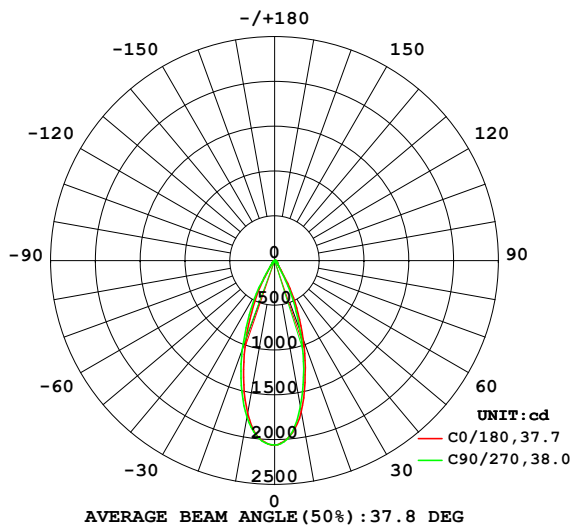


LUMINAIRE PHOTOMETRIC TEST REPORT

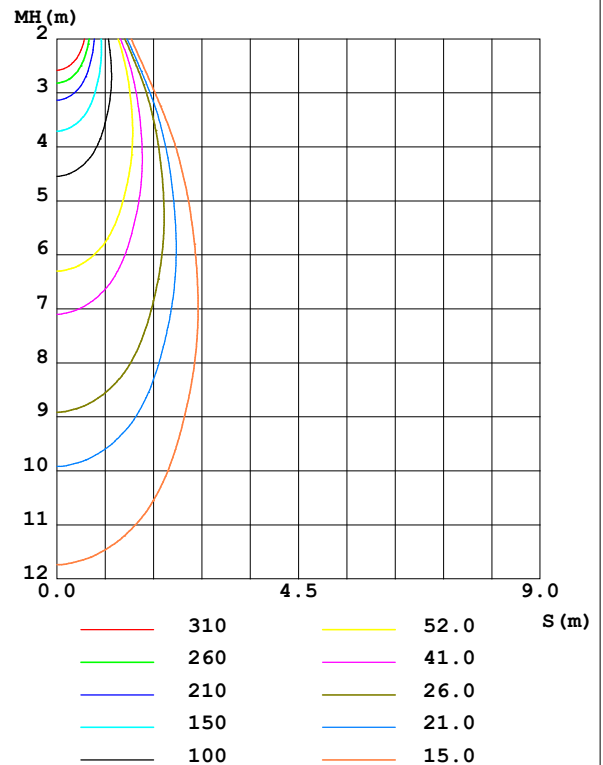
Test:U:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.89 lm/W			
MODEL		I _{max} (cd)	2062	S/MH(C0/180)	0.62
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.65
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	988.35	η UP,DN(C0-180)	0.0,48.0
NOMINAL FLUX(lm)	988.346	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	12	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: 2021-09-07

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:

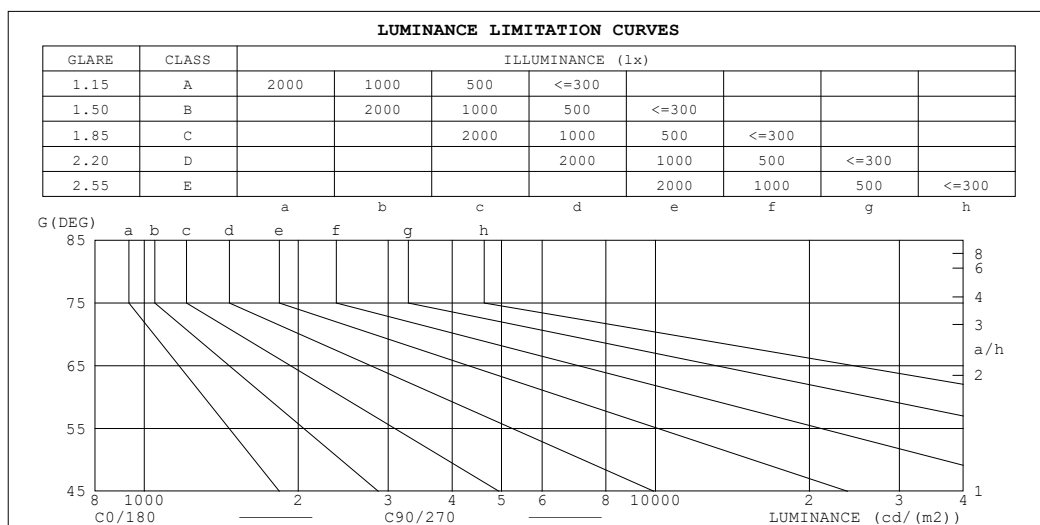
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1715	1668	1659	1695	1736	1786	1779	1806	0- 10	181.3	181.3	18.3,18.3
20	939.6	866.3	841.8	960.7	939.2	1037	1055	1022	10- 20	372.0	553.3	56,56
30	295.9	283.8	201.8	313.9	266.3	394.6	350.3	359.4	20- 30	272.7	826.0	83.6,83.6
40	59.79	68.75	53.54	74.41	52.89	80.26	58.94	80.03	30- 40	87.99	914.0	92.5,92.5
50	30.56	36.75	27.99	34.30	27.46	36.33	29.63	38.88	40- 50	35.56	949.6	96.1,96.1
60	16.53	17.78	14.34	16.12	13.94	16.75	14.98	18.36	50- 60	20.99	970.6	98.2,98.2
70	7.457	8.057	5.953	7.176	5.834	7.183	5.969	8.097	60- 70	11.10	981.7	99.3,99.3
80	4.049	3.925	3.134	3.185	3.258	3.024	3.069	3.816	70- 80	5.260	986.9	99.9,99.9
90	0.0552	0.0187	0.0263	0.0261	0.0416	0.0467	0.0413	0.0335	80- 90	1.415	988.3	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:2021-09-07

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:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	127	66
80	211	163
75	167	157
70	197	157
65	244	204
60	299	259
55	362	323
50	429	393
45	542	491

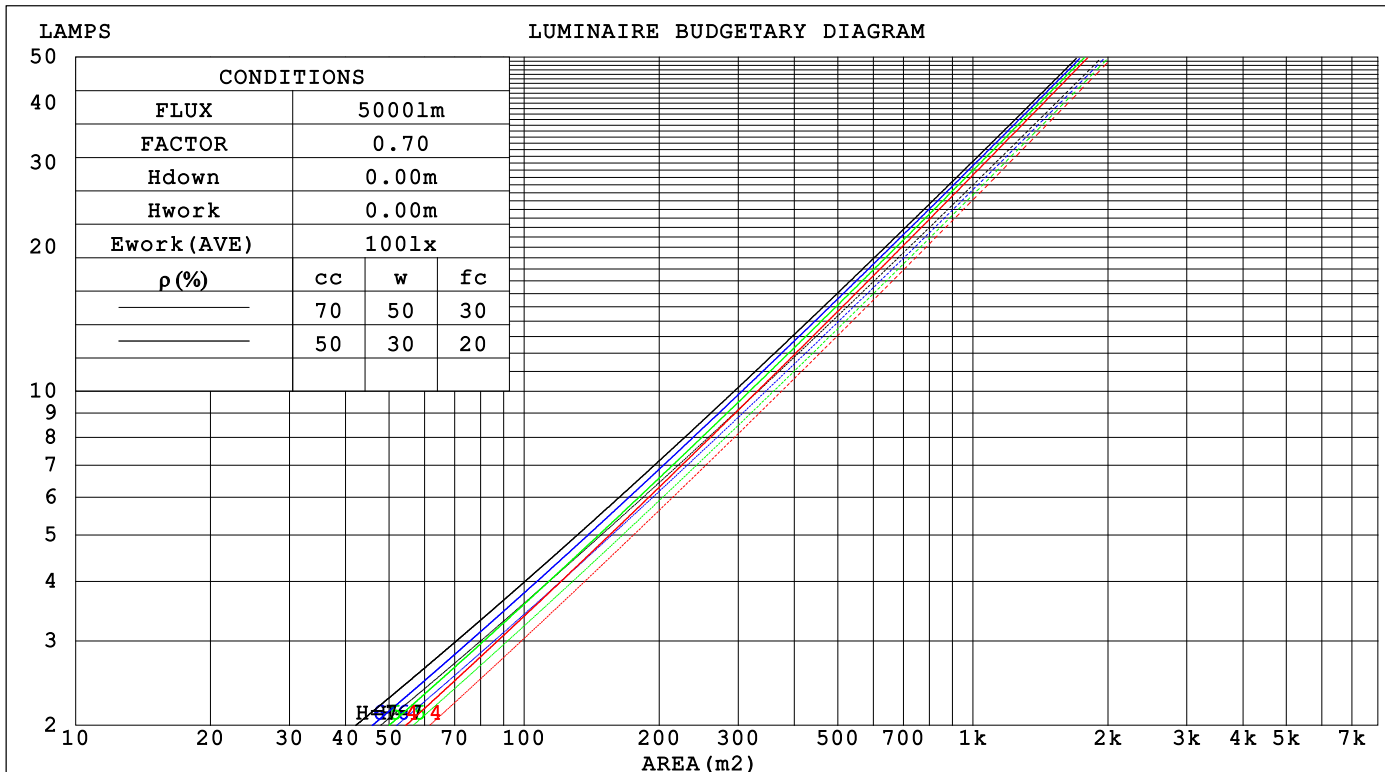
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2021-09-07

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:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-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	1.00	.99	.98	.97	.96	.94														
2.0	1.04	1.01	.97	1.03	.99	.96	.99	.97	.94	.96	.94	.92	.94	.92	.90	.89														
3.0	.98	.94	.90	.97	.93	.89	.94	.91	.88	.92	.89	.87	.90	.87	.85	.84														
4.0	.93	.88	.84	.92	.87	.83	.90	.86	.82	.88	.84	.82	.86	.83	.81	.79														
5.0	.88	.83	.79	.87	.82	.78	.85	.81	.78	.84	.80	.77	.82	.79	.76	.75														
6.0	.83	.78	.74	.83	.78	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.71														
7.0	.80	.74	.70	.79	.74	.70	.78	.73	.70	.77	.73	.70	.75	.72	.69	.68														
8.0	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.72	.69	.66	.65														
9.0	.73	.67	.64	.72	.67	.64	.71	.67	.64	.70	.66	.63	.70	.66	.63	.62														
10.0	.70	.64	.61	.69	.64	.61	.68	.64	.61	.68	.64	.61	.67	.63	.60	.59														



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2021-09-07

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:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-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	.168	.096	.030	.161	.092	.029	.149	.085	.027	.137	.079	.025	.127	.073	.024		
2.0	.158	.087	.027	.153	.084	.026	.142	.079	.025	.133	.074	.023	.124	.070	.022		
3.0	.149	.079	.024	.145	.077	.023	.136	.074	.022	.127	.070	.021	.120	.066	.021		
4.0	.141	.073	.022	.137	.072	.021	.129	.069	.020	.122	.066	.020	.116	.063	.019		
5.0	.133	.068	.020	.130	.067	.019	.123	.064	.019	.117	.062	.018	.111	.060	.018		
6.0	.127	.063	.018	.124	.062	.018	.118	.060	.018	.112	.058	.017	.107	.057	.017		
7.0	.120	.060	.017	.118	.059	.017	.113	.057	.016	.108	.055	.016	.104	.054	.016		
8.0	.115	.056	.016	.113	.055	.016	.108	.054	.015	.104	.053	.015	.100	.051	.015		
9.0	.110	.053	.015	.108	.053	.015	.104	.051	.015	.100	.050	.014	.096	.049	.014		
10.0	.105	.050	.014	.103	.050	.014	.100	.049	.014	.096	.048	.014	.093	.047	.013		

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	.170	.157	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016		
2.0	.154	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013		
3.0	.141	.113	.091	.121	.098	.079	.083	.068	.056	.048	.040	.033	.015	.013	.011		
4.0	.130	.099	.074	.112	.085	.065	.077	.059	.046	.044	.035	.027	.014	.011	.009		
5.0	.121	.087	.062	.104	.075	.054	.071	.052	.038	.041	.031	.022	.013	.010	.007		
6.0	.113	.077	.052	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006		
7.0	.106	.069	.044	.091	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005		
8.0	.100	.063	.038	.086	.055	.033	.059	.038	.023	.035	.023	.014	.011	.007	.005		
9.0	.094	.058	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004		
10.0	.090	.053	.029	.077	.046	.025	.054	.032	.018	.031	.019	.011	.010	.006	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2021-09-07

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:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm										
NAME: LED-DLJBX-TML-2SQ-15W-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	4.6	5.5	4.8	5.6	5.8	3.5	4.3	3.7	4.5	4.6
3H	5.0	5.7	5.2	5.9	6.1	3.8	4.6	4.1	4.8	5.0
4H	5.1	5.8	5.3	6.0	6.2	3.9	4.7	4.2	4.9	5.1
6H	5.2	5.9	5.5	6.2	6.4	4.1	4.8	4.4	5.1	5.3
8H	5.3	5.9	5.6	6.2	6.4	4.2	4.8	4.5	5.1	5.3
12H	5.3	5.9	5.6	6.2	6.4	4.2	4.8	4.5	5.1	5.3
4H 2H	4.7	5.5	5.0	5.7	5.9	3.7	4.5	4.0	4.7	4.9
3H	5.2	5.8	5.5	6.1	6.4	4.2	4.8	4.5	5.1	5.4
4H	5.4	6.0	5.7	6.3	6.6	4.4	5.0	4.8	5.3	5.6
6H	5.6	6.2	6.0	6.5	6.8	4.7	5.2	5.1	5.6	5.9
8H	5.7	6.2	6.1	6.6	6.9	4.8	5.3	5.2	5.6	6.0
12H	5.7	6.2	6.2	6.6	6.9	4.8	5.2	5.2	5.6	6.0
8H 4H	5.4	5.9	5.8	6.2	6.6	4.5	5.0	4.9	5.4	5.7
6H	5.8	6.2	6.2	6.6	7.0	4.9	5.3	5.4	5.7	6.1
8H	6.0	6.3	6.4	6.7	7.2	5.1	5.4	5.5	5.9	6.3
12H	6.0	6.3	6.5	6.8	7.2	5.1	5.4	5.6	5.8	6.3
12H 4H	5.4	5.8	5.8	6.2	6.6	4.5	5.0	4.9	5.3	5.7
6H	5.8	6.2	6.2	6.6	7.0	5.0	5.3	5.4	5.7	6.2
8H	6.0	6.3	6.5	6.7	7.2	5.1	5.4	5.6	5.9	6.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.8 / - 1.0					+ 0.7 / - 1.0				
1.5H	+ 0.9 / - 0.8					+ 0.7 / - 0.8				
2.0H	+ 1.1 / - 1.0					+ 1.1 / - 1.1				

CIE Pub.117, 988.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.0)
Area: 0.111111 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2021-09-07

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:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:

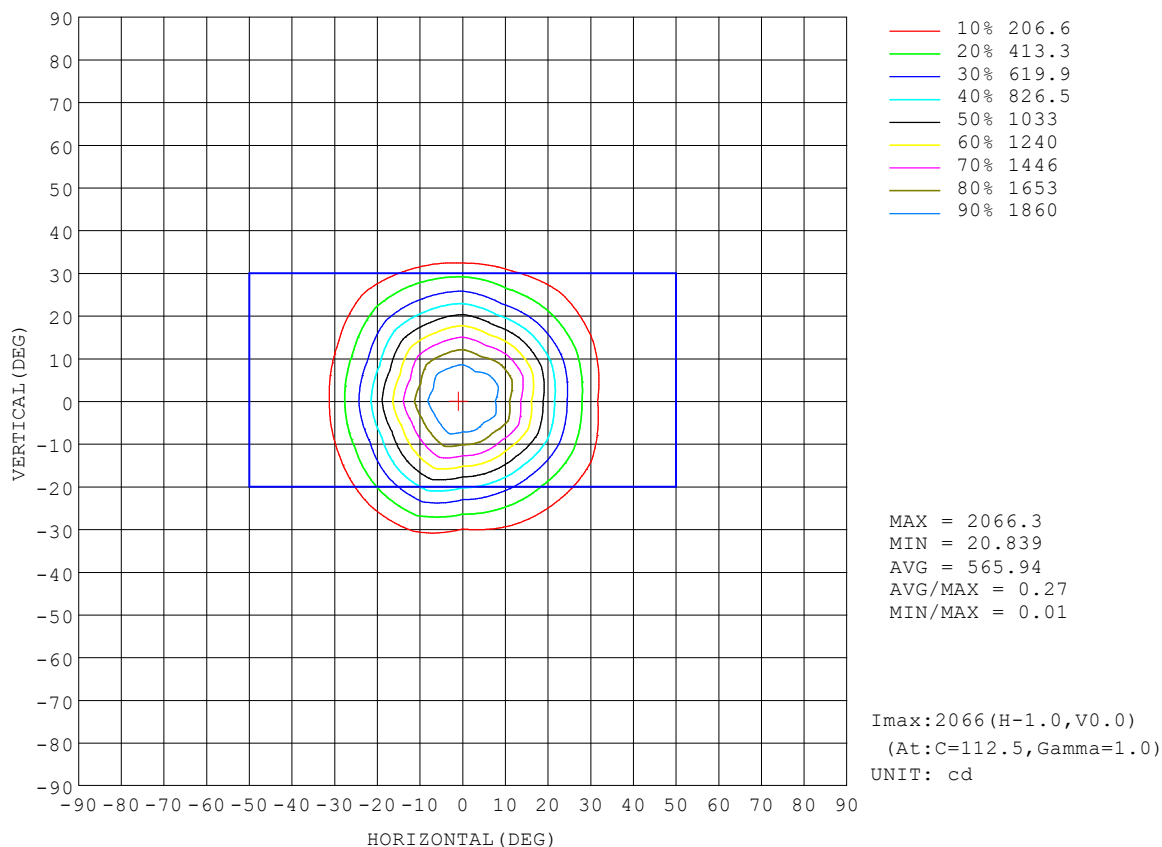
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	77	86	80	76	86	80	76	73
0.80	94	88	85	94	88	84	92	87	84	80
1.00	99	93	89	98	93	89	96	92	89	85
1.25	103	97	94	102	97	94	100	96	93	89
1.50	105	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	104	97
5.00	115	113	111	113	111	109	109	107	106	98
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: 2021-09-07

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:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:

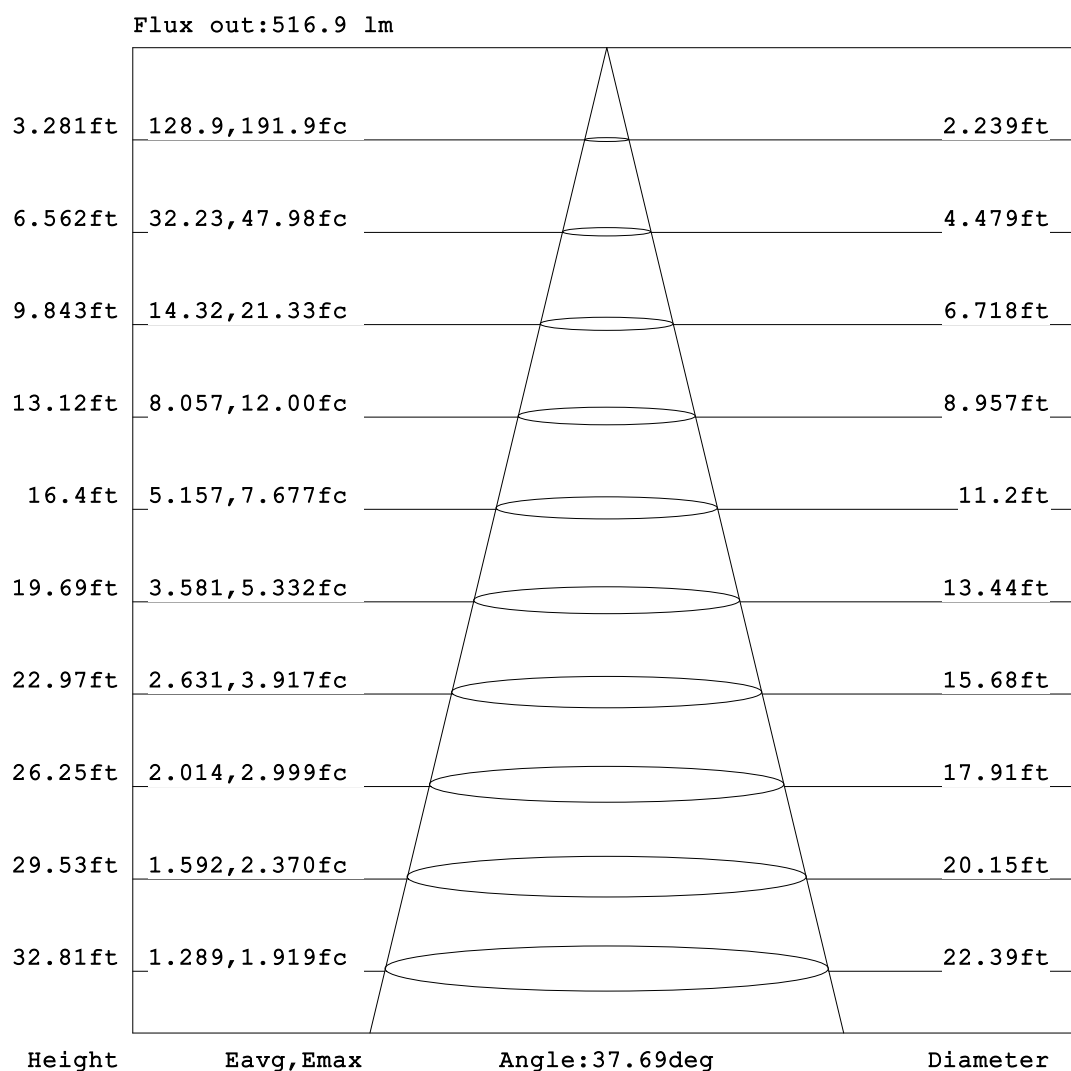


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2021-09-07

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:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:



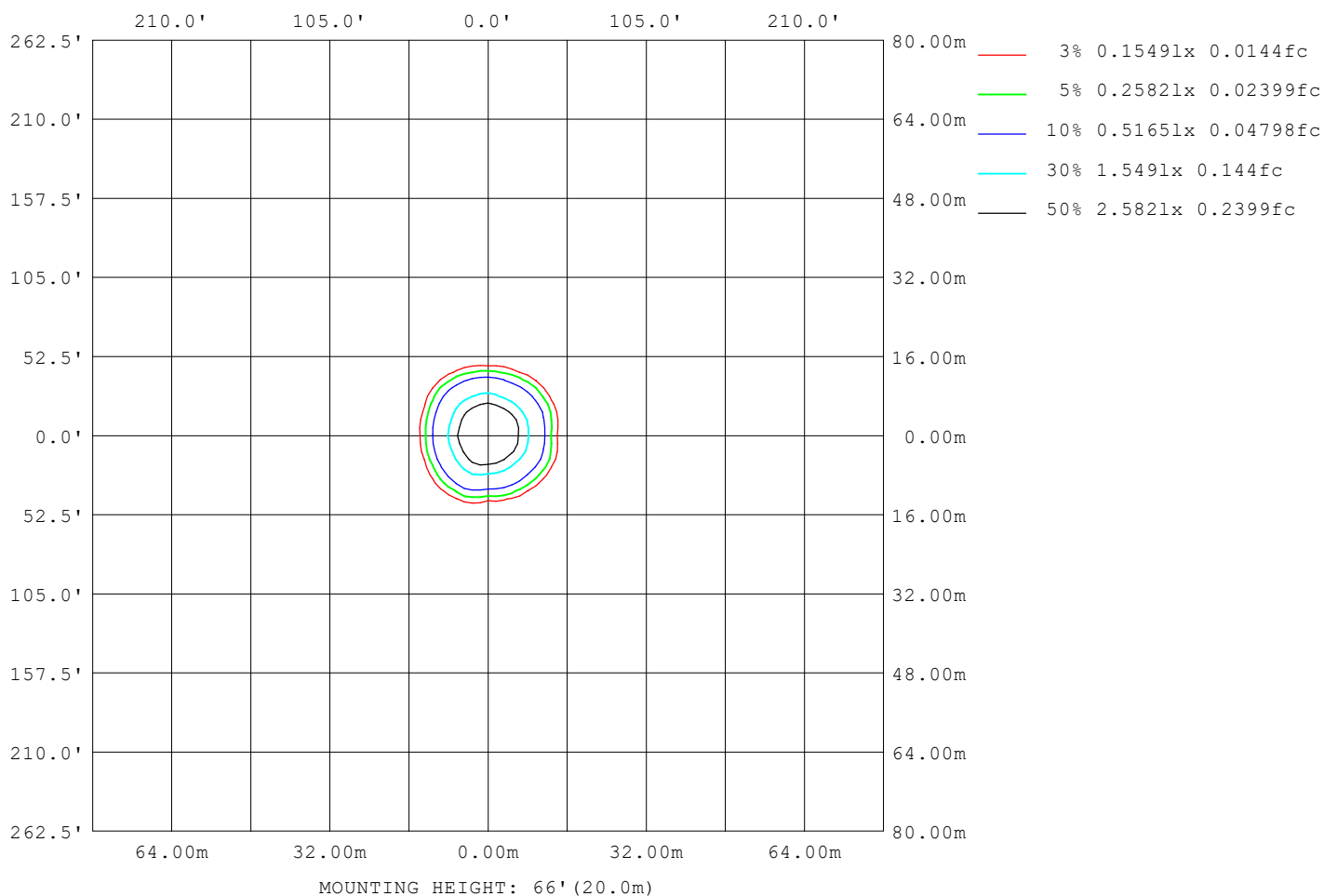
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2021-09-07

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:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-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°C
 Operators:
 Test Date: 2021-09-07

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:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:

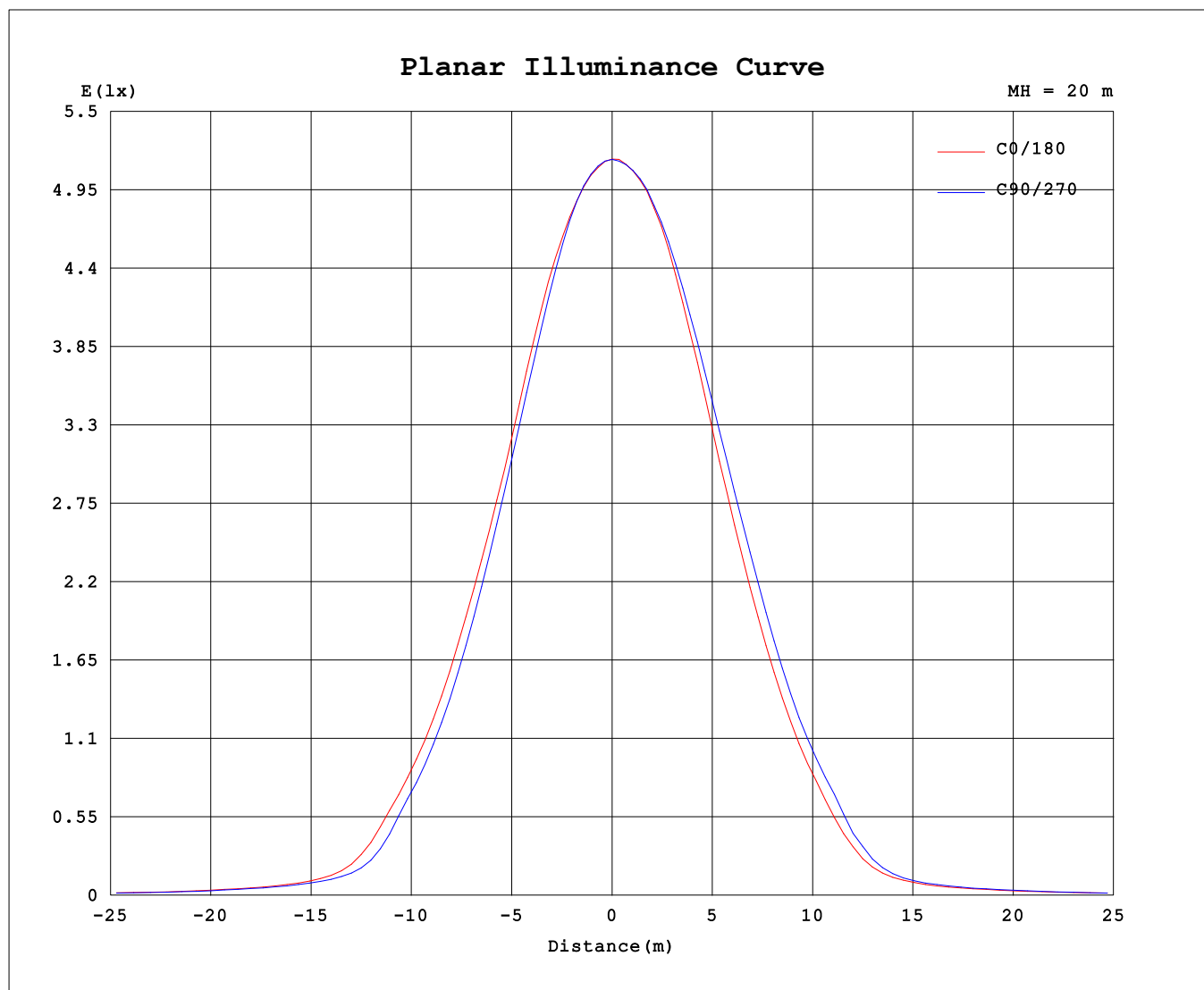
AvgL	cd/m2
L_0~180 (65) av	220
L_0~180 (75) av	155
L_0~180 (85) av	106
L_90~270 (65) av	206
L_90~270 (75) av	151
L_90~270 (85) av	79
L_45 (65) av	249
L_45 (75) av	175
L_45 (85) av	110

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2021-09-07

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: 2021-09-07

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:

Test:U:120.08V I:0.1087A P:12.855W PF:0.9478 Freq:59.98Hz Lamp Flux:988.346x1 lm		
NAME: LED-DLJBX-TML-2SQ-15W-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: Envisionled	SUR.:	Shielding Angle:

UNIT: cd

[illegible]

```

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:

```