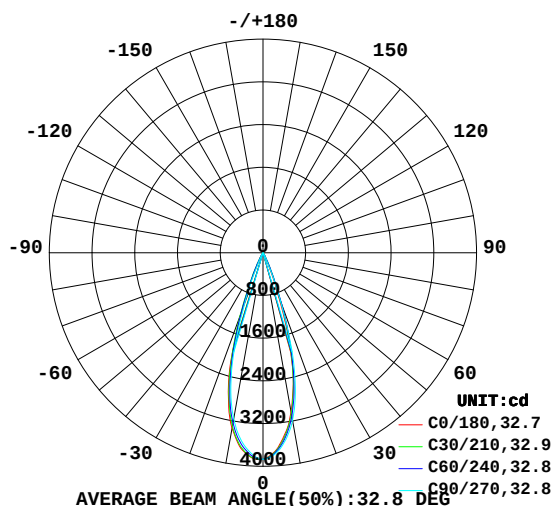


LUMINAIRE PHOTOMETRIC TEST REPORT

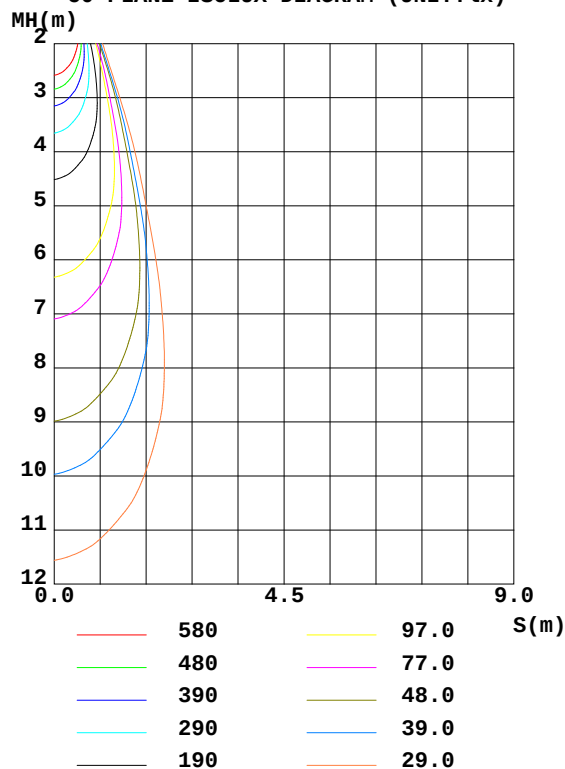
NAME: VM060-VF64SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.26 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3880	S/MH(C0/180)	0.52
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.50
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1186.4	η UP, DN(C0-180)	1.2, 48.9
NOMINAL FLUX(lm)	1186.35	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.6
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

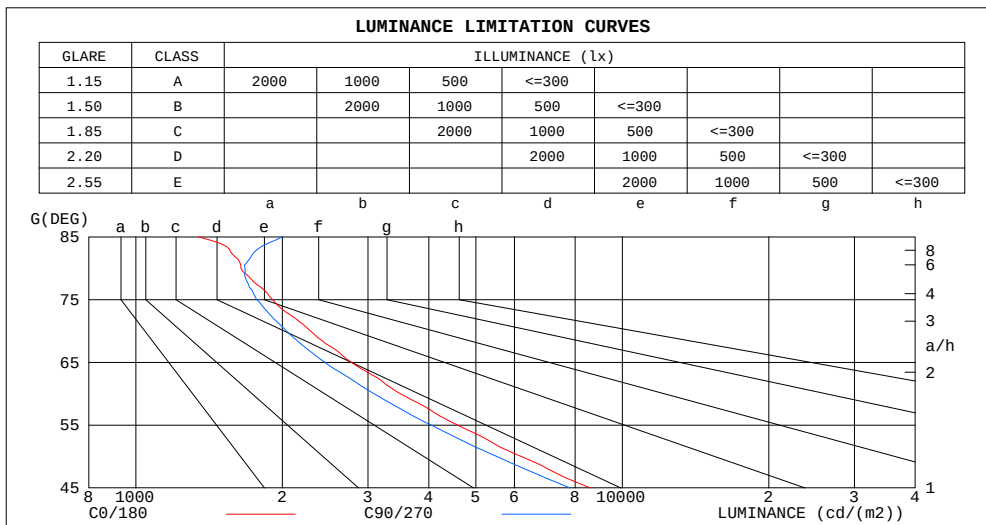
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3026	3099	3186	3312	3338	3246	3158	3023	0- 10	335.6	335.6	28.3, 28.3
20	830.1	1094	948.9	1315	1190	1245	993.1	1036	10- 20	594.7	930.3	78.4, 78.4
30	78.47	114.3	81.37	152.1	90.15	142.8	77.24	115.9	20- 30	176.4	1107	93.3, 93.3
40	24.88	19.68	23.03	20.90	23.73	20.30	23.51	18.69	30- 40	29.42	1136	95.8, 95.8
50	11.21	6.922	9.995	7.039	10.64	7.012	10.51	7.170	40- 50	11.07	1147	96.7, 96.7
60	4.920	3.414	4.350	3.493	4.685	3.411	4.600	3.601	50- 60	5.533	1153	97.2, 97.2
70	2.198	1.708	1.967	1.750	2.097	1.675	2.034	1.796	60- 70	2.829	1156	97.4, 97.4
80	0.8034	0.7382	0.8202	0.7896	0.8256	0.7306	0.7919	0.7532	70- 80	1.366	1157	97.5, 97.5
90	0.2549	0.2537	0.2627	0.2568	0.2359	0.2250	0.2385	0.2280	80- 90	0.5016	1157	97.6, 97.6
100	0.2778	0.2889	0.2788	0.2900	0.3044	0.2712	0.2982	0.2722	90-100	0.2863	1158	97.6, 97.6
110	0.3392	0.3574	0.3420	0.3543	0.3748	0.3462	0.3601	0.3541	100-110	0.3310	1158	97.6, 97.6
120	0.8846	0.9052	0.7848	0.7888	0.7682	0.8546	0.7985	1.006	110-120	0.5019	1159	97.7, 97.7
130	3.989	3.745	3.639	3.260	3.389	3.425	3.652	3.956	120-130	1.751	1160	97.8, 97.8
140	9.608	9.308	9.128	8.550	8.675	8.765	9.130	9.550	130-140	4.737	1165	98.2, 98.2
150	15.44	15.22	15.16	14.71	14.83	14.92	15.23	15.49	140-150	7.586	1173	98.8, 98.8
160	17.08	17.26	17.60	17.65	17.62	17.72	17.86	17.46	150-160	7.751	1180	99.5, 99.5
170	13.99	13.99	14.63	14.98	15.09	15.06	14.84	14.18	160-170	4.682	1185	99.9, 99.9
180	13.05	13.16	13.00	13.23	13.06	13.16	12.99	13.22	170-180	1.307	1186	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1344	1999
80	1644	1675
75	1909	1773
70	2283	2040
65	2774	2447
60	3497	3086
55	4585	4046
50	6194	5516
45	8593	7803

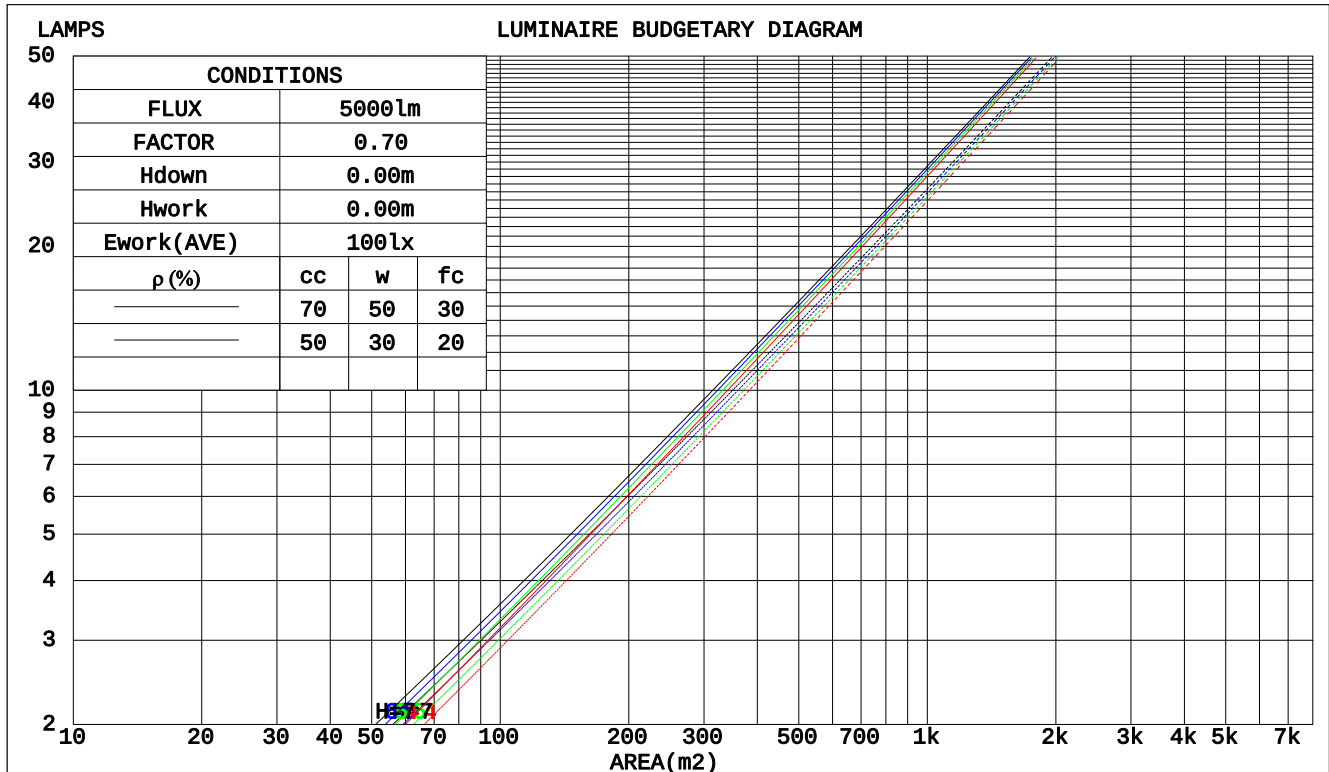
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.05	1.04	1.03	1.01	1.00	.99	.97	.97	.96	.94
2.0	1.06	1.03	1.01	1.04	1.02	.99	1.01	.99	.97	.98	.96	.94	.95	.93	.92	.91
3.0	1.02	.98	.95	1.00	.97	.94	.97	.94	.92	.95	.92	.90	.92	.90	.89	.87
4.0	.97	.93	.90	.96	.92	.89	.94	.91	.88	.92	.89	.87	.90	.87	.86	.84
5.0	.93	.89	.86	.92	.88	.85	.90	.87	.84	.89	.86	.84	.87	.85	.83	.81
6.0	.90	.86	.82	.89	.85	.82	.87	.84	.81	.86	.83	.81	.85	.82	.80	.79
7.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.83	.80	.78	.82	.80	.77	.76
8.0	.84	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
9.0	.81	.77	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.78	.75	.73	.72
10.0	.79	.74	.72	.78	.74	.72	.77	.74	.71	.77	.73	.71	.76	.73	.71	.70



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.144	.082	.026	.136	.078	.025	.123	.070	.022	.110	.063	.020	.098	.057	.018		
2.0	.133	.073	.022	.127	.070	.022	.116	.064	.020	.105	.059	.018	.095	.054	.017		
3.0	.124	.066	.020	.119	.064	.019	.109	.059	.018	.100	.055	.017	.092	.051	.016		
4.0	.117	.061	.018	.112	.059	.017	.104	.055	.016	.096	.052	.016	.089	.048	.015		
5.0	.110	.056	.016	.106	.054	.016	.099	.051	.015	.092	.049	.014	.086	.046	.014		
6.0	.104	.052	.015	.101	.051	.015	.094	.048	.014	.088	.046	.013	.083	.044	.013		
7.0	.099	.049	.014	.096	.048	.014	.090	.046	.013	.085	.044	.013	.080	.042	.012		
8.0	.094	.046	.013	.092	.045	.013	.087	.043	.012	.082	.042	.012	.078	.040	.012		
9.0	.090	.044	.012	.088	.043	.012	.083	.041	.012	.079	.040	.011	.075	.038	.011		
10.0	.086	.041	.011	.084	.041	.011	.080	.039	.011	.076	.038	.011	.073	.037	.011		

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.188	.176	.166	.160	.151	.143	.110	.104	.099	.063	.060	.058	.020	.019	.019		
2.0	.170	.152	.136	.146	.130	.118	.100	.090	.082	.058	.052	.048	.018	.017	.016		
3.0	.155	.132	.114	.133	.114	.099	.091	.079	.069	.053	.046	.041	.017	.015	.013		
4.0	.143	.117	.097	.123	.101	.084	.085	.071	.059	.049	.041	.035	.016	.013	.012		
5.0	.133	.105	.084	.114	.091	.073	.079	.063	.052	.046	.037	.031	.015	.012	.010		
6.0	.124	.095	.074	.107	.082	.065	.074	.058	.046	.043	.034	.027	.014	.011	.009		
7.0	.117	.087	.066	.101	.075	.058	.069	.053	.041	.040	.031	.024	.013	.010	.008		
8.0	.110	.080	.060	.095	.070	.052	.066	.049	.037	.038	.029	.022	.012	.009	.007		
9.0	.105	.075	.054	.090	.065	.047	.063	.046	.034	.036	.027	.020	.012	.009	.007		
10.0	.100	.070	.050	.086	.061	.044	.060	.043	.031	.035	.025	.019	.011	.008	.006		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: VM060-vF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	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	7.7	8.3	7.9	8.5	8.7	7.3	8.0	7.5	8.2	8.3
3H	7.9	8.5	8.2	8.8	9.0	7.5	8.2	7.8	8.4	8.6
4H	8.0	8.6	8.3	8.9	9.1	7.6	8.2	7.9	8.5	8.7
6H	8.1	8.6	8.4	8.9	9.2	7.7	8.2	8.0	8.5	8.8
8H	8.1	8.6	8.4	8.9	9.2	7.7	8.3	8.0	8.5	8.8
12H	8.1	8.6	8.4	8.9	9.2	7.7	8.3	8.1	8.6	8.9
4H 2H	7.6	8.2	7.9	8.4	8.7	7.3	7.9	7.6	8.1	8.4
3H	7.9	8.5	8.3	8.8	9.1	7.6	8.1	7.9	8.4	8.7
4H	8.1	8.6	8.5	8.9	9.3	7.7	8.2	8.1	8.5	8.9
6H	8.2	8.6	8.6	9.0	9.4	7.9	8.3	8.3	8.7	9.0
8H	8.3	8.6	8.7	9.0	9.4	7.9	8.3	8.3	8.7	9.1
12H	8.3	8.6	8.7	9.0	9.5	8.0	8.3	8.4	8.7	9.2
8H 4H	8.0	8.4	8.5	8.8	9.2	7.7	8.1	8.1	8.5	8.9
6H	8.2	8.5	8.7	9.0	9.4	7.9	8.2	8.4	8.6	9.1
8H	8.3	8.6	8.8	9.0	9.5	8.0	8.3	8.5	8.7	9.2
12H	8.4	8.6	8.9	9.1	9.6	8.1	8.4	8.6	8.8	9.4
12H 4H	8.0	8.4	8.5	8.8	9.2	7.6	8.0	8.1	8.4	8.9
6H	8.2	8.5	8.7	8.9	9.4	7.9	8.2	8.3	8.6	9.1
8H	8.3	8.5	8.8	9.0	9.5	8.0	8.2	8.5	8.7	9.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.4					+ 1.2 / - 1.5				
1.5H	+ 2.1 / - 1.7					+ 2.1 / - 1.7				
2.0H	+ 2.8 / - 1.9					+ 2.7 / - 1.7				

CIE Pub.117, 1186 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.6$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

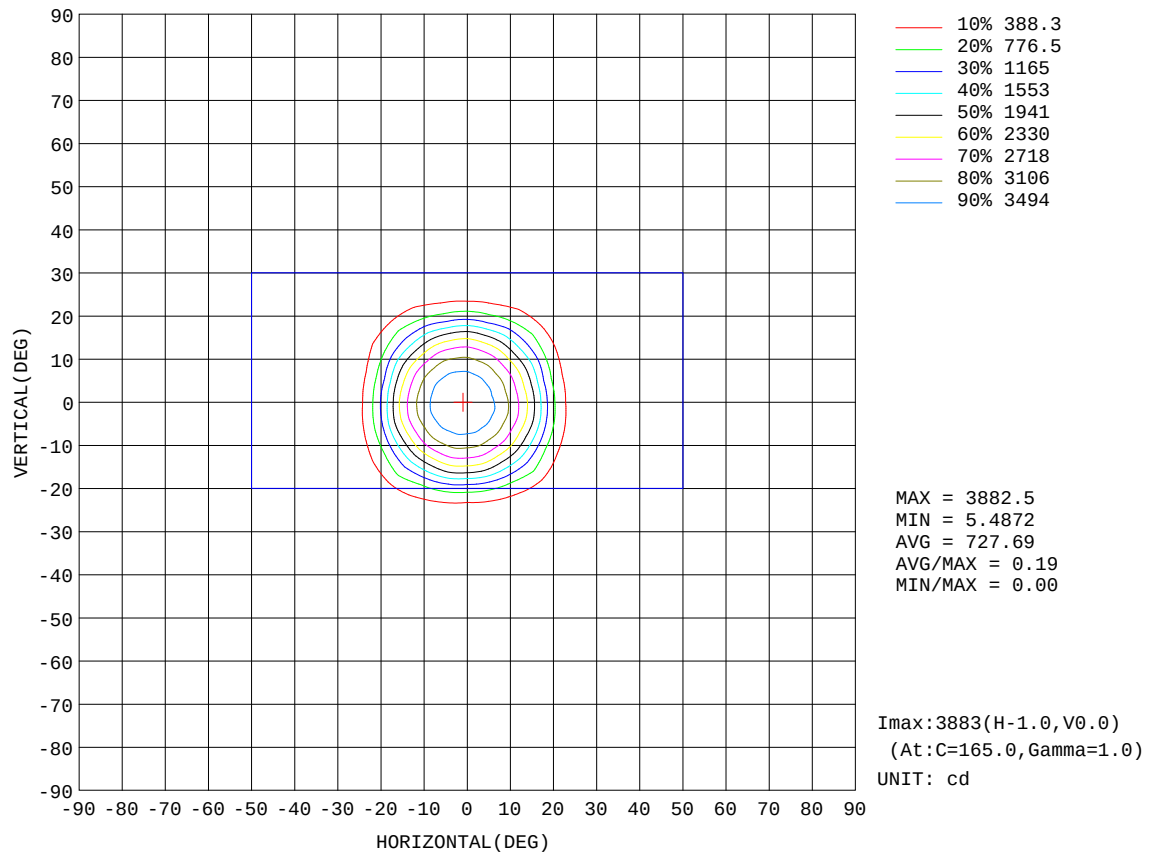
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	80	88	83	79	87	82	79	76
0.80	96	91	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	97	94	90	86
1.25	104	99	96	102	98	95	100	97	94	90
1.50	106	102	99	105	101	98	102	99	97	92
2.00	109	105	102	107	103	101	104	101	99	93
2.50	110	107	104	108	105	103	105	102	100	94
3.00	112	108	106	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	96
5.00	115	113	111	112	111	109	108	107	106	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: VM060-VF64SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

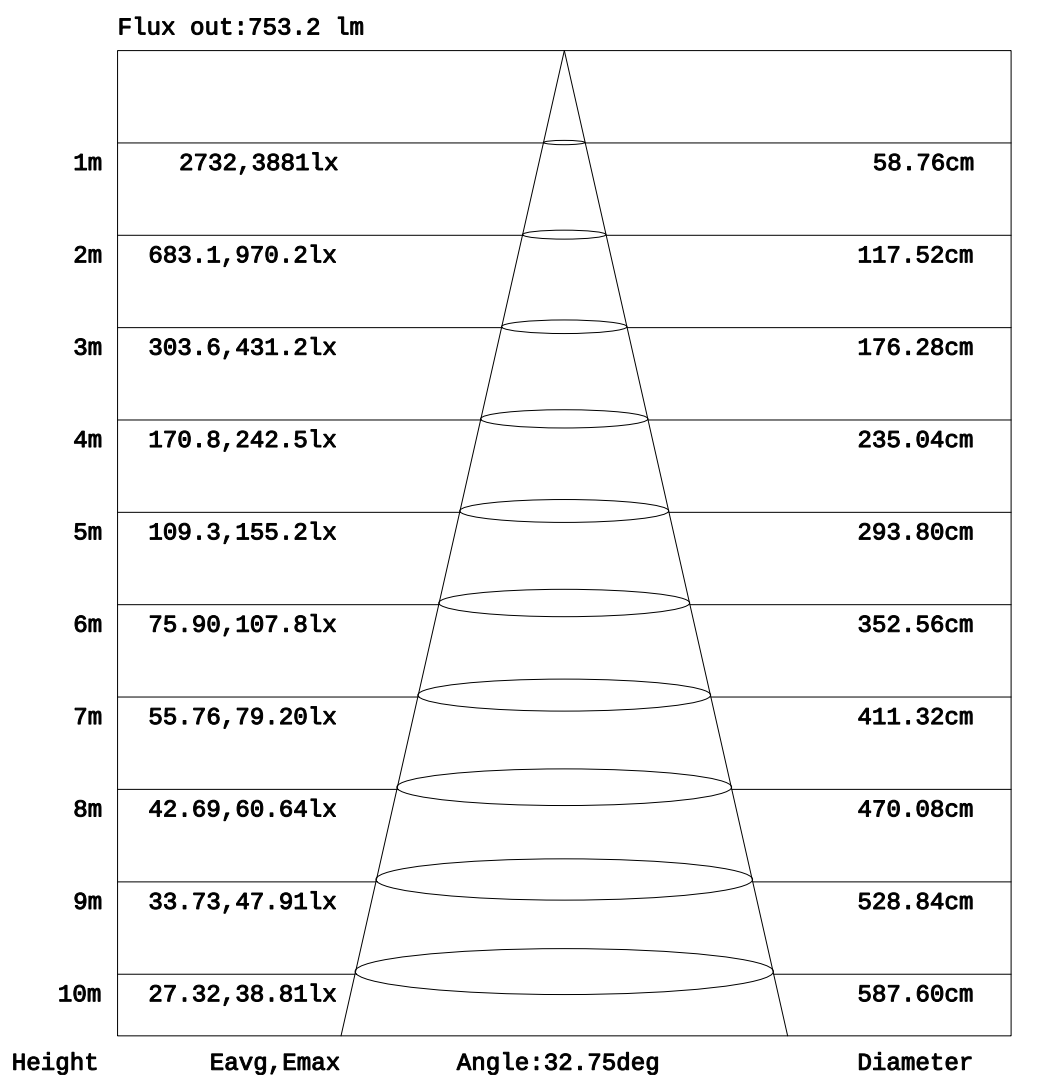


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

AAI Figure

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



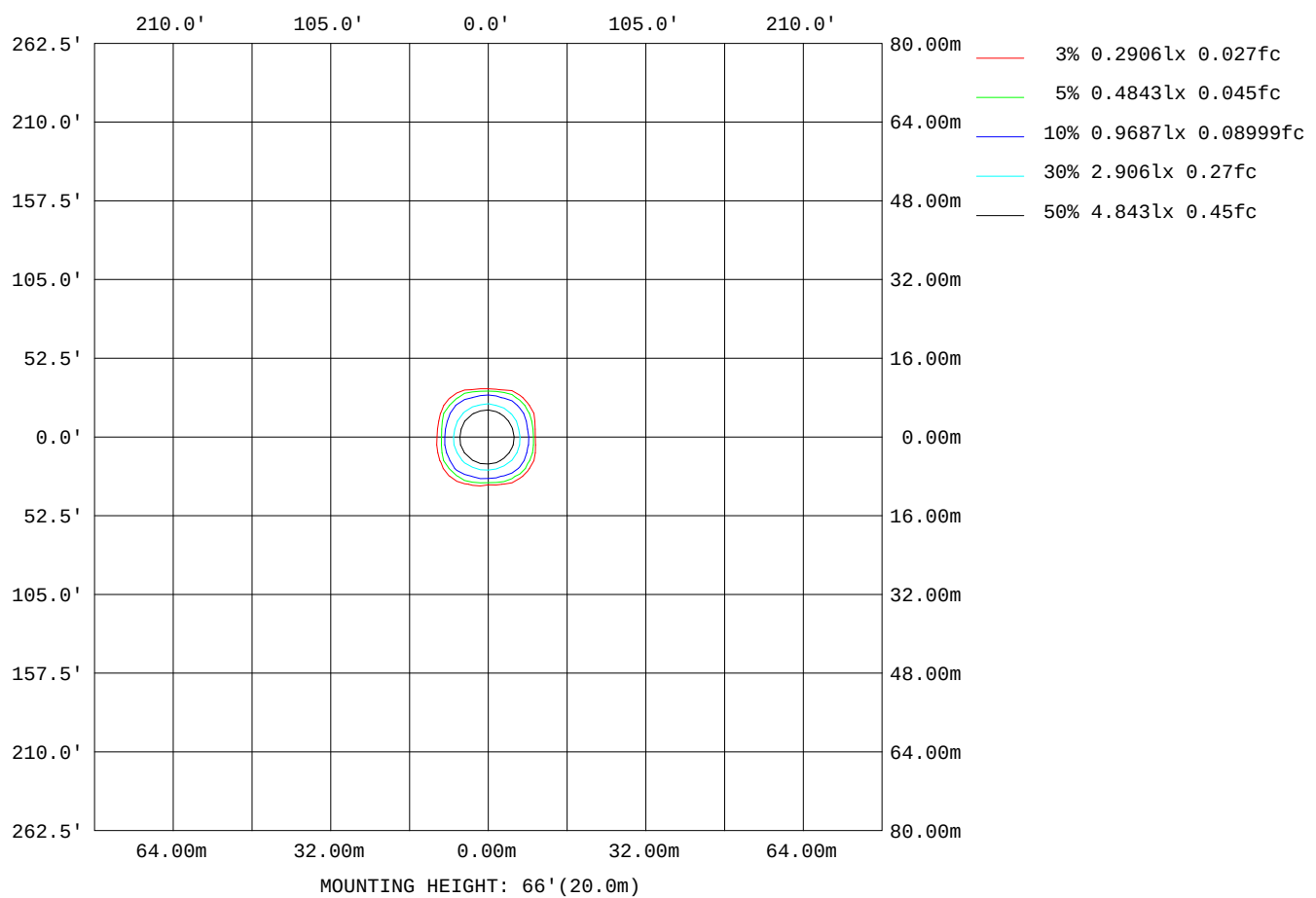
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: VM060-VF64SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

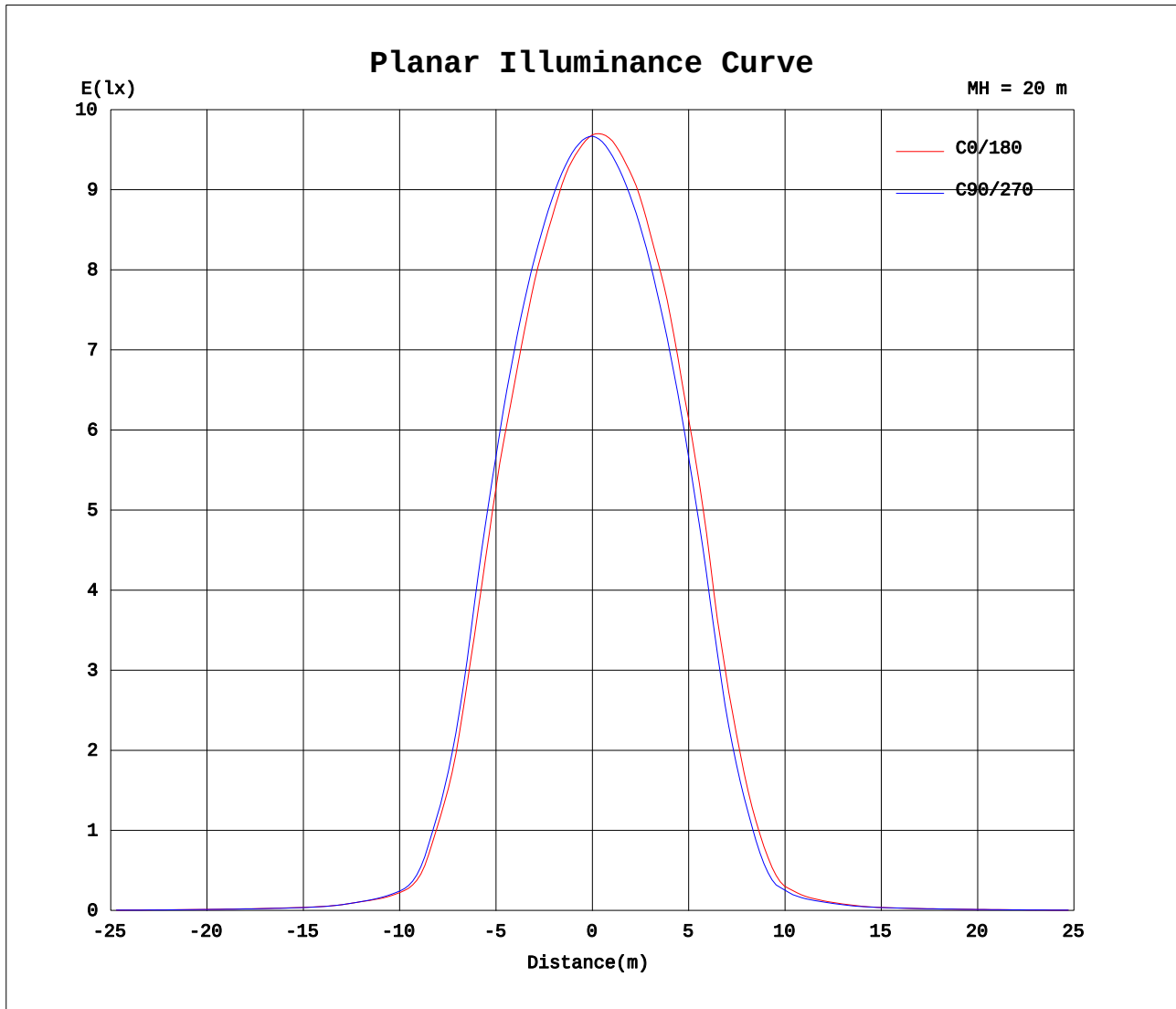
AvgL	cd/m2
L_0~180(65)av	2704
L_0~180(75)av	1882
L_0~180(85)av	1450
L_90~270(65)av	2510
L_90~270(75)av	1782
L_90~270(85)av	1896
L_45(65)av	2067
L_45(75)av	1619
L_45(85)av	1755

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867	3867
5	3606	3633	3627	3648	3654	3681	3685	3717	3728	3758	3763	3785	3765	3755	3754	3725	3711	3679	3665
10	3026	3069	3056	3099	3107	3172	3186	3251	3260	3312	3318	3367	3338	3301	3299	3246	3239	3180	3158
15	2080	2131	2108	2171	2165	2251	2275	2370	2376	2458	2455	2528	2493	2427	2432	2357	2355	2284	2271
20	830	909	986	1094	1019	971	949	1055	1177	1315	1289	1245	1190	1139	1274	1245	1190	1003	993
25	172	221	305	359	312	237	198	268	383	508	445	365	289	311	440	462	392	247	207
30	78.5	82.4	95.5	114	97.2	83.9	81.4	88.9	112	152	125	97.5	90.1	89.8	125	143	110	80.6	77.2
35	37.3	39.9	43.3	45.2	42.3	38.7	36.1	40.4	46.2	52.9	47.4	43.8	39.5	40.3	46.5	47.8	45.3	38.4	35.9
40	24.9	24.0	21.0	19.7	20.3	22.7	23.0	23.1	21.4	20.9	21.7	23.5	23.7	22.8	21.5	20.3	22.0	23.3	23.5
45	17.1	16.5	12.7	10.5	12.1	15.4	15.6	15.6	12.6	10.7	12.7	16.2	16.3	15.6	12.7	10.7	13.1	16.0	16.1
50	11.2	10.7	8.28	6.92	7.77	9.74	10.00	9.83	8.01	7.04	8.25	10.5	10.6	10.1	8.24	7.01	8.42	10.3	10.5
55	7.40	7.00	5.53	4.82	5.19	6.35	6.54	6.37	5.33	4.93	5.49	6.82	7.06	6.59	5.50	4.89	5.59	6.71	6.94
60	4.92	4.66	3.80	3.41	3.59	4.22	4.35	4.22	3.68	3.49	3.78	4.52	4.68	4.37	3.77	3.41	3.80	4.43	4.60
65	3.30	3.14	2.64	2.42	2.52	2.87	2.92	2.87	2.56	2.48	2.62	3.05	3.15	2.94	2.62	2.40	2.62	2.94	3.07
70	2.20	2.12	1.83	1.71	1.77	1.95	1.97	1.94	1.78	1.75	1.83	2.07	2.10	1.99	1.80	1.67	1.78	1.96	2.03
75	1.39	1.37	1.23	1.17	1.21	1.30	1.29	1.29	1.23	1.21	1.26	1.37	1.36	1.31	1.21	1.13	1.19	1.28	1.31
80	0.80	0.83	0.77	0.74	0.79	0.82	0.82	0.82	0.81	0.79	0.82	0.87	0.83	0.81	0.76	0.73	0.75	0.78	0.79
85	0.33	0.41	0.41	0.42	0.46	0.48	0.49	0.49	0.49	0.48	0.48	0.49	0.38	0.36	0.41	0.42	0.43	0.45	0.44
90	0.25	0.26	0.26	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.23	0.22	0.24	0.23	0.24
95	0.27	0.27	0.25	0.27	0.26	0.28	0.27	0.28	0.26	0.27	0.26	0.28	0.27	0.25	0.26	0.24	0.26	0.24	0.27
100	0.28	0.29	0.27	0.29	0.27	0.29	0.28	0.30	0.28	0.29	0.27	0.30	0.30	0.29	0.29	0.27	0.28	0.27	0.30
105	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.29	0.31	0.30	0.32	0.33	0.32	0.32	0.31	0.32	0.30	0.33
110	0.34	0.35	0.34	0.36	0.34	0.35	0.34	0.35	0.34	0.35	0.34	0.35	0.37	0.35	0.37	0.35	0.36	0.34	0.36
115	0.44	0.46	0.48	0.50	0.47	0.45	0.41	0.44	0.44	0.47	0.44	0.44	0.45	0.45	0.48	0.48	0.47	0.43	0.44
120	0.88	0.88	0.92	0.91	0.89	0.81	0.78	0.77	0.79	0.79	0.77	0.72	0.77	0.79	0.83	0.85	0.82	0.80	0.80
125	2.02	1.99	2.01	1.93	1.93	1.84	1.82	1.72	1.72	1.63	1.65	1.57	1.70	1.74	1.71	1.78	1.75	1.82	1.84
130	3.99	3.88	3.89	3.74	3.75	3.64	3.64	3.45	3.40	3.26	3.26	3.20	3.39	3.41	3.35	3.43	3.43	3.59	3.65
135	6.60	6.47	6.48	6.28	6.30	6.15	6.16	5.90	5.83	5.62	5.65	5.55	5.77	5.82	5.71	5.82	5.85	6.10	6.15
140	9.61	9.49	9.51	9.31	9.31	9.14	9.13	8.88	8.79	8.55	8.57	8.46	8.68	8.75	8.63	8.76	8.81	9.07	9.13
145	12.7	12.6	12.6	12.4	12.5	12.3	12.3	12.1	12.0	11.7	11.7	11.6	11.8	11.9	11.8	11.9	12.0	12.2	12.3
150	15.4	15.3	15.3	15.2	15.3	15.2	15.2	15.0	14.9	14.7	14.7	14.6	14.8	14.9	14.8	14.9	15.0	15.2	15.2
155	17.1	17.0	17.0	17.0	17.0	17.1	17.1	17.0	17.0	16.9	16.9	16.8	17.0	17.0	17.0	17.1	17.1	17.3	17.3
160	17.1	17.0	17.0	17.3	17.4	17.5	17.6	17.6	17.6	17.6	17.5	17.5	17.6	17.6	17.6	17.7	17.8	17.8	17.9
165	15.8	15.8	15.7	16.0	16.3	16.6	16.8	16.9	16.8	16.8	16.7	16.8	16.8	16.9	16.9	16.8	16.9	16.9	16.9
170	14.0	14.0	13.9	14.0	14.2	14.4	14.6	14.8	14.8	15.0	15.1	15.2	15.1	15.1	15.2	15.1	15.0	14.9	14.8
175	12.8	12.7	12.8	12.9	13.0	12.9	13.0	13.2	13.4	13.7	13.7	13.7	13.6	13.6	13.8	13.8	13.6	13.4	13.3
180	13.1	13.0	13.0	13.2	13.0	12.9	13.0	12.9	13.0	13.2	13.1	13.0	13.1	13.0	13.0	13.2	13.0	12.9	13.0

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Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3867	3867	3867	3867	3867														
5	3637	3627	3603	3603	3587														
10	3095	3077	3023	3024	2998														
15	2179	2160	2083	2086	2036														
20	942	1047	1036	961	815														
25	231	345	326	300	189														
30	77.2	97.7	116	94.7	77.8														
35	36.6	41.1	40.5	42.9	37.7														
40	22.5	20.4	18.7	21.2	23.6														
45	15.4	12.4	10.5	13.0	16.2														
50	9.85	8.15	7.17	8.56	10.5														
55	6.46	5.53	5.08	5.79	6.95														
60	4.32	3.85	3.60	4.01	4.63														
65	2.90	2.69	2.56	2.80	3.10														
70	1.95	1.86	1.80	1.92	2.08														
75	1.28	1.25	1.22	1.27	1.33														
80	0.80	0.78	0.75	0.75	0.78														
85	0.45	0.43	0.41	0.38	0.35														
90	0.23	0.23	0.23	0.23	0.23														
95	0.25	0.26	0.24	0.26	0.25														
100	0.27	0.29	0.27	0.29	0.28														
105	0.31	0.32	0.30	0.31	0.31														
110	0.34	0.37	0.35	0.37	0.35														
115	0.47	0.51	0.53	0.52	0.48														
120	0.87	0.94	1.01	0.99	0.99														
125	1.95	1.99	2.08	2.10	2.17														
130	3.80	3.80	3.96	3.98	4.15														
135	6.34	6.34	6.53	6.56	6.78														
140	9.35	9.36	9.55	9.61	9.82														
145	12.5	12.5	12.7	12.7	13.0														
150	15.4	15.4	15.5	15.5	15.6														
155	17.4	17.3	17.2	17.2	17.2														
160	17.8	17.6	17.5	17.2	17.1														
165	16.7	16.5	16.2	16.0	15.9														
170	14.6	14.4	14.2	14.1	14.0														
175	13.2	13.2	13.2	12.9	12.9														
180	12.9	13.0	13.2	13.1	13.0														

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Operators:LGL
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γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
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