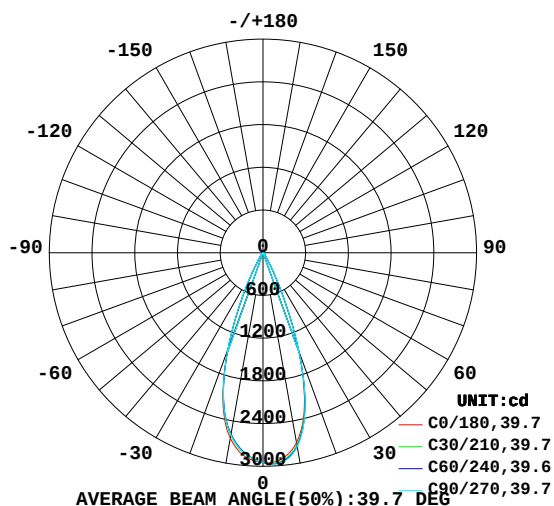


LUMINAIRE PHOTOMETRIC TEST REPORT

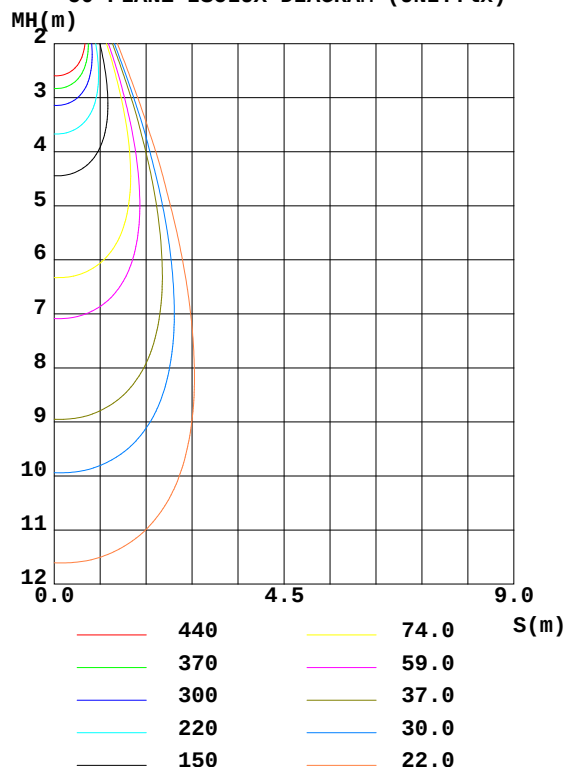
NAME: VM060-VF62RF03-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.15 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	2974	S/MH(C0/180)	0.60
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.61
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1321.1	η UP, DN(C0-180)	1.2, 49.9
NOMINAL FLUX(lm)	1321.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 47.7
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: 2021-08-10

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:

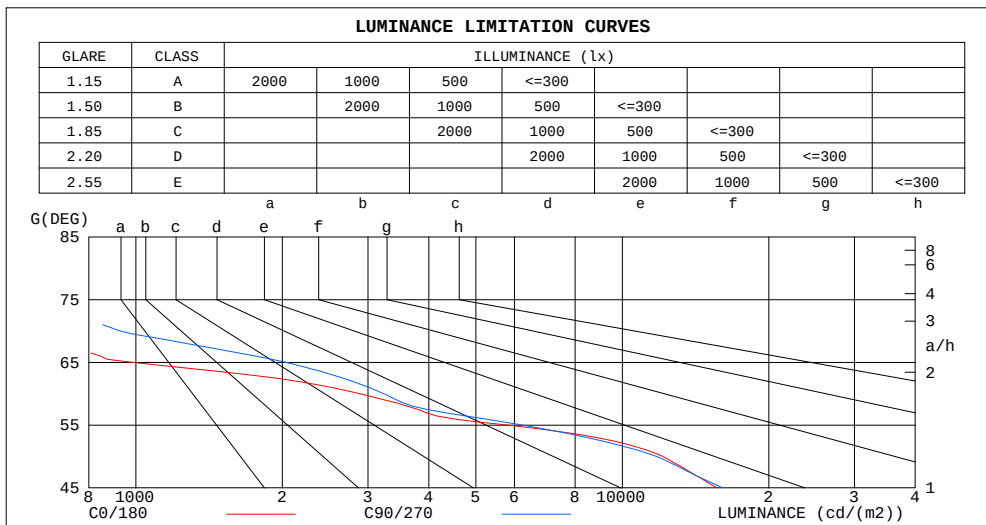
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2708	2764	2767	2743	2644	2586	2598	2649	0- 10	269.8	269.8	20.4, 20.4
20	1472	1504	1480	1511	1438	1414	1440	1424	10- 20	594.8	864.6	65.4, 65.4
30	208.1	238.1	223.9	225.6	207.7	221.7	227.5	211.4	20- 30	319.3	1184	89.6, 89.6
40	53.27	58.84	58.29	55.12	49.89	46.85	47.37	49.23	30- 40	62.46	1246	94.3, 94.3
50	25.71	25.73	25.08	25.34	24.49	22.85	23.27	23.74	40- 50	27.79	1274	96.5, 96.5
60	4.763	5.818	5.364	5.536	4.855	5.088	5.293	5.519	50- 60	11.59	1286	97.3, 97.3
70	0.2222	1.196	1.052	0.9624	0.3377	0.6825	0.7079	0.8168	60- 70	2.670	1288	97.5, 97.5
80	0.2374	0.2448	0.2387	0.2592	0.2353	0.2095	0.2088	0.2042	70- 80	0.3590	1289	97.6, 97.6
90	0.2689	0.2912	0.2687	0.2979	0.2616	0.2602	0.2631	0.2458	80- 90	0.2717	1289	97.6, 97.6
100	0.3407	0.3508	0.3425	0.3544	0.3498	0.3329	0.3560	0.3232	90-100	0.3289	1289	97.6, 97.6
110	0.5050	0.5010	0.4970	0.5075	0.5279	0.5291	0.5464	0.5181	100-110	0.4353	1290	97.6, 97.6
120	1.434	1.413	1.461	1.403	1.484	1.540	1.507	1.526	110-120	0.8444	1291	97.7, 97.7
130	4.610	4.537	4.628	4.556	4.715	4.804	4.754	4.780	120-130	2.541	1293	97.9, 97.9
140	9.807	9.680	9.806	9.735	9.960	10.11	10.02	10.03	130-140	5.488	1299	98.3, 98.3
150	15.34	15.22	15.43	15.37	15.62	15.66	15.65	15.55	140-150	7.945	1307	98.9, 98.9
160	17.72	17.99	18.16	18.29	18.13	18.31	18.29	18.05	150-160	7.918	1315	99.5, 99.5
170	16.13	16.11	16.46	16.48	16.51	16.50	16.42	16.11	160-170	4.981	1320	99.9, 99.9
180	15.81	16.01	15.70	16.01	15.83	16.00	15.70	16.01	170-180	1.519	1321	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-EF62RF03-15W	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	879	825
80	414	414
75	273	260
70	197	927
65	981	2032
60	2886	3232
55	5804	6230
50	12118	11756
45	15682	16081

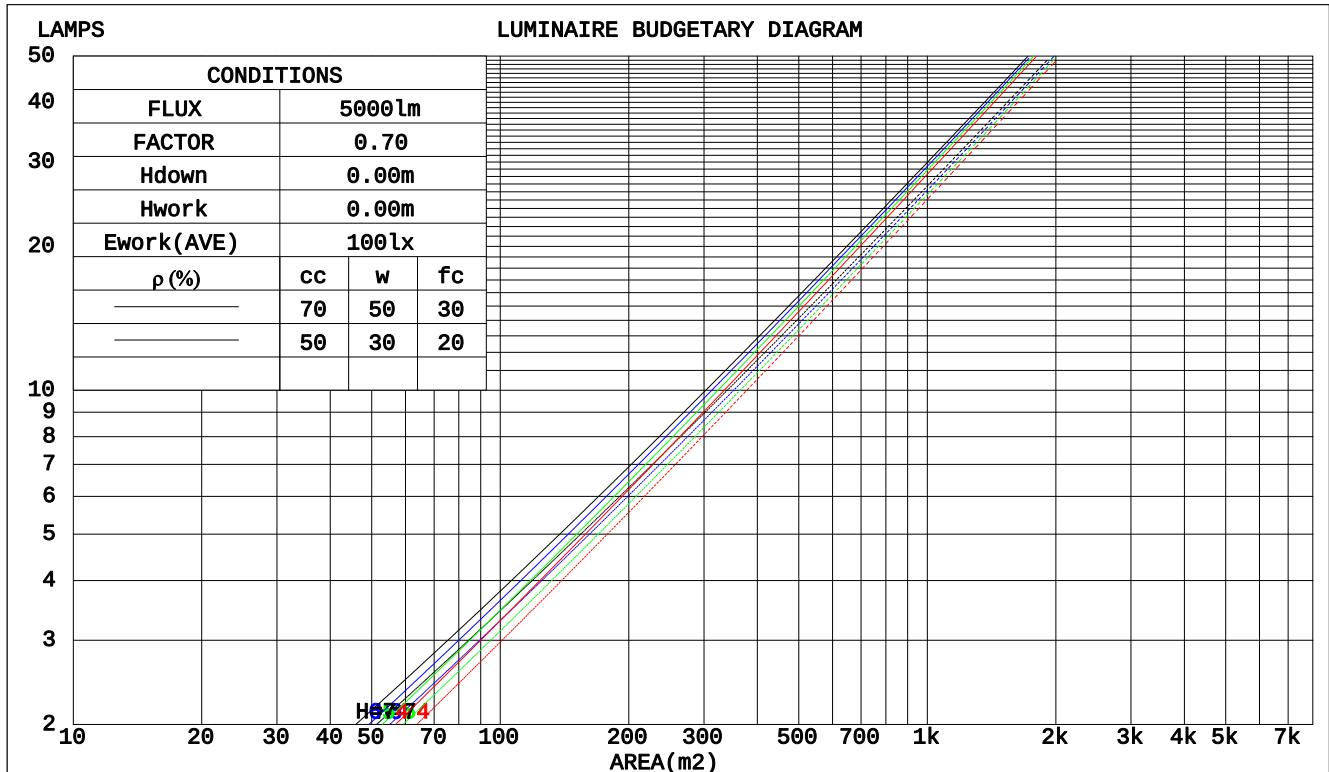
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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: VM060-VF62RF03-15W	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	1.05	1.03	1.02	1.01	.99	.98	.97	.96	.95	.93
2.0	1.05	1.02	.99	1.03	1.00	.98	.00	.97	.95	.96	.95	.93	.93	.92	.91	.89
3.0	.00	.96	.92	.98	.94	.91	.95	.92	.90	.93	.90	.88	.90	.88	.86	.85
4.0	.95	.90	.87	.94	.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	.81	.78	.85	.81	.78	.84	.80	.77	.82	.79	.76	.81	.78	.76	.74
7.0	.83	.78	.74	.82	.77	.74	.81	.76	.74	.79	.76	.73	.78	.75	.73	.71
8.0	.79	.74	.71	.79	.74	.71	.77	.73	.70	.76	.73	.70	.75	.72	.70	.69
9.0	.76	.71	.68	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.69	.67	.66
10.0	.73	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.70	.67	.65	.63



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-VF62RF03-15W	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	.154	.088	.028	.147	.084	.027	.133	.076	.024	.120	.069	.022	.109	.063	.020		
2.0	.145	.079	.024	.138	.076	.023	.127	.071	.022	.116	.065	.020	.106	.060	.019		
3.0	.136	.072	.022	.131	.070	.021	.121	.065	.020	.112	.061	.019	.103	.057	.018		
4.0	.128	.067	.020	.124	.065	.019	.115	.061	.018	.107	.058	.017	.100	.054	.017		
5.0	.122	.062	.018	.118	.060	.018	.110	.057	.017	.103	.055	.016	.097	.052	.016		
6.0	.116	.058	.017	.112	.057	.016	.106	.054	.016	.100	.052	.015	.094	.049	.015		
7.0	.110	.054	.015	.107	.053	.015	.101	.051	.015	.096	.049	.014	.091	.047	.014		
8.0	.105	.051	.014	.103	.051	.014	.097	.049	.014	.093	.047	.014	.088	.045	.013		
9.0	.101	.049	.014	.098	.048	.013	.094	.046	.013	.089	.045	.013	.085	.043	.013		
10.0	.097	.046	.013	.095	.046	.013	.090	.044	.012	.086	.043	.012	.083	.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	.188	.176	.165	.161	.151	.142	.110	.104	.098	.063	.060	.057	.020	.019	.019	
2.0	.171	.151	.135	.147	.130	.116	.101	.090	.081	.058	.052	.048	.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	.014	.010	.008	
8.0	.115	.081	.058	.099	.070	.051	.068	.049	.036	.040	.029	.021	.013	.010	.007	
9.0	.110	.076	.053	.094	.066	.046	.065	.046	.033	.038	.027	.020	.012	.009	.006	
10.0	.105	.071	.049	.090	.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:2021-08-10

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-VF62RF03-15W						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	12.0	12.7	12.2	12.9	13.1	12.2	13.0	12.5	13.2	13.4	
3H	11.8	12.5	12.1	12.7	13.0	12.1	12.8	12.4	13.0	13.2	
4H	11.7	12.4	12.0	12.6	12.9	12.0	12.7	12.3	12.9	13.2	
6H	11.6	12.3	12.0	12.5	12.8	11.9	12.5	12.2	12.8	13.1	
8H	11.6	12.2	11.9	12.5	12.8	11.9	12.5	12.2	12.8	13.1	
12H	11.5	12.1	11.9	12.4	12.7	11.8	12.4	12.2	12.7	13.0	
4H 2H	11.8	12.5	12.1	12.7	13.0	12.0	12.7	12.4	13.0	13.2	
3H	11.6	12.2	12.0	12.5	12.8	11.9	12.5	12.3	12.8	13.1	
4H	11.5	12.1	11.9	12.4	12.8	11.8	12.3	12.2	12.7	13.0	
6H	11.4	11.9	11.9	12.3	12.7	11.7	12.2	12.1	12.5	12.9	
8H	11.4	11.8	11.8	12.2	12.6	11.7	12.1	12.1	12.5	12.9	
12H	11.3	11.7	11.8	12.1	12.6	11.6	12.0	12.1	12.4	12.8	
8H 4H	11.4	11.8	11.8	12.2	12.6	11.7	12.1	12.1	12.5	12.9	
6H	11.3	11.6	11.7	12.1	12.5	11.5	11.9	12.0	12.3	12.8	
8H	11.2	11.5	11.7	12.0	12.5	11.5	11.8	12.0	12.3	12.7	
12H	11.2	11.4	11.7	11.9	12.4	11.4	11.7	11.9	12.2	12.7	
12H 4H	11.3	11.7	11.8	12.1	12.6	11.6	12.0	12.0	12.4	12.8	
6H	11.2	11.5	11.7	12.0	12.5	11.5	11.8	12.0	12.3	12.7	
8H	11.2	11.4	11.7	11.9	12.4	11.4	11.7	11.9	12.2	12.7	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.2 / - 6.0					+ 2.3 / - 5.8					
1.5H	+ 2.1 / - 3.6					+ 2.7 / - 4.1					
2.0H	+ 4.1 / - 6.2					+ 4.2 / - 6.1					

CIE Pub.117, 1321 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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

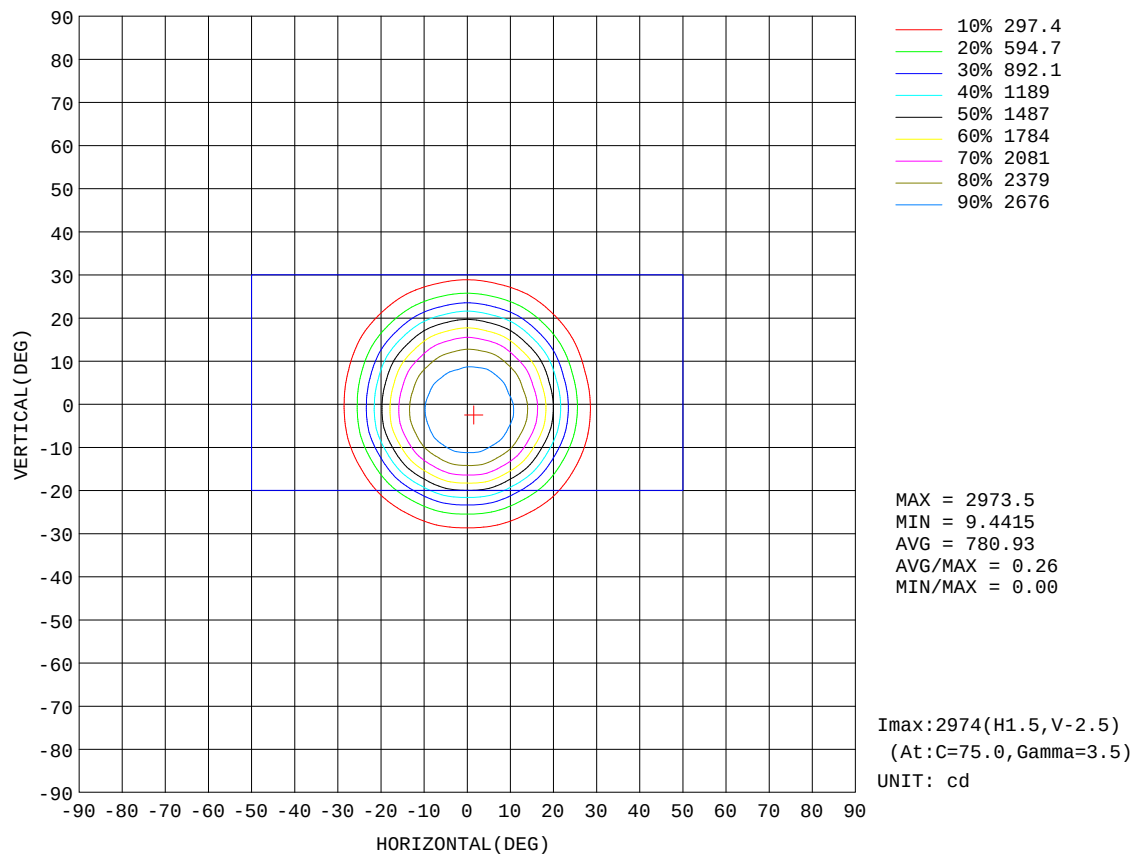
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	87	82	78	87	81	78	74
0.80	95	90	86	94	89	86	93	88	85	82
1.00	99	94	91	98	93	90	97	93	90	85
1.25	103	98	95	102	98	94	100	96	93	89
1.50	106	101	98	104	100	97	102	99	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	94
3.00	111	108	105	109	107	104	106	103	102	95
4.00	113	111	109	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-VF62RF03-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

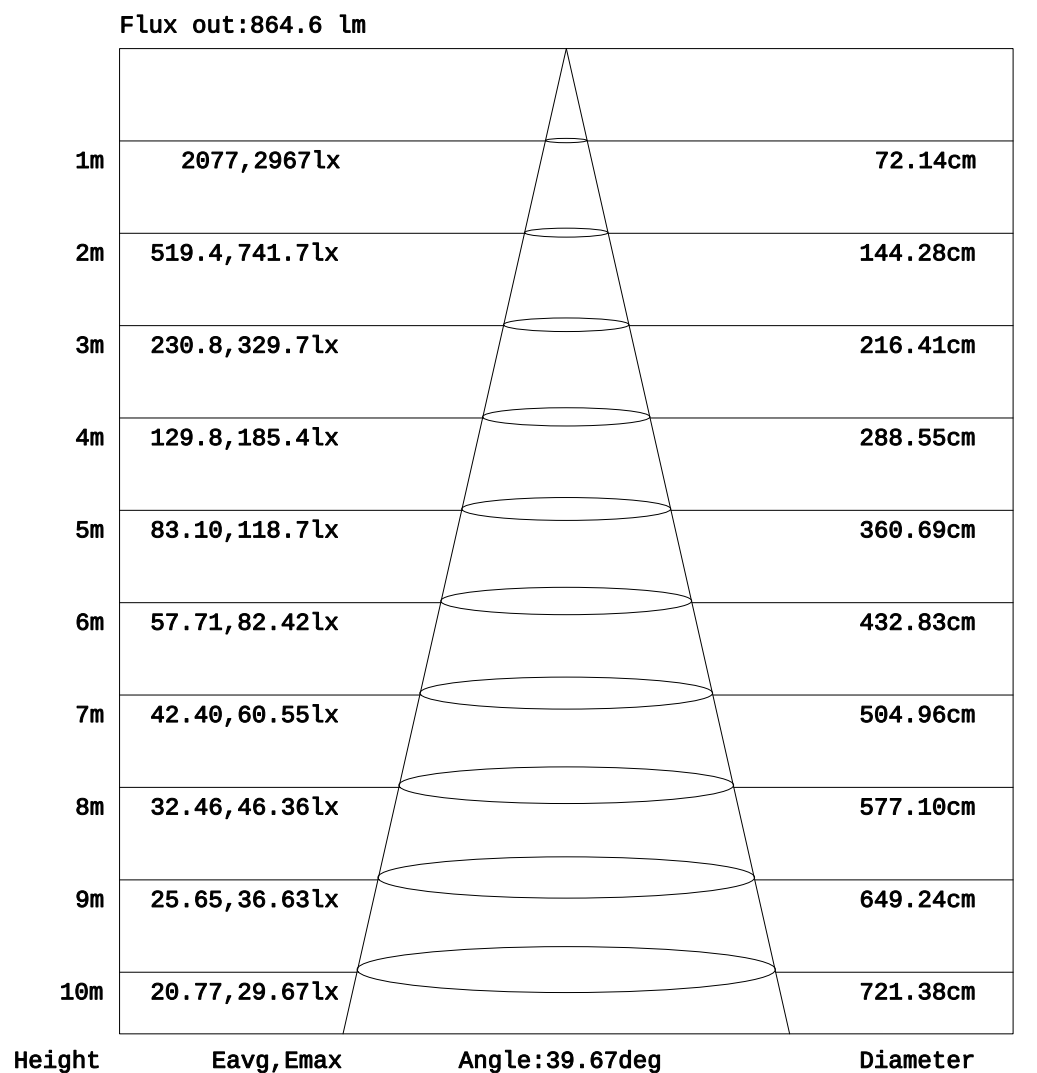


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-10

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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



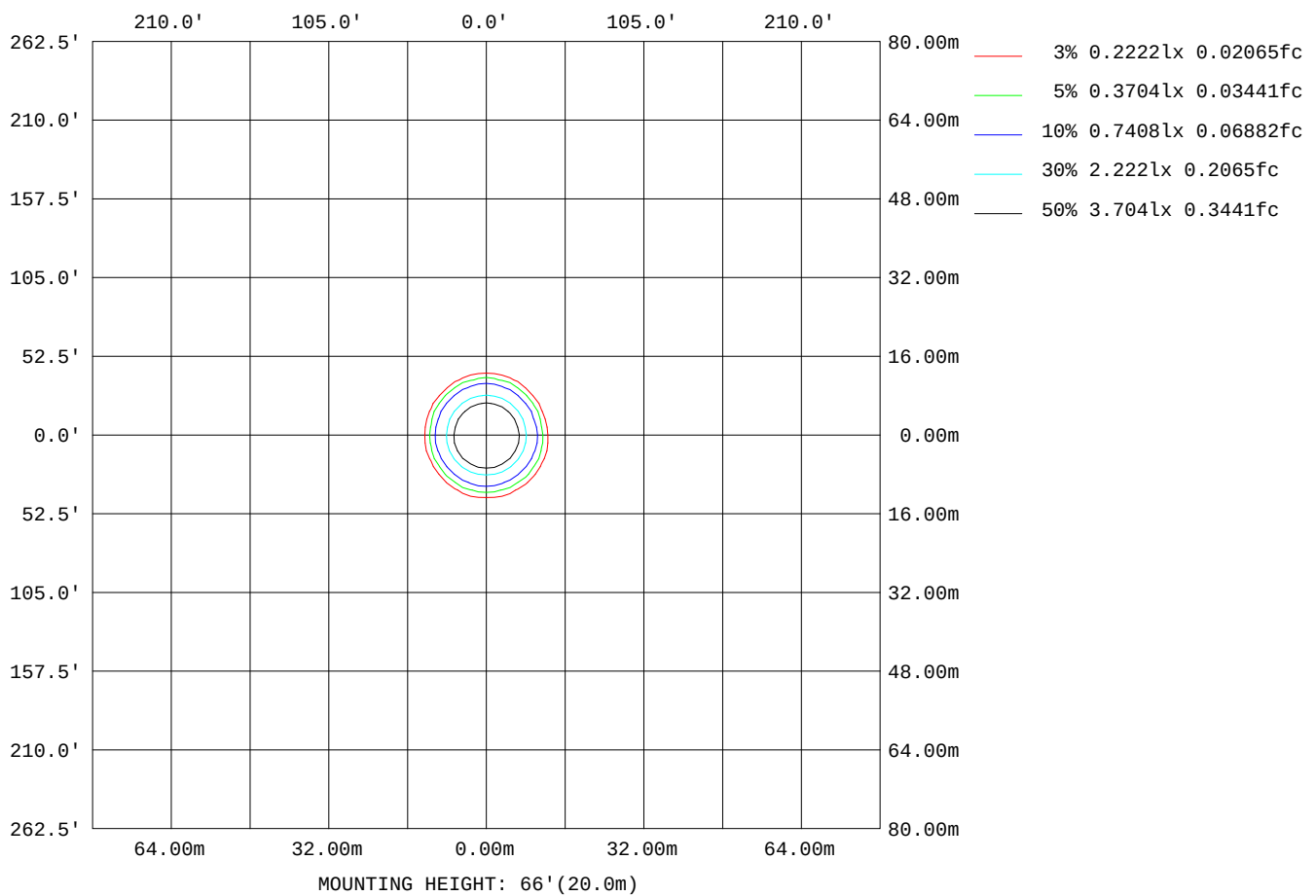
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF62RF03-15W	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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

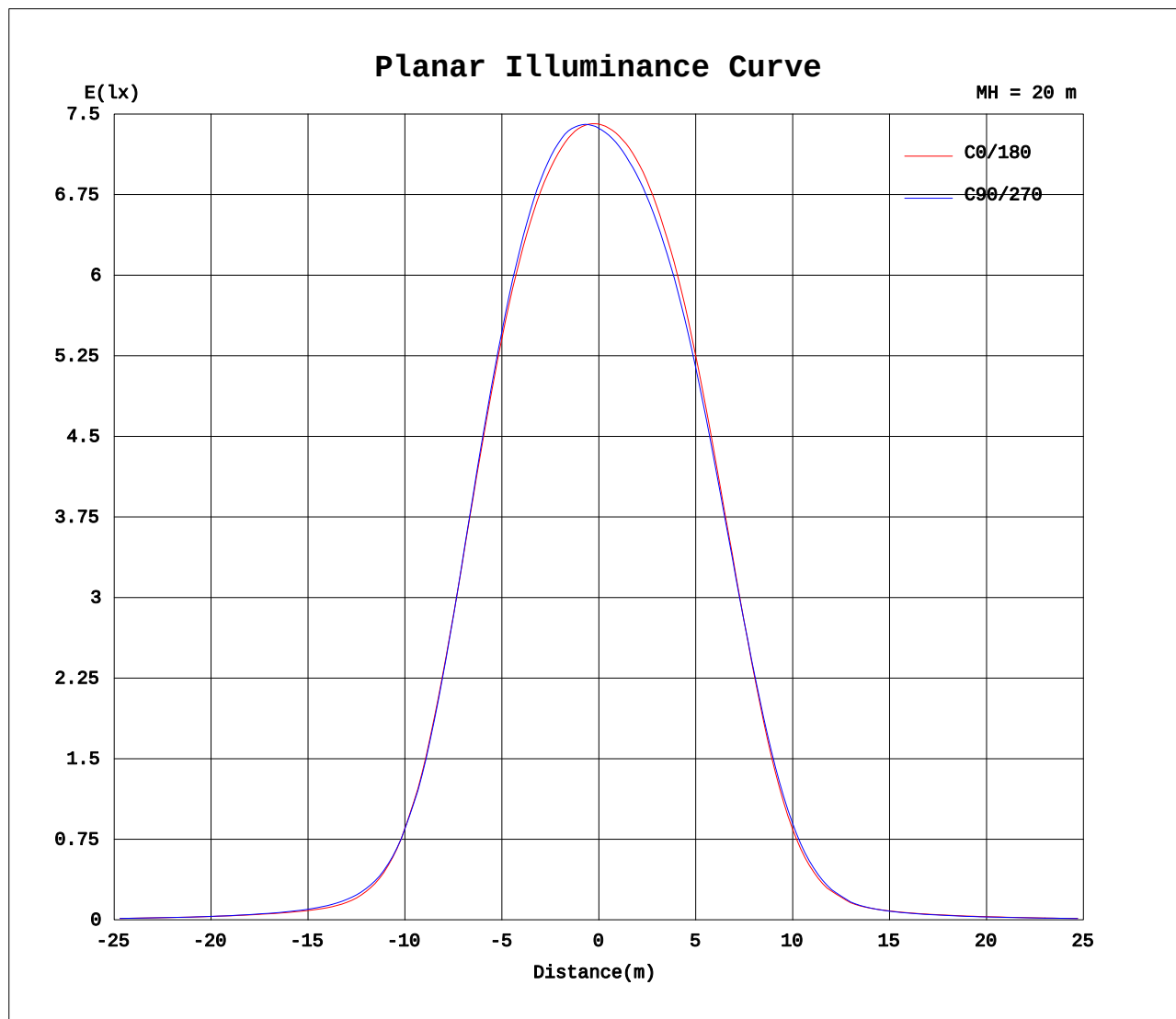
AvgL	cd/m2
L_0~180(65)av	1051
L_0~180(75)av	265
L_0~180(85)av	875
L_90~270(65)av	1958
L_90~270(75)av	242
L_90~270(85)av	807
L_45(65)av	1979
L_45(75)av	262
L_45(85)av	886

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-VF62RF03-15W	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	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949	2949
5	2913	2932	2937	2950	2951	2961	2961	2959	2944	2932	2911	2897	2874	2853	2845	2831	2829	2825	2836
10	2708	2739	2740	2764	2759	2778	2767	2777	2752	2743	2703	2686	2644	2616	2609	2586	2584	2576	2598
15	2245	2279	2269	2299	2279	2306	2283	2296	2267	2278	2239	2237	2177	2141	2149	2122	2137	2120	2144
20	1472	1503	1471	1504	1477	1514	1480	1510	1482	1511	1479	1499	1438	1411	1437	1414	1437	1415	1440
25	655	678	655	678	647	671	648	677	657	685	661	688	656	651	684	666	689	669	688
30	208	225	227	238	226	233	224	232	224	226	212	218	208	208	225	222	230	220	228
35	83.0	88.8	94.6	100	97.4	101	97.7	99.1	95.0	91.6	84.8	83.9	80.0	78.6	81.3	80.4	80.6	79.4	81.0
40	53.3	55.5	57.0	58.8	57.7	59.4	58.3	59.0	56.8	55.1	52.4	51.8	49.9	48.0	47.7	46.9	46.6	46.4	47.4
45	36.6	37.5	37.3	38.0	37.5	38.2	37.7	38.0	37.0	36.7	35.9	35.7	34.6	33.2	32.7	31.9	31.8	31.7	32.3
50	25.7	25.9	25.4	25.7	25.2	25.5	25.1	25.2	24.9	25.3	25.1	25.4	24.5	23.5	23.2	22.8	23.0	23.0	23.3
55	11.0	13.2	12.7	12.8	12.2	12.4	11.9	12.0	11.8	12.4	12.4	12.8	12.0	11.6	12.0	11.7	12.2	12.1	12.5
60	4.76	5.57	5.80	5.82	5.58	5.56	5.36	5.40	5.36	5.54	5.46	5.30	4.85	4.98	5.16	5.09	5.19	5.15	5.29
65	1.37	2.48	3.05	3.12	2.98	3.02	2.85	2.85	2.71	2.80	2.67	2.37	1.58	2.06	2.53	2.45	2.56	2.51	2.64
70	0.22	0.70	1.06	1.20	1.12	1.11	1.05	1.02	0.98	0.96	0.91	0.69	0.34	0.58	0.72	0.68	0.68	0.66	0.71
75	0.23	0.23	0.23	0.23	0.22	0.21	0.22	0.22	0.24	0.27	0.25	0.27	0.22	0.22	0.21	0.21	0.20	0.19	0.19
80	0.24	0.25	0.24	0.24	0.24	0.23	0.24	0.24	0.24	0.26	0.24	0.26	0.24	0.24	0.23	0.21	0.22	0.20	0.21
85	0.25	0.27	0.24	0.26	0.24	0.25	0.24	0.26	0.25	0.28	0.27	0.28	0.25	0.24	0.25	0.24	0.24	0.23	0.23
90	0.27	0.30	0.28	0.29	0.27	0.28	0.27	0.29	0.27	0.30	0.29	0.31	0.26	0.27	0.28	0.26	0.26	0.25	0.26
95	0.30	0.31	0.30	0.32	0.29	0.31	0.30	0.31	0.30	0.33	0.31	0.31	0.30	0.28	0.30	0.29	0.30	0.28	0.30
100	0.34	0.35	0.33	0.35	0.33	0.35	0.34	0.35	0.34	0.35	0.34	0.36	0.35	0.33	0.35	0.33	0.35	0.33	0.36
105	0.39	0.41	0.39	0.40	0.38	0.40	0.39	0.41	0.39	0.41	0.39	0.41	0.42	0.40	0.42	0.41	0.42	0.41	0.42
110	0.50	0.50	0.49	0.50	0.49	0.50	0.50	0.51	0.49	0.51	0.49	0.50	0.53	0.52	0.54	0.53	0.54	0.53	0.55
115	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.76	0.76	0.75	0.75	0.80	0.81	0.81	0.83	0.82	0.83	0.82
120	1.43	1.40	1.45	1.41	1.46	1.42	1.46	1.42	1.45	1.40	1.43	1.39	1.48	1.53	1.50	1.54	1.50	1.55	1.51
125	2.70	2.67	2.70	2.68	2.72	2.70	2.73	2.70	2.71	2.68	2.70	2.66	2.80	2.84	2.81	2.85	2.82	2.86	2.82
130	4.61	4.54	4.59	4.54	4.61	4.55	4.63	4.56	4.62	4.56	4.62	4.55	4.72	4.79	4.73	4.80	4.75	4.82	4.75
135	7.04	6.94	6.99	6.92	7.01	6.94	7.04	6.95	7.04	6.96	7.06	6.98	7.16	7.26	7.18	7.30	7.21	7.31	7.22
140	9.81	9.70	9.76	9.68	9.77	9.71	9.81	9.73	9.81	9.73	9.83	9.77	9.96	10.1	9.99	10.1	10.0	10.1	10.0
145	12.7	12.6	12.7	12.6	12.7	12.6	12.7	12.7	12.7	12.7	12.8	12.7	12.9	13.0	12.9	13.0	12.9	13.0	12.9
150	15.3	15.2	15.3	15.2	15.3	15.3	15.4	15.4	15.4	15.4	15.5	15.4	15.6	15.7	15.6	15.7	15.6	15.7	15.7
155	17.2	17.1	17.2	17.2	17.2	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.5	17.6	17.5	17.6	17.6	17.7	17.6
160	17.7	17.7	17.7	18.0	18.0	18.1	18.2	18.2	18.2	18.3	18.1	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.3
165	17.2	17.2	17.2	17.4	17.6	17.8	17.9	17.9	17.8	17.7	17.7	17.7	17.6	17.7	17.7	17.7	17.7	17.8	17.8
170	16.1	16.1	16.0	16.1	16.2	16.4	16.5	16.5	16.4	16.5	16.6	16.6	16.5	16.6	16.6	16.5	16.4	16.4	16.4
175	15.5	15.5	15.5	15.7	15.7	15.6	15.5	15.6	15.7	16.0	16.0	15.9	15.8	15.9	16.0	16.1	15.8	15.7	15.6
180	15.8	15.8	15.8	16.0	15.8	15.7	15.7	15.7	15.8	16.0	15.9	15.8	15.8	15.8	15.8	16.0	15.8	15.7	15.7

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-VF62RF03-15W	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	2949	2949	2949	2949	2949														
5	2845	2859	2869	2887	2896														
10	2608	2640	2649	2672	2676														
15	2136	2171	2162	2199	2195														
20	1416	1444	1424	1454	1429														
25	667	685	657	666	633														
30	218	225	211	209	193														
35	79.4	83.3	80.8	79.0	77.9														
40	47.0	48.9	49.2	50.0	50.1														
45	32.2	33.1	33.7	34.6	34.8														
50	23.1	23.6	23.7	24.4	24.5														
55	12.1	12.6	12.3	12.6	12.1														
60	5.26	5.45	5.52	5.65	4.95														
65	2.60	2.75	2.73	2.84	1.96														
70	0.71	0.80	0.82	0.86	0.54														
75	0.19	0.23	0.20	0.20	0.20														
80	0.19	0.21	0.20	0.21	0.21														
85	0.22	0.23	0.24	0.24	0.24														
90	0.24	0.26	0.25	0.27	0.24														
95	0.27	0.29	0.29	0.29	0.27														
100	0.33	0.35	0.32	0.34	0.32														
105	0.41	0.41	0.39	0.41	0.39														
110	0.53	0.54	0.52	0.52	0.51														
115	0.82	0.82	0.81	0.79	0.80														
120	1.54	1.50	1.53	1.48	1.52														
125	2.85	2.81	2.83	2.79	2.82														
130	4.81	4.73	4.78	4.70	4.76														
135	7.29	7.17	7.24	7.14	7.20														
140	10.1	9.96	10.0	9.92	9.99														
145	13.0	12.9	12.9	12.8	12.9														
150	15.7	15.5	15.6	15.5	15.5														
155	17.6	17.5	17.4	17.3	17.3														
160	18.2	18.2	18.1	17.9	17.8														
165	17.7	17.6	17.4	17.3	17.3														
170	16.3	16.3	16.1	16.1	16.1														
175	15.6	15.8	15.8	15.5	15.5														
180	15.7	15.8	16.0	15.9	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: