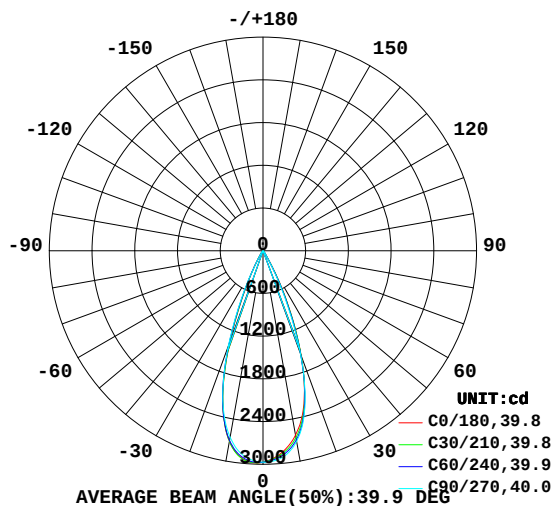


LUMINAIRE PHOTOMETRIC TEST REPORT

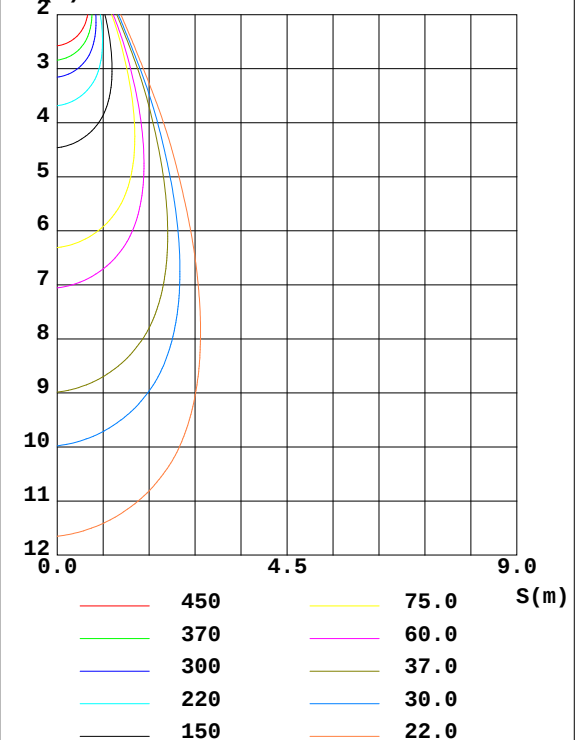
NAME: VM060-VF62RF02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.72 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	2989	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)	1315.8	η UP, DN(C0-180)	1.2, 50.6
NOMINAL FLUX(lm)	1315.84	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 47.0
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: 2021-08-10

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:

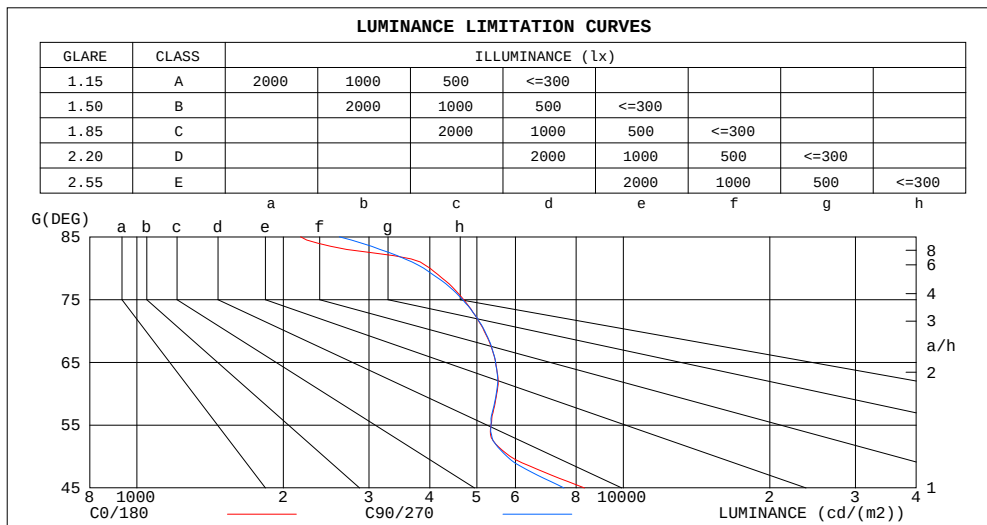
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2631	2692	2719	2770	2717	2702	2662	2612	0- 10	271.0	271.0	20.6,20.6
20	1565	1587	1542	1523	1363	1351	1420	1433	10- 20	596.8	867.9	66,66
30	245.4	249.7	210.9	225.2	182.0	170.0	173.5	185.1	20- 30	325.6	1193	90.7,90.7
40	41.82	41.62	38.42	35.32	28.79	27.88	32.44	34.63	30- 40	51.04	1244	94.6,94.6
50	13.98	14.00	13.86	13.68	13.10	12.83	13.01	13.03	40- 50	15.72	1260	95.8,95.8
60	10.20	10.28	10.25	10.22	9.984	9.790	9.804	9.795	50- 60	10.19	1270	96.5,96.5
70	6.574	6.690	6.639	6.633	6.220	6.003	6.016	6.025	60- 70	8.210	1279	97.2,97.2
80	2.584	2.589	2.524	2.084	1.972	1.919	1.986	2.077	70- 80	4.457	1283	97.5,97.5
90	0.3230	0.3128	0.3208	0.3128	0.2965	0.2815	0.2963	0.2811	80- 90	0.9640	1284	97.6,97.6
100	0.3469	0.3635	0.3470	0.3660	0.3668	0.3392	0.3648	0.3415	90-100	0.3540	1284	97.6,97.6
110	0.4608	0.4650	0.4487	0.4726	0.5164	0.4909	0.5000	0.4810	100-110	0.4234	1285	97.6,97.6
120	1.287	1.255	1.329	1.361	1.601	1.602	1.494	1.482	110-120	0.8008	1286	97.7,97.7
130	4.360	4.312	4.465	4.480	4.911	4.932	4.788	4.760	120-130	2.501	1288	97.9,97.9
140	9.546	9.461	9.648	9.652	10.17	10.20	10.06	10.06	130-140	5.455	1294	98.3,98.3
150	15.03	14.96	15.25	15.30	15.79	15.76	15.70	15.53	140-150	7.918	1301	98.9,98.9
160	17.53	17.81	18.06	18.21	18.07	18.21	18.31	17.98	150-160	7.878	1309	99.5,99.5
170	16.18	16.06	16.44	16.51	16.52	16.47	16.40	16.08	160-170	4.965	1314	99.9,99.9
180	15.88	16.07	15.79	16.10	15.90	16.06	15.80	16.10	170-180	1.522	1316	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:2021-08-10

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-VF62RF02-15W	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	2170	2608
80	4005	3886
75	4696	4673
70	5174	5189
65	5464	5462
60	5492	5479
55	5346	5348
50	5854	5763
45	8317	7551

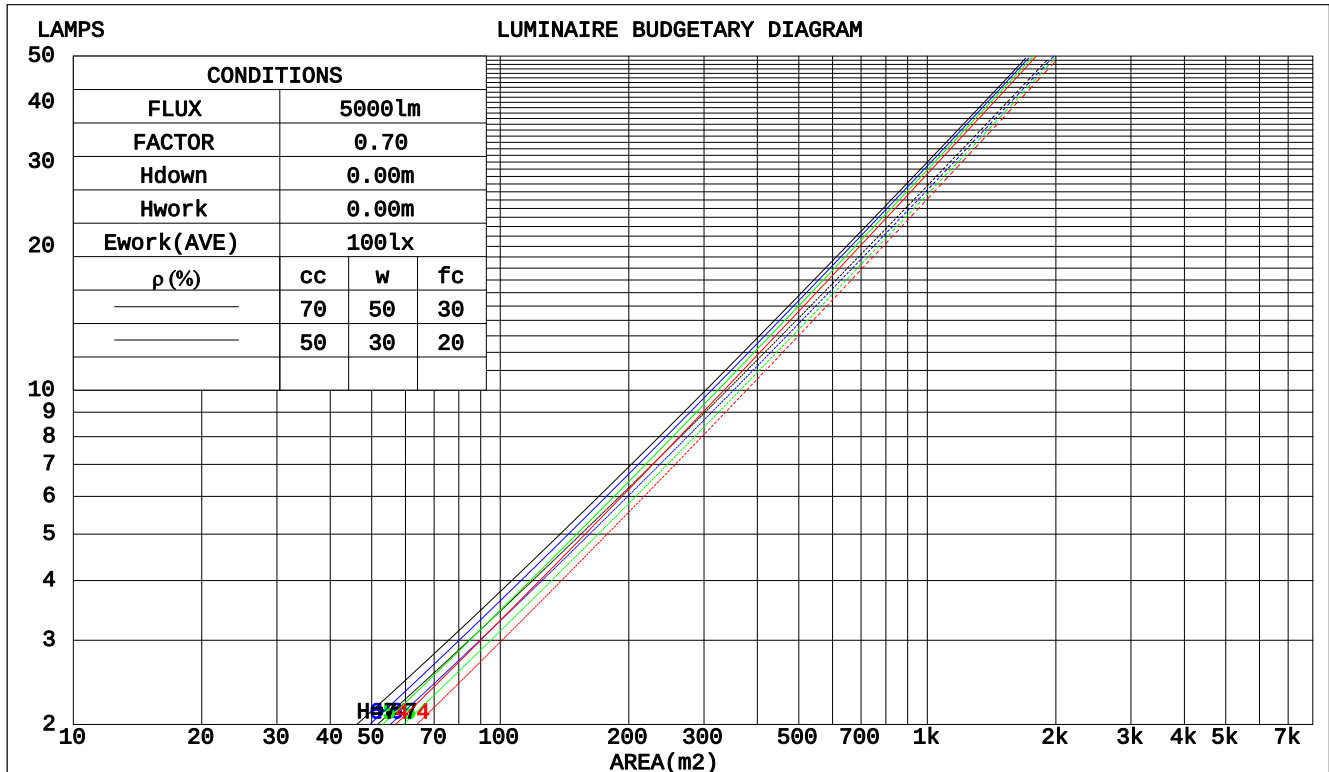
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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: V060-VF62RF02-15W	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	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.02	1.00	.99	.98	.97	.96	.95	.93
2.0	1.05	1.02	.99	1.03	1.00	.97	.00	.97	.95	.96	.94	.93	.93	.92	.90	.89
3.0	.00	.95	.92	.98	.94	.91	.95	.92	.89	.93	.90	.88	.90	.88	.86	.85
4.0	.95	.90	.87	.93	.89	.86	.91	.88	.85	.89	.86	.84	.87	.84	.82	.81
5.0	.90	.86	.82	.89	.85	.82	.87	.84	.81	.86	.82	.80	.84	.81	.79	.78
6.0	.86	.82	.78	.86	.81	.78	.84	.80	.77	.82	.79	.76	.81	.78	.76	.74
7.0	.83	.78	.75	.82	.77	.74	.81	.77	.74	.79	.76	.73	.78	.75	.73	.71
8.0	.79	.75	.71	.79	.74	.71	.78	.74	.71	.77	.73	.70	.75	.72	.70	.69
9.0	.76	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
10.0	.74	.69	.66	.73	.69	.66	.72	.68	.65	.71	.68	.65	.71	.67	.65	.64



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF02-15W	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	.156	.089	.028	.149	.085	.027	.135	.077	.025	.122	.070	.023	.110	.064	.021		
2.0	.146	.080	.025	.140	.077	.024	.128	.071	.022	.117	.066	.021	.107	.061	.019		
3.0	.137	.073	.022	.131	.070	.021	.121	.066	.020	.112	.062	.019	.104	.057	.018		
4.0	.129	.067	.020	.124	.065	.019	.116	.061	.018	.108	.058	.017	.100	.054	.017		
5.0	.122	.062	.018	.118	.060	.018	.110	.057	.017	.103	.055	.016	.097	.052	.016		
6.0	.115	.058	.017	.112	.057	.016	.105	.054	.016	.099	.052	.015	.094	.049	.015		
7.0	.110	.054	.015	.107	.053	.015	.101	.051	.015	.096	.049	.014	.090	.047	.014		
8.0	.105	.051	.014	.102	.050	.014	.097	.048	.014	.092	.047	.013	.088	.045	.013		
9.0	.100	.049	.014	.098	.048	.013	.093	.046	.013	.089	.045	.013	.085	.043	.012		
10.0	.096	.046	.013	.094	.045	.013	.090	.044	.012	.086	.043	.012	.082	.041	.012		

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	.165	.161	.151	.142	.110	.104	.098	.063	.060	.057	.020	.019	.018	
2.0	.171	.151	.134	.147	.130	.116	.101	.090	.081	.058	.052	.047	.019	.017	.015	
3.0	.158	.132	.112	.135	.114	.097	.093	.079	.068	.054	.046	.040	.017	.015	.013	
4.0	.146	.117	.095	.125	.101	.083	.086	.071	.058	.050	.041	.034	.016	.013	.011	
5.0	.136	.105	.082	.117	.091	.072	.081	.064	.051	.047	.037	.030	.015	.012	.010	
6.0	.128	.096	.072	.110	.083	.063	.076	.058	.045	.044	.034	.026	.014	.011	.009	
7.0	.121	.088	.064	.104	.076	.056	.072	.053	.040	.042	.031	.024	.013	.010	.008	
8.0	.115	.081	.058	.099	.070	.051	.068	.049	.036	.040	.029	.021	.013	.010	.007	
9.0	.109	.076	.053	.094	.066	.046	.065	.046	.033	.038	.027	.020	.012	.009	.006	
10.0	.105	.071	.049	.090	.062	.043	.063	.043	.030	.036	.026	.018	.012	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF02-15W						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	10.6	11.3	10.8	11.5	11.7	9.9	10.7	10.2	10.9	11.1	
3H	11.4	12.0	11.6	12.3	12.5	10.9	11.6	11.1	11.8	12.0	
4H	11.7	12.4	12.0	12.6	12.9	11.3	11.9	11.6	12.2	12.4	
6H	11.9	12.5	12.3	12.8	13.1	11.5	12.1	11.8	12.4	12.7	
8H	12.0	12.6	12.3	12.9	13.2	11.6	12.2	11.9	12.4	12.7	
12H	12.0	12.5	12.3	12.8	13.2	11.6	12.1	11.9	12.5	12.8	
4H 2H	10.8	11.5	11.1	11.7	12.0	10.2	10.9	10.5	11.1	11.4	
3H	11.8	12.3	12.1	12.6	13.0	11.4	11.9	11.7	12.3	12.6	
4H	12.2	12.8	12.6	13.1	13.4	11.9	12.4	12.3	12.7	13.1	
6H	12.6	13.0	13.0	13.4	13.8	12.2	12.7	12.6	13.1	13.4	
8H	12.7	13.1	13.1	13.5	13.9	12.3	12.7	12.7	13.1	13.5	
12H	12.7	13.1	13.1	13.5	13.9	12.3	12.7	12.8	13.1	13.6	
8H 4H	12.4	12.8	12.8	13.2	13.6	12.0	12.5	12.5	12.9	13.3	
6H	12.8	13.1	13.2	13.6	14.0	12.5	12.8	12.9	13.2	13.7	
8H	12.9	13.2	13.4	13.7	14.2	12.6	12.9	13.1	13.3	13.8	
12H	13.0	13.2	13.5	13.7	14.2	12.6	12.9	13.1	13.4	13.9	
12H 4H	12.3	12.7	12.8	13.1	13.6	12.0	12.4	12.5	12.8	13.3	
6H	12.8	13.1	13.3	13.6	14.0	12.5	12.8	12.9	13.2	13.7	
8H	12.9	13.2	13.4	13.7	14.2	12.6	12.9	13.1	13.4	13.9	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 0.8					+ 0.7 / - 0.8					
1.5H	+ 1.5 / - 0.8					+ 1.5 / - 0.7					
2.0H	+ 0.6 / - 0.3					+ 0.5 / - 0.3					

CIE Pub.117, 1316 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.0$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

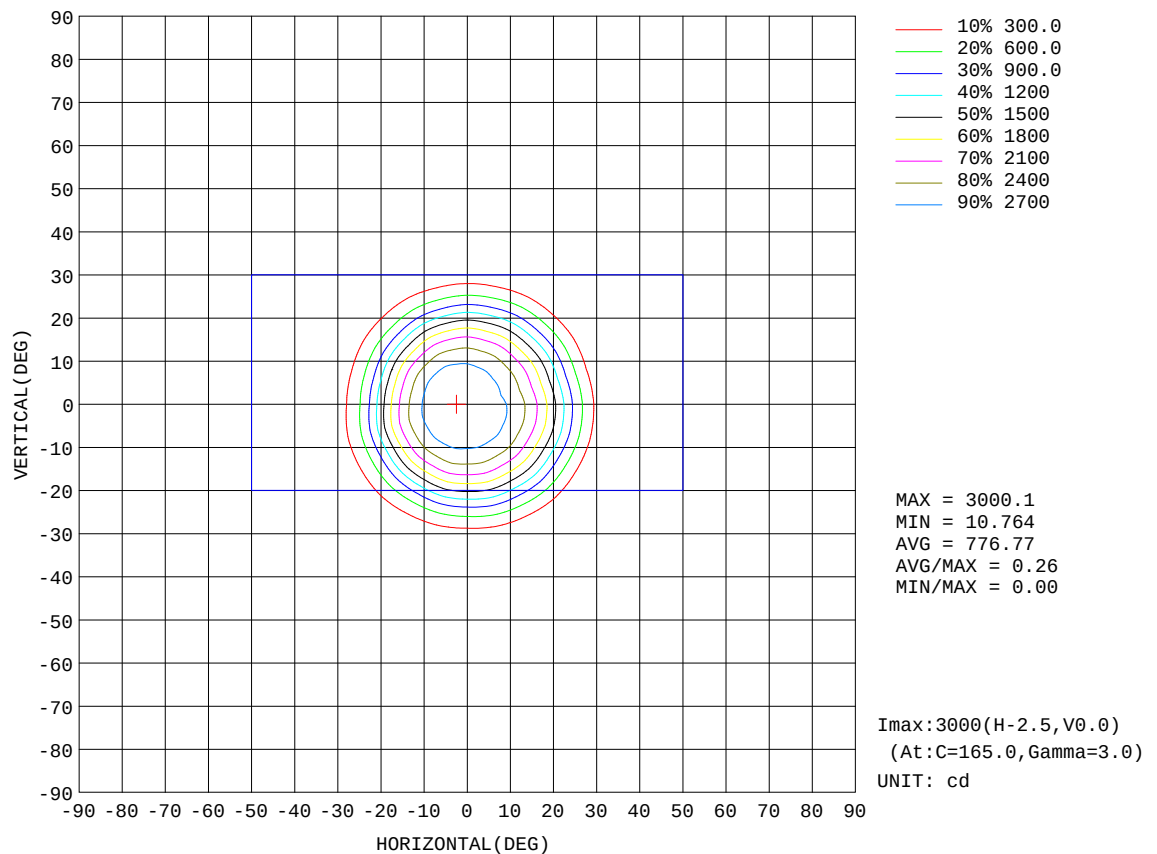
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	79	88	82	79	87	82	78	75
0.80	95	90	86	95	89	86	93	89	86	82
1.00	99	94	91	98	93	90	97	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	93
3.00	111	108	105	109	106	104	106	103	102	95
4.00	113	111	108	111	109	107	107	105	104	96
5.00	115	112	111	112	110	109	108	107	105	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:2021-08-10

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-VF62RF02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

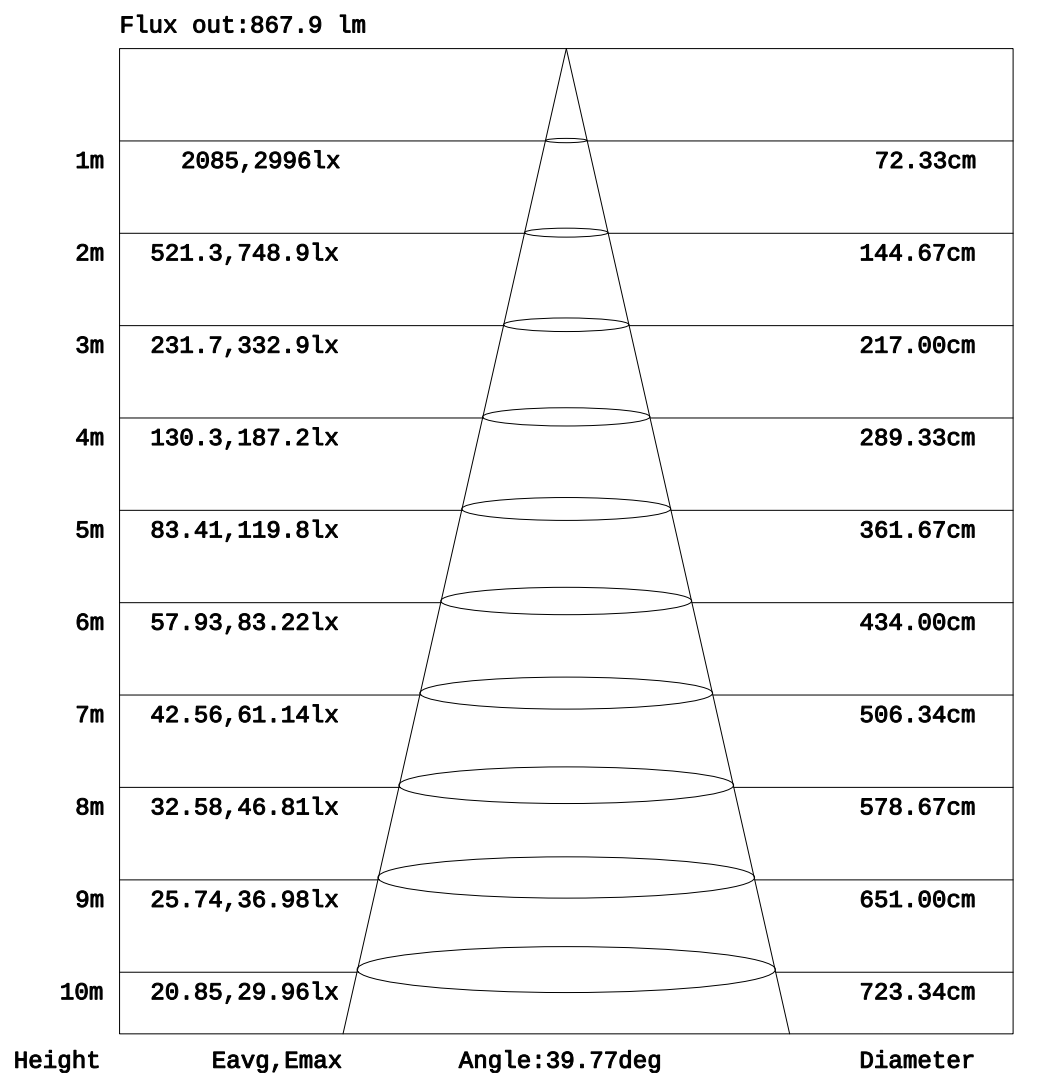


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-10

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-VF62RF02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



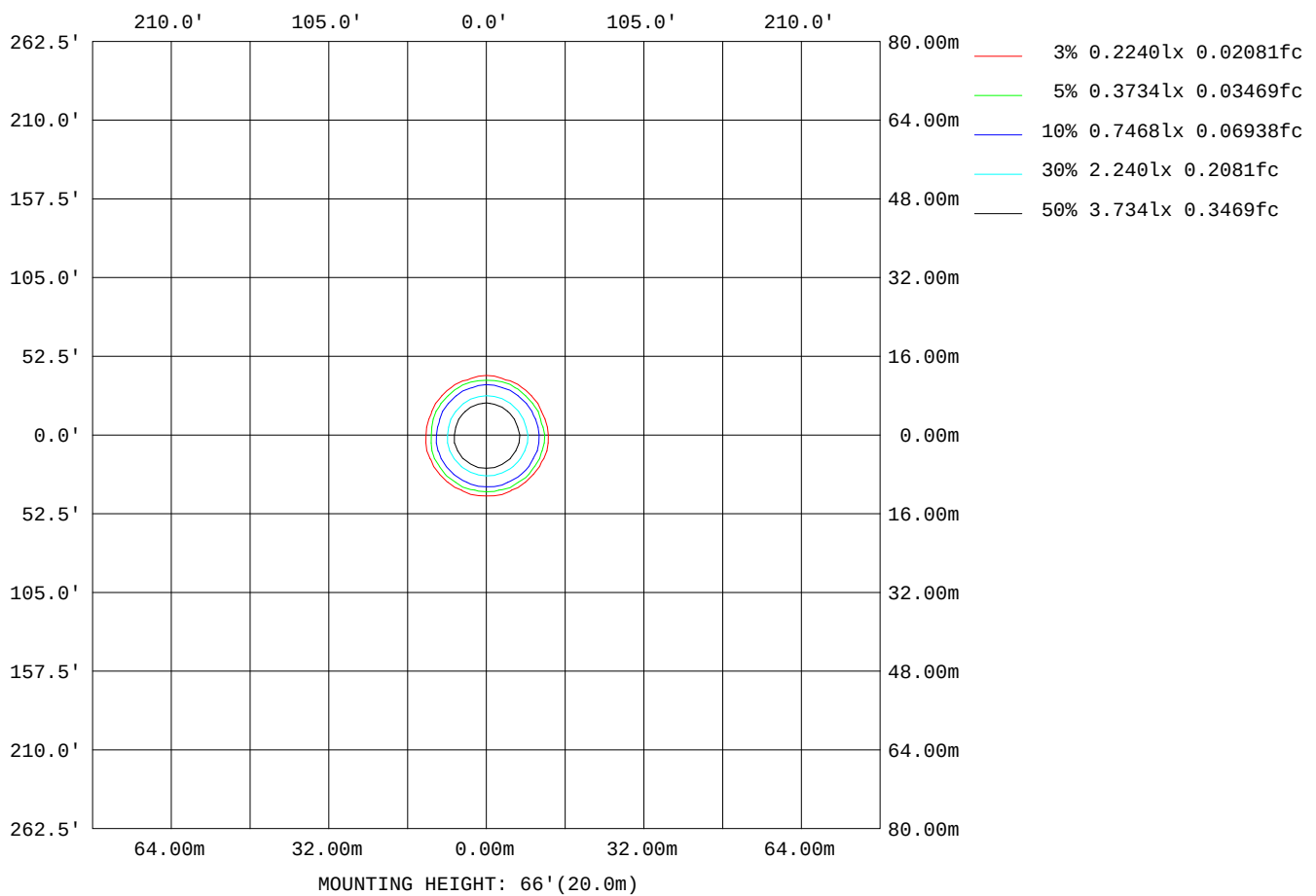
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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-VF62RF02-15W	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: 2021-08-10

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-VF62RF02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

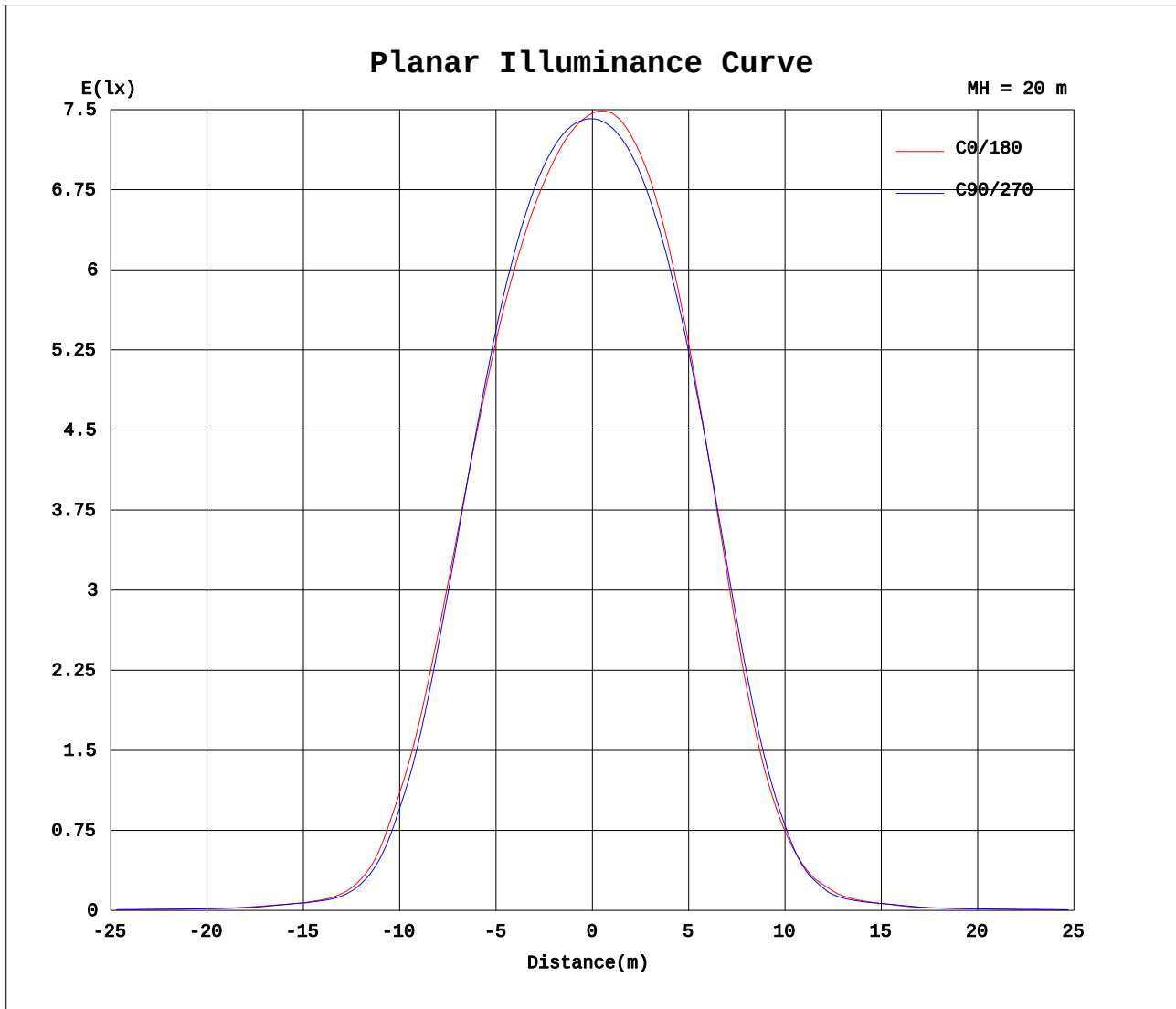
AvgL	cd/m2
L_0~180(65)av	5324
L_0~180(75)av	4444
L_0~180(85)av	1875
L_90~270(65)av	5279
L_90~270(75)av	4371
L_90~270(85)av	2151
L_45(65)av	5276
L_45(75)av	4346
L_45(85)av	2077

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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: 2021-08-10

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-VF62RF02-15W	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	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969	2969
5	2859	2870	2876	2888	2898	2915	2923	2940	2948	2961	2961	2969	2950	2950	2954	2940	2933	2914	2903
10	2631	2655	2665	2692	2696	2718	2719	2746	2748	2770	2758	2770	2717	2706	2717	2702	2705	2673	2662
15	2223	2249	2242	2270	2257	2285	2275	2308	2283	2305	2274	2282	2188	2159	2184	2166	2197	2172	2181
20	1565	1595	1567	1587	1552	1574	1542	1560	1513	1523	1471	1484	1363	1324	1366	1351	1405	1389	1420
25	809	838	807	822	777	778	729	734	692	702	661	662	577	565	586	580	612	605	634
30	245	258	243	250	228	228	211	219	212	225	213	213	182	173	179	170	173	161	173
35	73.3	74.8	72.6	73.2	70.0	69.2	68.7	69.9	71.1	74.6	73.0	72.4	66.5	64.8	65.9	64.6	63.8	62.2	61.5
40	41.8	42.8	41.5	41.6	40.3	40.3	38.4	38.5	35.7	35.3	33.1	32.9	28.8	27.7	28.3	27.9	30.2	30.4	32.4
45	21.8	22.1	21.4	21.1	20.6	20.5	20.0	20.0	19.3	19.1	18.8	18.8	17.9	17.5	17.7	17.5	18.1	18.0	18.5
50	14.0	14.1	14.0	14.0	13.9	14.0	13.9	13.9	13.7	13.7	13.5	13.4	13.1	12.9	12.9	12.8	13.0	12.9	13.0
55	11.4	11.5	11.4	11.5	11.5	11.5	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	11.0	11.0	11.0
60	10.2	10.3	10.2	10.3	10.2	10.3	10.2	10.3	10.2	10.2	10.1	10.1	9.98	9.88	9.86	9.79	9.81	9.76	9.80
65	8.58	8.66	8.62	8.68	8.63	8.69	8.64	8.68	8.59	8.59	8.47	8.46	8.24	8.10	8.12	8.02	8.06	7.99	8.04
70	6.57	6.69	6.61	6.69	6.62	6.71	6.64	6.70	6.60	6.63	6.44	6.46	6.22	6.08	6.11	6.00	6.05	5.96	6.02
75	4.51	4.61	4.48	4.58	4.45	4.52	4.52	4.58	4.47	4.37	3.90	4.11	4.08	3.95	3.99	3.89	3.95	3.87	3.93
80	2.58	2.65	2.56	2.59	2.41	2.40	2.52	2.54	2.46	2.08	1.97	2.26	1.97	1.66	1.98	1.92	1.97	1.93	1.99
85	0.70	0.98	0.93	0.92	0.79	0.83	0.85	0.88	0.78	0.69	0.66	0.72	0.52	0.44	0.52	0.50	0.53	0.51	0.55
90	0.32	0.32	0.33	0.31	0.32	0.32	0.32	0.32	0.32	0.31	0.32	0.32	0.30	0.29	0.28	0.28	0.29	0.28	0.30
95	0.32	0.34	0.32	0.34	0.32	0.34	0.32	0.34	0.32	0.34	0.33	0.35	0.33	0.31	0.32	0.31	0.32	0.30	0.33
100	0.35	0.36	0.35	0.36	0.34	0.36	0.35	0.37	0.34	0.37	0.35	0.38	0.37	0.34	0.36	0.34	0.36	0.34	0.36
105	0.38	0.40	0.38	0.40	0.38	0.40	0.38	0.40	0.38	0.40	0.38	0.40	0.42	0.39	0.41	0.39	0.41	0.38	0.41
110	0.46	0.47	0.45	0.46	0.45	0.47	0.45	0.47	0.45	0.47	0.46	0.49	0.52	0.50	0.51	0.49	0.50	0.48	0.50
115	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.69	0.70	0.71	0.73	0.74	0.83	0.84	0.82	0.82	0.80	0.79	0.77
120	1.29	1.24	1.28	1.25	1.30	1.28	1.33	1.31	1.36	1.36	1.43	1.42	1.60	1.64	1.58	1.60	1.53	1.55	1.49
125	2.48	2.44	2.48	2.47	2.53	2.51	2.57	2.56	2.62	2.62	2.70	2.72	2.97	3.00	2.96	2.96	2.89	2.90	2.84
130	4.36	4.28	4.36	4.31	4.42	4.37	4.47	4.41	4.51	4.48	4.60	4.60	4.91	4.98	4.90	4.93	4.83	4.86	4.79
135	6.79	6.67	6.77	6.70	6.84	6.78	6.89	6.81	6.92	6.87	7.02	7.01	7.36	7.45	7.35	7.39	7.28	7.34	7.24
140	9.55	9.43	9.53	9.46	9.60	9.54	9.65	9.59	9.69	9.65	9.79	9.79	10.2	10.3	10.2	10.2	10.1	10.2	10.1
145	12.4	12.3	12.4	12.3	12.5	12.4	12.6	12.5	12.6	12.6	12.7	12.7	13.1	13.2	13.1	13.1	13.0	13.1	13.0
150	15.0	14.9	15.0	15.0	15.1	15.1	15.2	15.2	15.3	15.3	15.4	15.5	15.8	15.8	15.8	15.8	15.7	15.8	15.7
155	16.9	16.8	16.9	16.9	17.0	17.1	17.2	17.2	17.3	17.3	17.4	17.3	17.6	17.6	17.6	17.6	17.6	17.6	17.6
160	17.5	17.5	17.6	17.8	17.9	18.0	18.1	18.2	18.2	18.2	18.0	18.0	18.1	18.1	18.1	18.2	18.3	18.3	18.3
165	17.2	17.2	17.1	17.3	17.6	17.8	17.8	17.9	17.7	17.7	17.6	17.6	17.6	17.6	17.6	17.6	17.7	17.8	17.8
170	16.2	16.1	16.0	16.1	16.2	16.4	16.4	16.5	16.4	16.5	16.6	16.7	16.5	16.6	16.6	16.5	16.4	16.4	16.4
175	15.5	15.5	15.4	15.6	15.7	15.6	15.6	15.7	15.8	16.1	16.1	16.0	15.9	16.0	16.1	16.1	16.0	15.8	15.7
180	15.9	15.8	15.9	16.1	15.9	15.7	15.8	15.8	15.9	16.1	16.0	15.9	15.9	15.8	15.9	16.1	15.9	15.7	15.8

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF02-15W	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	2969	2969	2969	2969	2969													
5	2884	2872	2859	2852	2846													
10	2635	2631	2612	2610	2599													
15	2147	2160	2143	2164	2157													
20	1402	1439	1433	1475	1472													
25	635	681	685	728	727													
30	166	181	185	204	203													
35	61.5	62.4	64.1	64.8	66.0													
40	32.5	34.3	34.6	36.8	37.2													
45	18.4	18.9	18.9	19.8	20.0													
50	12.9	13.1	13.0	13.2	13.3													
55	11.0	11.0	11.0	11.1	11.1													
60	9.77	9.80	9.79	9.87	9.90													
65	7.99	8.07	8.05	8.17	8.19													
70	5.95	6.04	6.03	6.16	6.18													
75	3.89	3.98	3.98	4.11	4.14													
80	1.96	2.06	2.08	2.20	2.24													
85	0.54	0.59	0.60	0.67	0.59													
90	0.29	0.29	0.28	0.28	0.28													
95	0.31	0.32	0.30	0.32	0.30													
100	0.35	0.36	0.34	0.35	0.34													
105	0.38	0.40	0.38	0.39	0.38													
110	0.48	0.49	0.48	0.49	0.48													
115	0.77	0.77	0.77	0.76	0.75													
120	1.52	1.46	1.48	1.43	1.44													
125	2.85	2.79	2.80	2.73	2.73													
130	4.82	4.73	4.76	4.65	4.67													
135	7.32	7.19	7.25	7.11	7.14													
140	10.1	10.00	10.1	9.91	9.94													
145	13.1	12.9	12.9	12.8	12.8													
150	15.7	15.6	15.5	15.4	15.4													
155	17.6	17.4	17.4	17.2	17.2													
160	18.3	18.2	18.0	17.8	17.7													
165	17.7	17.6	17.3	17.2	17.3													
170	16.3	16.2	16.1	16.1	16.1													
175	15.7	15.8	15.8	15.5	15.5													
180	15.7	15.9	16.1	16.0	15.9													

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C Interval: 15.0DEG
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Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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: