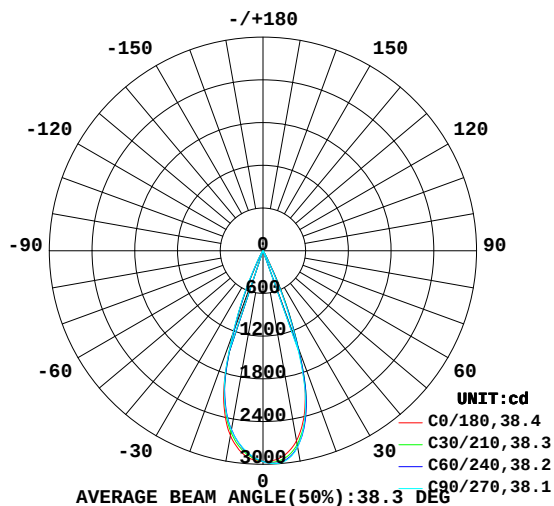


LUMINAIRE PHOTOMETRIC TEST REPORT

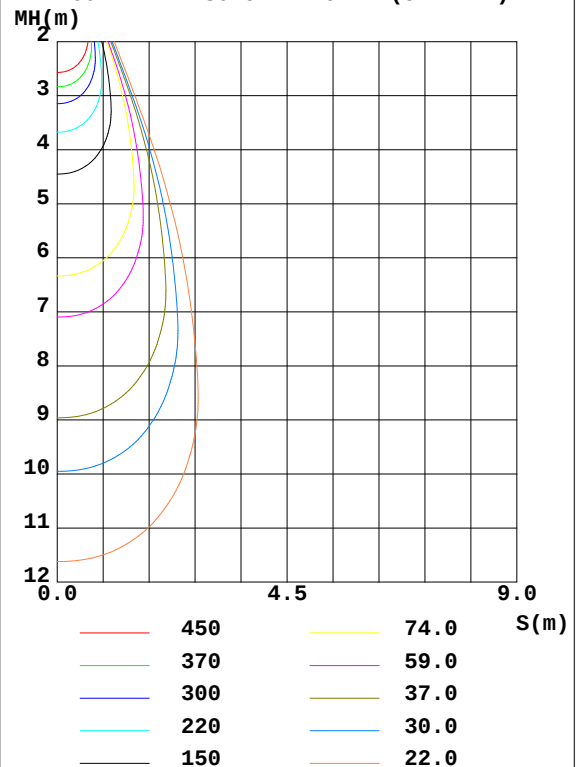
NAME: VM060-VF62RA02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.33 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	2997	S/MH(C0/180)	0.56
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1147.9	η UP, DN(C0-180)	1.2, 50.4
NOMINAL FLUX(lm)	1147.91	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 47.2
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.5	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: 2021-08-06

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:

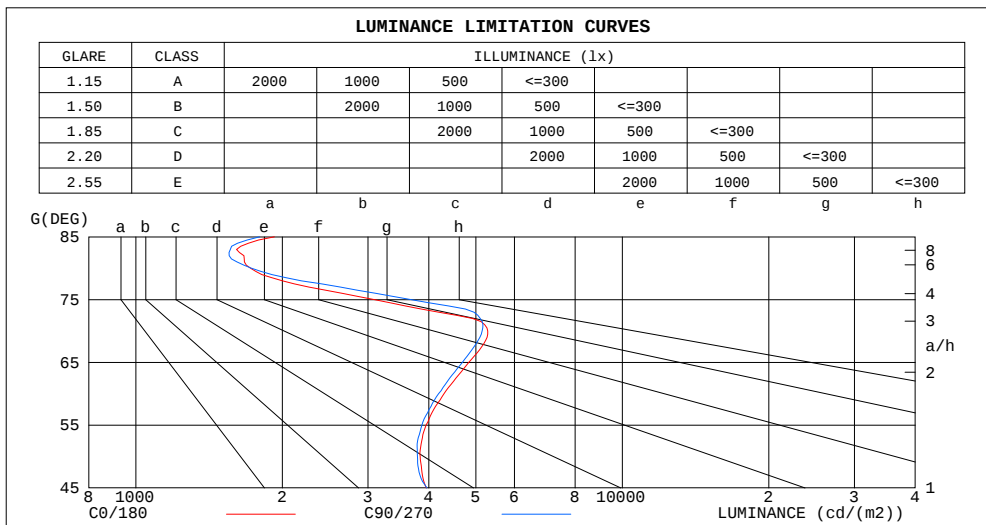
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2709	2793	2798	2750	2635	2558	2556	2619	0- 10	270.0	270.0	23.5, 23.5
20	1425	1496	1387	1339	1212	1152	1236	1291	10- 20	584.1	854.1	74.4, 74.4
30	104.2	83.94	65.67	67.45	70.56	77.71	100.6	110.0	20- 30	230.1	1084	94.4, 94.4
40	8.313	9.736	8.395	8.225	7.221	8.312	10.30	10.88	30- 40	20.19	1104	96.2, 96.2
50	4.829	4.763	4.783	4.888	4.944	5.198	5.247	5.054	40- 50	4.565	1109	96.6, 96.6
60	4.205	4.013	4.112	4.196	4.412	4.720	4.854	4.489	50- 60	4.148	1113	97, 97
70	3.538	3.227	3.457	3.329	3.580	3.938	4.283	3.688	60- 70	4.066	1117	97.3, 97.3
80	0.5844	0.6258	0.5890	0.5284	0.3913	0.5971	0.7403	0.6523	70- 80	2.126	1119	97.5, 97.5
90	0.2687	0.2670	0.2643	0.2657	0.2422	0.2362	0.2387	0.2481	80- 90	0.3661	1120	97.5, 97.5
100	0.2824	0.2894	0.2769	0.2890	0.2862	0.2559	0.2806	0.2568	90-100	0.2887	1120	97.6, 97.6
110	0.3213	0.3156	0.3114	0.3256	0.3964	0.3124	0.3183	0.3012	100-110	0.3118	1120	97.6, 97.6
120	0.8924	0.7933	0.8976	0.9292	1.226	0.9915	0.8920	0.8666	110-120	0.5073	1121	97.6, 97.6
130	3.529	3.532	3.687	3.932	4.037	4.233	3.855	3.955	120-130	1.900	1123	97.8, 97.8
140	9.178	8.312	8.613	8.765	9.888	9.194	8.936	8.770	130-140	4.827	1127	98.2, 98.2
150	13.85	13.77	14.10	14.26	14.59	14.62	14.45	14.19	140-150	7.262	1135	98.9, 98.9
160	16.50	16.85	18.78	16.92	16.74	16.76	16.73	16.54	150-160	7.348	1142	99.5, 99.5
170	14.12	14.15	14.45	14.37	14.28	14.17	14.16	14.02	160-170	4.514	1147	99.9, 99.9
180	13.55	13.71	13.39	13.70	13.56	13.70	13.40	13.70	170-180	1.306	1148	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: 2021-08-06

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-VF62RA02-15W	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	1925	1797
80	1721	1728
75	3087	3673
70	5288	5149
65	4835	4691
60	4300	4190
55	3951	3873
50	3841	3790
45	3954	3966

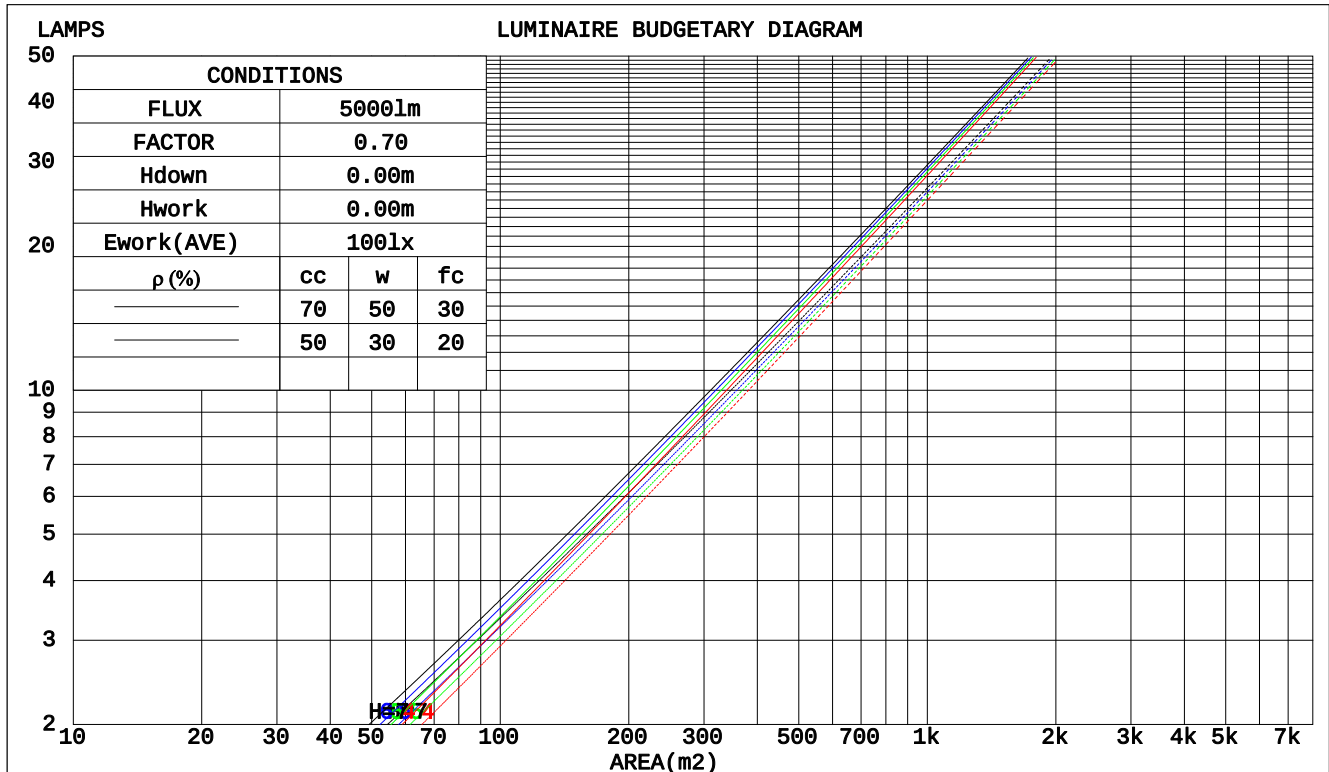
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-VF62RA02-15W	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	1.04	1.02	1.01	.00	.99	.97	.96	.96	.94
2.0	1.06	1.03	1.00	1.04	1.01	.99	1.01	.98	.96	.97	.95	.94	.94	.93	.92	.90
3.0	1.01	.97	.94	.99	.96	.93	.97	.94	.91	.94	.92	.90	.91	.90	.88	.86
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.86	.85	.83
5.0	.92	.88	.85	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.83	.81	.80
6.0	.89	.84	.81	.88	.84	.81	.86	.83	.80	.85	.82	.79	.83	.81	.79	.77
7.0	.85	.81	.78	.85	.80	.77	.83	.80	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.78	.75	.82	.77	.75	.81	.77	.74	.79	.76	.74	.78	.75	.73	.72
9.0	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.76	.73	.71	.70
10.0	.77	.72	.70	.76	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.69	.68



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-VF62RA02-15W	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 Coeffcients(WEC)										
0.0																	
1.0	.148	.084	.027	.140	.080	.025	.126	.072	.023	.114	.066	.021	.102	.059	.019		
2.0	.137	.075	.023	.131	.072	.022	.119	.066	.021	.109	.061	.019	.099	.056	.018		
3.0	.128	.068	.020	.123	.066	.020	.113	.061	.019	.104	.057	.017	.095	.053	.016		
4.0	.120	.063	.018	.116	.061	.018	.107	.057	.017	.100	.053	.016	.092	.050	.015		
5.0	.114	.058	.017	.110	.056	.016	.102	.053	.016	.096	.050	.015	.089	.048	.014		
6.0	.108	.054	.015	.104	.053	.015	.098	.050	.015	.092	.048	.014	.086	.045	.013		
7.0	.102	.051	.014	.099	.050	.014	.094	.047	.014	.089	.045	.013	.084	.043	.013		
8.0	.098	.048	.013	.095	.047	.013	.090	.045	.013	.085	.043	.012	.081	.042	.012		
9.0	.094	.045	.013	.091	.045	.012	.087	.043	.012	.083	.041	.012	.079	.040	.012		
10.0	.090	.043	.012	.088	.042	.012	.084	.041	.012	.080	.040	.011	.076	.038	.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	.152	.136	.146	.131	.117	.100	.090	.082	.058	.053	.048	.019	.017	.016		
3.0	.156	.132	.114	.134	.114	.098	.092	.079	.069	.053	.046	.041	.017	.015	.013		
4.0	.144	.117	.097	.124	.101	.084	.085	.071	.059	.049	.041	.035	.016	.013	.012		
5.0	.134	.105	.084	.115	.091	.073	.079	.064	.052	.046	.037	.031	.015	.012	.010		
6.0	.126	.095	.074	.108	.083	.064	.075	.058	.045	.043	.034	.027	.014	.011	.009		
7.0	.118	.087	.066	.102	.076	.057	.070	.053	.041	.041	.031	.024	.013	.010	.008		
8.0	.112	.081	.059	.097	.070	.052	.067	.049	.037	.039	.029	.022	.013	.010	.007		
9.0	.107	.075	.054	.092	.065	.047	.064	.046	.034	.037	.027	.020	.012	.009	.007		
10.0	.102	.071	.050	.088	.061	.044	.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:2021-08-06

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-VF62RA02-15W						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	6.8	7.5	7.0	7.7	7.8	5.9	6.5	6.1	6.7	6.9	
3H	8.2	8.8	8.4	9.0	9.3	7.6	8.2	7.9	8.5	8.7	
4H	8.5	9.1	8.8	9.4	9.6	8.2	8.8	8.5	9.1	9.3	
6H	8.6	9.1	8.9	9.4	9.7	8.3	8.9	8.6	9.1	9.4	
8H	8.6	9.1	8.9	9.4	9.7	8.3	8.8	8.6	9.1	9.4	
12H	8.5	9.1	8.9	9.4	9.7	8.3	8.8	8.6	9.1	9.4	
4H 2H	7.1	7.7	7.4	8.0	8.2	6.4	7.0	6.7	7.2	7.5	
3H	8.8	9.3	9.1	9.6	9.9	8.4	8.9	8.7	9.2	9.5	
4H	9.2	9.7	9.6	10.0	10.4	9.0	9.5	9.4	9.9	10.2	
6H	9.2	9.7	9.7	10.1	10.4	9.1	9.6	9.6	9.9	10.3	
8H	9.2	9.6	9.7	10.0	10.5	9.1	9.5	9.6	9.9	10.3	
12H	9.2	9.6	9.7	10.0	10.5	9.1	9.5	9.6	9.9	10.3	
8H 4H	9.3	9.7	9.7	10.1	10.5	9.2	9.6	9.6	9.9	10.4	
6H	9.4	9.7	9.9	10.2	10.6	9.3	9.6	9.8	10.1	10.5	
8H	9.4	9.7	9.9	10.2	10.6	9.3	9.6	9.8	10.1	10.5	
12H	9.4	9.7	9.9	10.2	10.7	9.3	9.6	9.8	10.1	10.6	
12H 4H	9.3	9.6	9.7	10.0	10.5	9.1	9.5	9.6	9.9	10.3	
6H	9.3	9.6	9.8	10.1	10.6	9.3	9.5	9.7	10.0	10.5	
8H	9.4	9.6	9.9	10.1	10.6	9.3	9.5	9.8	10.0	10.5	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 0.6					+ 0.5 / - 0.5					
1.5H	+ 1.6 / - 0.5					+ 1.0 / - 0.4					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.5					

CIE Pub.117, 1148 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.5$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

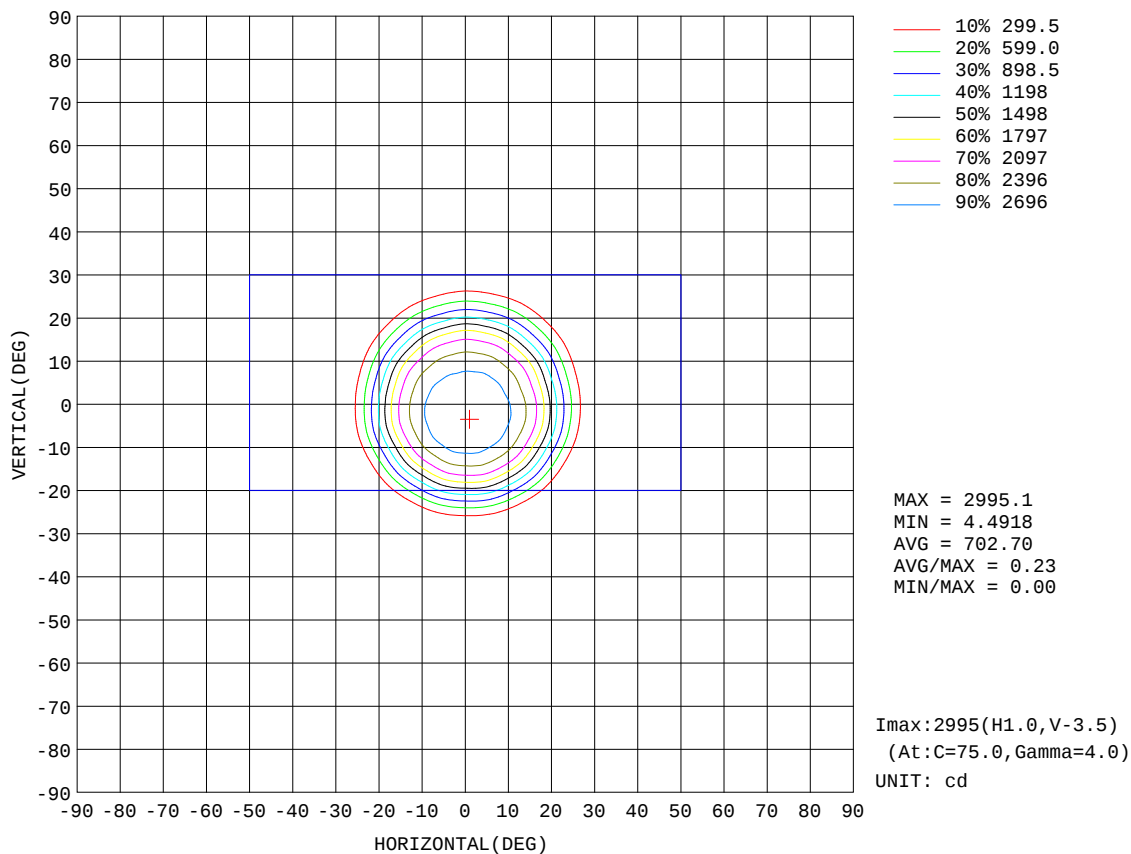
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	80	76
0.80	96	91	87	96	90	87	94	90	87	83
1.00	100	95	92	99	94	91	97	94	90	87
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:2021-08-06

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-VF62RA02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

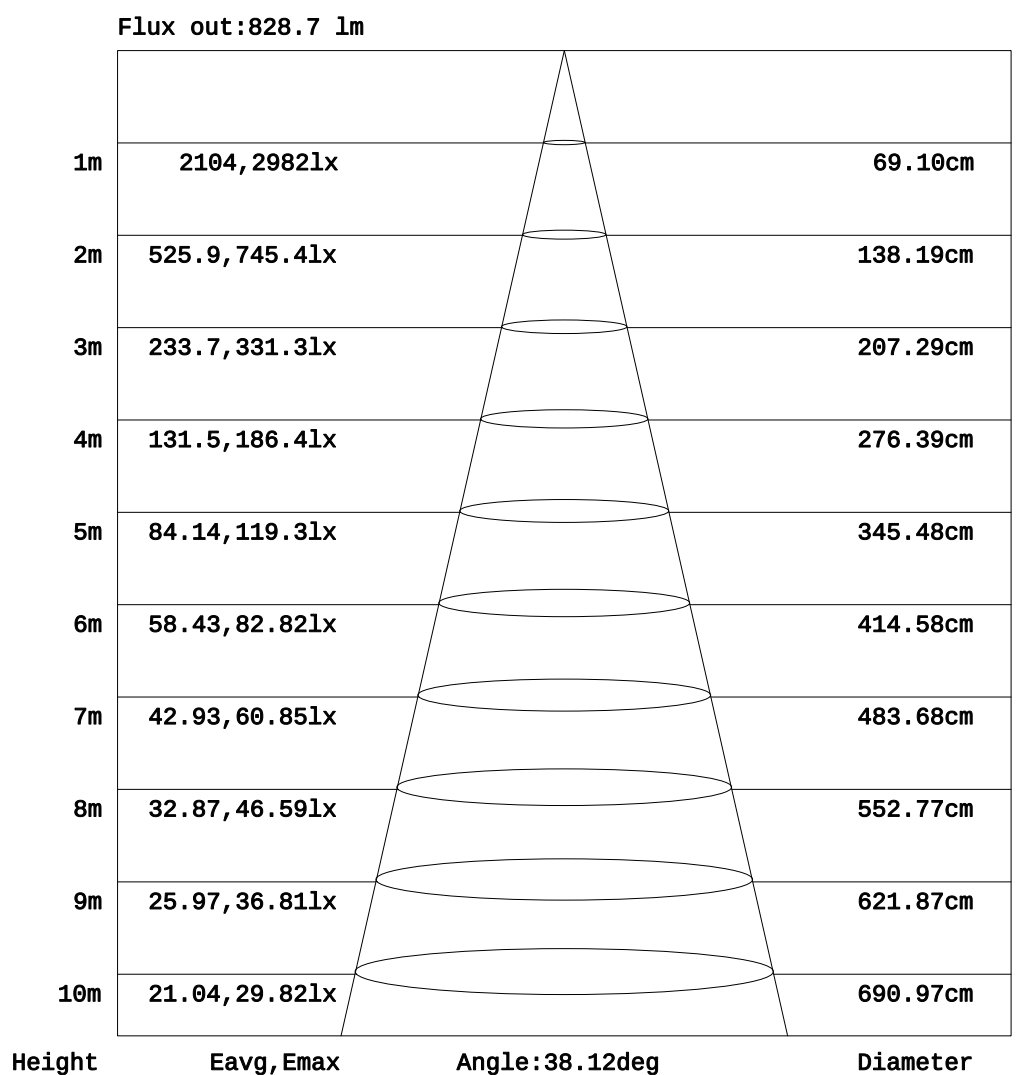


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



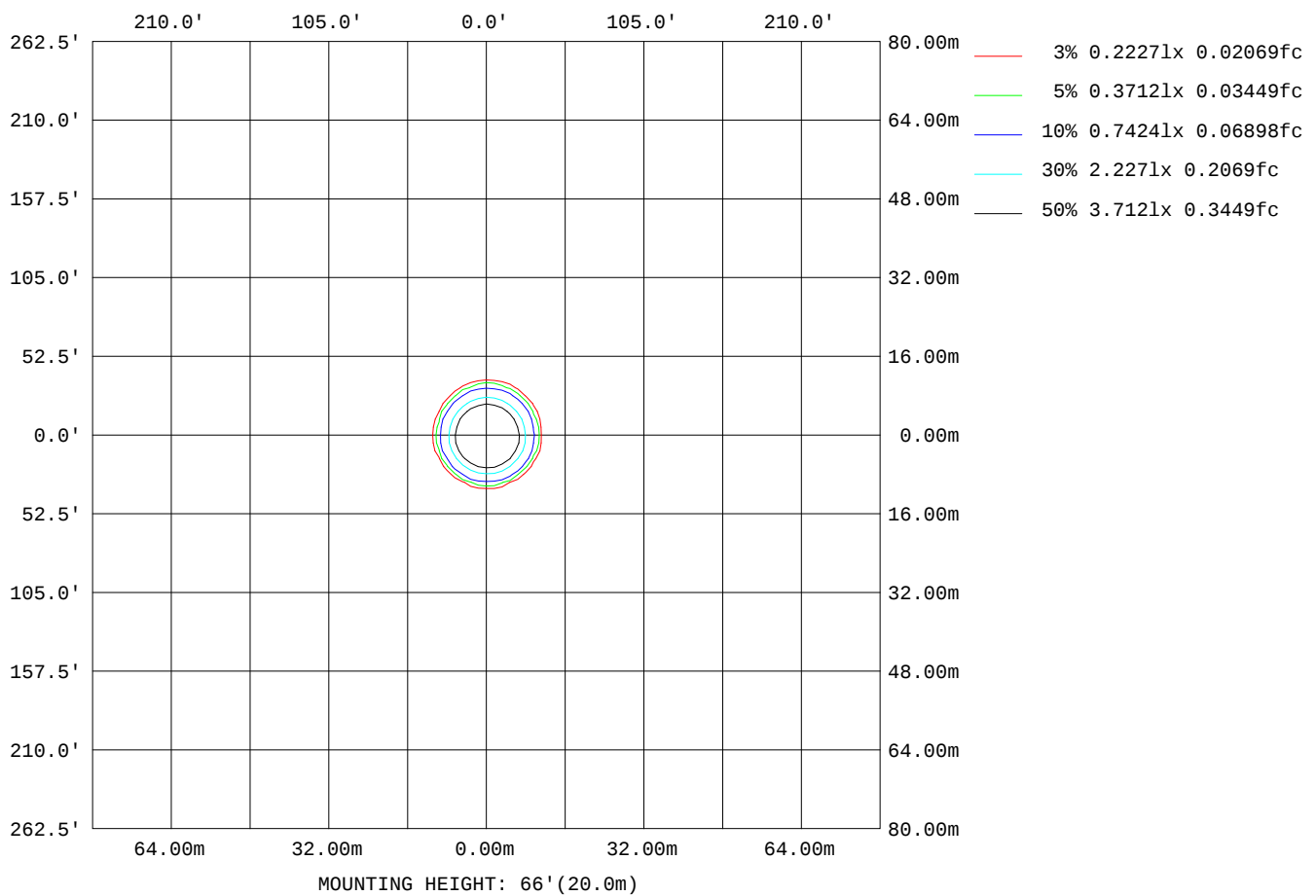
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-VF62RA02-15W	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: 2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

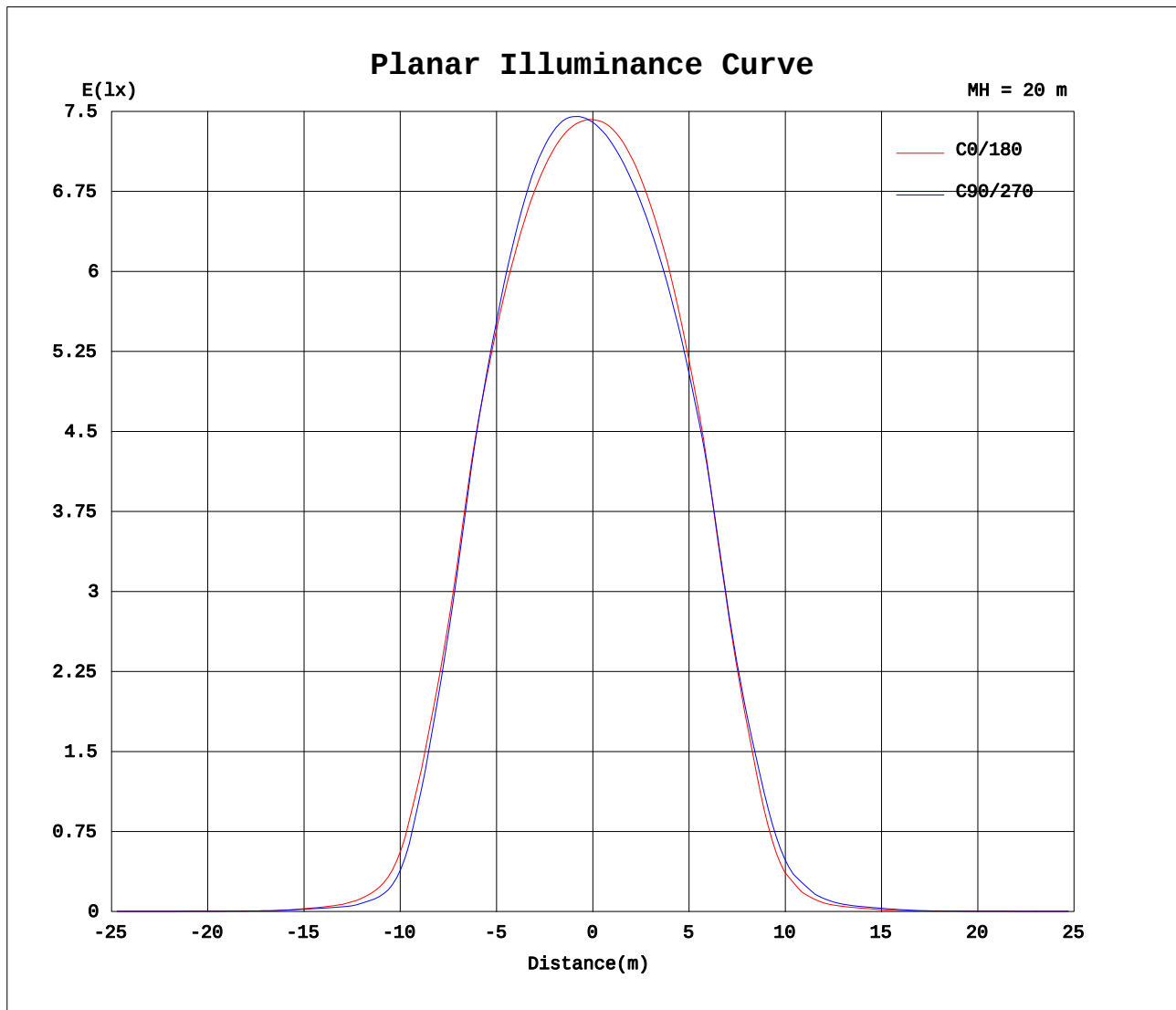
AvgL	cd/m2
L_0~180(65)av	4944
L_0~180(75)av	2661
L_0~180(85)av	1635
L_90~270(65)av	5186
L_90~270(75)av	4627
L_90~270(85)av	1706
L_45(65)av	4919
L_45(75)av	3984
L_45(85)av	1774

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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: 2021-08-06

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-VF62RA02-15W	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	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960
5	2913	2937	2950	2970	2976	2989	2987	2986	2969	2956	2933	2916	2886	2862	2850	2832	2825	2813	2816
10	2709	2748	2762	2793	2795	2815	2798	2803	2767	2750	2703	2683	2635	2604	2589	2558	2551	2538	2556
15	2277	2327	2324	2355	2338	2350	2308	2304	2250	2247	2202	2202	2138	2093	2094	2061	2079	2070	2102
20	1425	1486	1458	1496	1445	1462	1387	1396	1326	1339	1277	1287	1212	1163	1187	1152	1189	1175	1236
25	539	549	525	518	483	466	429	425	400	400	369	391	356	343	370	364	397	398	442
30	104	101	89.2	83.9	73.6	72.1	65.7	65.2	64.7	67.5	66.7	71.8	70.6	72.2	77.4	77.7	86.2	89.7	101
35	32.2	31.2	29.0	28.4	26.8	26.2	24.4	24.2	23.4	24.2	23.7	24.2	23.7	25.0	27.6	28.5	30.9	32.1	34.1
40	8.31	9.28	9.71	9.74	8.97	8.94	8.39	8.39	8.05	8.22	7.88	7.40	7.22	7.64	8.24	8.31	9.06	9.26	10.3
45	5.47	5.49	5.51	5.55	5.51	5.55	5.51	5.54	5.51	5.54	5.51	5.53	5.53	5.55	5.58	5.62	5.64	5.64	5.65
50	4.83	4.80	4.77	4.76	4.75	4.78	4.78	4.83	4.85	4.89	4.89	4.91	4.94	5.04	5.12	5.20	5.24	5.28	5.25
55	4.43	4.37	4.35	4.32	4.31	4.34	4.36	4.39	4.42	4.47	4.52	4.56	4.62	4.73	4.82	4.92	4.98	5.03	5.00
60	4.21	4.13	4.07	4.01	4.02	4.08	4.11	4.14	4.15	4.20	4.28	4.34	4.41	4.54	4.60	4.72	4.83	4.90	4.85
65	4.00	3.89	3.79	3.72	3.75	3.86	3.89	3.91	3.86	3.90	4.00	4.13	4.20	4.25	4.32	4.47	4.67	4.76	4.71
70	3.54	3.41	3.22	3.23	3.30	3.46	3.46	3.50	3.36	3.33	3.30	3.53	3.58	3.49	3.72	3.94	4.24	4.28	4.28
75	1.56	1.62	1.69	1.89	1.90	1.97	1.87	1.92	1.78	1.69	1.39	1.21	1.14	1.41	1.98	2.26	2.63	2.63	2.83
80	0.58	0.59	0.60	0.63	0.61	0.62	0.59	0.59	0.56	0.53	0.48	0.43	0.39	0.44	0.53	0.60	0.68	0.68	0.74
85	0.33	0.33	0.34	0.32	0.33	0.30	0.31	0.29	0.31	0.29	0.31	0.27	0.23	0.27	0.26	0.29	0.27	0.29	0.28
90	0.27	0.29	0.28	0.27	0.27	0.27	0.26	0.27	0.27	0.27	0.27	0.26	0.24	0.23	0.24	0.24	0.24	0.24	0.24
95	0.27	0.28	0.28	0.28	0.27	0.29	0.28	0.28	0.27	0.28	0.27	0.28	0.26	0.24	0.26	0.24	0.26	0.24	0.26
100	0.28	0.29	0.27	0.29	0.28	0.29	0.28	0.29	0.27	0.29	0.28	0.29	0.29	0.27	0.27	0.26	0.27	0.26	0.28
105	0.29	0.29	0.28	0.30	0.29	0.31	0.29	0.31	0.28	0.30	0.28	0.30	0.32	0.31	0.30	0.28	0.29	0.28	0.29
110	0.32	0.32	0.30	0.32	0.30	0.33	0.31	0.33	0.31	0.33	0.32	0.34	0.40	0.38	0.36	0.31	0.31	0.30	0.32
115	0.45	0.42	0.40	0.40	0.41	0.44	0.44	0.45	0.46	0.44	0.48	0.49	0.60	0.60	0.55	0.44	0.44	0.43	0.42
120	0.89	0.80	0.80	0.79	0.84	0.85	0.90	0.89	0.93	0.93	0.96	0.97	1.23	1.24	1.05	0.99	0.96	0.96	0.89
125	1.82	1.78	1.83	1.81	1.92	1.88	1.97	1.97	2.10	2.07	2.11	2.08	2.22	2.24	2.19	2.23	2.14	2.15	2.05
130	3.53	3.49	3.61	3.53	3.58	3.56	3.69	3.68	3.83	3.93	4.14	3.94	4.04	4.12	4.09	4.23	4.05	4.01	3.85
135	6.01	5.98	5.99	5.81	5.86	5.79	5.94	5.94	6.14	6.40	6.59	6.67	6.79	6.79	6.67	6.64	6.44	6.42	6.22
140	9.18	8.88	8.53	8.31	8.49	8.46	8.61	8.66	8.80	8.77	9.04	9.69	9.89	9.62	9.39	9.19	9.08	9.13	8.94
145	12.0	11.5	11.2	11.1	11.3	11.3	11.6	11.6	11.6	11.6	11.8	12.1	12.4	12.2	12.0	12.0	11.9	12.0	11.8
150	13.9	13.8	13.8	13.8	13.9	14.0	14.1	14.1	14.3	14.3	14.4	14.4	14.6	14.7	14.6	14.6	14.6	14.6	14.4
155	15.8	15.6	15.7	15.7	15.8	15.9	16.0	16.2	16.2	16.2	16.2	16.2	16.4	16.7	16.3	16.4	16.4	16.4	16.3
160	16.5	16.2	16.8	16.9	16.6	17.5	18.8	18.1	16.8	16.9	17.1	16.6	16.7	16.8	16.6	16.8	16.8	16.8	16.7
165	15.5	15.5	15.5	15.7	15.9	16.5	17.6	16.8	16.0	15.9	15.8	15.8	15.7	15.8	15.7	15.7	15.8	15.9	15.9
170	14.1	14.1	14.1	14.1	14.2	14.4	14.5	14.5	14.3	14.4	14.4	14.4	14.3	14.3	14.3	14.2	14.1	14.1	14.2
175	13.3	13.3	13.3	13.5	13.5	13.4	13.3	13.4	13.5	13.7	13.7	13.6	13.5	13.6	13.7	13.7	13.4	13.3	13.2
180	13.6	13.5	13.5	13.7	13.5	13.4	13.4	13.3	13.4	13.7	13.6	13.5	13.6	13.5	13.7	13.5	13.4	13.4	13.4

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345													
γ (DEC)																		
0	2960	2960	2960	2960	2960													
5	2822	2838	2853	2875	2889													
10	2563	2601	2619	2650	2667													
15	2104	2146	2154	2204	2217													
20	1235	1295	1291	1361	1349													
25	452	485	491	512	502													
30	102	111	110	119	104													
35	34.0	35.6	35.4	35.7	32.0													
40	10.3	11.1	10.9	11.2	9.03													
45	5.62	5.62	5.56	5.56	5.46													
50	5.22	5.13	5.05	4.96	4.87													
55	4.95	4.83	4.73	4.61	4.51													
60	4.80	4.63	4.49	4.37	4.29													
65	4.64	4.41	4.22	4.09	4.04													
70	4.19	3.98	3.69	3.51	3.42													
75	2.69	2.69	2.25	1.93	1.56													
80	0.71	0.73	0.65	0.60	0.55													
85	0.31	0.30	0.32	0.31	0.31													
90	0.24	0.24	0.25	0.25	0.25													
95	0.24	0.26	0.24	0.27	0.25													
100	0.25	0.28	0.26	0.28	0.27													
105	0.27	0.29	0.28	0.29	0.28													
110	0.29	0.31	0.30	0.33	0.33													
115	0.40	0.42	0.38	0.47	0.49													
120	0.92	0.88	0.87	0.87	1.00													
125	2.07	1.98	2.02	1.93	1.96													
130	3.89	3.85	3.96	3.72	3.70													
135	6.23	6.17	6.30	6.21	6.28													
140	8.95	8.77	8.77	8.88	9.11													
145	11.8	11.6	11.6	11.4	11.7													
150	14.4	14.2	14.2	14.0	14.1													
155	16.3	16.2	16.2	15.9	16.1													
160	16.7	16.6	16.5	16.3	16.5													
165	15.8	15.8	15.6	15.6	15.6													
170	14.1	14.1	14.0	14.0	14.1													
175	13.3	13.5	13.5	13.3	13.3													
180	13.3	13.5	13.7	13.6	13.5													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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: