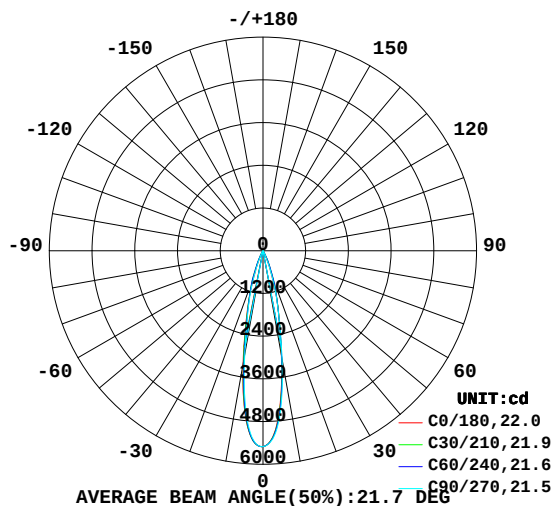


LUMINAIRE PHOTOMETRIC TEST REPORT

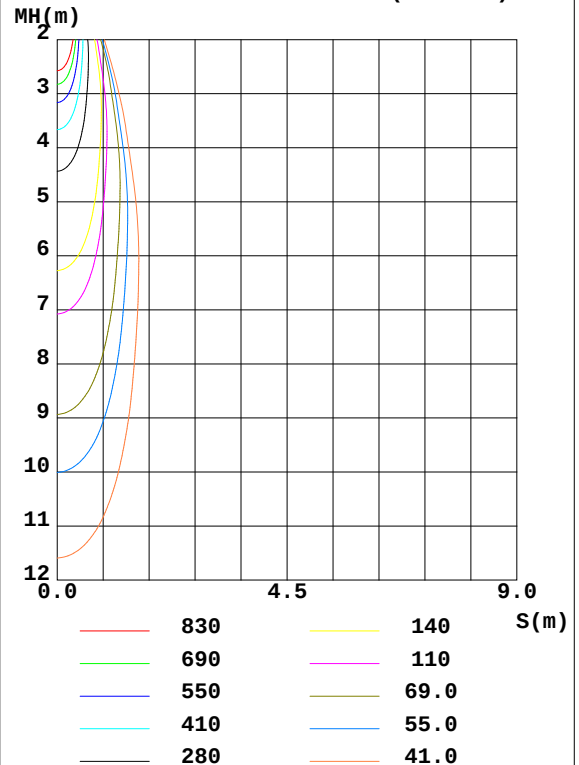
NAME: VM060-VF64SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 81.88 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5507	S/MH(C0/180)	0.39	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.36	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1100.2	η UP, DN(C0-180)	1.2, 49.5	
NOMINAL FLUX(lm)	1100.16	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.0	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	1.00	

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:

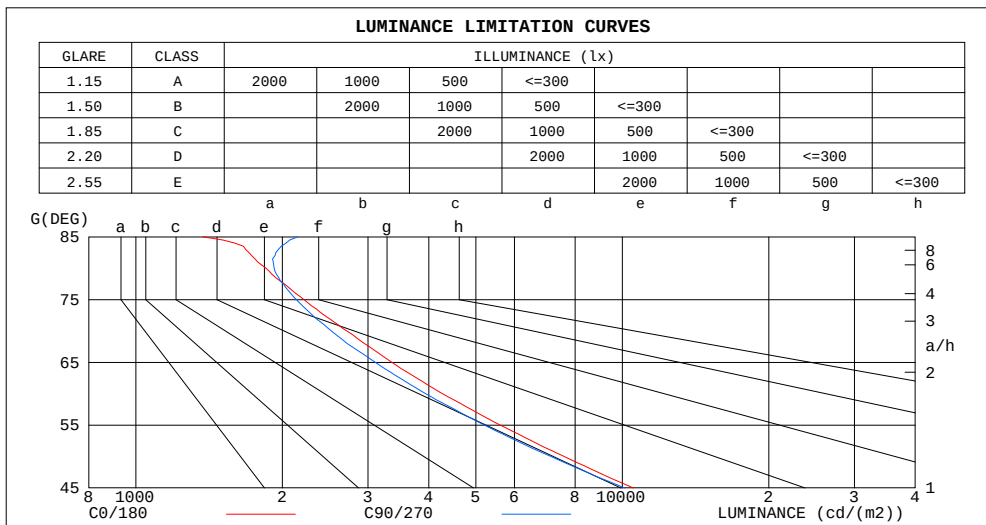
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3000	3087	3089	3292	3234	3068	2970	2870	0- 10	405.5	405.5	36.9,36.9
20	685.7	949.5	679.3	955.2	694.6	910.2	661.2	898.6	10- 20	454.1	859.6	78.1,78.1
30	75.53	150.1	73.22	153.7	82.39	140.7	76.15	134.6	20- 30	153.5	1013	92.1,92.1
40	30.65	24.44	30.02	26.43	33.71	26.51	32.03	24.07	30- 40	32.41	1046	95,95
50	13.73	8.664	12.92	9.535	14.99	9.645	14.18	9.189	40- 50	14.70	1060	96.4,96.4
60	6.008	4.193	5.558	4.627	6.425	4.646	6.148	4.559	50- 60	7.246	1067	97,97
70	2.612	2.028	2.432	2.244	2.776	2.203	2.633	2.183	60- 70	3.626	1071	97.4,97.4
80	0.9055	0.8132	0.9421	0.9438	1.017	0.8942	0.9574	0.8481	70- 80	1.670	1073	97.5,97.5
90	0.2360	0.2383	0.2441	0.2323	0.2338	0.2204	0.2298	0.2190	80- 90	0.5480	1073	97.6,97.6
100	0.2975	0.2934	0.2826	0.2877	0.3153	0.2735	0.3094	0.2787	90-100	0.2791	1074	97.6,97.6
110	0.3682	0.3840	0.3622	0.3718	0.3926	0.3749	0.3866	0.3826	100-110	0.3467	1074	97.6,97.6
120	0.7840	0.8545	0.7500	0.8148	0.7707	0.8726	0.7630	0.9083	110-120	0.5187	1074	97.7,97.7
130	3.094	2.898	2.955	2.775	3.059	3.003	3.080	3.146	120-130	1.489	1076	97.8,97.8
140	8.624	8.360	8.427	8.105	8.545	8.546	8.709	8.811	130-140	4.200	1080	98.2,98.2
150	14.38	14.26	14.36	14.19	14.43	14.45	14.55	14.54	140-150	7.255	1087	98.8,98.8
160	16.17	16.14	16.53	16.43	16.53	16.50	16.75	16.33	150-160	7.275	1095	99.5,99.5
170	12.80	12.69	13.26	13.39	13.62	13.47	13.42	12.80	160-170	4.365	1099	99.9,99.9
180	10.83	10.80	10.67	10.80	10.85	10.80	10.68	10.80	170-180	1.138	1100	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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1373	2151
80	1852	1924
75	2215	2136
70	2712	2522
65	3358	3106
60	4268	3942
55	5609	5204
50	7589	7130
45	10530	10113

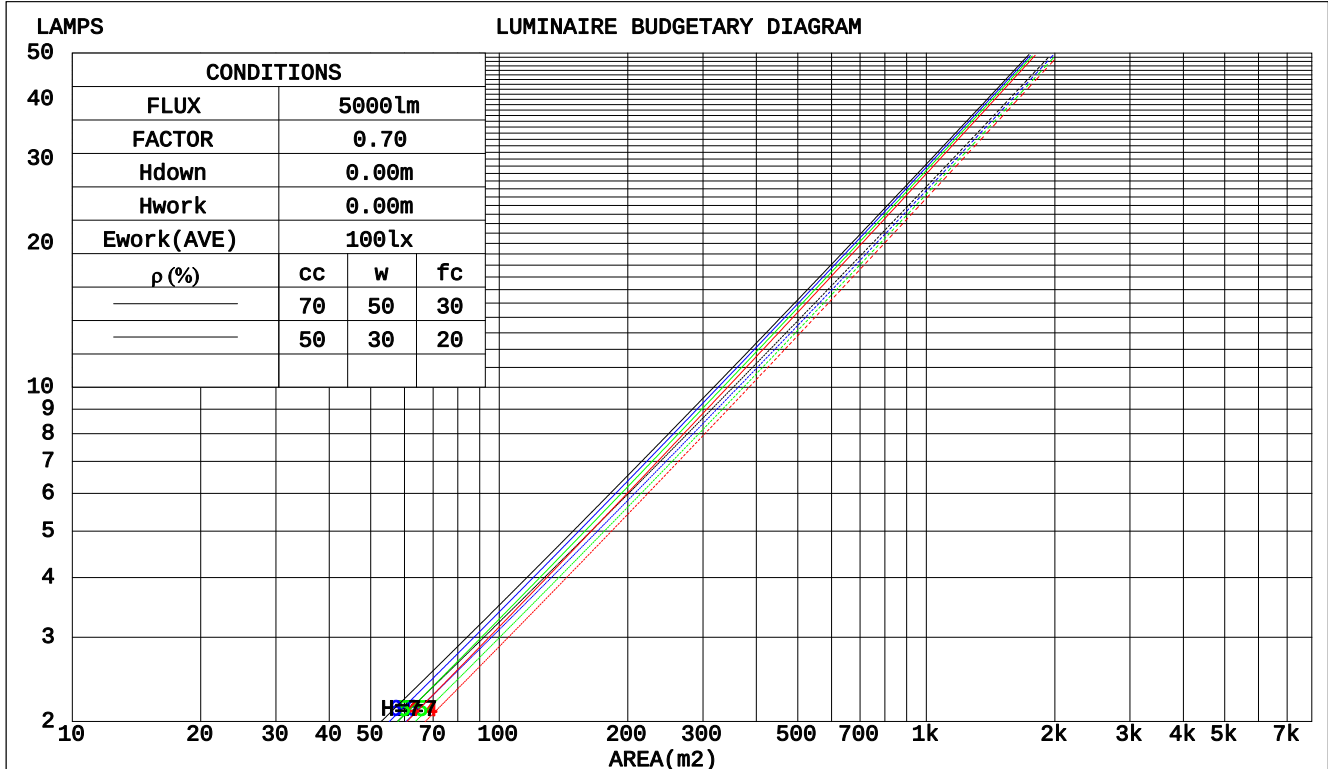
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-CRI90-15D	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	.98	.97	.96	.94
2.0	1.07	1.04	1.01	1.05	1.02	.00	1.01	.99	.97	.98	.96	.95	.95	.94	.93	.91
3.0	1.02	.98	.95	1.01	.97	.94	.98	.95	.93	.95	.93	.91	.93	.91	.89	.88
4.0	.98	.94	.91	.97	.93	.90	.94	.91	.89	.92	.90	.88	.90	.88	.86	.85
5.0	.94	.90	.87	.93	.89	.87	.91	.88	.86	.90	.87	.85	.88	.86	.84	.83
6.0	.91	.87	.84	.90	.86	.83	.89	.85	.83	.87	.84	.82	.86	.83	.81	.80
7.0	.88	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.84	.81	.79	.78
8.0	.85	.81	.78	.85	.81	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.76
9.0	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.77	.75	.80	.77	.75	.74
10.0	.81	.77	.74	.80	.76	.74	.79	.76	.74	.79	.76	.73	.78	.75	.73	.72



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:

WEC AND CCEC

NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	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	.141	.080	.025	.133	.076	.024	.119	.069	.022	.107	.062	.020	.095	.055	.018		
2.0	.130	.071	.022	.124	.068	.021	.112	.063	.019	.102	.057	.018	.092	.052	.016		
3.0	.121	.064	.019	.116	.062	.019	.106	.057	.017	.097	.053	.016	.089	.049	.015		
4.0	.113	.059	.017	.109	.057	.017	.100	.053	.016	.093	.050	.015	.085	.046	.014		
5.0	.106	.054	.016	.103	.053	.015	.095	.050	.015	.089	.047	.014	.082	.044	.013		
6.0	.100	.050	.014	.097	.049	.014	.091	.047	.014	.085	.044	.013	.079	.042	.012		
7.0	.095	.047	.013	.092	.046	.013	.087	.044	.013	.081	.042	.012	.077	.040	.012		
8.0	.090	.044	.012	.088	.043	.012	.083	.041	.012	.078	.040	.011	.074	.038	.011		
9.0	.086	.042	.012	.084	.041	.011	.080	.039	.011	.075	.038	.011	.072	.036	.011		
10.0	.082	.040	.011	.080	.039	.011	.076	.037	.011	.073	.036	.010	.069	.035	.010		

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	.187	.176	.167	.160	.151	.143	.110	.104	.099	.063	.060	.058	.020	.019	.019		
2.0	.170	.152	.136	.145	.130	.118	.100	.090	.082	.057	.053	.048	.018	.017	.016		
3.0	.155	.132	.114	.133	.114	.099	.091	.079	.070	.053	.046	.041	.017	.015	.013		
4.0	.142	.117	.098	.122	.101	.085	.084	.070	.060	.049	.041	.035	.016	.013	.012		
5.0	.132	.105	.085	.113	.091	.074	.078	.063	.052	.045	.037	.031	.015	.012	.010		
6.0	.123	.095	.075	.106	.082	.065	.073	.058	.046	.042	.034	.027	.014	.011	.009		
7.0	.115	.087	.067	.099	.075	.058	.069	.053	.041	.040	.031	.024	.013	.010	.008		
8.0	.109	.080	.060	.094	.069	.052	.065	.049	.037	.038	.029	.022	.012	.009	.007		
9.0	.103	.074	.055	.089	.065	.048	.062	.045	.034	.036	.027	.020	.012	.009	.007		
10.0	.098	.070	.051	.085	.060	.044	.059	.043	.031	.034	.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-CRI90-15D						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	2H	9.2	9.9	9.4	10.0	10.2	9.0	9.7	9.3	9.9	10.1
	3H	9.5	10.1	9.8	10.3	10.6	9.3	9.9	9.6	10.1	10.4
	4H	9.6	10.2	9.9	10.4	10.7	9.4	10.0	9.7	10.2	10.5
	6H	9.6	10.2	10.0	10.5	10.7	9.5	10.0	9.8	10.3	10.6
	8H	9.6	10.2	10.0	10.5	10.8	9.5	10.0	9.8	10.3	10.6
	12H	9.6	10.1	10.0	10.4	10.8	9.5	10.0	9.8	10.3	10.6
4H	2H	9.2	9.7	9.5	10.0	10.2	9.0	9.6	9.3	9.8	10.1
	3H	9.5	10.0	9.9	10.3	10.7	9.4	9.9	9.7	10.2	10.5
	4H	9.7	10.2	10.1	10.5	10.8	9.5	10.0	9.9	10.3	10.7
	6H	9.8	10.2	10.2	10.6	11.0	9.6	10.0	10.0	10.4	10.8
	8H	9.8	10.2	10.2	10.6	11.0	9.7	10.1	10.1	10.4	10.9
	12H	9.8	10.2	10.3	10.6	11.0	9.7	10.1	10.2	10.5	10.9
8H	4H	9.6	10.0	10.1	10.4	10.8	9.5	9.8	9.9	10.2	10.6
	6H	9.8	10.1	10.3	10.5	11.0	9.6	10.0	10.1	10.4	10.8
	8H	9.8	10.1	10.3	10.6	11.1	9.7	10.0	10.2	10.5	10.9
	12H	9.9	10.1	10.4	10.6	11.1	9.8	10.0	10.3	10.5	11.0
12H	4H	9.6	9.9	10.0	10.4	10.8	9.4	9.8	9.9	10.2	10.6
	6H	9.8	10.0	10.2	10.5	11.0	9.6	9.9	10.1	10.3	10.8
	8H	9.8	10.1	10.3	10.6	11.1	9.7	9.9	10.2	10.4	10.9
Variations with the observer position at spacings:											
S = 1.0H		+ 1.3 / - 1.6					+ 1.3 / - 1.7				
1.5H		+ 2.2 / - 1.9					+ 2.2 / - 1.9				
2.0H		+ 2.9 / - 2.1					+ 2.9 / - 2.0				

CIE Pub.117, 1100 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.3$)

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

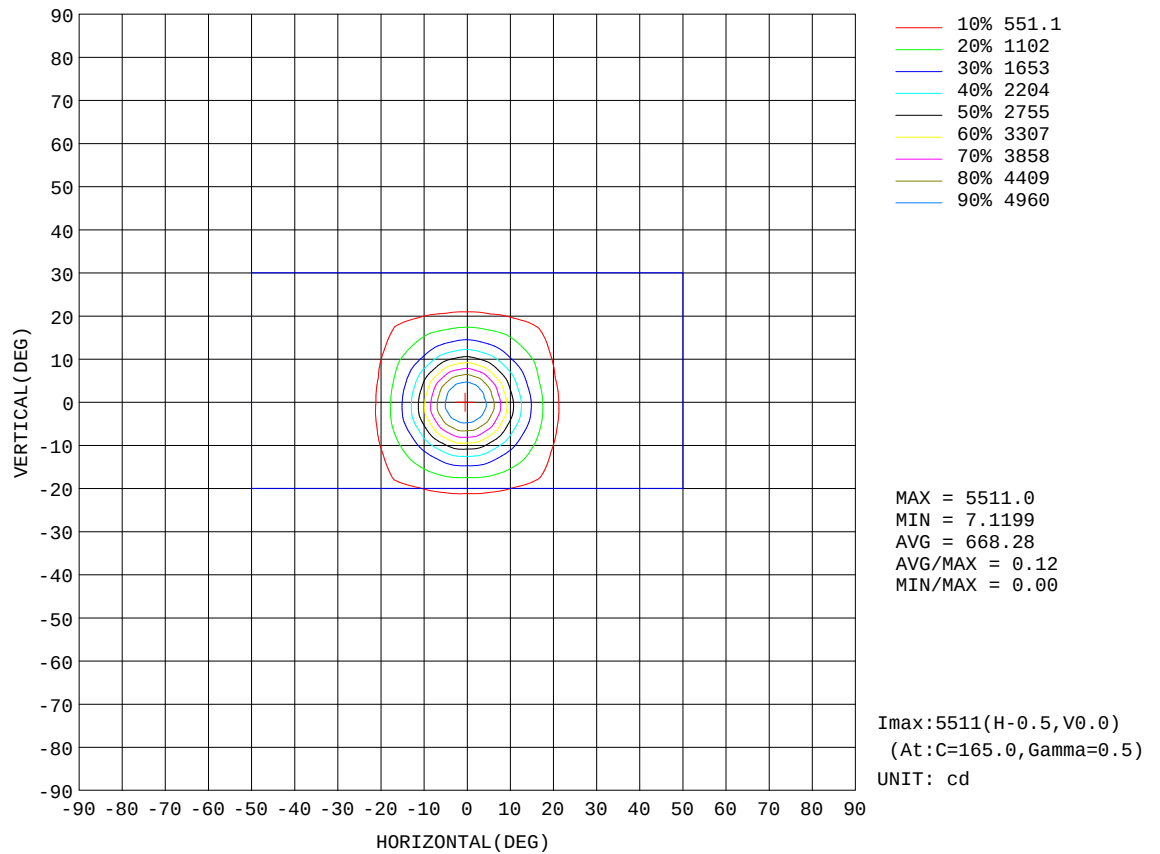
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	89	83	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	86	93	89	86	82
1.00	100	94	91	99	94	91	97	93	90	86
1.25	103	98	95	102	98	95	100	96	94	89
1.50	106	101	98	105	101	98	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	106	109	107	104	106	104	102	95
4.00	113	111	109	111	109	107	107	105	104	96
5.00	115	113	111	112	110	109	108	107	105	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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

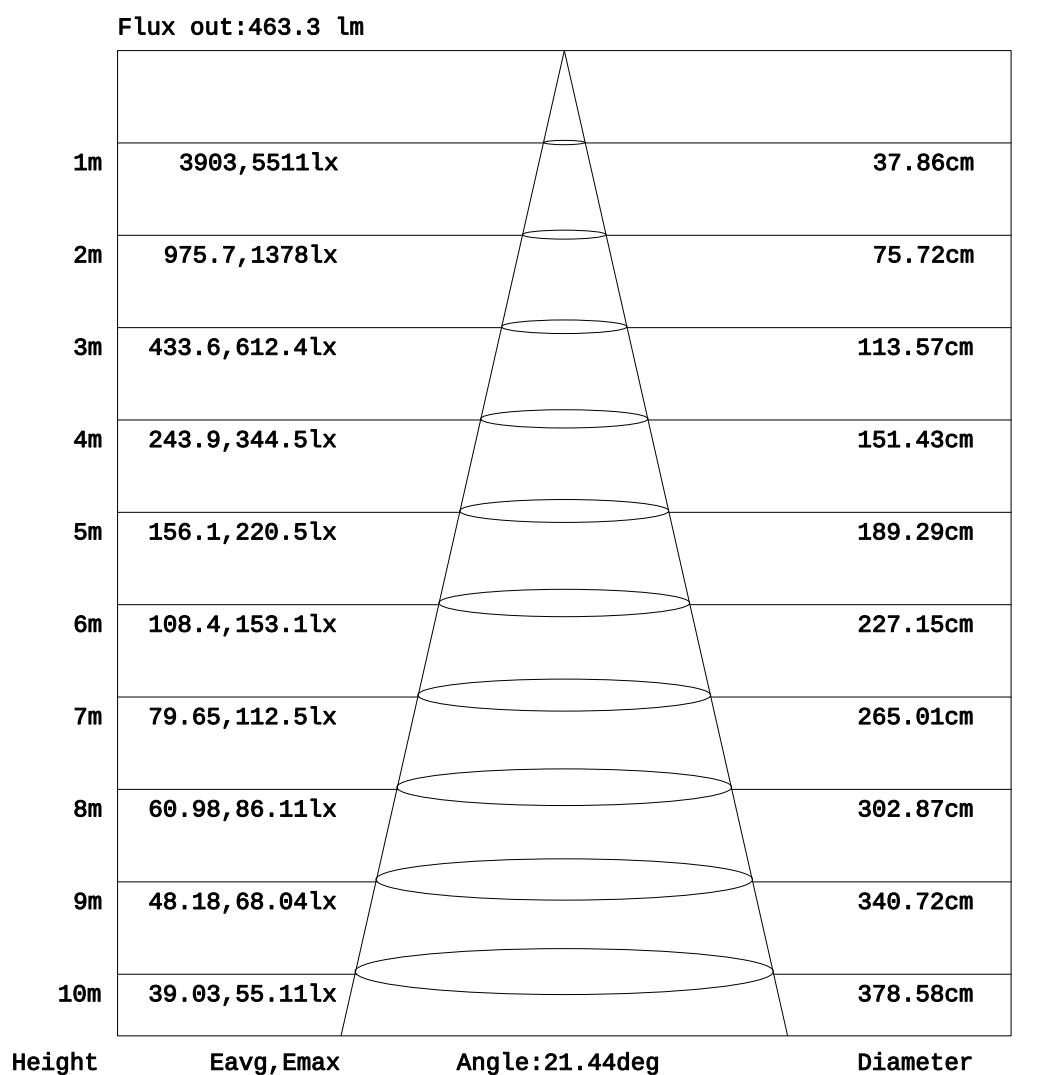


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



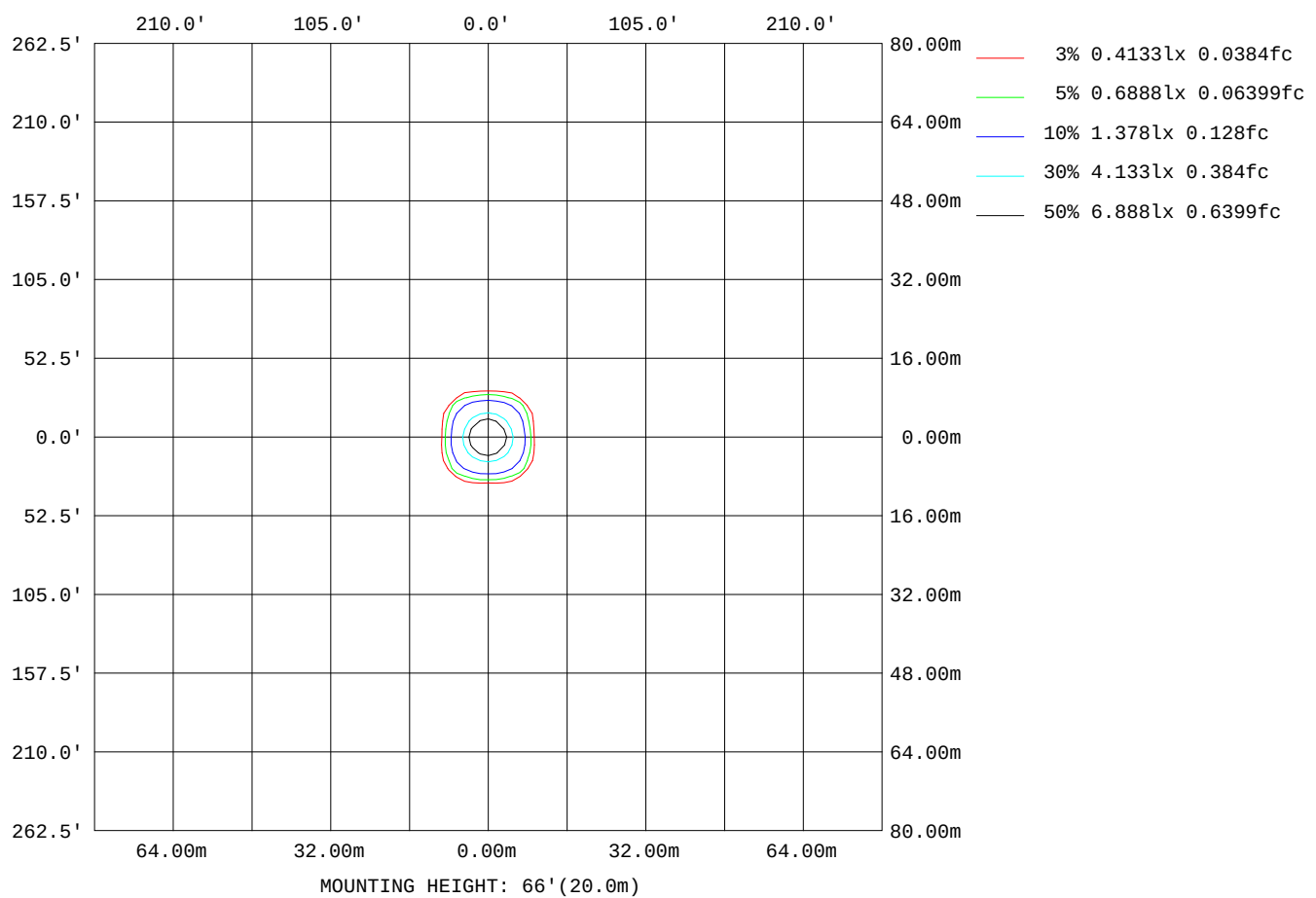
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-CRI90-15D	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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

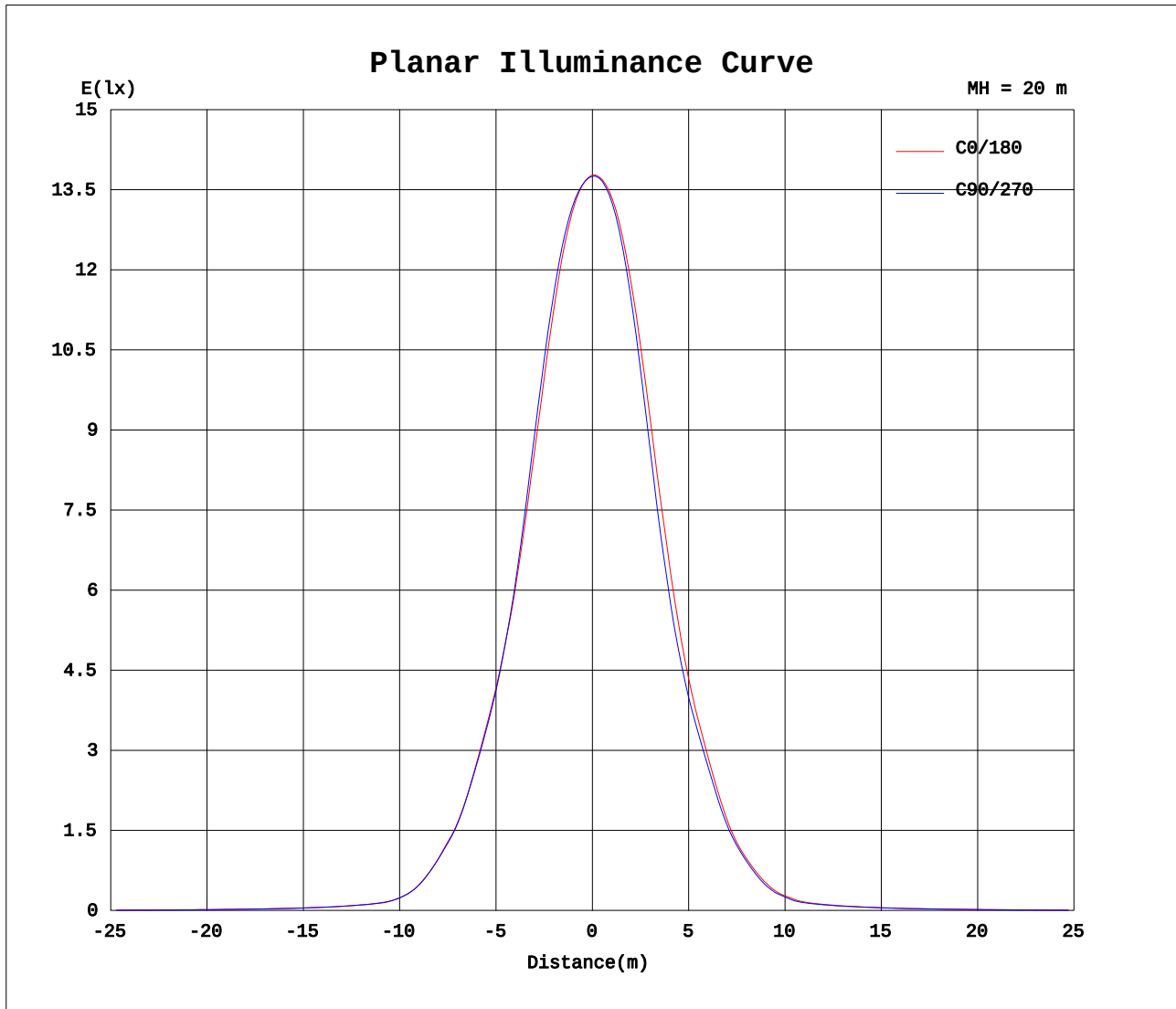
AvgL	cd/m2
L_0~180(65)av	3449
L_0~180(75)av	2306
L_0~180(85)av	1559
L_90~270(65)av	3244
L_90~270(75)av	2197
L_90~270(85)av	2098
L_45(65)av	2639
L_45(75)av	1968
L_45(85)av	1892

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-CRI90-15D	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	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502	5502
5	4783	4835	4806	4862	4838	4906	4892	4959	4945	5006	4985	5038	4965	4928	4963	4908	4932	4865	4878
10	3000	3073	3017	3087	3038	3128	3089	3197	3178	3292	3263	3357	3234	3157	3176	3068	3076	2956	2970
15	1616	1657	1618	1639	1599	1633	1593	1647	1627	1683	1669	1733	1669	1632	1648	1584	1603	1538	1555
20	686	734	851	949	852	729	679	736	866	955	903	780	695	708	886	910	867	681	661
25	202	251	346	440	344	252	202	253	350	504	356	277	223	247	347	462	341	231	204
30	75.5	78.5	101	150	103	76.4	73.2	77.1	104	154	121	87.1	82.4	83.0	119	141	109	77.7	76.1
35	45.6	46.5	45.4	45.0	46.4	46.8	45.3	47.0	47.1	51.3	50.7	52.1	50.5	50.4	50.6	50.0	49.6	48.2	47.8
40	30.7	30.0	26.6	24.4	26.8	29.9	30.0	30.2	28.0	26.4	29.9	33.7	33.7	32.6	30.1	26.5	29.6	31.5	32.0
45	21.0	20.4	15.8	13.4	15.6	20.0	20.2	20.3	16.6	14.7	17.8	23.0	23.1	22.2	17.9	14.9	17.7	21.6	21.9
50	13.7	13.2	10.2	8.66	9.92	12.6	12.9	12.8	10.6	9.53	11.4	14.7	15.0	14.2	11.5	9.64	11.4	13.8	14.2
55	9.06	8.60	6.82	6.03	6.58	8.13	8.42	8.26	7.03	6.63	7.54	9.48	9.76	9.14	7.59	6.67	7.55	8.98	9.32
60	6.01	5.68	4.64	4.19	4.49	5.37	5.56	5.46	4.80	4.63	5.10	6.20	6.42	6.01	5.15	4.65	5.12	5.91	6.15
65	4.00	3.76	3.17	2.94	3.08	3.58	3.70	3.65	3.29	3.25	3.49	4.10	4.22	4.00	3.53	3.21	3.50	3.91	4.03
70	2.61	2.51	2.16	2.03	2.11	2.39	2.43	2.44	2.25	2.24	2.37	2.72	2.78	2.63	2.39	2.20	2.34	2.55	2.63
75	1.61	1.58	1.41	1.35	1.40	1.54	1.56	1.57	1.50	1.50	1.57	1.75	1.75	1.68	1.57	1.45	1.53	1.60	1.65
80	0.91	0.91	0.84	0.81	0.87	0.93	0.94	0.95	0.94	0.94	0.98	1.06	1.02	1.00	0.95	0.89	0.92	0.95	0.96
85	0.34	0.42	0.42	0.43	0.48	0.51	0.53	0.53	0.53	0.53	0.53	0.54	0.43	0.39	0.47	0.47	0.49	0.50	0.50
90	0.24	0.24	0.23	0.24	0.24	0.24	0.24	0.23	0.24	0.23	0.24	0.24	0.23	0.23	0.22	0.22	0.22	0.23	0.23
95	0.25	0.27	0.24	0.26	0.24	0.27	0.25	0.27	0.24	0.26	0.24	0.26	0.27	0.24	0.25	0.23	0.26	0.24	0.27
100	0.30	0.30	0.28	0.29	0.27	0.30	0.28	0.30	0.27	0.29	0.28	0.29	0.32	0.28	0.30	0.27	0.29	0.28	0.31
105	0.32	0.34	0.31	0.33	0.31	0.34	0.32	0.33	0.31	0.32	0.30	0.32	0.35	0.32	0.33	0.31	0.33	0.32	0.35
110	0.37	0.38	0.36	0.38	0.36	0.38	0.36	0.38	0.36	0.37	0.35	0.37	0.39	0.36	0.39	0.37	0.38	0.36	0.39
115	0.46	0.49	0.50	0.52	0.49	0.48	0.45	0.47	0.48	0.50	0.48	0.46	0.47	0.47	0.51	0.52	0.50	0.46	0.46
120	0.78	0.80	0.85	0.85	0.84	0.78	0.75	0.76	0.81	0.81	0.80	0.75	0.77	0.80	0.85	0.87	0.83	0.79	0.76
125	1.61	1.56	1.60	1.54	1.57	1.51	1.54	1.48	1.52	1.48	1.50	1.45	1.55	1.60	1.57	1.61	1.56	1.59	1.55
130	3.09	3.01	2.99	2.90	2.93	2.90	2.96	2.86	2.84	2.78	2.82	2.82	3.06	3.07	2.98	3.00	2.98	3.07	3.08
135	5.52	5.38	5.38	5.21	5.29	5.21	5.31	5.14	5.14	4.99	5.09	5.06	5.43	5.48	5.33	5.40	5.37	5.54	5.53
140	8.62	8.52	8.52	8.36	8.44	8.36	8.43	8.29	8.26	8.11	8.18	8.15	8.55	8.60	8.49	8.55	8.55	8.70	8.71
145	11.8	11.7	11.8	11.6	11.7	11.6	11.7	11.6	11.6	11.4	11.5	11.4	11.8	11.9	11.8	11.8	11.8	12.0	12.0
150	14.4	14.3	14.3	14.3	14.3	14.3	14.4	14.3	14.3	14.2	14.2	14.2	14.4	14.5	14.4	14.5	14.5	14.6	14.6
155	15.9	15.8	15.8	15.8	15.9	15.9	16.0	15.9	15.9	15.9	15.9	15.9	16.1	16.1	16.0	16.0	16.1	16.1	16.2
160	16.2	16.0	16.0	16.1	16.3	16.4	16.5	16.5	16.4	16.4	16.3	16.4	16.5	16.5	16.4	16.5	16.6	16.7	16.8
165	15.0	14.9	14.8	15.0	15.3	15.7	15.8	15.8	15.6	15.5	15.5	15.7	15.7	15.7	15.7	15.6	15.7	15.8	15.9
170	12.8	12.8	12.7	12.7	12.8	13.1	13.3	13.4	13.3	13.4	13.5	13.7	13.6	13.6	13.7	13.5	13.5	13.4	13.4
175	11.0	11.0	10.9	11.0	11.0	11.0	11.0	11.2	11.4	11.6	11.6	11.6	11.6	11.6	11.7	11.7	11.6	11.4	11.2
180	10.8	10.8	10.7	10.8	10.7	10.6	10.7	10.6	10.6	10.8	10.7	10.7	10.8	10.8	10.7	10.8	10.7	10.6	10.7

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	5502	5502	5502	5502	5502														
5	4803	4816	4749	4771	4721														
10	2882	2929	2870	2929	2892														
15	1519	1560	1527	1581	1554														
20	667	844	899	833	672														
25	230	330	391	335	220														
30	77.3	106	135	98.6	74.7														
35	47.7	47.5	43.3	46.1	45.0														
40	30.9	27.8	24.1	26.9	29.2														
45	20.9	16.7	13.5	16.3	19.9														
50	13.3	10.8	9.19	10.7	12.9														
55	8.63	7.25	6.45	7.20	8.48														
60	5.70	4.96	4.56	4.95	5.63														
65	3.79	3.42	3.18	3.42	3.77														
70	2.48	2.31	2.18	2.32	2.47														
75	1.57	1.51	1.44	1.49	1.54														
80	0.93	0.90	0.85	0.85	0.87														
85	0.49	0.46	0.43	0.39	0.36														
90	0.23	0.22	0.22	0.23	0.22														
95	0.24	0.25	0.23	0.26	0.25														
100	0.28	0.30	0.28	0.30	0.29														
105	0.32	0.34	0.32	0.34	0.34														
110	0.36	0.40	0.38	0.40	0.38														
115	0.47	0.53	0.55	0.53	0.50														
120	0.81	0.87	0.91	0.89	0.86														
125	1.62	1.61	1.68	1.65	1.71														
130	3.12	3.07	3.15	3.15	3.27														
135	5.63	5.52	5.63	5.63	5.81														
140	8.81	8.73	8.81	8.82	8.98														
145	12.1	12.0	12.1	12.0	12.2														
150	14.6	14.5	14.5	14.5	14.6														
155	16.2	16.1	16.0	16.0	16.0														
160	16.7	16.5	16.3	16.2	16.2														
165	15.7	15.4	15.1	15.0	15.0														
170	13.2	13.0	12.8	12.8	12.8														
175	11.1	11.1	11.2	10.9	11.0														
180	10.6	10.6	10.8	10.7	10.7														

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: