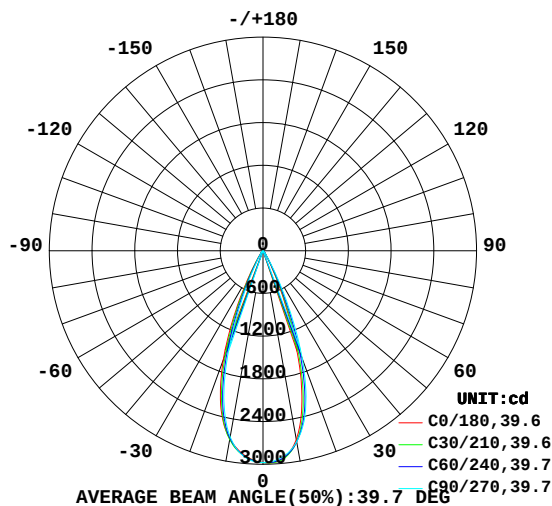


LUMINAIRE PHOTOMETRIC TEST REPORT

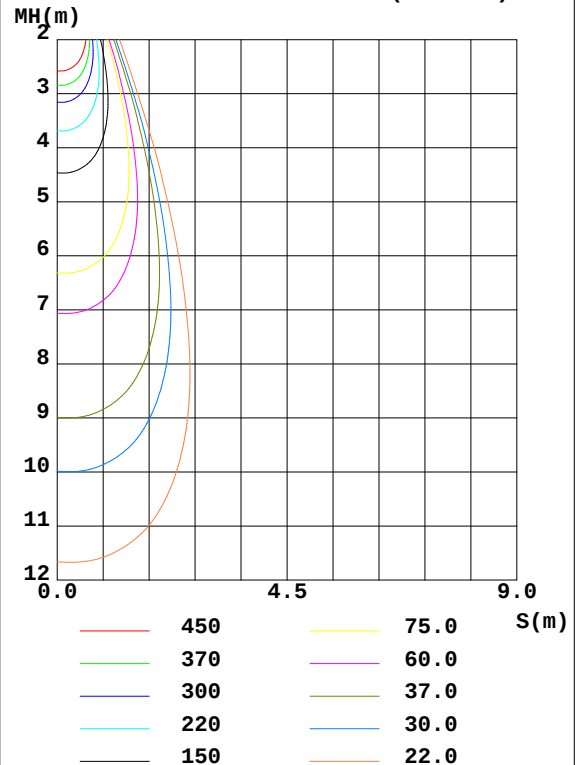
NAME: VM060-VF62RA03-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.69 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	2983	S/MH(C0/180)	0.64
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.58
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1341.6	η UP, DN(C0-180)	1.2, 50.8
NOMINAL FLUX(lm)	1341.58	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 46.7
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: 2021-08-09

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:

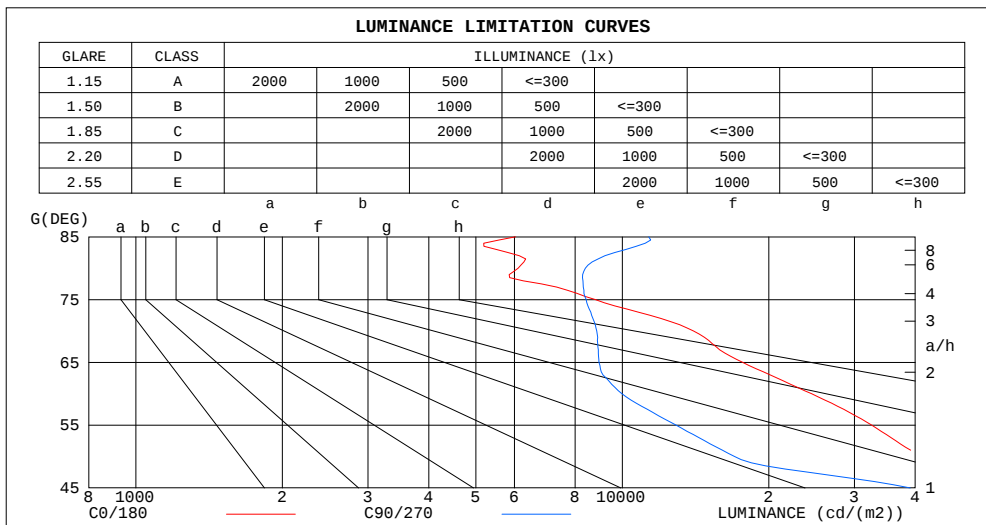
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2693	2739	2723	2706	2684	2676	2654	2639	0- 10	271.4	271.4	20.2, 20.2
20	1258	1463	1610	1704	1632	1462	1310	1161	10- 20	593.4	864.8	64.5, 64.5
30	179.7	215.4	264.1	339.3	311.9	231.7	175.8	161.3	20- 30	322.1	1187	88.5, 88.5
40	52.44	53.83	47.68	55.07	53.73	49.53	49.10	48.85	30- 40	65.47	1252	93.4, 93.4
50	24.96	26.74	10.39	27.12	27.06	26.22	25.56	23.63	40- 50	27.28	1280	95.4, 95.4
60	11.57	14.07	4.745	14.89	14.79	14.15	13.43	11.90	50- 60	16.17	1296	96.6, 96.6
70	4.527	5.608	2.882	6.428	6.221	5.963	5.410	4.472	60- 70	8.668	1305	97.2, 97.2
80	1.002	1.900	1.387	1.912	1.351	1.881	1.740	1.408	70- 80	3.332	1308	97.5, 97.5
90	0.4683	0.5911	0.6324	0.4385	0.5447	0.7081	0.6370	0.3886	80- 90	0.9862	1309	97.6, 97.6
100	0.4205	0.4521	0.4649	0.4389	0.4021	0.3860	0.4001	0.3987	90-100	0.5590	1309	97.6, 97.6
110	0.6123	0.7280	0.5853	0.5985	0.5801	0.5489	0.5685	0.6244	100-110	0.5420	1310	97.6, 97.6
120	1.788	1.596	1.422	1.324	1.359	1.494	1.660	1.886	110-120	0.9481	1311	97.7, 97.7
130	5.226	4.749	4.368	4.050	4.304	4.689	5.077	5.419	120-130	2.606	1313	97.9, 97.9
140	10.60	10.00	9.527	9.127	9.430	9.952	10.47	10.86	130-140	5.549	1319	98.3, 98.3
150	16.04	15.56	15.23	14.87	15.19	15.64	16.17	16.32	140-150	8.024	1327	98.9, 98.9
160	17.89	18.15	18.23	18.29	18.15	18.42	18.57	18.27	150-160	7.983	1335	99.5, 99.5
170	16.03	16.17	16.71	16.79	16.90	16.73	16.48	15.97	160-170	5.016	1340	99.9, 99.9
180	15.85	16.09	15.78	16.01	15.87	16.08	15.80	16.01	170-180	1.528	1342	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:2021-08-09

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-VF62RA03-15W	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	6028	11335
80	6106	8397
75	8796	8428
70	14004	8857
65	17669	8956
60	24486	9976
55	32541	12890
50	41084	16997
45	53337	39068

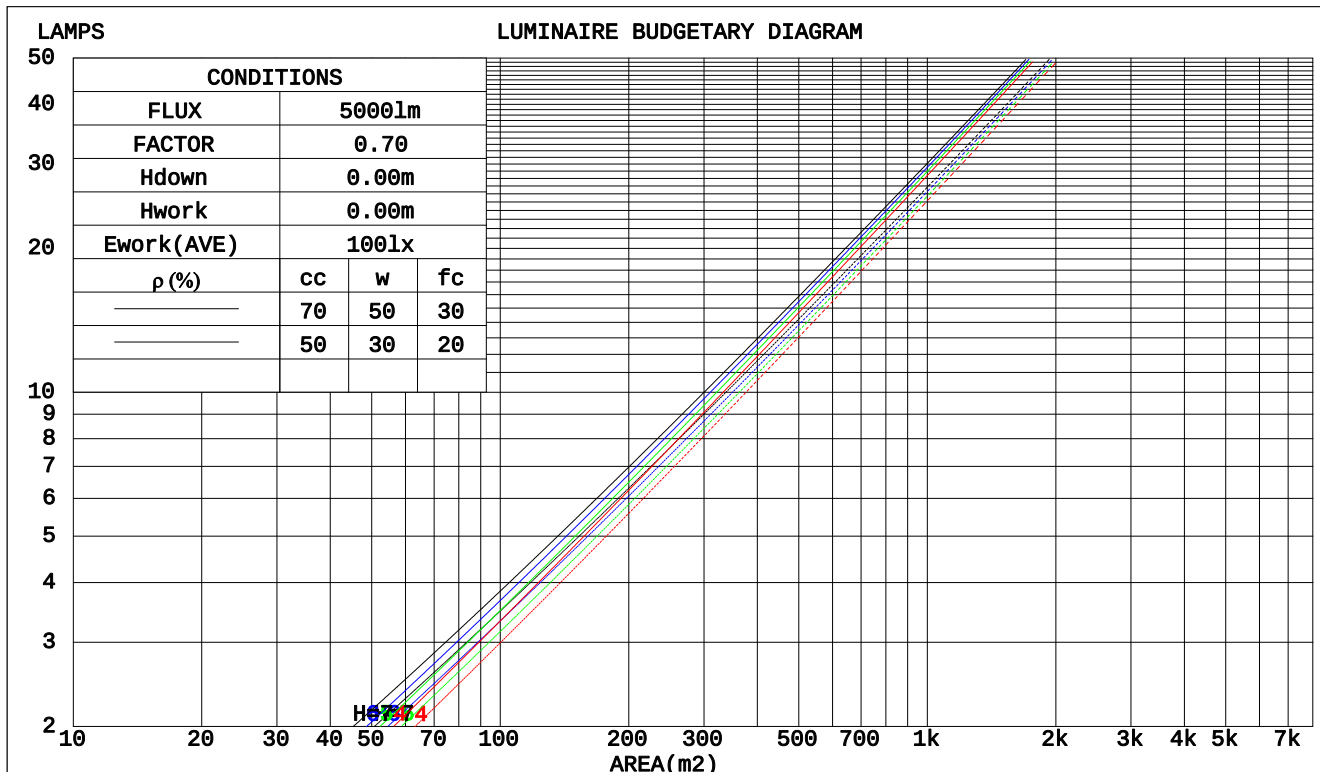
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.01	1.00	.99	.98	.96	.96	.95	.93
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.97	.95	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.92	.89	.87	.90	.88	.86	.84
4.0	.94	.90	.86	.93	.89	.85	.91	.87	.84	.88	.85	.83	.86	.84	.82	.80
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.77
6.0	.86	.81	.77	.85	.80	.77	.83	.79	.76	.82	.78	.75	.80	.77	.75	.74
7.0	.82	.77	.74	.81	.77	.73	.80	.76	.73	.79	.75	.72	.77	.74	.72	.71
8.0	.79	.74	.70	.78	.73	.70	.77	.73	.70	.76	.72	.69	.75	.71	.69	.68
9.0	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.65
10.0	.73	.68	.65	.72	.68	.65	.71	.67	.64	.70	.67	.64	.70	.66	.64	.63



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA03-15W	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	.158	.090	.028	.151	.086	.027	.137	.078	.025	.124	.072	.023	.112	.065	.021		
2.0	.148	.081	.025	.142	.078	.024	.130	.072	.022	.119	.067	.021	.110	.062	.020		
3.0	.139	.074	.022	.134	.072	.022	.124	.067	.020	.115	.063	.019	.106	.059	.018		
4.0	.131	.068	.020	.127	.066	.020	.118	.063	.019	.110	.059	.018	.103	.056	.017		
5.0	.124	.063	.018	.120	.062	.018	.113	.059	.017	.106	.056	.017	.099	.053	.016		
6.0	.118	.059	.017	.114	.058	.017	.108	.055	.016	.101	.053	.015	.096	.050	.015		
7.0	.112	.055	.016	.109	.054	.015	.103	.052	.015	.098	.050	.015	.092	.048	.014		
8.0	.107	.052	.015	.104	.051	.014	.099	.049	.014	.094	.048	.014	.089	.046	.013		
9.0	.102	.049	.014	.100	.049	.014	.095	.047	.013	.091	.045	.013	.087	.044	.013		
10.0	.098	.047	.013	.096	.046	.013	.092	.045	.013	.088	.044	.012	.084	.042	.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	.189	.176	.165	.161	.151	.142	.110	.104	.098	.064	.060	.057	.020	.019	.018	
2.0	.172	.151	.134	.147	.130	.116	.101	.090	.081	.058	.052	.047	.019	.017	.015	
3.0	.158	.132	.112	.136	.114	.097	.093	.079	.068	.054	.046	.040	.017	.015	.013	
4.0	.147	.117	.095	.126	.101	.083	.087	.071	.058	.050	.041	.034	.016	.013	.011	
5.0	.137	.105	.082	.118	.091	.071	.081	.064	.050	.047	.037	.030	.015	.012	.010	
6.0	.129	.096	.072	.111	.083	.063	.076	.058	.044	.044	.034	.026	.014	.011	.009	
7.0	.122	.088	.064	.105	.076	.056	.072	.053	.040	.042	.032	.024	.014	.010	.008	
8.0	.116	.082	.058	.100	.071	.051	.069	.050	.036	.040	.029	.021	.013	.010	.007	
9.0	.110	.076	.053	.095	.066	.046	.066	.046	.033	.038	.027	.020	.012	.009	.006	
10.0	.106	.072	.049	.091	.062	.043	.063	.044	.030	.037	.026	.018	.012	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA03-15W						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	16.7	17.5	17.0	17.7	17.9	15.7	16.5	16.0	16.7	16.9	
3H	17.0	17.7	17.2	17.9	18.1	15.8	16.5	16.0	16.7	16.9	
4H	17.0	17.7	17.3	17.9	18.2	15.8	16.4	16.1	16.7	16.9	
6H	17.0	17.6	17.3	17.9	18.1	15.8	16.4	16.1	16.7	17.0	
8H	16.9	17.5	17.3	17.8	18.1	15.8	16.4	16.1	16.7	17.0	
12H	16.9	17.5	17.2	17.8	18.1	15.8	16.4	16.1	16.7	17.0	
4H 2H	16.9	17.6	17.2	17.8	18.1	16.0	16.7	16.3	16.9	17.2	
3H	17.2	17.8	17.5	18.1	18.4	16.2	16.8	16.5	17.1	17.4	
4H	17.3	17.8	17.6	18.1	18.5	16.2	16.8	16.6	17.1	17.4	
6H	17.3	17.7	17.7	18.1	18.5	16.2	16.7	16.7	17.1	17.5	
8H	17.3	17.7	17.7	18.1	18.5	16.3	16.7	16.7	17.1	17.5	
12H	17.2	17.6	17.7	18.0	18.5	16.3	16.7	16.7	17.1	17.5	
8H 4H	17.2	17.7	17.7	18.1	18.5	16.2	16.7	16.7	17.1	17.5	
6H	17.3	17.7	17.8	18.1	18.5	16.3	16.7	16.8	17.1	17.6	
8H	17.3	17.6	17.8	18.1	18.6	16.4	16.7	16.9	17.2	17.7	
12H	17.3	17.6	17.8	18.1	18.6	16.5	16.8	17.0	17.2	17.8	
12H 4H	17.2	17.6	17.6	18.0	18.4	16.2	16.6	16.7	17.0	17.5	
6H	17.3	17.6	17.8	18.0	18.5	16.3	16.6	16.8	17.1	17.6	
8H	17.3	17.6	17.8	18.1	18.6	16.4	16.7	16.9	17.2	17.7	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.0 / - 1.4					+ 1.5 / - 2.0					
1.5H	+ 1.4 / - 0.9					+ 2.1 / - 2.3					
2.0H	+ 1.7 / - 1.6					+ 1.8 / - 2.6					

CIE Pub.117, 1342 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:2021-08-09

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-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

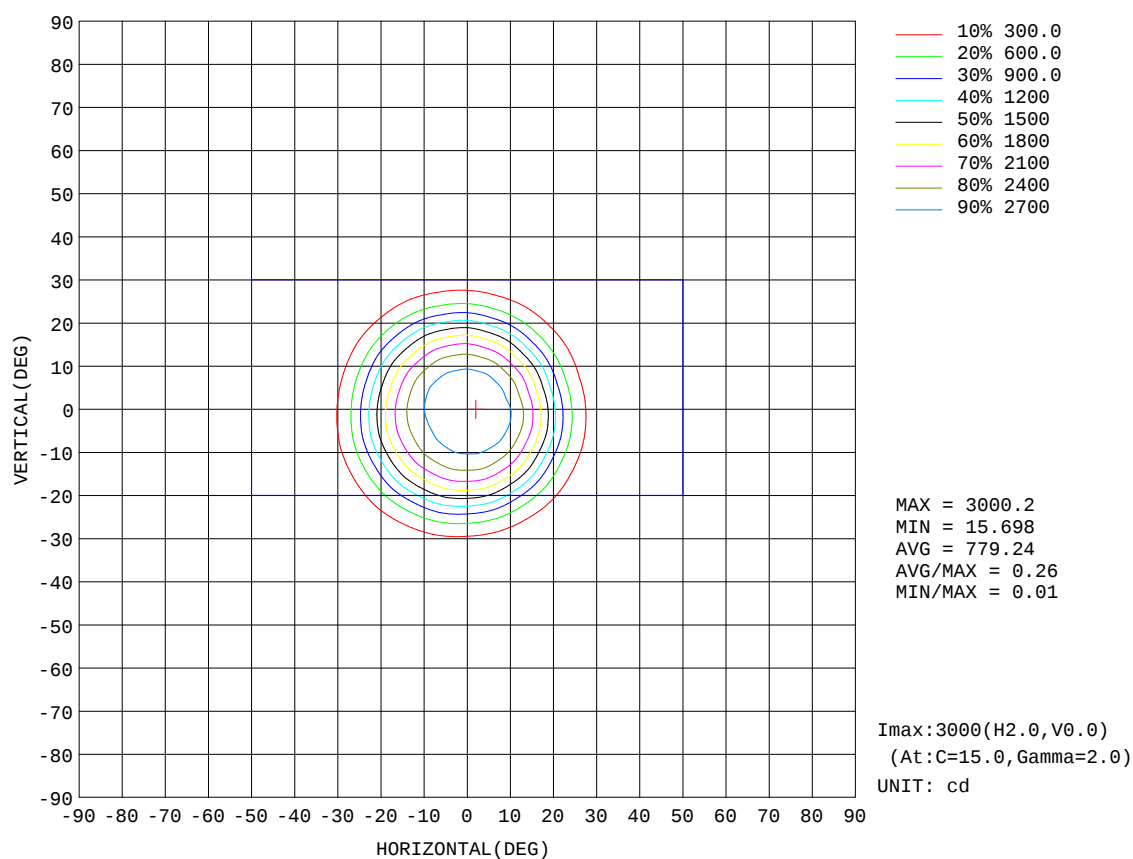
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	87	81	78	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	93	90	98	93	89	96	92	89	85
1.25	103	98	94	102	97	94	99	95	93	88
1.50	105	101	97	104	100	97	101	98	95	91
2.00	108	104	101	106	103	100	103	100	98	92
2.50	110	106	103	108	104	102	104	102	100	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	110	108	111	109	107	107	105	104	96
5.00	114	112	110	112	110	109	108	106	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:2021-08-09

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-VF62RA03-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

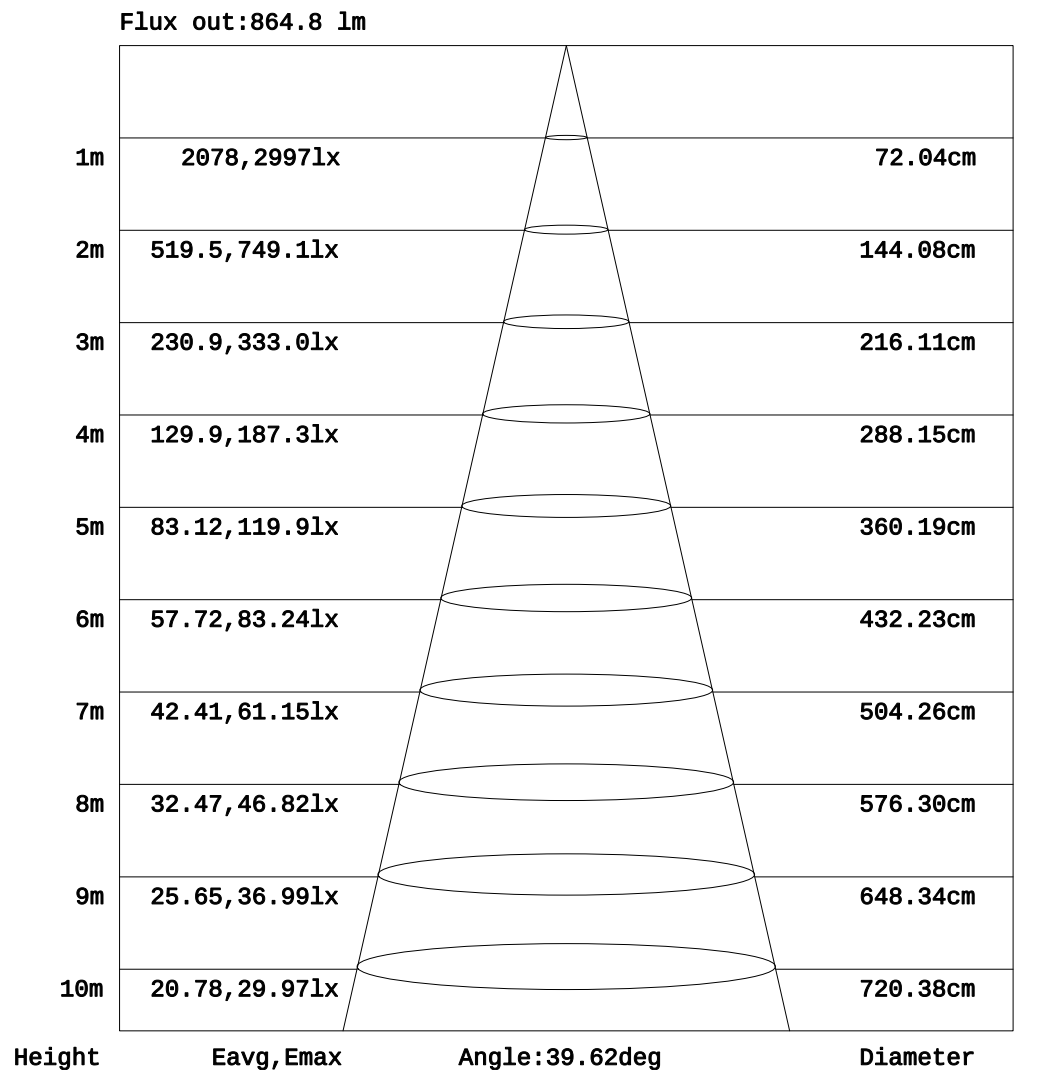


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-09

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-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



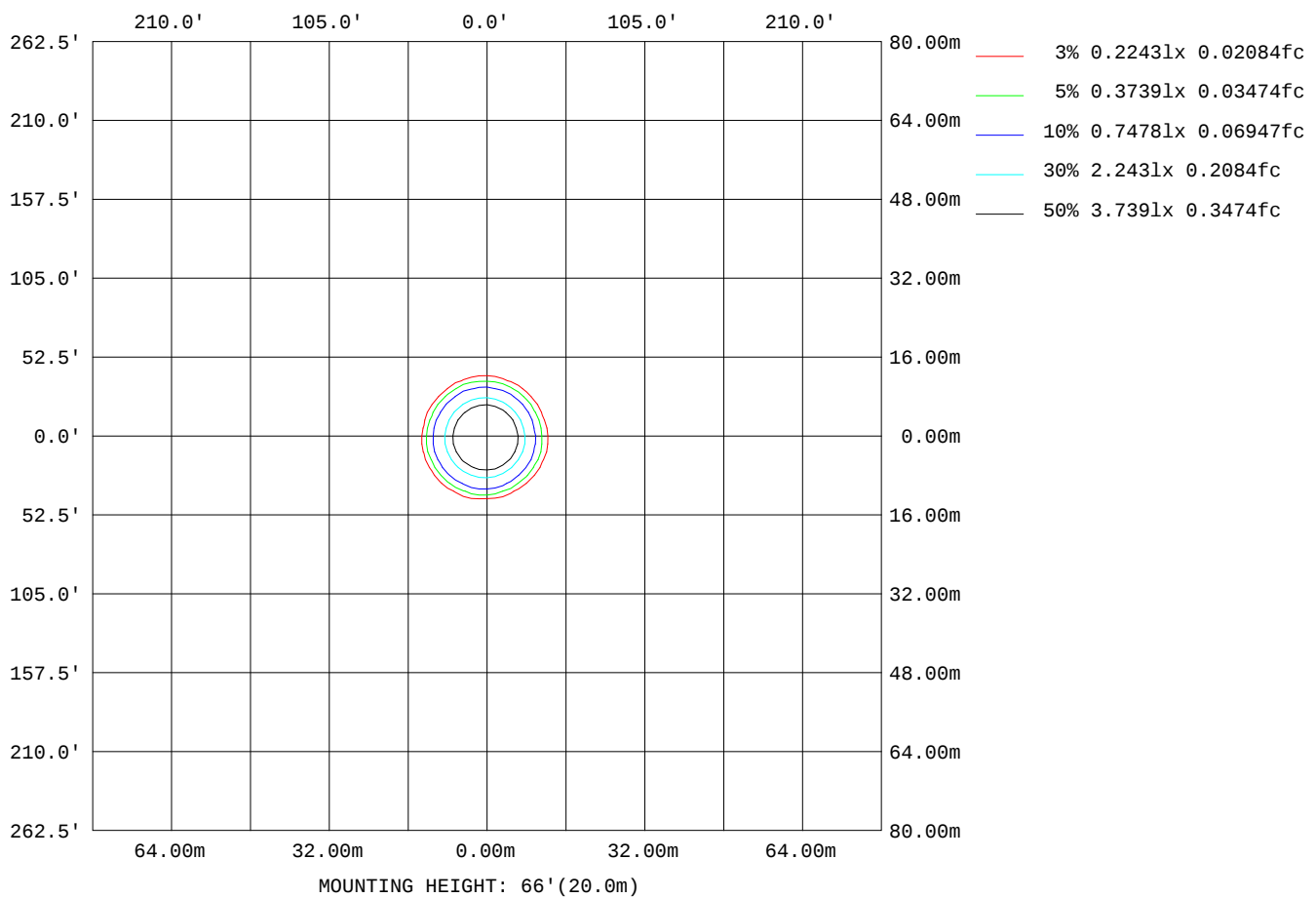
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA03-15W	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: 2021-08-09

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-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

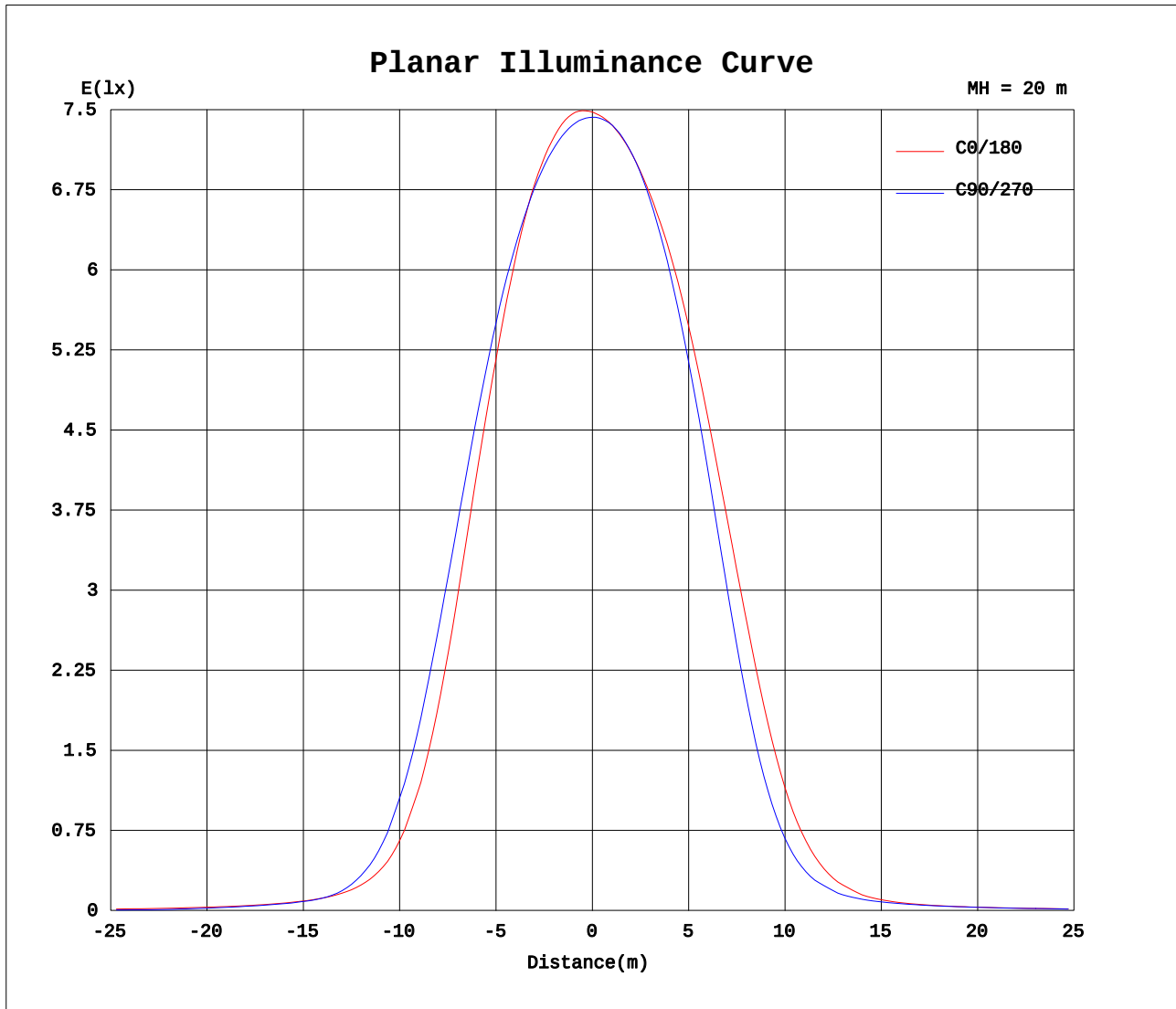
AvgL	cd/m2
L_0~180(65)av	21771
L_0~180(75)av	11254
L_0~180(85)av	6808
L_90~270(65)av	15877
L_90~270(75)av	10823
L_90~270(85)av	10734
L_45(65)av	23478
L_45(75)av	13534
L_45(85)av	10297

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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: 2021-08-09

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-VF62RA03-15W	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	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974	2974
5	2945	2955	2953	2952	2939	2932	2919	2914	2901	2896	2889	2891	2889	2892	2899	2898	2903	2902	2910
10	2693	2722	2721	2739	2727	2736	2723	2729	2709	2706	2688	2694	2684	2683	2693	2676	2674	2652	2654
15	2117	2168	2185	2250	2268	2317	2310	2336	2324	2343	2323	2327	2286	2251	2245	2200	2192	2141	2128
20	1258	1334	1368	1463	1503	1591	1610	1667	1661	1704	1686	1696	1632	1566	1542	1462	1430	1342	1310
25	519	558	586	646	675	760	792	865	872	923	904	917	852	792	762	686	646	576	536
30	180	195	198	215	217	245	264	299	313	339	337	342	312	283	266	232	215	186	176
35	85.1	89.8	89.7	89.8	79.8	79.4	85.5	101	106	113	114	115	106	99.5	95.0	86.9	84.8	79.2	77.4
40	52.4	54.0	53.7	53.8	50.4	43.3	47.7	53.5	54.5	55.1	54.9	55.3	53.7	52.2	51.2	49.5	50.4	49.2	49.1
45	35.7	36.2	36.1	37.2	36.1	21.3	26.3	35.9	36.2	36.2	36.1	36.2	35.9	35.1	35.2	35.0	35.8	35.3	34.8
50	25.0	25.3	25.6	26.7	26.2	13.6	10.4	26.1	26.9	27.1	27.2	27.3	27.1	26.3	26.2	26.2	26.8	26.3	25.6
55	17.6	18.0	18.4	19.4	18.6	7.68	7.03	18.8	20.0	20.3	20.4	20.5	20.2	19.6	19.5	19.3	19.7	19.3	18.6
60	11.6	12.2	13.1	14.1	13.1	5.13	4.75	13.5	14.7	14.9	14.9	15.0	14.8	14.4	14.3	14.2	14.3	14.0	13.4
65	7.06	7.59	8.54	9.53	8.79	3.78	3.60	9.43	10.5	10.6	10.5	10.6	10.4	10.1	10.1	9.94	10.0	9.64	9.16
70	4.53	4.86	5.04	5.61	5.14	2.82	2.88	5.67	6.28	6.43	6.28	6.37	6.22	6.07	6.13	5.96	6.02	5.68	5.41
75	2.15	2.87	3.15	3.42	3.17	1.97	2.08	3.48	3.70	3.66	3.49	3.35	3.39	3.53	3.61	3.60	3.56	3.35	3.25
80	1.00	1.45	1.77	1.90	1.77	1.26	1.39	1.97	1.97	1.91	1.65	1.35	1.35	1.65	1.90	1.88	1.89	1.79	1.74
85	0.50	0.55	0.65	0.87	0.99	0.89	0.94	1.21	1.12	1.04	0.87	0.64	0.63	0.93	1.14	1.12	1.12	0.96	0.84
90	0.47	0.51	0.58	0.59	0.65	0.63	0.63	0.56	0.52	0.44	0.38	0.39	0.54	0.42	0.68	0.71	0.71	0.67	0.64
95	0.46	0.50	0.56	0.49	0.63	0.62	0.62	0.56	0.49	0.41	0.37	0.40	0.57	0.51	0.69	0.75	0.64	0.66	0.64
100	0.42	0.43	0.42	0.45	0.47	0.45	0.46	0.44	0.43	0.44	0.40	0.45	0.40	0.47	0.40	0.39	0.66	0.74	0.40
105	0.48	0.50	0.60	0.57	0.52	0.62	0.50	0.57	0.50	0.47	0.45	0.49	0.47	0.64	0.47	0.44	0.44	0.57	0.49
110	0.61	0.61	0.70	0.73	0.72	0.64	0.59	0.59	0.60	0.60	0.57	0.61	0.58	0.90	0.59	0.55	0.55	0.54	0.57
115	0.97	0.93	0.92	0.97	0.94	0.92	0.87	0.83	0.77	0.81	0.76	0.80	0.82	0.95	0.82	0.82	0.82	0.86	0.89
120	1.79	1.68	1.65	1.60	1.58	1.47	1.42	1.32	1.29	1.32	1.28	1.29	1.36	1.43	1.42	1.49	1.51	1.63	1.66
125	3.19	3.06	2.99	2.84	2.79	2.64	2.57	2.43	2.43	2.30	2.36	2.38	2.51	2.60	2.65	2.76	2.84	3.00	3.07
130	5.23	5.06	4.98	4.75	4.66	4.45	4.37	4.22	4.20	4.05	4.09	4.12	4.30	4.45	4.50	4.69	4.77	5.00	5.08
135	7.75	7.55	7.47	7.20	7.10	6.83	6.75	6.54	6.52	6.39	6.45	6.40	6.67	6.85	6.92	7.15	7.24	7.51	7.60
140	10.6	10.4	10.3	10.0	9.88	9.61	9.53	9.30	9.28	9.13	9.25	9.16	9.43	9.63	9.70	9.95	10.1	10.4	10.5
145	13.5	13.3	13.2	12.9	12.8	12.6	12.5	12.2	12.2	12.1	12.2	12.1	12.4	12.6	12.6	12.9	13.0	13.3	13.5
150	16.0	15.9	15.8	15.6	15.5	15.3	15.2	15.1	15.0	14.9	14.9	14.9	15.2	15.4	15.4	15.6	15.8	16.1	16.2
155	17.6	17.5	17.5	17.4	17.4	17.3	17.3	17.2	17.2	17.1	17.1	17.1	17.3	17.4	17.5	17.6	17.8	17.9	18.0
160	17.9	17.9	17.9	18.1	18.2	18.2	18.2	18.3	18.3	18.3	18.1	18.1	18.2	18.2	18.3	18.4	18.5	18.6	18.6
165	17.1	17.2	17.2	17.5	17.7	18.0	18.1	18.2	18.1	18.0	17.9	17.9	17.9	18.0	17.9	17.9	17.9	18.0	17.9
170	16.0	16.0	16.1	16.2	16.4	16.6	16.7	16.8	16.7	16.8	16.9	16.9	16.9	16.9	16.9	16.7	16.6	16.5	16.5
175	15.4	15.5	15.5	15.8	15.8	15.7	15.7	15.7	15.9	16.1	16.1	16.0	16.0	16.1	16.2	16.2	16.0	15.8	15.7
180	15.8	15.8	15.9	16.1	15.9	15.8	15.8	15.7	15.8	16.0	15.9	15.7	15.9	15.8	15.9	16.1	15.9	15.8	15.8

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA03-15W	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	2974	2974	2974	2974	2974														
5	2910	2919	2922	2931	2929														
10	2640	2653	2639	2658	2655														
15	2075	2079	2048	2077	2063														
20	1226	1213	1161	1191	1179														
25	492	477	451	464	459														
30	165	167	161	166	165														
35	77.4	79.5	77.6	80.2	80.7														
40	48.5	49.6	48.8	50.0	50.2														
45	33.7	33.7	33.6	34.6	34.4														
50	24.3	23.8	23.6	24.4	24.2														
55	17.6	17.1	16.8	17.2	17.0														
60	12.6	12.3	11.9	12.0	11.3														
65	8.46	8.14	7.68	7.64	6.79														
70	4.99	4.78	4.47	4.44	4.10														
75	3.06	2.93	2.64	2.41	1.92														
80	1.64	1.55	1.41	1.23	0.81														
85	0.64	0.53	0.39	0.36	0.32														
90	0.57	0.52	0.39	0.35	0.32														
95	0.59	0.50	0.41	0.39	0.35														
100	0.66	0.55	0.40	0.42	0.41														
105	0.53	0.50	0.47	0.49	0.47														
110	0.57	0.61	0.62	0.65	0.63														
115	0.93	0.96	1.01	1.04	1.02														
120	1.76	1.79	1.89	1.87	1.89														
125	3.19	3.24	3.34	3.33	3.34														
130	5.26	5.28	5.42	5.36	5.40														
135	7.79	7.82	7.97	7.91	7.95														
140	10.7	10.7	10.9	10.8	10.8														
145	13.7	13.7	13.8	13.7	13.7														
150	16.3	16.3	16.3	16.3	16.2														
155	18.0	18.0	17.9	17.8	17.8														
160	18.5	18.4	18.3	18.0	17.9														
165	17.7	17.6	17.3	17.2	17.1														
170	16.3	16.2	16.0	15.9	15.9														
175	15.7	15.8	15.7	15.5	15.4														
180	15.7	15.8	16.0	15.9	15.7														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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: