	3.54	2.98	2.31	1.65	1.07	0.77	0.59	0.49	0.41	0.39
95	68.2	71.8	76.8	82.5	88.1	94.3	98.8	101	95.5	87.9	79.2	72.5	66.3	60.7	55.4	51.3	49.3	51.7	55.8
100	180	189	201	213	222	223	220	211	194	174	154	142	133	125	119	114	112	115	121
105	359	367	375	379	376	359	336	309	280	252	226	212	201	194	186	180	178	182	189
110	540	537	528	513	492	461	425	388	356	327	302	285	272	263	254	248	247	251	259
115	665	653	633	608	578	540	500	461	429	401	376	358	343	332	324	319	319	323	331
120	749	732	708	679	646	609	571	535	503	475	450	430	414	402	394	389	389	393	401
125	804	786	762	733	702	669	636	603	574	547	523	503	485	472	463	458	457	462	472
130	842	826	804	780	753	726	698	671	644	618	595	575	558	544	534	528	527	533	544
135	877	863	847	827	806	783	759	735	709	684	661	641	625	613	604	598	598	604	614
140	913	902	888	872	853	833	812	790	767	745	725	707	692	680	672	668	667	673	683
145	943	934	923	909	893	875	857	837	818	799	781	768	758	750	743	739	739	743	751
150	963	955	945	933	920	905	890	875	861	847	835	825	816	809	804	802	802	807	813
155	973	967	960	951	942	933	923	912	902	891	881	874	868	864	861	859	860	863	869
160	978	974	970	965	960	954	948	942	935	928	922	918	915	913	910	908	908	910	915
165	986	984	981	978	975	971	967	963	960	958	956	954	952	951	950	950	950	952	954
170	994	993	992	990	988	987	986	985	983	981	979	978	978	978	977	977	978	979	981
175	1000	1000	998	997	996	996	996	996	997	997	998	998	998	998	997	996	996	997	998
180	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-09-18

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:229.72V I:0.2652A P:59.209W PF:0.9721 Freq:49.99Hz Lamp Flux:6141.84x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1285*48*76						SERIAL No.:		
MFR.: A4133433-01									SUR.:1.280*0.042						Shielding Angle:		

Table--4

UNIT: cd

C(°) γ (°)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1994	1992	1989	1986	1986	1987	1988	1987	1986	1985	1984	1985	1987	1991	1997				
5	2036	2036	2035	2033	2031	2028	2025	2022	2019	2015	2010	2006	2002	2003	2005				
10	2041	2040	2037	2034	2030	2025	2019	2013	2007	2000	1991	1983	1975	1971	1969				
15	1969	1968	1965	1961	1955	1948	1940	1934	1927	1919	1908	1897	1888	1883	1881				
20	1848	1847	1845	1841	1835	1828	1821	1815	1809	1802	1793	1783	1775	1771	1769				
25	1718	1718	1717	1715	1710	1704	1698	1694	1689	1685	1678	1671	1666	1663	1662				
30	1573	1575	1576	1576	1572	1567	1562	1560	1557	1555	1549	1543	1538	1536	1535				
35	1392	1394	1395	1396	1393	1389	1384	1382	1381	1379	1373	1367	1362	1361	1361				
40	1120	1124	1129	1132	1128	1123	1118	1118	1119	1119	1113	1106	1100	1099	1099				
45	592	601	610	617	606	592	580	586	594	599	586	570	555	549	547				
50	213	213	212	211	212	213	213	211	207	203	203	202	201	196	189				
55	74.4	78.2	82.4	86.2	87.2	87.3	86.9	87.4	87.4	86.5	83.0	79.0	75.3	73.5	72.7				
60	26.4	28.1	30.1	32.3	34.5	36.3	37.4	36.8	35.4	33.5	31.1	28.7	26.6	25.7	25.4				
65	7.20	7.68	8.31	9.06	10.1	11.0	11.6	11.1	10.3	9.29	8.45	7.68	7.04	6.68	6.50				
70	1.83	1.93	2.05	2.17	2.29	2.39	2.45	2.42	2.35	2.26	2.18	2.11	2.02	1.92	1.81				
75	0.26	0.26	0.28	0.32	0.45	0.58	0.67	0.59	0.49	0.38	0.38	0.40	0.42	0.38	0.32				
80	0.23	0.25	0.27	0.29	0.32	0.34	0.37	0.40	0.44	0.48	0.58	0.66	0.70	0.62	0.48				
85	0.25	0.29	0.36	0.44	0.52	0.61	0.71	0.86	1.00	1.12	1.16	1.15	1.07	0.93	0.71				
90	0.43	0.58	0.76	0.95	1.10	1.22	1.29	1.25	1.18	1.09	1.07	1.05	1.01	0.90	0.75				
95	61.0	65.9	70.7	74.8	77.9	79.6	79.2	74.3	68.1	61.5	57.0	53.3	50.5	48.6	47.7				
100	128	137	147	158	174	188	198	196	188	178	167	157	148	142	139				
105	199	208	220	236	263	291	316	330	339	341	334	324	312	306	302				
110	270	281	295	314	342	374	407	439	467	490	499	503	503	505	505				
115	342	355	371	392	420	452	486	522	558	590	614	632	646	654	658				
120	413	429	448	471	498	529	561	598	634	668	698	722	742	754	760				
125	485	503	524	548	574	602	632	664	697	729	758	783	804	818	825				
130	559	577	598	622	647	674	702	730	757	783	808	831	849	861	868				
135	628	646	667	690	716	742	769	793	816	837	857	875	889	898	904				
140	696	712	731	752	776	801	826	849	869	888	905	919	930	937	941				
145	762	775	790	807	827	849	871	892	911	928	943	955	965	972	975				
150	822	832	844	858	873	890	907	924	939	954	966	977	985	991	994				
155	876	884	893	903	913	924	935	947	959	969	978	986	993	997	1000				
160	920	926	932	938	945	953	960	967	974	981	987	992	996	999	1000				
165	957	961	965	969	973	978	982	985	989	992	995	998	1001	1002	1003				
170	983	985	986	988	990	993	995	997	999	1000	1002	1004	1005	1006	1007				
175	999	999	999	1000	1001	1002	1003	1004	1004	1004	1005	1005	1006	1006	1007				
180	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-09-18

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: