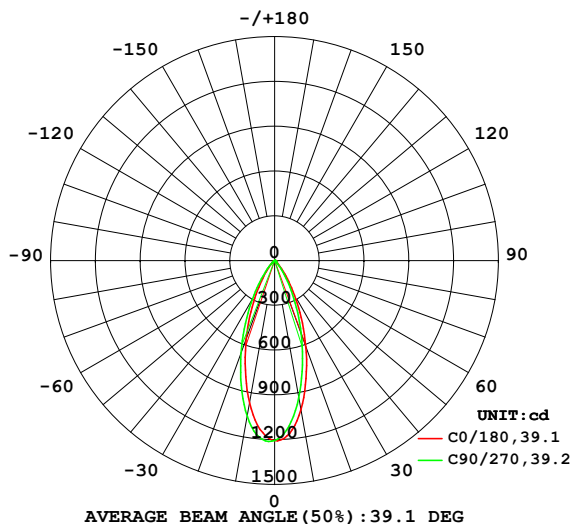


LUMINAIRE PHOTOMETRIC TEST REPORT

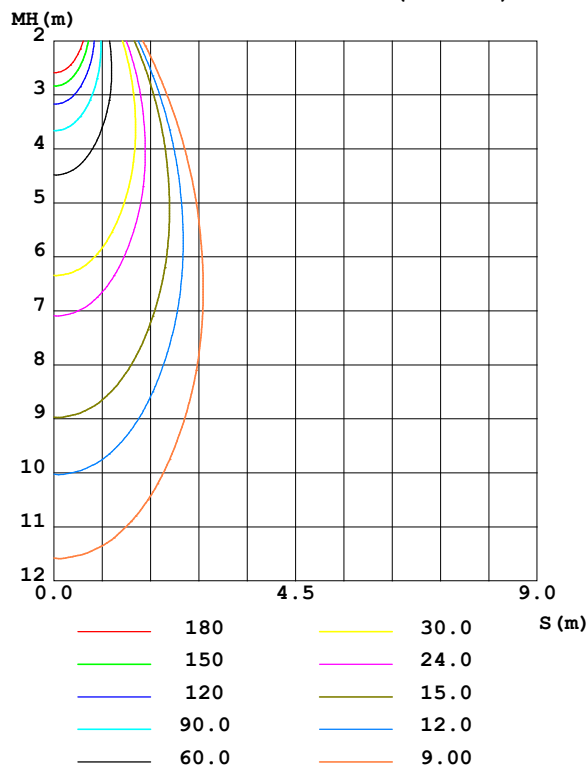
Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm		
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 85.59 lm/W
MODEL		I _{max} (cd)	1213	S/MH (C0/180)		0.60
NOMINAL POWER (W)	8	LOR (%)	100.0	S/MH (C90/270)		0.68
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	643.85	η UP, DN (C0-180)		0.0,46.8
NOMINAL FLUX (lm)	643.854	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.0,53.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX		0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2022-02-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 3.080m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

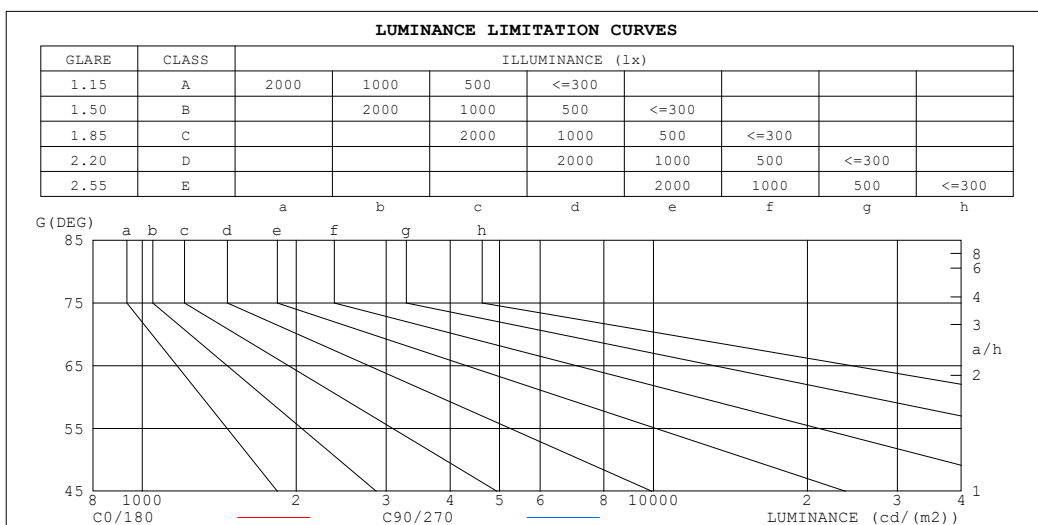
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1016	973.9	934.6	941.8	968.9	1019	1060	1046	0- 10	104.7	104.7	16.3,16.3
20	613.2	561.2	522.3	529.2	558.0	609.2	659.2	653.0	10- 20	218.2	322.9	50.2,50.2
30	267.6	228.1	207.3	212.9	233.1	263.0	298.6	300.8	20- 30	184.4	507.3	78.8,78.8
40	74.18	60.78	52.74	56.76	64.94	73.52	87.06	93.37	30- 40	90.06	597.4	92.8,92.8
50	19.48	16.99	13.09	17.18	19.75	20.97	19.68	21.60	40- 50	27.94	625.3	97.1,97.1
60	9.171	7.643	6.333	7.664	9.333	9.205	7.536	9.076	50- 60	10.80	636.1	98.8,98.8
70	5.075	2.237	2.000	2.279	4.586	3.465	2.236	3.681	60- 70	5.625	641.7	99.7,99.7
80	1.251	0.5838	0.1757	0.5053	1.419	0.7736	0.4622	0.7558	70- 80	1.887	643.6	100,100
90	0	0.0110	0	0	0.0043	0.0027	0	0.0027	80- 90	0.2371	643.9	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: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-02-11

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm		
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	31	19
80	65	9
75	66	37
70	134	53
65	143	74
60	165	114
55	193	135
50	273	183
45	419	285

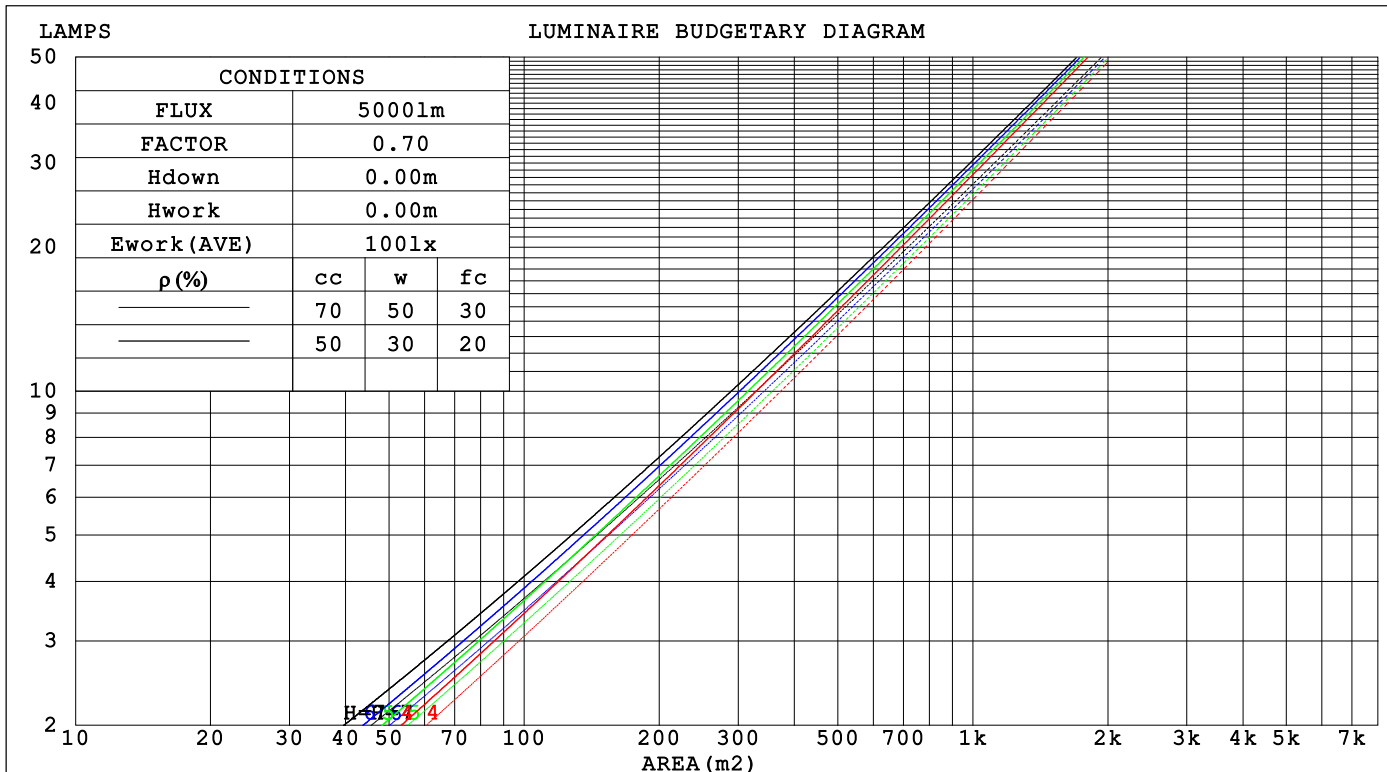
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2022-02-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 3.080m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm		
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00														
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94														
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88														
3.0	.98	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83														
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.80	.85	.82	.79	.78														
5.0	.87	.81	.77	.86	.81	.77	.84	.80	.76	.82	.79	.76	.81	.78	.75	.74														
6.0	.82	.77	.73	.81	.76	.72	.80	.75	.72	.78	.74	.71	.77	.74	.71	.70														
7.0	.78	.72	.68	.77	.72	.68	.76	.71	.68	.75	.71	.67	.74	.70	.67	.66														
8.0	.74	.68	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.70	.67	.64	.62														
9.0	.70	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.67	.64	.61	.59														
10.0	.67	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.65	.61	.58	.57														



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-02-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm		
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	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	.170	.097	.031	.163	.093	.030	.151	.086	.028	.139	.080	.026	.128	.074	.024		
2.0	.162	.089	.027	.156	.086	.026	.146	.081	.025	.136	.076	.024	.127	.072	.023		
3.0	.153	.082	.024	.148	.079	.024	.139	.076	.023	.131	.072	.022	.124	.068	.021		
4.0	.145	.075	.022	.141	.074	.022	.133	.071	.021	.126	.068	.020	.120	.065	.020		
5.0	.138	.070	.020	.134	.069	.020	.128	.067	.020	.122	.064	.019	.116	.062	.019		
6.0	.131	.066	.019	.128	.065	.019	.122	.063	.018	.117	.061	.018	.112	.059	.017		
7.0	.125	.062	.018	.122	.061	.017	.117	.059	.017	.113	.058	.017	.108	.056	.016		
8.0	.120	.058	.016	.117	.058	.016	.113	.056	.016	.108	.055	.016	.104	.054	.016		
9.0	.114	.055	.015	.112	.055	.015	.108	.054	.015	.104	.052	.015	.101	.051	.015		
10.0	.110	.053	.015	.108	.052	.015	.104	.051	.014	.101	.050	.014	.097	.049	.014		

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	.171	.157	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016		
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013		
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011		
4.0	.131	.099	.074	.113	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009		
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.013	.010	.007		
6.0	.114	.077	.051	.098	.067	.044	.068	.047	.031	.039	.028	.019	.013	.009	.006		
7.0	.108	.070	.043	.093	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005		
8.0	.102	.063	.037	.088	.055	.032	.061	.039	.023	.035	.023	.014	.011	.007	.005		
9.0	.096	.058	.032	.083	.050	.028	.058	.035	.020	.034	.021	.012	.011	.007	.004		
10.0	.092	.054	.028	.079	.047	.025	.055	.033	.018	.032	.019	.010	.010	.006	.003		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-02-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm										
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH					TYPE:			WEIGHT:		
SPEC.: 4000K					DIM.:			SERIAL No.:		
MFR.: Envisionled					SUR.:			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	5.9	6.8	6.2	7.0	7.1	4.6	5.5	4.8	5.6	5.8
3H	6.1	6.9	6.3	7.1	7.3	4.5	5.3	4.8	5.5	5.7
4H	6.1	6.8	6.3	7.0	7.3	4.5	5.2	4.7	5.4	5.7
6H	6.0	6.7	6.3	7.0	7.2	4.4	5.1	4.7	5.3	5.6
8H	6.0	6.7	6.3	6.9	7.2	4.3	5.0	4.6	5.3	5.5
12H	5.9	6.6	6.3	6.9	7.2	4.3	5.0	4.6	5.2	5.5
4H 2H	5.8	6.6	6.1	6.8	7.0	4.5	5.3	4.8	5.5	5.7
3H	6.0	6.7	6.3	6.9	7.2	4.4	5.1	4.8	5.4	5.7
4H	6.0	6.6	6.3	6.9	7.2	4.4	5.0	4.7	5.3	5.6
6H	6.0	6.5	6.4	6.8	7.2	4.3	4.9	4.7	5.2	5.5
8H	5.9	6.4	6.3	6.8	7.2	4.3	4.8	4.7	5.1	5.5
12H	5.9	6.3	6.3	6.7	7.1	4.2	4.7	4.6	5.0	5.4
8H 4H	5.9	6.4	6.3	6.7	7.1	4.3	4.8	4.7	5.2	5.5
6H	5.9	6.3	6.3	6.7	7.1	4.2	4.6	4.6	5.0	5.4
8H	5.8	6.2	6.3	6.6	7.0	4.2	4.5	4.6	4.9	5.4
12H	5.8	6.1	6.3	6.5	7.0	4.1	4.4	4.6	4.9	5.3
12H 4H	5.8	6.3	6.2	6.6	7.0	4.3	4.7	4.7	5.1	5.5
6H	5.8	6.2	6.3	6.6	7.0	4.2	4.5	4.6	4.9	5.4
8H	5.8	6.1	6.2	6.5	7.0	4.1	4.4	4.6	4.9	5.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.9 / - 3.7					+ 2.5 / - 4.8				
1.5H	+ 4.7 / - 3.0					+ 4.4 / - 3.7				
2.0H	+ 3.2 / - 1.8					+ 2.9 / - 2.0				

CIE Pub.117, 643.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.5)
Area: 0.111111 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-02-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm		
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:

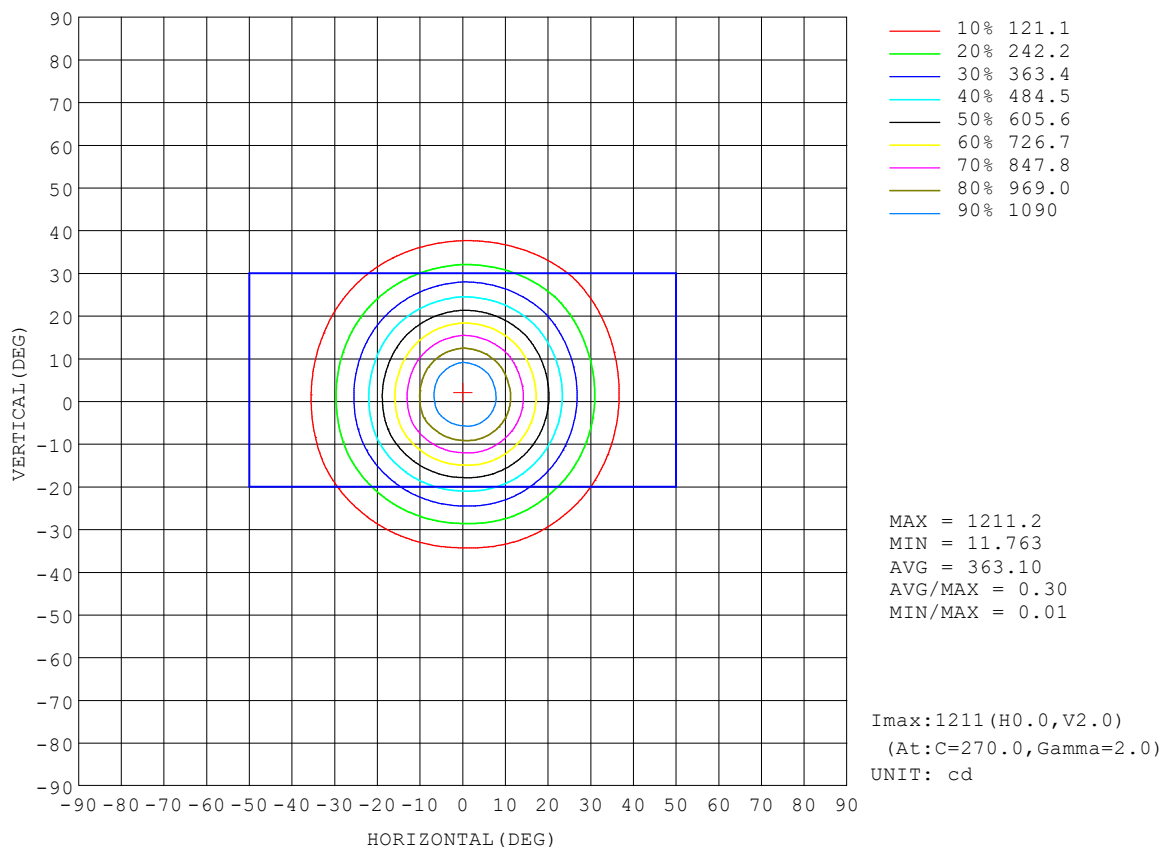
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	80	77	86	80	77	73
0.80	94	89	85	94	88	85	93	88	84	81
1.00	99	93	90	98	93	89	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	102	105	103	101	95
3.00	112	108	106	110	107	104	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2022-02-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 3.080m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm		
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:

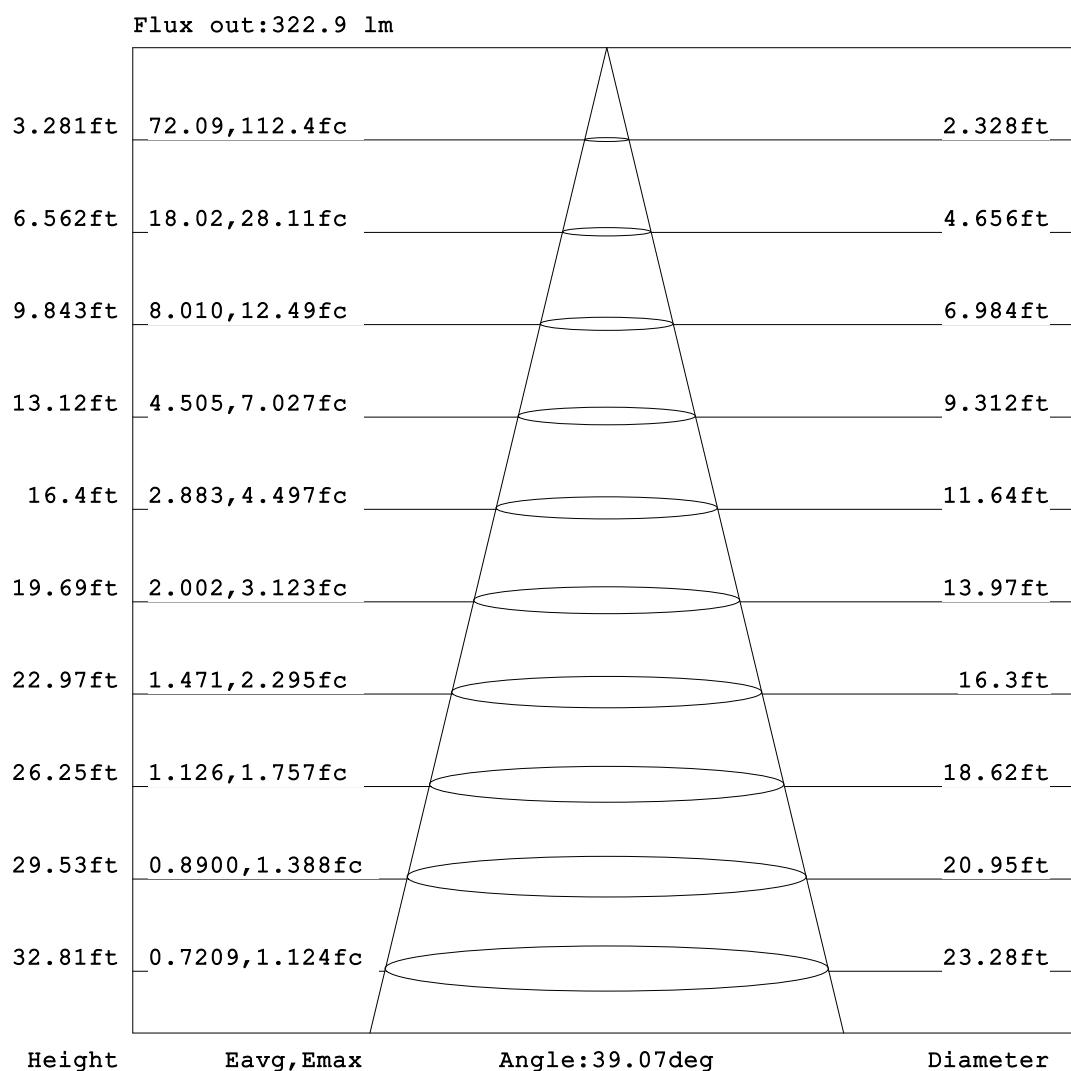


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2022-02-11

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm		
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:



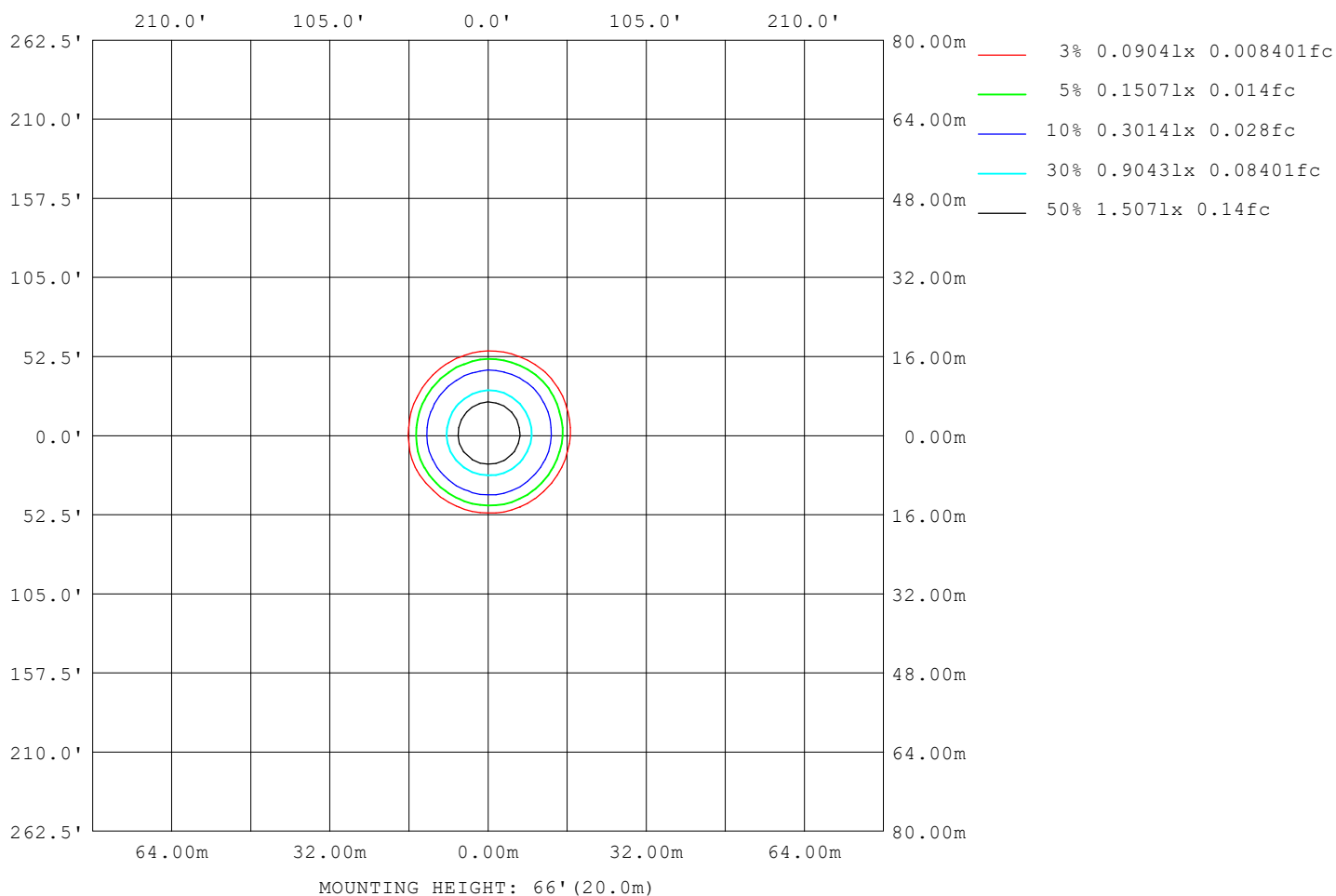
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-02-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm		
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-02-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.96V I:0.0857A P:7.5224W PF:0.9474 Freq:59.98Hz Lamp Flux:643.854x1 lm		
NAME: LED-DLJBX-TML-GMB-2-8W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:

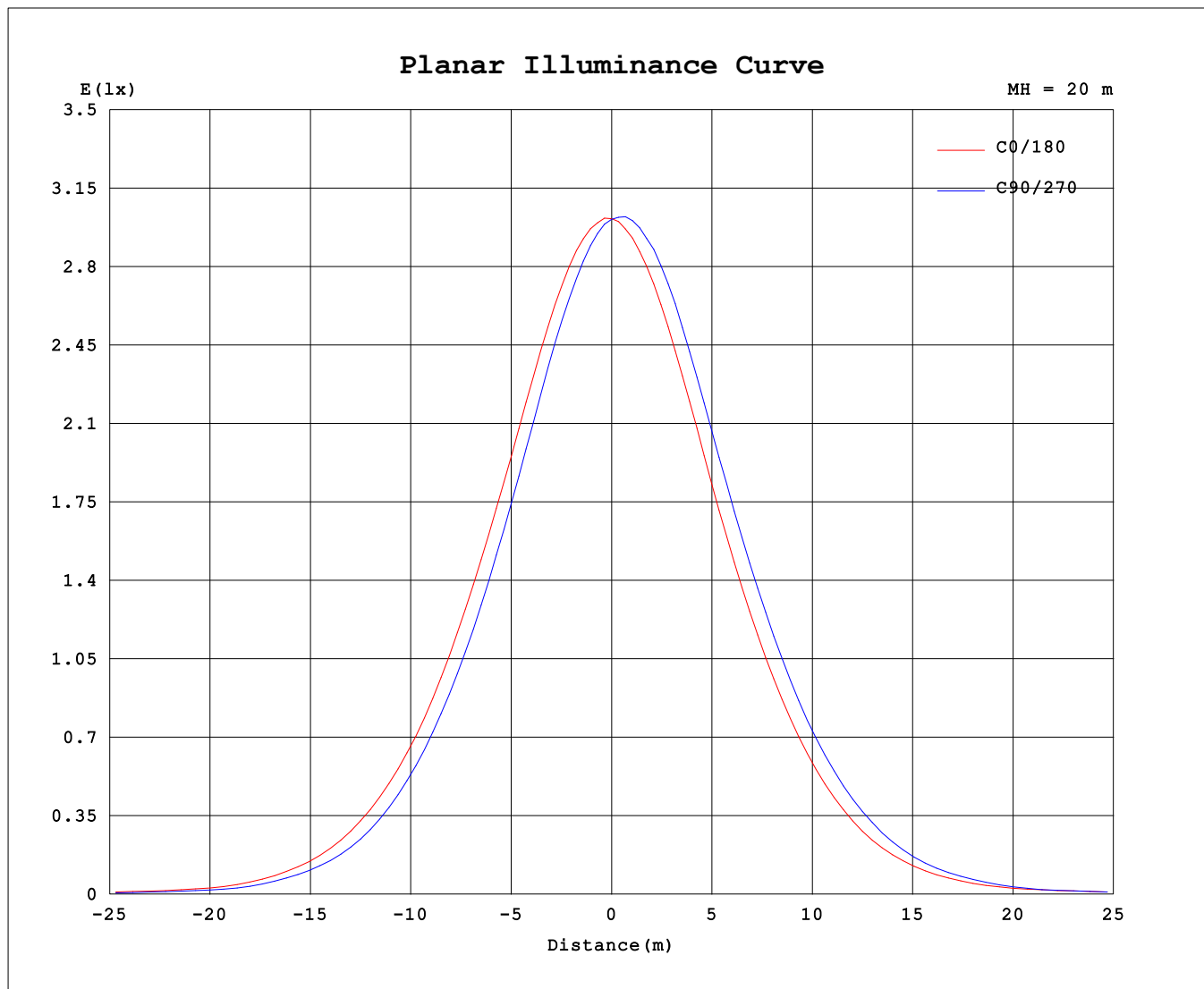
AvgL	cd/m2
L_0~180 (65) av	144
L_0~180 (75) av	73
L_0~180 (85) av	30
L_90~270 (65) av	92
L_90~270 (75) av	44
L_90~270 (85) av	14
L_45 (65) av	124
L_45 (75) av	55
L_45 (85) av	8

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-02-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2022-02-11

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 3.080m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

```