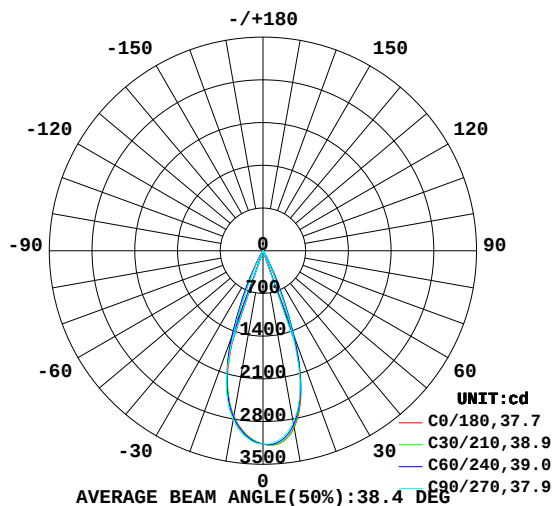


LUMINAIRE PHOTOMETRIC TEST REPORT

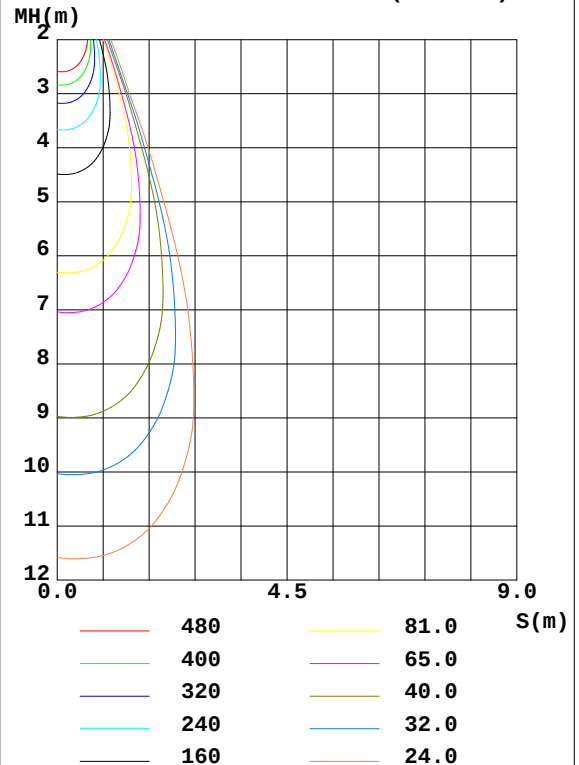
NAME: VM060-VF64SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 92.75 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3192	S/MH(C0/180)	0.57	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.57	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1253.1	η UP, DN(C0-180)	1.2, 49.2	
NOMINAL FLUX(lm)	1253.06	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.4	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.60	

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:

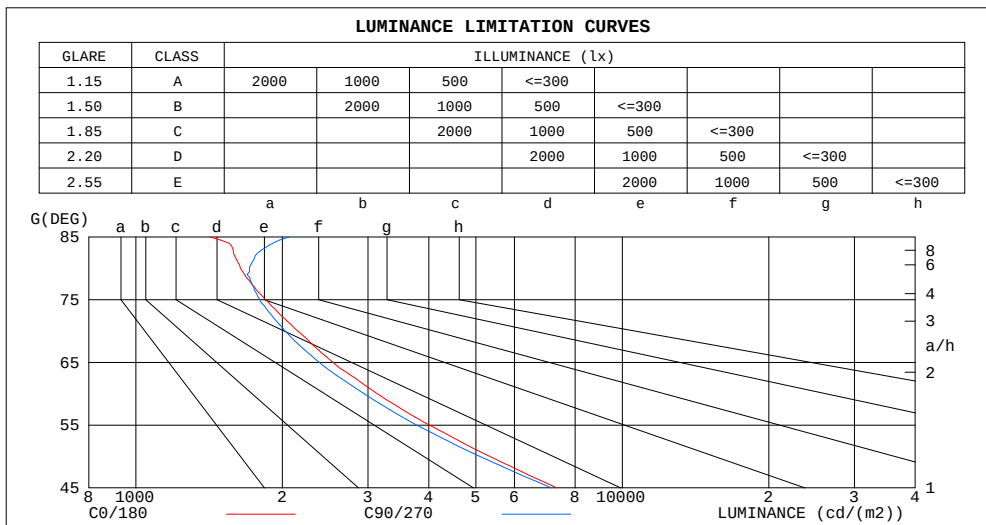
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2943	2925	2853	2806	2751	2752	2814	2865	0- 10	287.6	287.6	23,23
20	1411	1575	1387	1587	1315	1522	1369	1516	10- 20	620.7	908.3	72.5,72.5
30	76.77	167.7	97.74	172.6	141.5	166.6	123.6	130.7	20- 30	262.8	1171	93.5,93.5
40	21.07	19.33	21.23	21.65	23.26	22.26	21.93	18.05	30- 40	31.46	1202	96,96
50	9.525	6.232	9.262	6.808	10.80	6.786	10.03	6.482	40- 50	10.20	1213	96.8,96.8
60	4.345	3.150	4.165	3.481	4.839	3.438	4.514	3.329	50- 60	5.229	1218	97.2,97.2
70	2.040	1.630	1.959	1.807	2.225	1.759	2.073	1.716	60- 70	2.774	1221	97.4,97.4
80	0.7897	0.7270	0.8403	0.8367	0.8680	0.7876	0.8273	0.7421	70- 80	1.386	1222	97.5,97.5
90	0.2644	0.2638	0.2702	0.2672	0.2456	0.2353	0.2437	0.2358	80- 90	0.5166	1223	97.6,97.6
100	0.2910	0.2968	0.2901	0.2940	0.2996	0.2694	0.2969	0.2672	90-100	0.2916	1223	97.6,97.6
110	0.3517	0.3716	0.3388	0.3519	0.3543	0.3385	0.3589	0.3583	100-110	0.3280	1223	97.6,97.6
120	1.076	1.140	1.048	1.032	0.9883	1.131	1.034	1.219	110-120	0.5766	1224	97.7,97.7
130	4.266	4.152	4.289	4.062	4.241	4.201	4.247	4.285	120-130	2.150	1226	97.8,97.8
140	9.531	9.377	9.614	9.363	9.595	9.550	9.561	9.569	130-140	5.159	1231	98.2,98.2
150	15.23	15.15	15.36	15.20	15.45	15.39	15.42	15.35	140-150	7.777	1239	98.9,98.9
160	17.66	17.84	18.04	18.02	17.93	18.06	18.26	17.95	150-160	7.860	1247	99.5,99.5
170	15.55	15.48	15.74	15.76	15.72	15.82	15.85	15.54	160-170	4.884	1252	99.9,99.9
180	15.01	15.11	14.90	15.14	15.07	15.08	14.92	15.12	170-180	1.446	1253	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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1417	2070
80	1640	1711
75	1845	1799
70	2150	2026
65	2541	2382
60	3133	2946
55	4009	3778
50	5342	5096
45	7338	7161

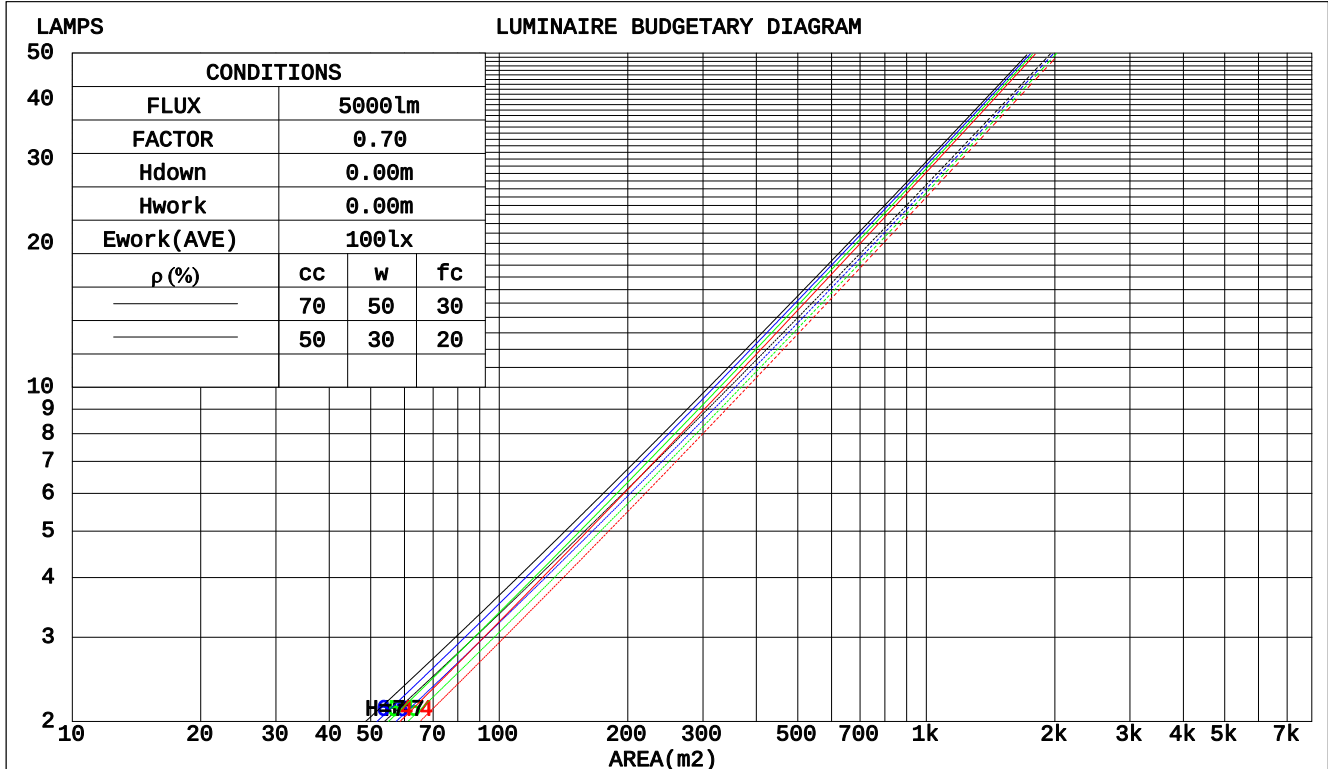
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-CRI90-38D	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	1.09	1.08	1.06	1.05	1.03	1.02	1.01	.00	.99	.97	.96	.95	.94
2.0	1.06	1.03	.00	1.04	1.01	.99	1.00	.98	.96	.97	.95	.94	.94	.93	.91	.90
3.0	1.01	.97	.94	.99	.96	.93	.96	.93	.91	.94	.91	.89	.91	.89	.88	.86
4.0	.96	.92	.89	.95	.91	.88	.93	.89	.87	.90	.88	.85	.88	.86	.84	.83
5.0	.92	.88	.84	.91	.87	.84	.89	.86	.83	.87	.84	.82	.86	.83	.81	.80
6.0	.88	.84	.80	.87	.83	.80	.86	.82	.79	.84	.81	.79	.83	.80	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.78	.76	.80	.77	.75	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.78	.75	.73	.71
9.0	.79	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.75	.72	.70	.69
10.0	.76	.72	.69	.76	.71	.69	.75	.71	.68	.74	.71	.68	.73	.70	.68	.67



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-CRI90-38D	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	.149	.084	.027	.141	.081	.026	.127	.073	.023	.115	.066	.021	.103	.060	.019		
2.0	.138	.076	.023	.132	.073	.022	.120	.067	.021	.110	.062	.019	.100	.057	.018		
3.0	.129	.069	.021	.124	.066	.020	.114	.062	.019	.105	.058	.018	.097	.054	.017		
4.0	.122	.063	.019	.117	.061	.018	.109	.058	.017	.101	.054	.016	.094	.051	.015		
5.0	.115	.059	.017	.111	.057	.017	.104	.054	.016	.097	.051	.015	.091	.048	.015		
6.0	.109	.055	.016	.106	.053	.015	.099	.051	.015	.093	.048	.014	.088	.046	.014		
7.0	.104	.051	.015	.101	.050	.014	.095	.048	.014	.090	.046	.013	.085	.044	.013		
8.0	.099	.049	.014	.097	.048	.013	.092	.046	.013	.087	.044	.013	.082	.042	.012		
9.0	.095	.046	.013	.093	.045	.013	.088	.044	.012	.084	.042	.012	.080	.041	.012		
10.0	.091	.044	.012	.089	.043	.012	.085	.042	.012	.081	.040	.011	.078	.039	.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	.161	.151	.143	.110	.104	.099	.063	.060	.057	.020	.019	.019	
2.0	.171	.151	.135	.146	.130	.117	.100	.090	.082	.058	.052	.048	.019	.017	.016	
3.0	.156	.132	.113	.134	.114	.098	.092	.079	.069	.053	.046	.041	.017	.015	.013	
4.0	.144	.117	.096	.124	.101	.084	.085	.071	.059	.049	.041	.035	.016	.013	.011	
5.0	.134	.105	.083	.115	.091	.073	.080	.064	.051	.046	.037	.030	.015	.012	.010	
6.0	.126	.095	.073	.108	.083	.064	.075	.058	.045	.043	.034	.027	.014	.011	.009	
7.0	.119	.087	.065	.102	.076	.057	.071	.053	.040	.041	.031	.024	.013	.010	.008	
8.0	.113	.081	.059	.097	.070	.051	.067	.049	.036	.039	.029	.022	.013	.010	.007	
9.0	.107	.075	.054	.092	.065	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
10.0	.102	.071	.050	.088	.061	.043	.061	.043	.031	.036	.026	.018	.012	.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-CRI90-38D						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	6.5	7.2	6.7	7.4	7.6	6.8	7.5	7.0	7.6	7.8	
3H	6.8	7.5	7.1	7.7	7.9	7.0	7.6	7.3	7.9	8.1	
4H	6.9	7.5	7.2	7.8	8.0	7.1	7.7	7.4	8.0	8.2	
6H	7.0	7.6	7.3	7.9	8.1	7.2	7.7	7.5	8.0	8.3	
8H	7.0	7.6	7.4	7.9	8.2	7.2	7.8	7.5	8.0	8.3	
12H	7.0	7.6	7.4	7.9	8.2	7.2	7.8	7.6	8.1	8.4	
4H 2H	6.5	7.1	6.8	7.3	7.6	6.7	7.3	7.0	7.6	7.8	
3H	6.8	7.4	7.2	7.7	8.0	7.0	7.6	7.4	7.9	8.2	
4H	7.0	7.5	7.4	7.9	8.2	7.2	7.7	7.6	8.0	8.4	
6H	7.2	7.6	7.6	8.0	8.4	7.3	7.8	7.7	8.1	8.5	
8H	7.2	7.7	7.7	8.0	8.5	7.4	7.8	7.8	8.2	8.6	
12H	7.3	7.7	7.7	8.1	8.5	7.5	7.8	7.9	8.3	8.7	
8H 4H	7.0	7.4	7.4	7.8	8.2	7.1	7.5	7.6	7.9	8.3	
6H	7.2	7.6	7.7	8.0	8.5	7.4	7.7	7.8	8.1	8.6	
8H	7.3	7.6	7.8	8.1	8.6	7.5	7.8	8.0	8.2	8.7	
12H	7.4	7.7	7.9	8.2	8.7	7.6	7.9	8.1	8.4	8.9	
12H 4H	7.0	7.3	7.4	7.7	8.2	7.1	7.5	7.5	7.9	8.3	
6H	7.2	7.5	7.7	8.0	8.4	7.3	7.6	7.8	8.1	8.6	
8H	7.3	7.6	7.8	8.1	8.6	7.5	7.7	8.0	8.2	8.7	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.1 / - 1.3					+ 1.1 / - 1.4					
1.5H	+ 2.0 / - 1.5					+ 1.9 / - 1.5					
2.0H	+ 2.5 / - 1.6					+ 2.5 / - 1.5					

CIE Pub.117, 1253 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.8$)

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:

UTILIZATION FACTORS TABLE

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

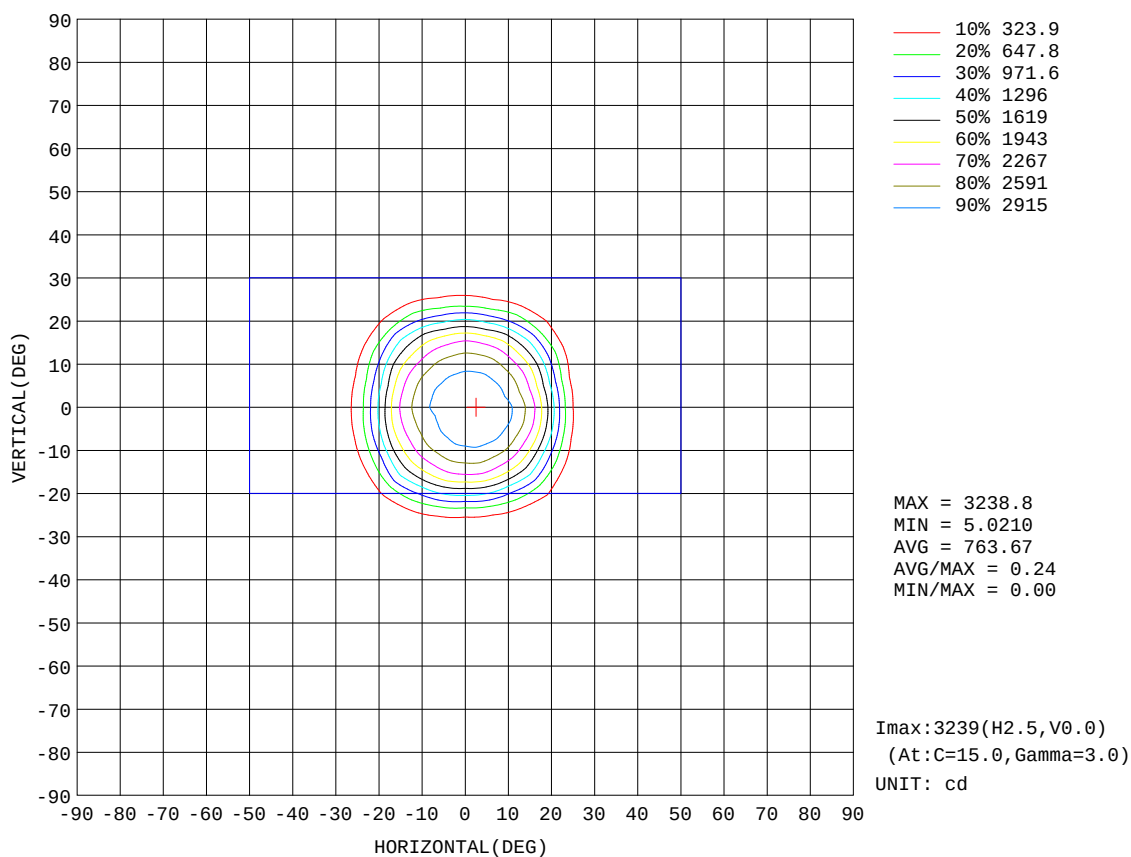
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	89	83	80	89	83	80	88	83	79	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	97	94	90	86
1.25	104	99	96	103	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										
SHRNOM = 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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

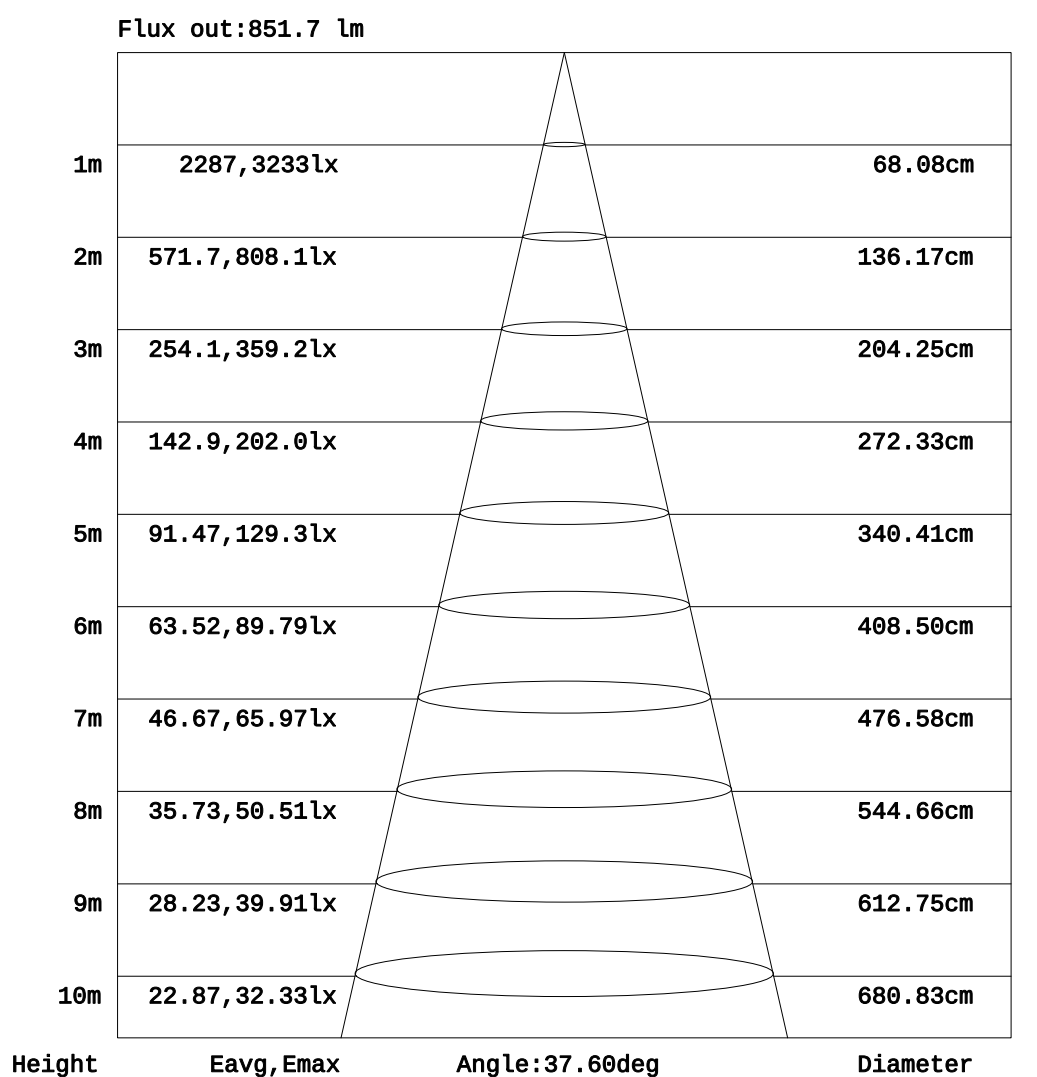


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



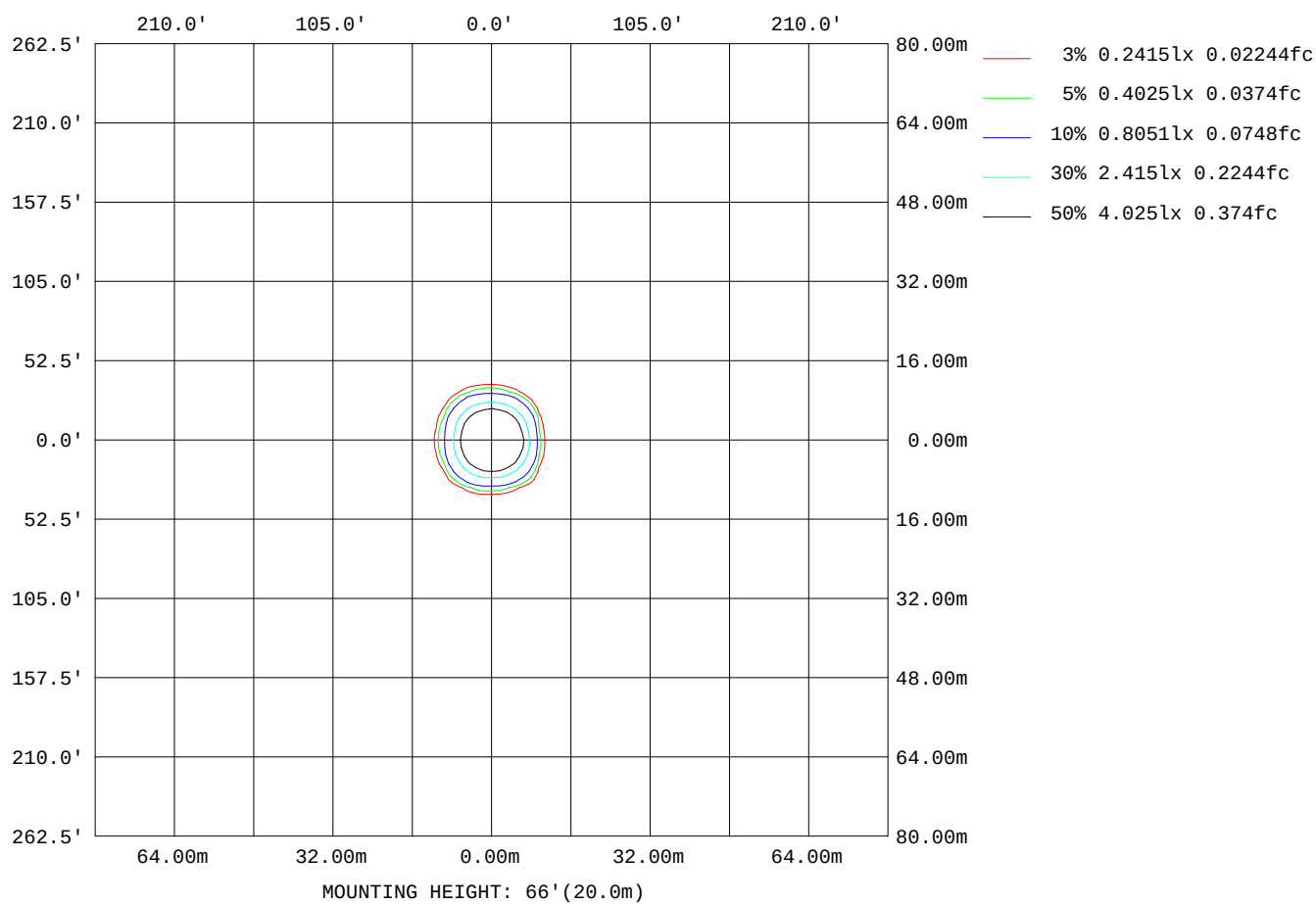
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-CRI90-38D	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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

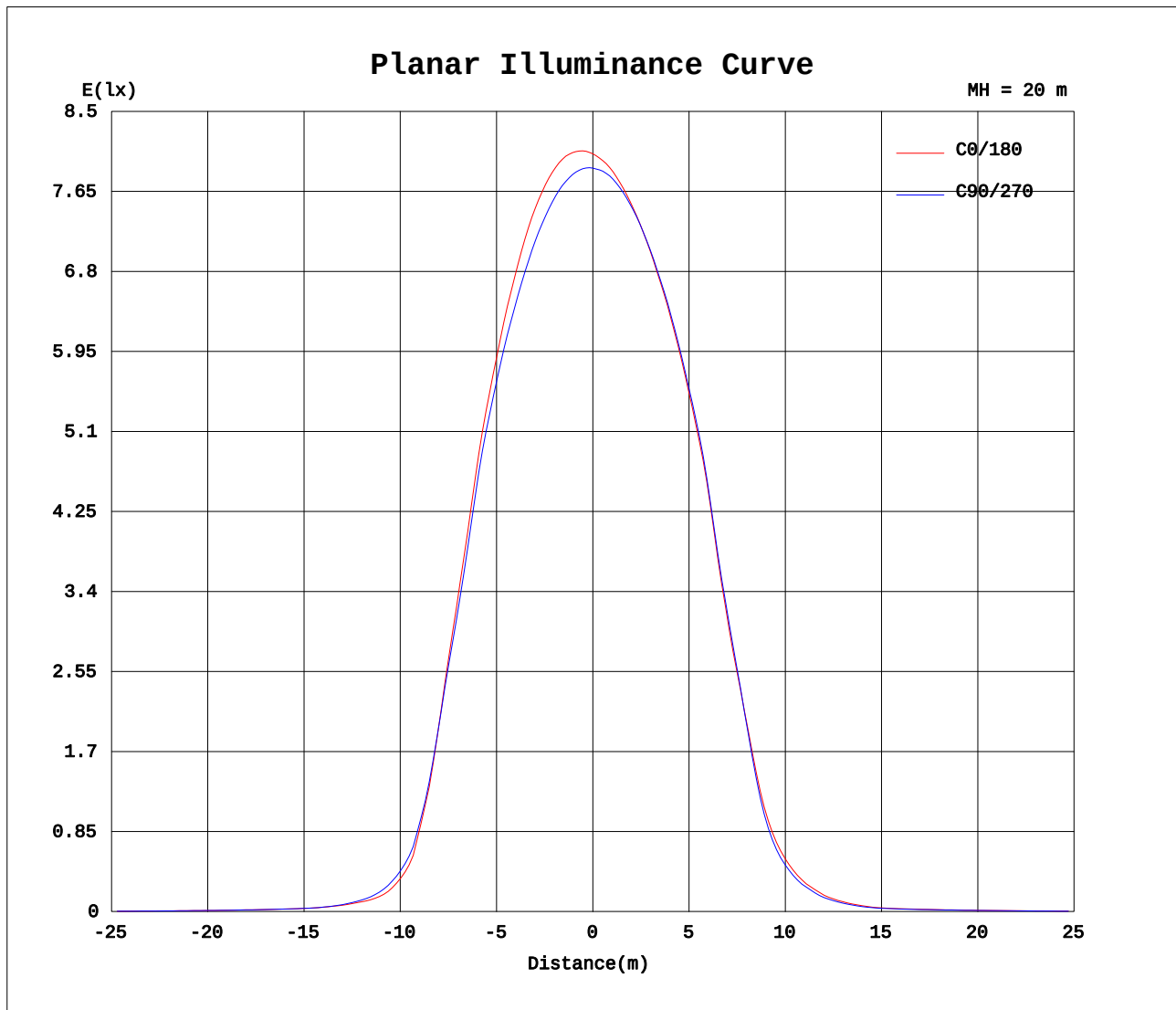
AvgL	cd/m2
L_0~180(65)av	2633
L_0~180(75)av	1907
L_0~180(85)av	1499
L_90~270(65)av	2484
L_90~270(75)av	1828
L_90~270(85)av	1982
L_45(65)av	2026
L_45(75)av	1643
L_45(85)av	1814

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-CRI90-38D	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	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168
5	3166	3177	3163	3155	3137	3131	3109	3100	3080	3071	3056	3049	3032	3030	3038	3037	3051	3059	3076
10	2943	2962	2928	2925	2891	2890	2853	2852	2816	2806	2776	2779	2751	2748	2760	2752	2776	2783	2814
15	2409	2423	2379	2397	2363	2389	2353	2356	2313	2320	2283	2299	2258	2236	2254	2246	2277	2278	2326
20	1411	1456	1481	1575	1469	1430	1387	1452	1507	1587	1493	1404	1315	1312	1468	1522	1495	1352	1369
25	316	386	549	611	545	419	372	449	598	678	597	504	445	470	605	623	615	454	412
30	76.8	78.9	96.4	168	105	97.2	97.7	108	121	173	136	146	141	136	154	167	155	126	124
35	33.5	36.2	40.2	44.2	43.5	39.5	35.1	38.8	44.9	53.5	52.9	50.7	45.1	46.8	55.3	56.5	52.7	42.1	39.5
40	21.1	20.7	18.1	19.3	18.9	21.3	21.2	20.6	18.7	21.7	21.0	22.9	23.3	22.0	20.7	22.3	20.1	21.1	21.9
45	14.4	14.0	10.9	9.50	11.1	14.3	14.3	14.1	11.3	9.97	12.4	16.1	16.3	15.3	12.2	9.95	11.9	14.7	15.2
50	9.52	9.16	7.20	6.23	7.22	9.13	9.26	9.02	7.42	6.81	8.21	10.5	10.8	10.1	8.08	6.79	7.90	9.64	10.0
55	6.38	6.08	4.88	4.39	4.87	5.99	6.13	5.94	5.05	4.84	5.57	6.97	7.19	6.68	5.50	4.83	5.39	6.40	6.70
60	4.34	4.11	3.40	3.15	3.39	4.04	4.16	4.03	3.55	3.48	3.89	4.69	4.84	4.52	3.85	3.44	3.78	4.34	4.51
65	2.98	2.85	2.42	2.27	2.41	2.81	2.85	2.81	2.55	2.52	2.74	3.22	3.30	3.08	2.72	2.47	2.67	2.96	3.07
70	2.04	1.97	1.73	1.63	1.71	1.93	1.96	1.95	1.82	1.81	1.93	2.21	2.23	2.12	1.91	1.76	1.86	2.02	2.07
75	1.32	1.31	1.18	1.14	1.19	1.30	1.32	1.32	1.27	1.27	1.34	1.48	1.46	1.41	1.30	1.21	1.26	1.34	1.35
80	0.79	0.81	0.75	0.73	0.78	0.83	0.84	0.85	0.84	0.84	0.87	0.93	0.87	0.87	0.82	0.79	0.80	0.83	0.83
85	0.34	0.42	0.41	0.43	0.47	0.49	0.51	0.51	0.51	0.50	0.49	0.52	0.39	0.39	0.43	0.44	0.46	0.47	0.46
90	0.26	0.27	0.26	0.26	0.26	0.27	0.27	0.27	0.26	0.27	0.27	0.27	0.25	0.24	0.24	0.24	0.24	0.24	0.24
95	0.27	0.29	0.27	0.28	0.27	0.29	0.27	0.29	0.27	0.28	0.27	0.29	0.27	0.25	0.26	0.24	0.26	0.24	0.27
100	0.29	0.30	0.28	0.30	0.28	0.30	0.29	0.30	0.28	0.29	0.27	0.30	0.30	0.27	0.29	0.27	0.28	0.27	0.30
105	0.30	0.32	0.30	0.32	0.30	0.32	0.31	0.32	0.29	0.31	0.29	0.31	0.31	0.30	0.31	0.29	0.30	0.30	0.32
110	0.35	0.37	0.35	0.37	0.35	0.36	0.34	0.36	0.34	0.35	0.32	0.34	0.35	0.33	0.35	0.34	0.35	0.34	0.36
115	0.52	0.54	0.55	0.56	0.55	0.52	0.49	0.49	0.50	0.51	0.48	0.45	0.45	0.47	0.53	0.54	0.52	0.48	0.49
120	1.08	1.08	1.16	1.14	1.15	1.06	1.05	1.01	1.06	1.03	1.02	0.93	0.99	1.05	1.07	1.13	1.08	1.07	1.03
125	2.33	2.31	2.36	2.33	2.35	2.30	2.32	2.26	2.27	2.21	2.21	2.15	2.29	2.31	2.28	2.31	2.30	2.33	2.31
130	4.27	4.18	4.23	4.15	4.23	4.19	4.29	4.18	4.18	4.06	4.12	4.06	4.24	4.28	4.15	4.20	4.16	4.27	4.25
135	6.73	6.62	6.66	6.55	6.66	6.64	6.78	6.65	6.66	6.51	6.61	6.54	6.74	6.78	6.62	6.68	6.62	6.77	6.72
140	9.53	9.45	9.48	9.38	9.51	9.49	9.61	9.51	9.53	9.36	9.47	9.40	9.60	9.65	9.50	9.55	9.50	9.64	9.56
145	12.5	12.5	12.5	12.4	12.5	12.5	12.6	12.5	12.5	12.4	12.5	12.4	12.6	12.7	12.5	12.6	12.5	12.7	12.6
150	15.2	15.2	15.2	15.1	15.2	15.3	15.4	15.3	15.3	15.2	15.3	15.2	15.5	15.5	15.4	15.4	15.4	15.5	15.4
155	17.1	17.1	17.1	17.1	17.2	17.2	17.3	17.3	17.3	17.2	17.3	17.2	17.4	17.4	17.3	17.4	17.4	17.5	17.5
160	17.7	17.6	17.6	17.8	17.9	18.0	18.0	18.1	18.0	18.0	17.8	17.8	17.9	17.9	17.9	18.1	18.1	18.2	18.3
165	17.0	16.9	16.8	17.0	17.2	17.5	17.6	17.6	17.4	17.3	17.2	17.3	17.2	17.3	17.3	17.3	17.4	17.5	17.6
170	15.5	15.5	15.4	15.5	15.5	15.7	15.7	15.8	15.7	15.8	15.8	15.9	15.7	15.8	15.9	15.8	15.8	15.8	15.9
175	14.7	14.8	14.7	14.9	14.8	14.7	14.7	14.8	14.9	15.1	15.1	15.0	14.9	15.0	15.1	15.2	15.1	14.9	14.9
180	15.0	15.0	15.0	15.1	14.9	14.8	14.9	14.9	14.9	15.1	15.0	15.0	15.1	15.0	15.0	15.1	14.9	14.8	14.9

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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	3168	3168	3168	3168	3168													
5	3089	3111	3122	3143	3148													
10	2829	2860	2865	2900	2910													
15	2318	2351	2341	2378	2363													
20	1341	1471	1516	1496	1370													
25	420	552	571	541	329													
30	109	124	131	97.2	76.1													
35	40.7	46.7	42.9	40.7	33.9													
40	21.0	19.1	18.0	18.2	20.1													
45	14.4	11.5	9.39	11.2	13.7													
50	9.37	7.64	6.48	7.46	8.97													
55	6.21	5.24	4.64	5.12	5.99													
60	4.22	3.69	3.33	3.61	4.09													
65	2.88	2.60	2.40	2.57	2.82													
70	1.97	1.82	1.72	1.81	1.94													
75	1.31	1.23	1.18	1.21	1.27													
80	0.81	0.78	0.74	0.74	0.77													
85	0.46	0.44	0.41	0.37	0.35													
90	0.24	0.24	0.24	0.24	0.23													
95	0.25	0.26	0.24	0.26	0.25													
100	0.27	0.29	0.27	0.29	0.27													
105	0.30	0.32	0.30	0.32	0.31													
110	0.35	0.37	0.36	0.38	0.36													
115	0.51	0.56	0.59	0.57	0.56													
120	1.12	1.15	1.22	1.18	1.18													
125	2.37	2.37	2.42	2.41	2.45													
130	4.29	4.21	4.28	4.26	4.37													
135	6.77	6.64	6.71	6.68	6.85													
140	9.64	9.49	9.57	9.53	9.70													
145	12.7	12.5	12.6	12.6	12.7													
150	15.5	15.4	15.3	15.3	15.4													
155	17.5	17.4	17.3	17.2	17.2													
160	18.1	18.1	17.9	17.8	17.7													
165	17.4	17.3	17.1	17.0	17.0													
170	15.7	15.7	15.5	15.6	15.6													
175	14.9	15.0	15.0	14.8	14.8													
180	14.8	14.9	15.1	15.0	15.0													

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: