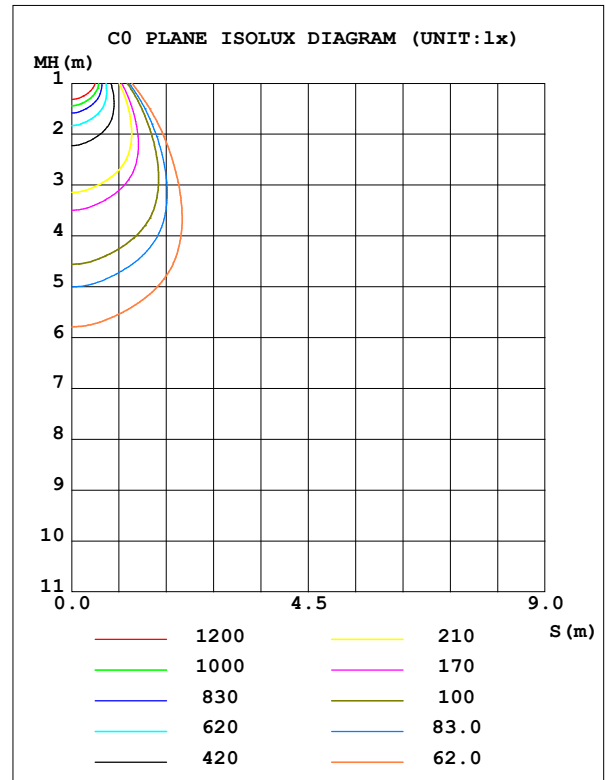
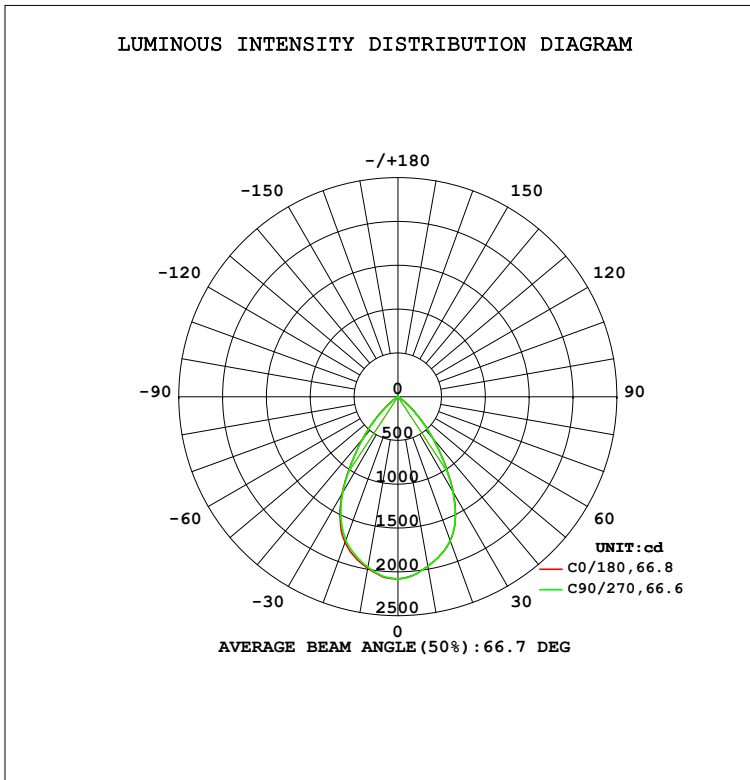


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm		
NAME: SLCD151F-60S3P-TWD63-NW	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.06 lm/W
MODEL	SLCD151F-60S3P-TWD63-NW	I _{max} (cd)	2079	S/MH (C0/180)	0.99	
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	0.99	
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	2338.4	η UP,DN (C0-180)	0.0,49.9	
NOMINAL FLUX (lm)	2338.38	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.1	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00	
TEST VOLTAGE (V)	240.2	η down (%)	100.0	CIBSE SHR MAX	1.00	



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

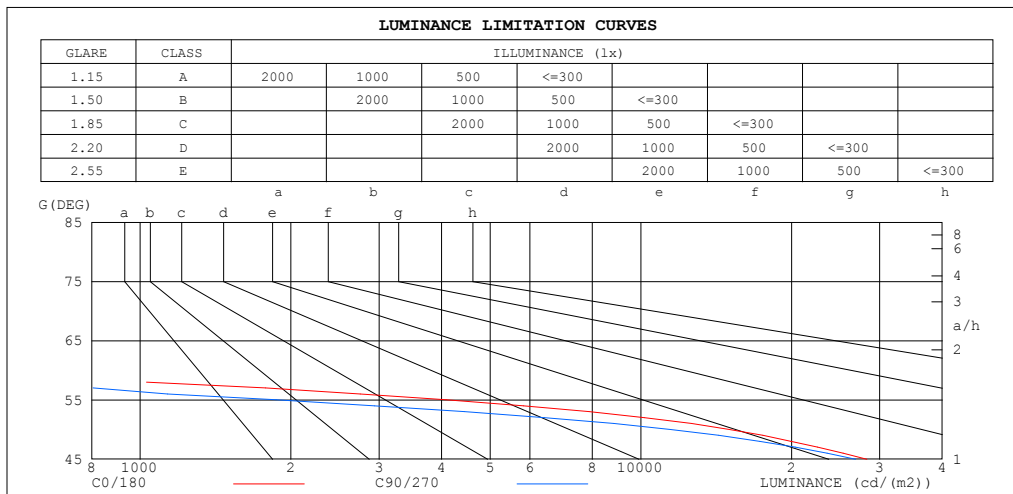
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum,lamp
10	1965	1964	1988	1975					0- 10	193.1	193.1	8.26,8.26
20	1749	1748	1768	1740					10- 20	527.8	720.9	30.8,30.8
30	1264	1258	1271	1255					20- 30	703.8	1425	60.9,60.9
40	625.9	617.8	629.2	617.6					30- 40	578.3	2003	85.7,85.7
50	181.8	138.7	184.6	146.3					40- 50	286.4	2289	97.9,97.9
60	6.115	5.168	6.285	5.805					50- 60	45.36	2335	99.8,99.8
70	1.399	1.006	1.375	1.238					60- 70	2.994	2338	100,100
80	0.1973	0.1615	0.1404	0.1900					70- 80	0.5881	2338	100,100
90	0.0843	0.0844	0.0914	0.0844					80- 90	0.1237	2338	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm		
NAME: SLCD151F-60S3P-TWD63-NW	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	60	47
80	60	49
75	119	75
70	218	156
65	374	305
60	651	550
55	4082	1870
50	15048	11473
45	28299	26853

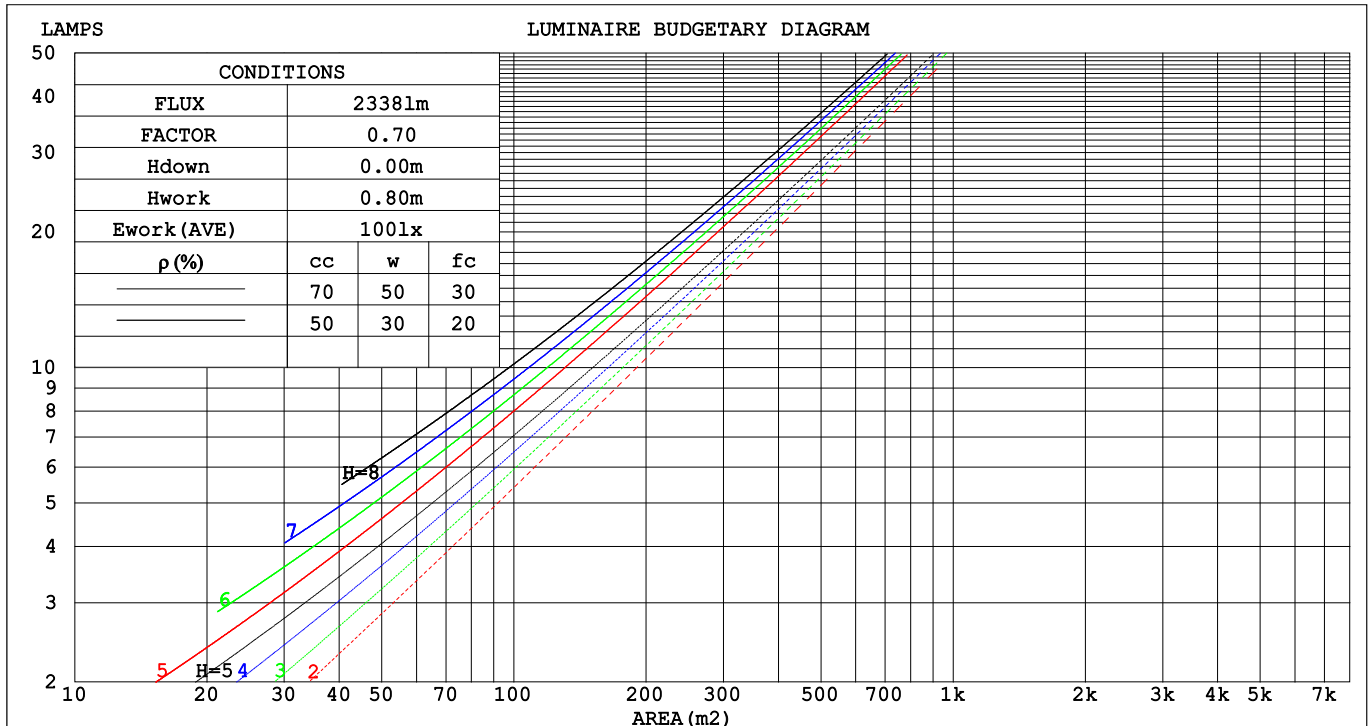
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm		
NAME: SLCD151F-60S3P-TWD63-NW	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	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															



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm																	
NAME: SLCD151F-60S3P-TWD63-NW									TYPE:25W			WEIGHT:					
SPEC.:4000K									DIM.:			SERIAL No.:1					
MFR.:									SUR.:0.0188			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	.188	.107	.034	.181	.103	.033	.169	.097	.031	.157	.091	.029	.146	.085	.027	
2.0	.182	.100	.031	.176	.097	.030	.166	.092	.029	.156	.087	.027	.147	.083	.026	
3.0	.175	.093	.028	.170	.091	.027	.161	.087	.026	.152	.083	.026	.144	.080	.025	
4.0	.167	.087	.026	.163	.085	.025	.155	.082	.025	.147	.079	.024	.140	.076	.023	
5.0	.160	.081	.024	.156	.080	.023	.149	.078	.023	.142	.075	.022	.136	.073	.022	
6.0	.153	.076	.022	.149	.075	.022	.143	.073	.021	.137	.071	.021	.132	.069	.021	
7.0	.146	.072	.020	.143	.071	.020	.137	.069	.020	.132	.068	.020	.127	.066	.019	
8.0	.140	.068	.019	.137	.067	.019	.132	.066	.019	.127	.065	.019	.123	.063	.018	
9.0	.134	.065	.018	.131	.064	.018	.127	.063	.018	.123	.061	.018	.119	.060	.017	
10.0	.128	.061	.017	.126	.061	.017	.122	.060	.017	.118	.059	.017	.114	.058	.017	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.135	.114	.096	.093	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.146	.114	.088	.125	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.071	.117	.086	.061	.081	.060	.043	.047	.035	.026	.015	.011	.008	
5.0	.129	.088	.058	.110	.076	.050	.076	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.122	.079	.048	.104	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.115	.071	.040	.099	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.110	.065	.035	.095	.057	.030	.065	.040	.021	.038	.023	.013	.012	.008	.004	
9.0	.105	.060	.030	.090	.052	.026	.063	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.100	.056	.026	.087	.049	.023	.060	.034	.016	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm											
NAME: SLCD151F-60S3P-TWD63-NW					TYPE:25W			WEIGHT:			
SPEC.:4000K					DIM.:			SERIAL No.:1			
MFR.:					SUR.:0.0188			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	16.9	17.9	17.1	18.1	18.3	16.7	17.8	17.0	17.9	18.1
	3H	16.7	17.7	17.0	17.9	18.1	16.5	17.5	16.8	17.7	17.9
	4H	16.6	17.5	16.9	17.7	18.0	16.5	17.4	16.7	17.6	17.8
	6H	16.5	17.4	16.8	17.6	17.9	16.4	17.2	16.7	17.4	17.7
	8H	16.5	17.3	16.8	17.6	17.8	16.3	17.1	16.6	17.4	17.6
	12H	16.4	17.2	16.8	17.5	17.8	16.3	17.0	16.6	17.3	17.6
4H	2H	16.6	17.5	16.9	17.8	18.0	16.5	17.4	16.7	17.6	17.8
	3H	16.5	17.2	16.8	17.5	17.8	16.3	17.1	16.6	17.3	17.6
	4H	16.4	17.1	16.7	17.4	17.7	16.2	16.9	16.5	17.2	17.5
	6H	16.3	16.9	16.6	17.2	17.6	16.1	16.7	16.5	17.0	17.4
	8H	16.2	16.8	16.6	17.1	17.5	16.0	16.6	16.4	17.0	17.3
	12H	16.2	16.7	16.6	17.0	17.4	16.0	16.5	16.4	16.9	17.3
8H	4H	16.2	16.8	16.6	17.1	17.5	16.0	16.6	16.4	17.0	17.3
	6H	16.1	16.6	16.5	17.0	17.4	15.9	16.4	16.4	16.8	17.2
	8H	16.1	16.5	16.5	16.9	17.3	15.9	16.3	16.3	16.7	17.2
	12H	16.0	16.4	16.5	16.8	17.3	15.8	16.2	16.3	16.6	17.1
12H	4H	16.2	16.7	16.6	17.0	17.4	16.0	16.5	16.4	16.9	17.3
	6H	16.1	16.5	16.5	16.9	17.3	15.9	16.3	16.3	16.7	17.2
	8H	16.0	16.4	16.5	16.8	17.3	15.8	16.2	16.3	16.6	17.1
Variations with the observer position at spacings:											
S = 1.0H	+ 2.5 / -19.0					+ 2.5 / -21.4					
1.5H	+ 3.7 / -13.1					+ 3.9 / -14.7					
2.0H	+ 6.7 / -20.0					+ 7.0 / -19.8					

CIE Pub.117, 2338 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.0)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm		
NAME: SLCD151F-60S3P-TWD63-NW	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:

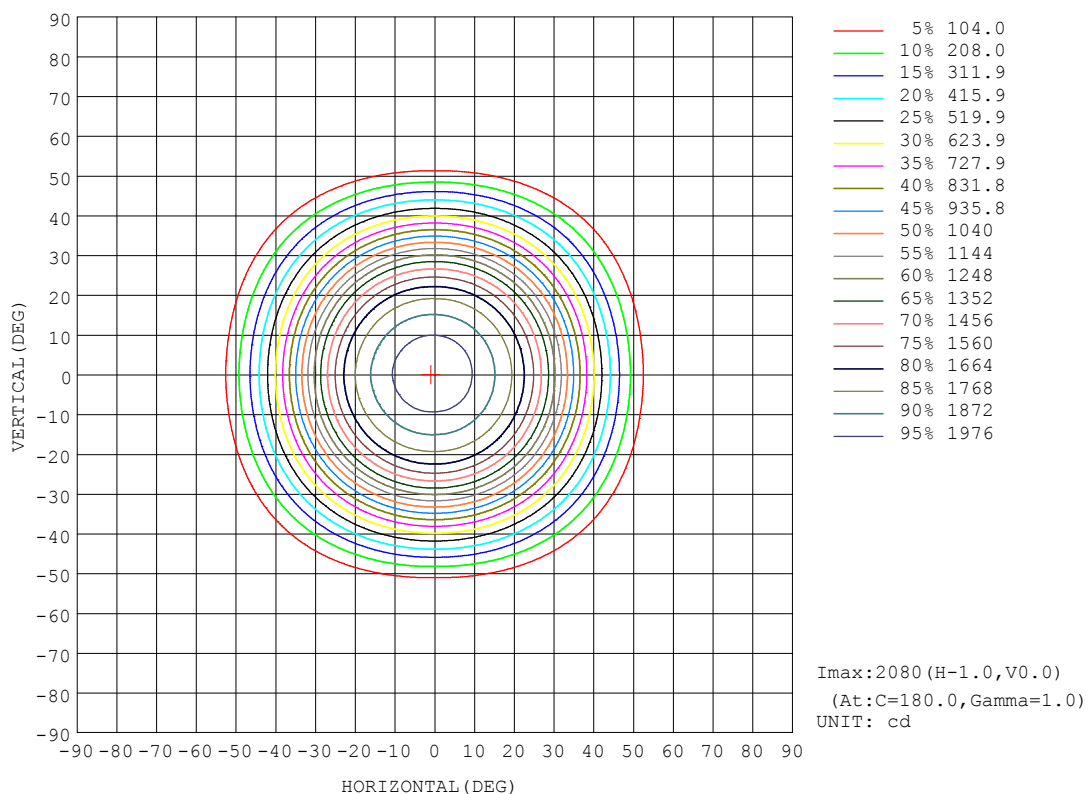
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	82	75	71	82	75	71	81	75	71	67
0.80	91	84	80	90	84	80	89	83	79	75
1.00	96	90	86	95	90	86	94	90	85	81
1.25	101	95	91	100	95	91	98	94	90	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm		
NAME: SLCD151F-60S3P-TWD63-NW	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:

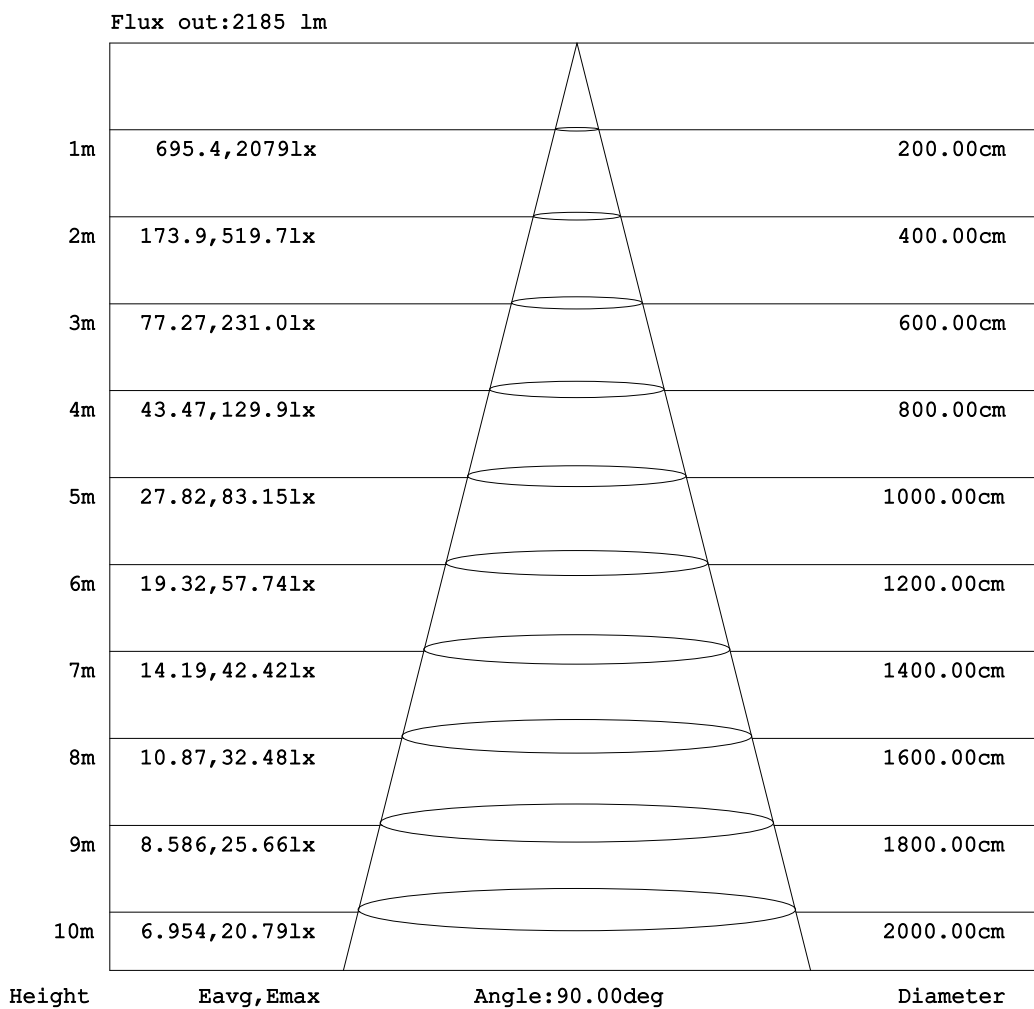


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm		
NAME: SLCD151F-60S3P-TWD63-NW	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:



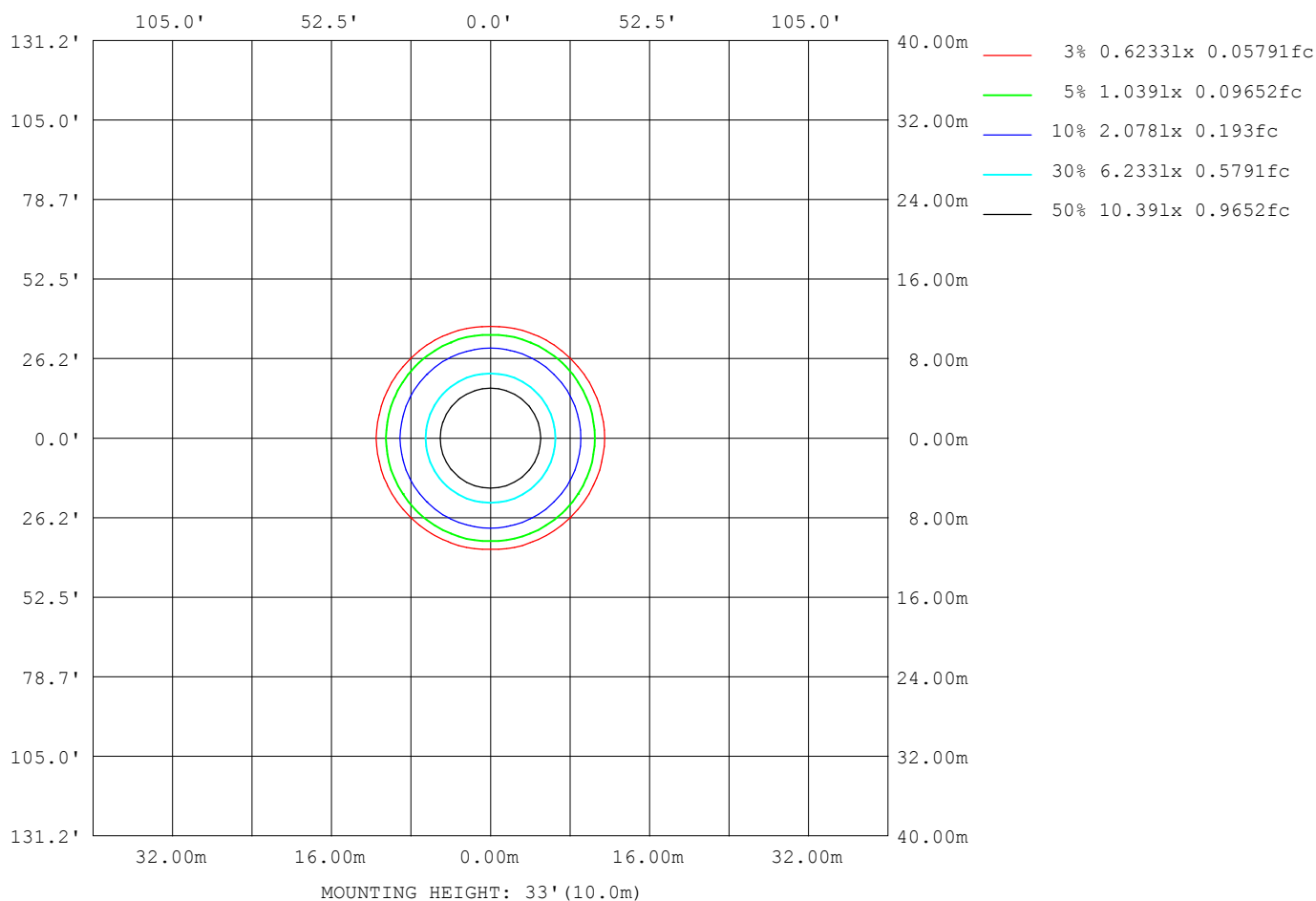
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm		
NAME: SLCD151F-60S3P-TWD63-NW	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.20V I:0.1060A P:24.600W PF:0.9600 Freq:50.00Hz Lamp Flux:2338.38x1 lm		
NAME: SLCD151F-60S3P-TWD63-NW	TYPE:25W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.0188	Shielding Angle:

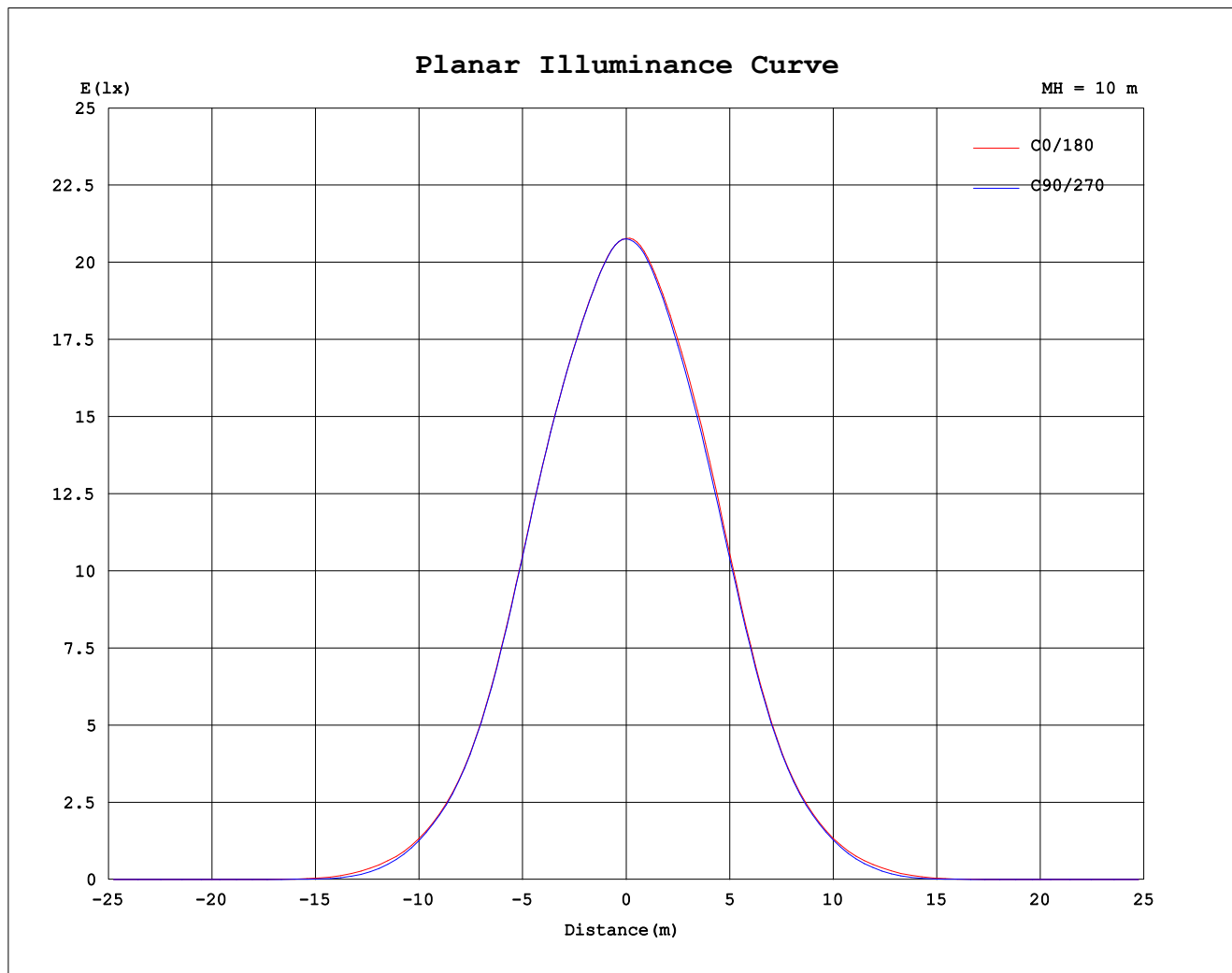
AvgL	cd/m2
L_0~180 (65) av	377
L_0~180 (75) av	113
L_0~180 (85) av	58
L_90~270 (65) av	327
L_90~270 (75) av	85
L_90~270 (85) av	69
L_45 (65) av	346
L_45 (75) av	96
L_45 (85) av	65

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-02-04

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-02-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: 65.0%
Test Distance: 10.237m [K=1.0000]
Remarks:

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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

```