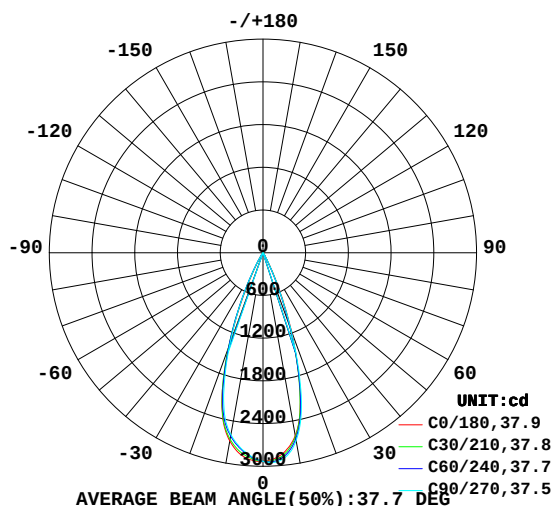


LUMINAIRE PHOTOMETRIC TEST REPORT

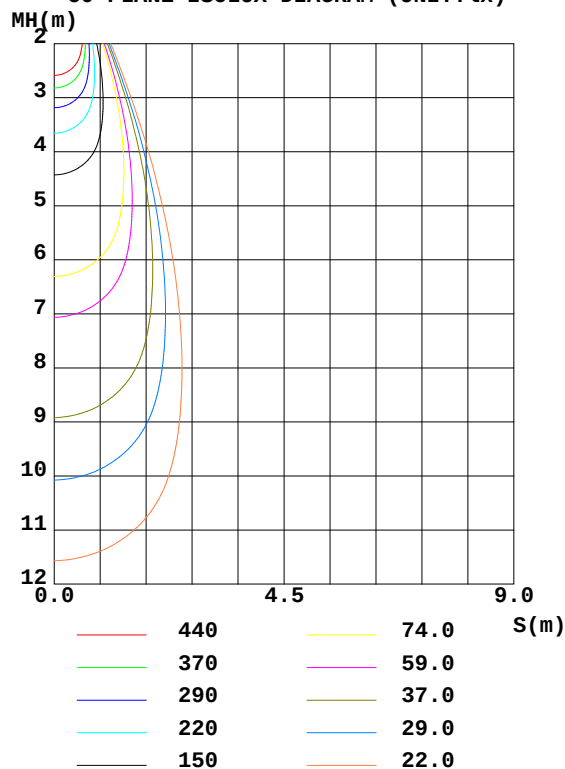
NAME: VM060-VF61SA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 85.57 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	2953	S/MH(C0/180)	0.59	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.60	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1151.4	η UP, DN(C0-180)	1.3, 47.1	
NOMINAL FLUX(lm)	1151.41	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 50.2	
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η down(%)	97.4	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:

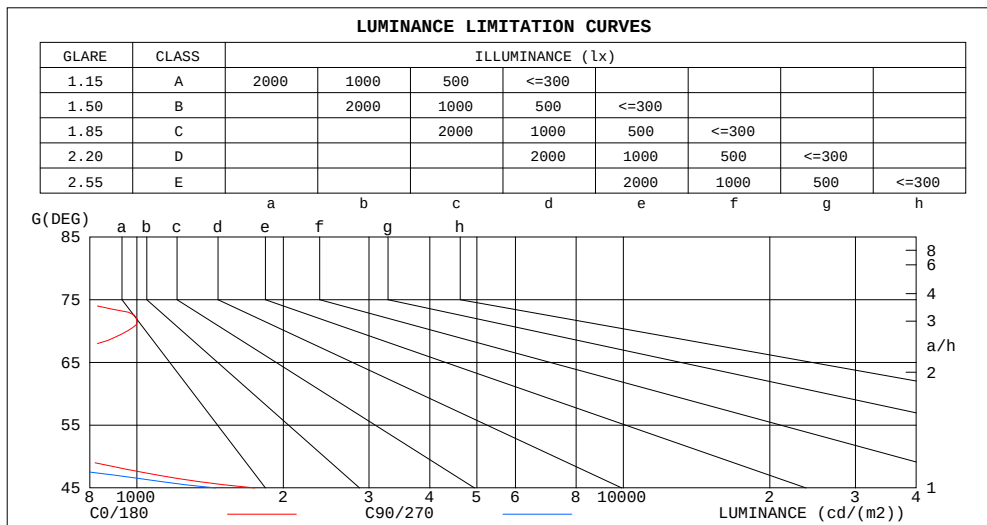
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2609	2653	2681	2725	2686	2628	2596	2591	0- 10	267.1	267.1	23.2, 23.2
20	1163	1134	1143	1315	1403	1393	1365	1235	10- 20	561.8	828.9	72, 72
30	93.91	87.67	93.33	127.6	154.5	165.2	180.8	130.8	20- 30	252.3	1081	93.9, 93.9
40	14.54	16.06	11.86	21.54	17.11	27.07	21.28	23.39	30- 40	31.62	1113	96.6, 96.6
50	1.675	2.725	1.020	3.433	2.094	3.969	1.385	3.622	40- 50	5.993	1119	97.2, 97.2
60	1.057	0.3812	0.2551	0.4075	1.032	0.6311	0.5141	0.5877	50- 60	0.9820	1120	97.3, 97.3
70	1.171	0.2800	0.1942	0.2836	0.9321	0.2161	0.1848	0.2018	60- 70	0.7192	1120	97.3, 97.3
80	0.4468	0.2686	0.2253	0.2696	0.4871	0.1914	0.1941	0.1950	70- 80	0.3767	1121	97.3, 97.3
90	0.2549	0.2845	0.2497	0.3084	0.2683	0.2015	0.2254	0.2127	80- 90	0.2646	1121	97.4, 97.4
100	0.7533	0.4453	0.2762	0.4378	0.5895	0.2491	0.2763	0.2747	90-100	0.3718	1122	97.4, 97.4
110	1.153	0.4539	0.4041	0.4678	1.207	0.3305	0.3582	0.3811	100-110	0.5603	1122	97.5, 97.5
120	1.380	1.161	1.158	1.027	1.155	0.8718	0.9782	1.071	110-120	0.8265	1123	97.5, 97.5
130	4.156	4.387	4.156	3.989	3.635	4.007	3.613	4.240	120-130	2.071	1125	97.7, 97.7
140	10.97	9.280	9.164	8.747	10.24	8.416	8.483	8.961	130-140	5.490	1130	98.2, 98.2
150	14.40	14.42	14.46	14.09	13.95	13.79	13.94	14.23	140-150	7.752	1138	98.9, 98.9
160	16.45	16.48	16.63	16.78	16.81	16.96	17.29	16.76	150-160	7.334	1146	99.5, 99.5
170	14.02	13.96	14.48	14.72	14.75	14.81	14.78	14.33	160-170	4.528	1150	99.9, 99.9
180	13.68	13.86	13.68	14.01	13.69	13.86	13.69	14.00	170-180	1.334	1151	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
 γ 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-VF61SA01-15W	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	810	767
80	719	360
75	711	218
70	956	158
65	620	127
60	591	142
55	619	174
50	728	441
45	1745	1451

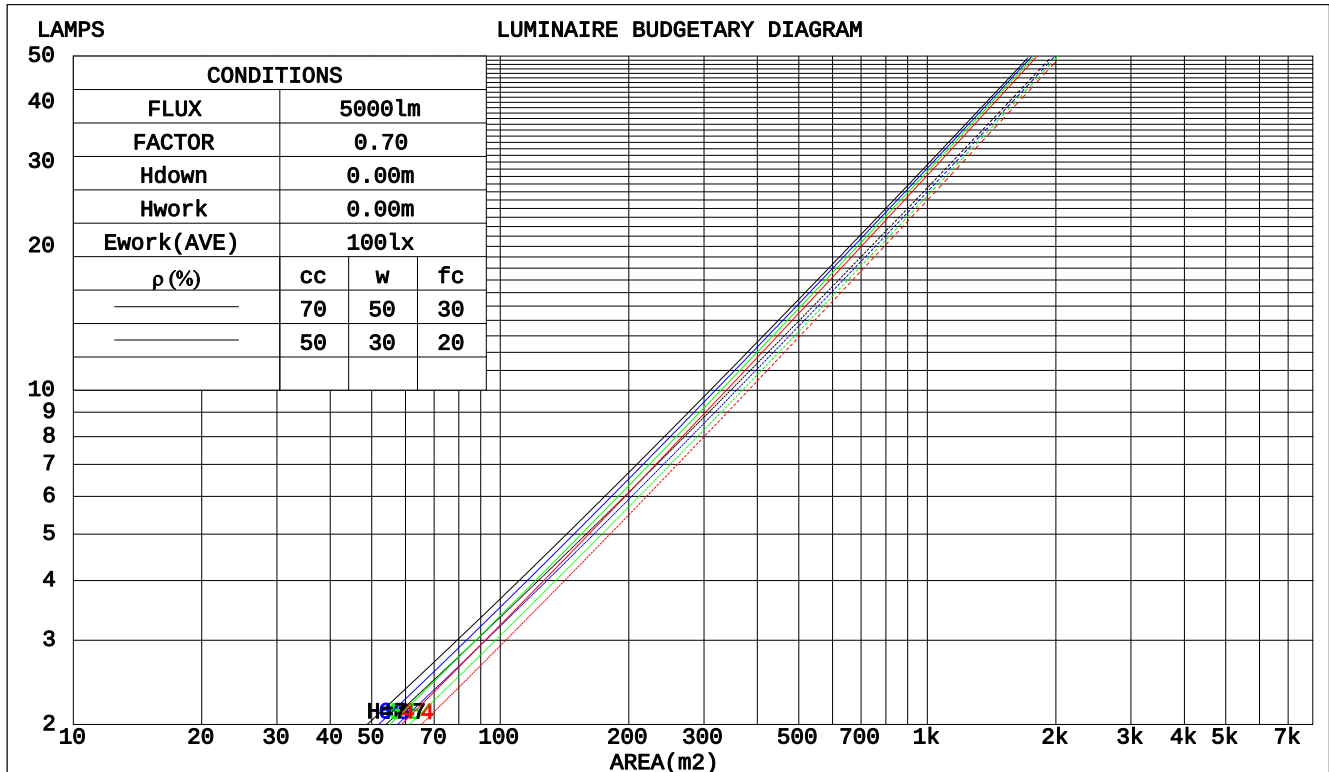
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-VF61SA01-15W	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	1.04	1.04	1.04	.00	.00	.00	.97
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	1.00	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	.94	.91	.94	.91	.89	.91	.89	.88	.86
4.0	.96	.92	.89	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.86	.84	.83
5.0	.92	.88	.84	.91	.87	.84	.89	.86	.83	.87	.84	.82	.86	.83	.81	.80
6.0	.89	.84	.81	.88	.83	.80	.86	.82	.80	.85	.81	.79	.83	.80	.78	.77
7.0	.85	.81	.77	.84	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72
9.0	.79	.75	.72	.79	.74	.71	.77	.74	.71	.77	.73	.71	.76	.73	.70	.69
10.0	.76	.72	.69	.76	.72	.69	.75	.71	.69	.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-VF61SA01-15W	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	.147	.084	.026	.140	.080	.025	.126	.072	.023	.113	.065	.021	.101	.059	.019		
2.0	.137	.075	.023	.131	.072	.022	.119	.066	.021	.108	.061	.019	.098	.056	.018		
3.0	.128	.068	.020	.123	.066	.020	.113	.061	.019	.104	.057	.017	.095	.053	.016		
4.0	.121	.063	.018	.116	.061	.018	.108	.057	.017	.100	.054	.016	.092	.050	.015		
5.0	.114	.058	.017	.110	.057	.016	.103	.053	.016	.096	.051	.015	.089	.048	.014		
6.0	.108	.054	.016	.105	.053	.015	.098	.050	.015	.092	.048	.014	.087	.046	.014		
7.0	.103	.051	.014	.100	.050	.014	.094	.048	.014	.089	.046	.013	.084	.044	.013		
8.0	.099	.048	.014	.096	.047	.013	.091	.045	.013	.086	.044	.013	.082	.042	.012		
9.0	.095	.046	.013	.092	.045	.013	.088	.043	.012	.083	.042	.012	.079	.040	.012		
10.0	.091	.044	.012	.089	.043	.012	.085	.041	.012	.081	.040	.011	.077	.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	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023		
1.0	.189	.178	.167	.162	.153	.144	.111	.105	.100	.064	.061	.058	.020	.020	.019		
2.0	.172	.153	.137	.147	.132	.119	.101	.091	.083	.058	.053	.048	.019	.017	.016		
3.0	.158	.134	.115	.135	.115	.100	.093	.080	.070	.054	.047	.041	.017	.015	.013		
4.0	.146	.119	.098	.125	.103	.085	.086	.071	.060	.050	.042	.035	.016	.014	.012		
5.0	.136	.107	.085	.117	.092	.074	.080	.064	.052	.047	.038	.031	.015	.012	.010		
6.0	.127	.097	.075	.109	.084	.065	.075	.059	.046	.044	.035	.027	.014	.011	.009		
7.0	.120	.089	.067	.103	.077	.058	.071	.054	.041	.041	.032	.025	.013	.010	.008		
8.0	.114	.082	.061	.098	.071	.053	.068	.050	.037	.039	.030	.022	.013	.010	.007		
9.0	.108	.077	.055	.093	.067	.048	.065	.047	.034	.038	.028	.020	.012	.009	.007		
10.0	.104	.072	.051	.089	.063	.045	.062	.044	.032	.036	.026	.019	.012	.009	.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-VF61SA01-15W						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	4.0	4.7	4.3	4.9	5.1	4.0	4.7	4.3	4.9	5.1	
3H	3.9	4.6	4.2	4.8	5.1	3.9	4.5	4.2	4.8	5.0	
4H	3.9	4.5	4.2	4.8	5.1	3.8	4.4	4.1	4.7	4.9	
6H	3.9	4.5	4.2	4.8	5.1	3.7	4.3	4.1	4.6	4.9	
8H	3.9	4.5	4.2	4.8	5.1	3.7	4.3	4.1	4.6	4.9	
12H	3.9	4.4	4.2	4.7	5.1	3.7	4.2	4.1	4.5	4.9	
4H 2H	3.8	4.4	4.1	4.7	4.9	3.8	4.4	4.1	4.7	4.9	
3H	3.7	4.2	4.0	4.5	4.8	3.6	4.2	4.0	4.5	4.8	
4H	3.7	4.2	4.1	4.5	4.9	3.5	4.0	3.9	4.4	4.7	
6H	3.7	4.1	4.1	4.5	4.9	3.5	3.9	3.9	4.3	4.7	
8H	3.7	4.1	4.1	4.5	4.9	3.5	3.9	3.9	4.3	4.7	
12H	3.7	4.1	4.2	4.5	4.9	3.5	3.8	3.9	4.3	4.7	
8H 4H	3.5	3.9	4.0	4.3	4.7	3.4	3.8	3.8	4.2	4.6	
6H	3.6	3.9	4.0	4.3	4.8	3.4	3.7	3.8	4.1	4.6	
8H	3.6	3.9	4.1	4.3	4.8	3.4	3.7	3.8	4.1	4.6	
12H	3.7	3.9	4.2	4.4	4.9	3.4	3.7	3.9	4.2	4.7	
12H 4H	3.5	3.8	3.9	4.3	4.7	3.4	3.7	3.8	4.1	4.6	
6H	3.5	3.8	4.0	4.3	4.8	3.3	3.6	3.8	4.1	4.6	
8H	3.6	3.8	4.1	4.3	4.8	3.3	3.6	3.8	4.1	4.6	
Variations with the observer position at spacings:											
S = 1.0H	+ 3.0 / - 5.2					+ 2.7 / - 6.7					
1.5H	+ 5.4 / - 5.9					+ 5.1 / - 6.6					
2.0H	+ 3.7 / - 2.0					+ 3.6 / - 1.5					

CIE Pub.117, 1151 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:2021-08-12

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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

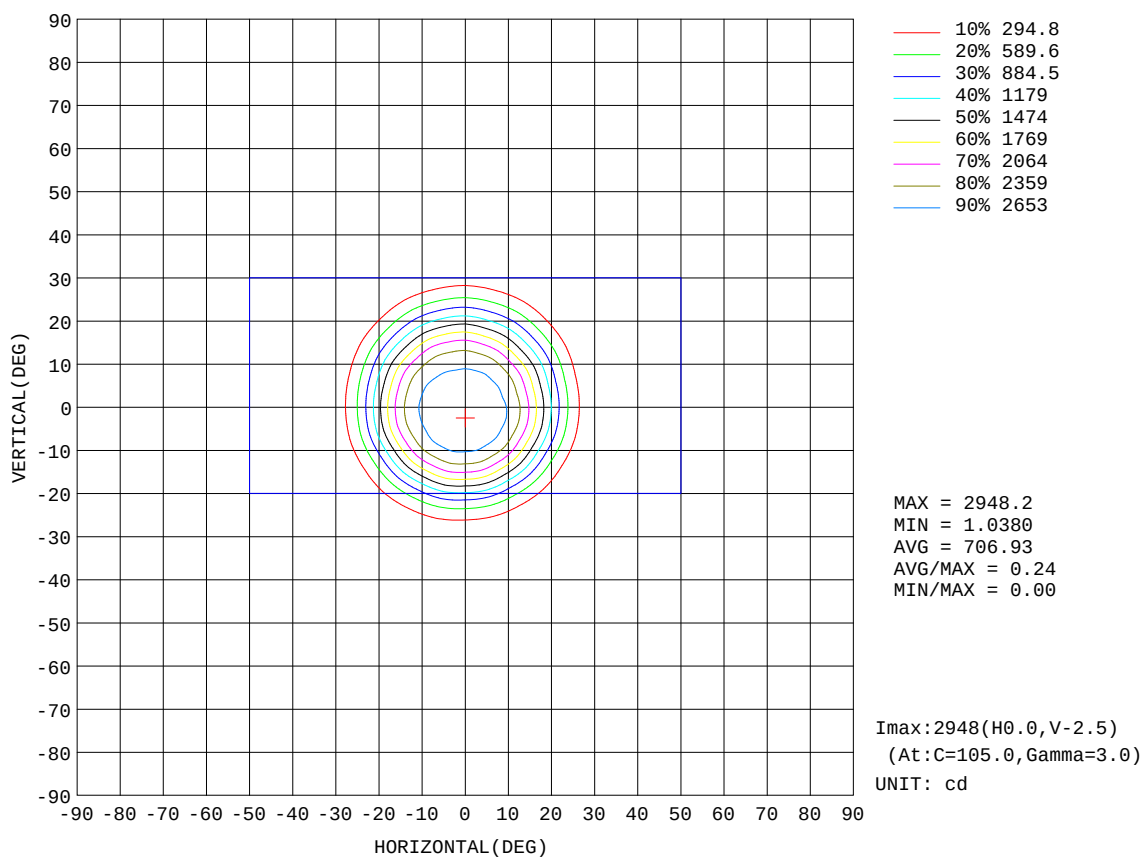
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	90	84	80	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	94	90	87	84
1.00	100	95	92	99	95	92	98	94	91	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	104	101	99	93
2.50	110	107	104	108	105	103	105	103	101	94
3.00	112	108	106	110	107	105	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	97
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-VF61SA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

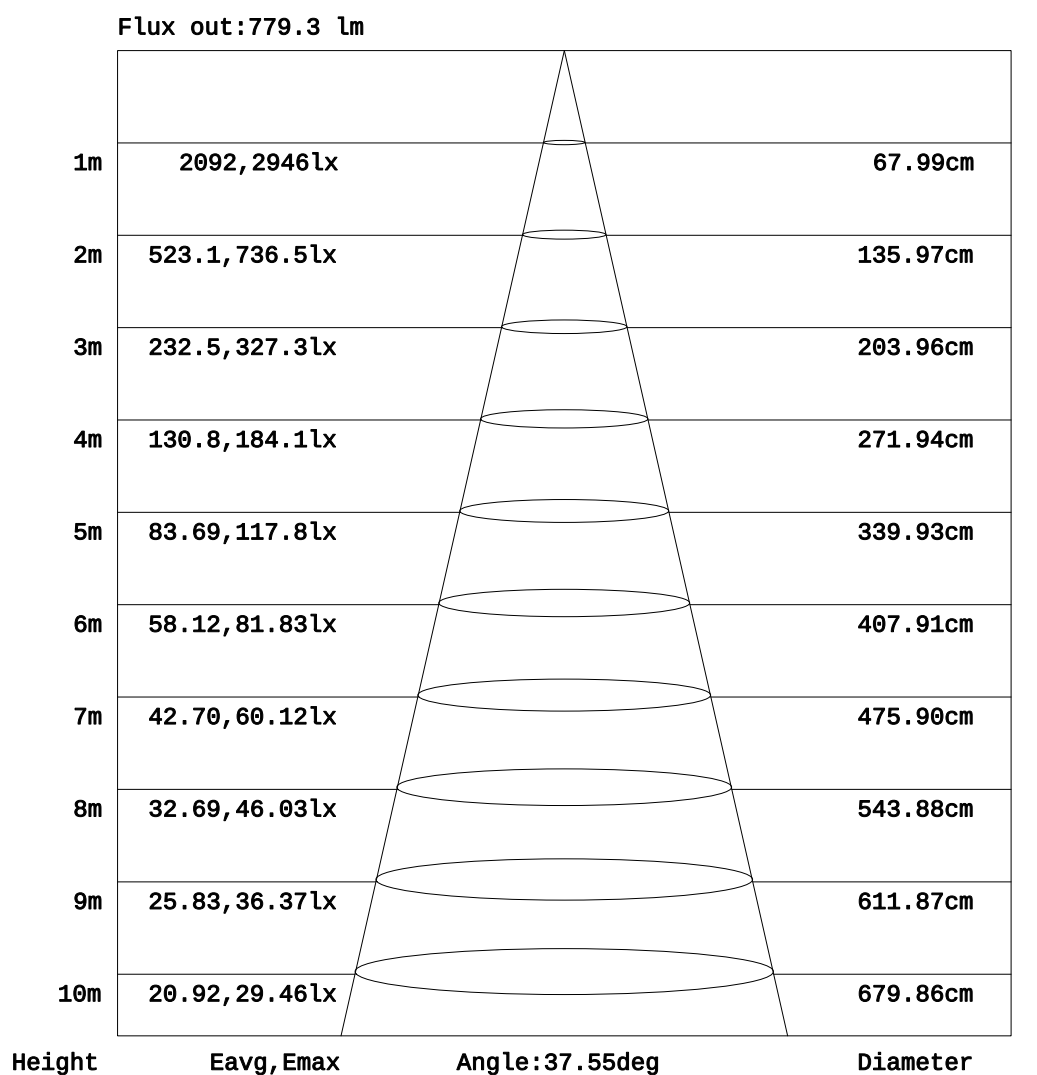


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



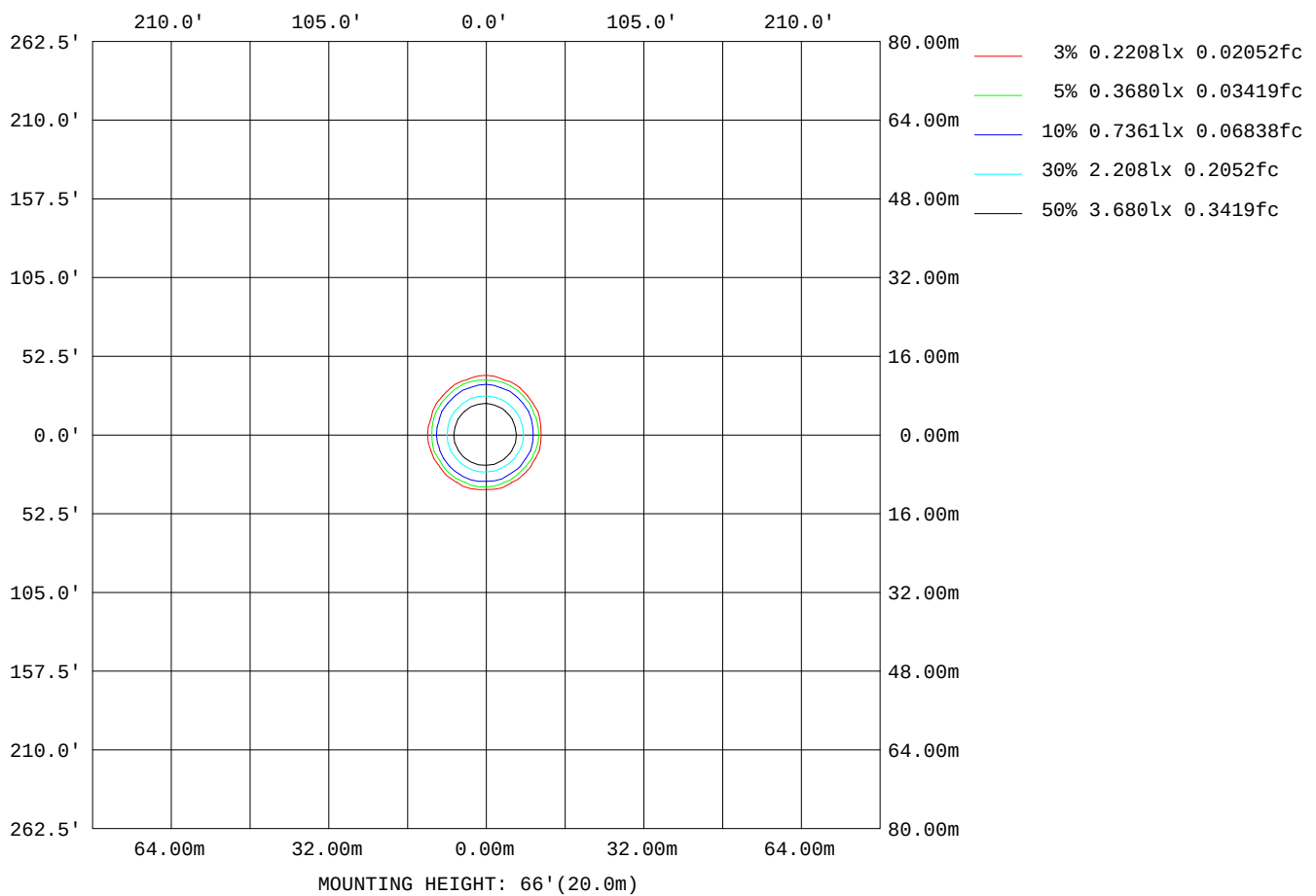
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF61SA01-15W	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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

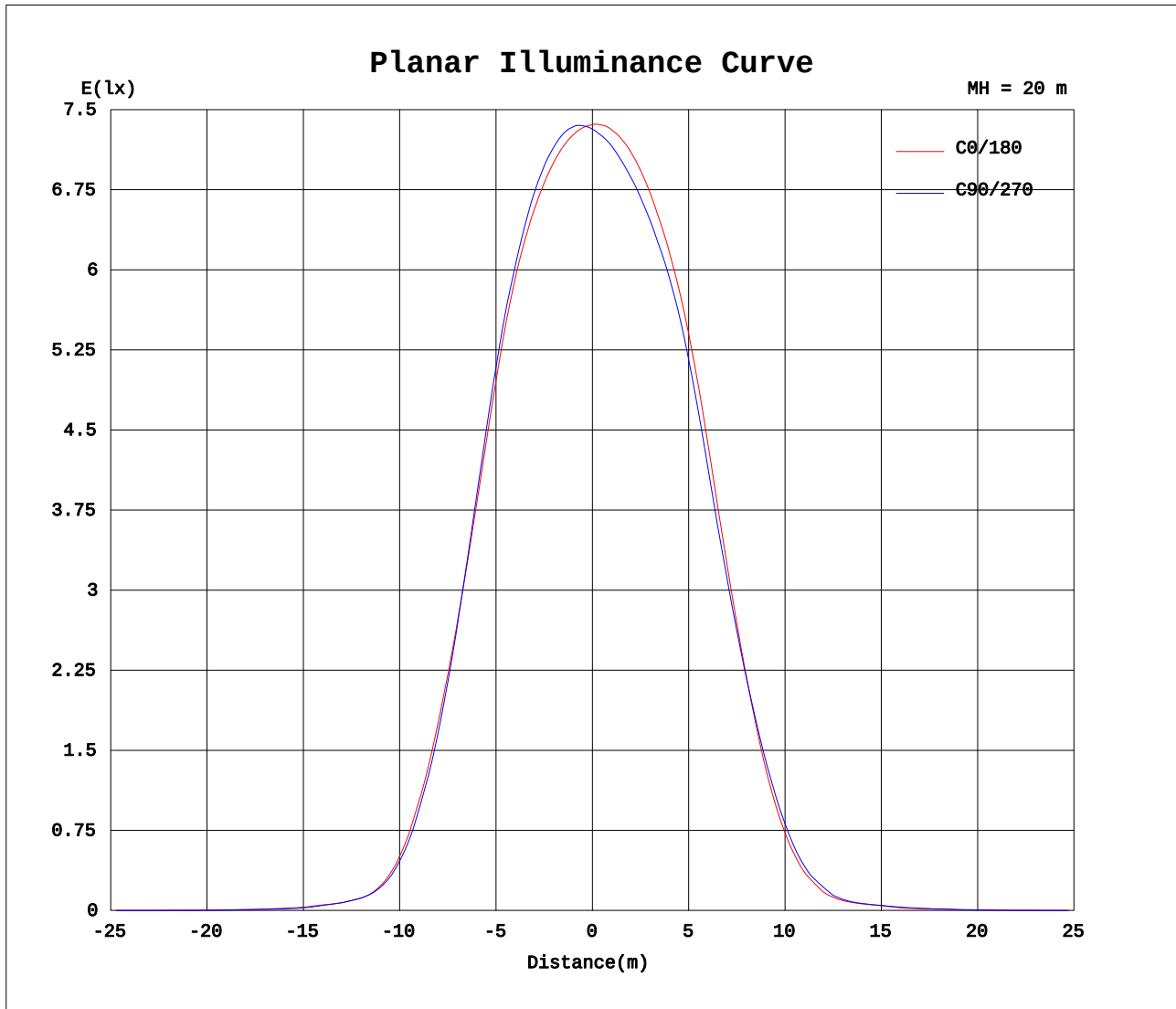
AvgL	cd/m2
L_0~180(65)av	560
L_0~180(75)av	758
L_0~180(85)av	777
L_90~270(65)av	133
L_90~270(75)av	209
L_90~270(85)av	715
L_45(65)av	216
L_45(75)av	268
L_45(85)av	737

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-VF61SA01-15W	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	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928	2928
5	2853	2872	2879	2895	2903	2919	2923	2934	2929	2927	2914	2908	2887	2868	2857	2838	2826	2812	2813
10	2609	2631	2625	2653	2653	2682	2681	2712	2708	2725	2707	2711	2686	2670	2660	2628	2615	2594	2596
15	2013	2031	2000	2037	2026	2077	2078	2138	2141	2202	2211	2260	2235	2214	2226	2190	2193	2149	2140
20	1163	1162	1110	1134	1102	1147	1143	1214	1232	1315	1334	1414	1403	1392	1430	1393	1410	1362	1365
25	444	430	390	395	376	401	403	451	470	510	536	591	590	609	648	633	662	632	641
30	93.9	92.3	85.1	87.7	84.6	91.9	93.3	106	109	128	125	151	154	151	173	165	185	170	181
35	37.9	40.1	41.1	41.5	40.9	40.0	35.5	42.0	45.4	46.4	46.2	47.3	46.6	47.0	48.4	48.0	49.9	48.7	48.3
40	14.5	13.9	14.9	16.1	14.5	12.2	11.9	12.5	17.0	21.5	22.3	17.6	17.1	18.0	27.0	27.1	28.0	21.6	21.3
45	4.42	4.95	5.45	6.08	5.28	4.35	3.69	4.63	5.79	7.38	7.28	7.10	6.88	7.30	8.46	9.43	9.43	8.17	7.66
50	1.67	1.52	2.07	2.72	1.95	1.16	1.02	1.25	2.20	3.43	2.99	2.21	2.09	2.37	3.23	3.97	3.31	1.83	1.38
55	1.27	0.89	0.74	0.81	0.53	0.37	0.36	0.39	0.59	1.13	0.96	0.94	1.24	1.35	1.24	1.42	1.00	0.74	0.70
60	1.06	0.69	0.54	0.38	0.30	0.24	0.26	0.24	0.31	0.41	0.59	0.71	1.03	2.33	0.95	0.63	0.59	0.57	0.51
65	0.94	0.37	0.41	0.30	0.29	0.20	0.19	0.20	0.26	0.28	0.44	0.39	0.77	3.22	2.71	0.39	0.33	0.25	0.21
70	1.17	0.33	0.36	0.28	0.25	0.21	0.19	0.21	0.24	0.28	0.37	0.33	0.93	2.67	0.48	0.22	0.19	0.19	0.18
75	0.66	0.31	0.34	0.29	0.25	0.23	0.20	0.23	0.24	0.31	0.34	0.31	0.75	1.21	0.19	0.20	0.19	0.19	0.19
80	0.45	0.29	0.31	0.27	0.25	0.24	0.23	0.25	0.25	0.27	0.30	0.30	0.49	0.21	0.27	0.19	0.20	0.19	0.19
85	0.25	0.26	0.27	0.27	0.25	0.26	0.24	0.26	0.24	0.27	0.26	0.27	0.23	0.20	0.23	0.19	0.20	0.19	0.21
90	0.25	0.29	0.27	0.28	0.25	0.27	0.25	0.27	0.26	0.31	0.28	0.31	0.27	0.22	0.25	0.20	0.22	0.20	0.23
95	0.59	0.33	0.37	0.35	0.28	0.29	0.27	0.29	0.28	0.37	0.39	0.34	0.44	0.62	0.32	0.23	0.24	0.24	0.25
100	0.75	0.41	0.45	0.45	0.34	0.32	0.28	0.31	0.31	0.44	0.49	0.44	0.59	1.20	0.42	0.25	0.27	0.26	0.28
105	0.91	0.57	0.50	0.45	0.38	0.36	0.32	0.35	0.36	0.44	0.51	0.55	0.92	1.37	0.48	0.27	0.30	0.29	0.31
110	1.15	0.63	0.55	0.45	0.44	0.44	0.40	0.43	0.41	0.47	0.52	0.57	1.21	1.90	0.57	0.33	0.35	0.34	0.36
115	1.83	0.84	0.76	0.59	0.57	0.66	0.62	0.64	0.55	0.58	0.66	0.68	1.77	2.64	0.75	0.44	0.48	0.50	0.50
120	1.38	1.35	1.31	1.16	1.27	1.18	1.16	1.13	1.17	1.03	1.09	1.10	1.15	1.16	0.99	0.87	0.94	0.97	0.98
125	2.45	2.40	2.41	2.39	2.48	2.40	2.34	2.32	2.26	2.14	2.08	1.99	2.03	2.02	1.89	1.89	2.08	2.02	1.97
130	4.16	4.16	4.31	4.39	4.43	4.25	4.16	4.11	4.13	3.99	3.84	3.64	3.63	3.64	3.61	4.01	4.23	3.71	3.61
135	6.58	6.59	6.88	6.79	6.82	6.62	6.49	6.45	6.46	6.27	6.26	5.96	5.93	6.00	11.2	6.35	7.97	5.90	5.87
140	11.0	9.69	9.59	9.28	9.29	9.27	9.16	9.06	8.92	8.75	8.90	8.90	10.2	13.5	16.7	8.42	14.7	8.56	8.48
145	14.0	12.3	12.1	12.0	12.0	12.0	12.0	11.8	11.7	11.5	11.5	11.6	13.3	17.6	11.1	11.1	11.1	11.4	11.7
150	14.4	14.4	14.5	14.4	14.5	14.5	14.5	14.4	14.3	14.1	14.1	14.0	13.9	13.9	13.8	13.8	13.8	13.9	13.9
155	15.9	16.0	16.0	16.0	16.2	16.2	16.1	16.2	16.2	16.0	15.9	15.9	15.9	15.8	15.8	15.8	15.9	16.0	15.9
160	16.4	16.4	16.2	16.5	16.6	16.6	16.6	16.8	16.8	16.8	16.6	16.8	16.8	16.5	17.0	17.0	16.9	17.0	17.3
165	15.5	15.6	15.3	15.5	15.7	15.9	16.1	16.2	16.1	16.1	16.0	16.3	16.1	16.1	16.2	16.2	16.2	16.4	16.6
170	14.0	13.9	13.9	14.0	14.1	14.3	14.5	14.6	14.6	14.7	14.9	15.0	14.8	14.8	14.9	14.8	14.8	14.8	14.8
175	13.3	13.3	13.3	13.5	13.6	13.5	13.5	13.6	13.8	14.1	14.1	14.0	13.8	13.9	14.1	14.1	13.9	13.8	13.7
180	13.7	13.7	13.7	13.9	13.7	13.6	13.7	13.7	13.8	14.0	13.9	13.8	13.7	13.7	13.7	13.9	13.7	13.6	13.7

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-VF61SA01-15W	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	2928	2928	2928	2928	2928														
5	2811	2819	2823	2833	2838														
10	2591	2600	2591	2599	2592														
15	2088	2080	2033	2037	1993														
20	1298	1291	1235	1228	1166														
25	600	590	537	511	456														
30	158	164	131	124	98.9														
35	47.5	47.7	44.8	43.5	40.2														
40	20.4	25.1	23.4	20.9	15.3														
45	7.69	8.60	8.80	7.59	5.34														
50	1.68	2.95	3.62	2.65	1.60														
55	0.74	0.87	1.14	0.98	1.14														
60	0.55	0.59	0.59	1.65	2.95														
65	0.24	0.30	0.35	3.16	2.96														
70	0.19	0.20	0.20	0.32	2.39														
75	0.19	0.19	0.20	0.20	0.38														
80	0.19	0.20	0.20	0.22	0.21														
85	0.19	0.21	0.20	0.22	0.22														
90	0.21	0.23	0.21	0.24	0.23														
95	0.23	0.25	0.23	0.33	0.45														
100	0.27	0.29	0.27	0.42	1.16														
105	0.31	0.32	0.31	0.58	1.32														
110	0.35	0.38	0.38	0.71	1.82														
115	0.53	0.55	0.55	0.73	2.59														
120	1.05	1.10	1.07	1.22	1.46														
125	2.14	2.35	2.22	2.26	2.48														
130	3.82	4.44	4.24	4.13	4.25														
135	6.08	7.59	6.62	12.8	6.81														
140	8.76	16.0	8.96	16.6	14.2														
145	11.5	11.5	11.7	11.8	18.6														
150	14.1	14.1	14.2	14.3	14.5														
155	16.1	16.0	16.0	16.0	16.0														
160	16.9	16.8	16.8	16.9	16.3														
165	16.3	16.0	15.8	15.6	15.6														
170	14.7	14.5	14.3	14.2	14.2														
175	13.8	13.9	13.8	13.6	13.5														
180	13.7	13.8	14.0	13.9	13.8														

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: