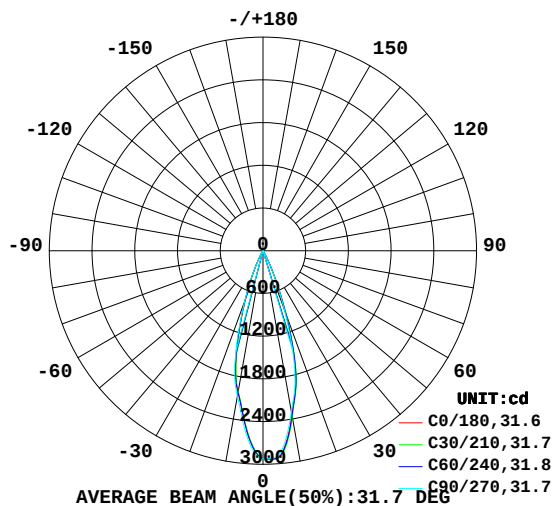


LUMINAIRE PHOTOMETRIC TEST REPORT

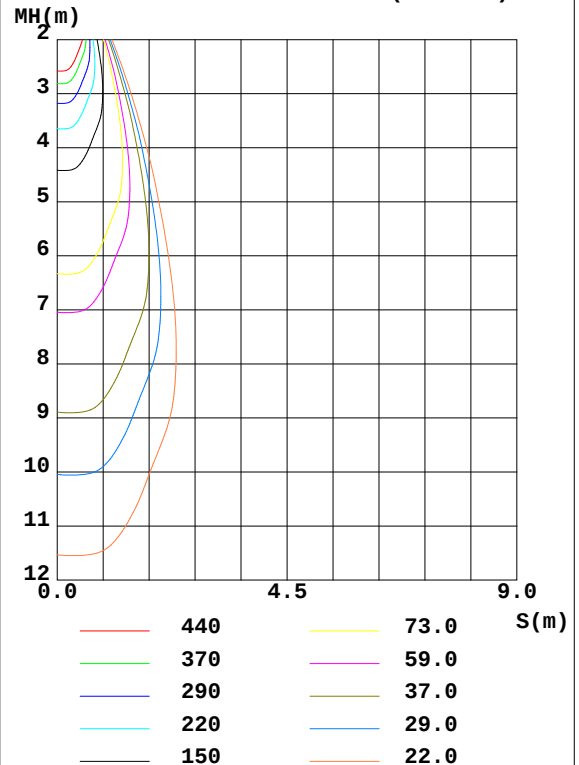
NAME: VM060-VF62RA04-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 63.82 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	2934	S/MH(C0/180)	0.48
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.49
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	858.24	η UP, DN(C0-180)	1.2, 51.5
NOMINAL FLUX(lm)	858.243	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 46.1
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.50

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:

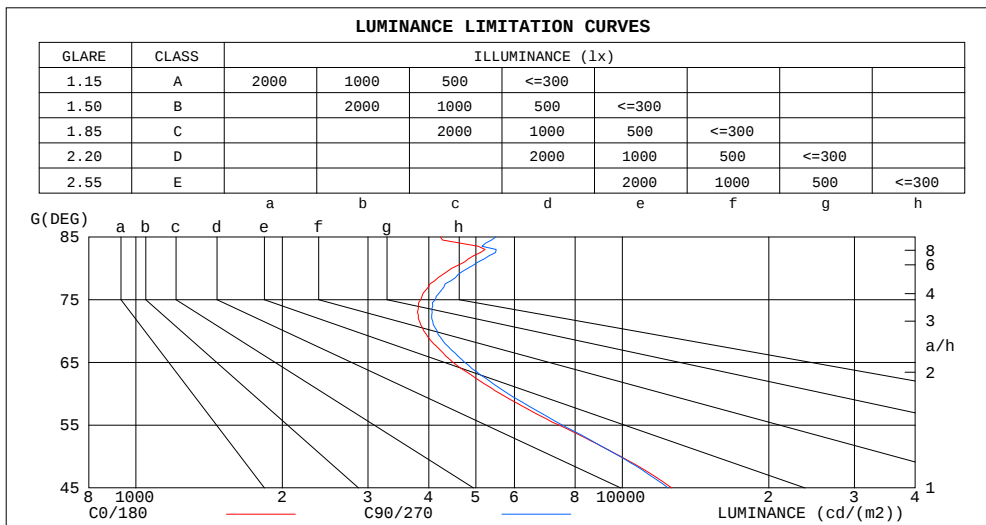
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2338	2390	2295	2168	2017	1999	2073	2188	0- 10	241.2	241.2	28.1, 28.1
20	939.9	975.7	882.7	823.3	726.1	710.1	749.8	778.9	10- 20	421.1	662.3	77.2, 77.2
30	72.20	72.45	67.88	71.49	66.66	65.19	59.25	59.70	20- 30	149.2	811.5	94.6, 94.6
40	9.343	9.018	8.970	9.449	9.887	10.15	9.621	9.243	30- 40	15.02	826.5	96.3, 96.3
50	4.553	4.480	4.550	4.751	5.197	5.383	5.041	4.782	40- 50	5.279	831.8	96.9, 96.9
60	2.001	2.033	2.085	2.130	2.246	2.222	2.101	2.029	50- 60	2.939	834.7	97.3, 97.3
70	0.9540	0.9617	1.019	1.020	1.016	0.9673	0.9027	0.9190	60- 70	1.426	836.1	97.4, 97.4
80	0.5529	0.5560	0.5990	0.6084	0.5940	0.5829	0.5213	0.5180	70- 80	0.7777	836.9	97.5, 97.5
90	0.1872	0.1875	0.1792	0.1815	0.1718	0.1678	0.1758	0.1617	80- 90	0.3718	837.3	97.6, 97.6
100	0.2023	0.2053	0.1944	0.1970	0.2070	0.1810	0.2054	0.1793	90-100	0.1993	837.5	97.6, 97.6
110	0.2091	0.2279	0.2160	0.2258	0.2356	0.2075	0.2364	0.2147	100-110	0.2210	837.7	97.6, 97.6
120	0.5604	0.5634	0.5579	0.5584	0.6682	0.6634	0.6373	0.6320	110-120	0.3343	838.0	97.6, 97.6
130	2.390	2.360	2.444	2.548	2.888	2.912	2.785	2.647	120-130	1.265	839.3	97.8, 97.8
140	6.194	6.149	6.326	6.540	7.066	7.122	6.902	6.675	130-140	3.430	842.7	98.2, 98.2
150	10.64	10.60	10.79	10.94	11.35	11.37	11.26	11.02	140-150	5.526	848.3	98.8, 98.8
160	12.50	12.67	12.75	12.84	12.67	12.82	12.87	12.74	150-160	5.630	853.9	99.5, 99.5
170	10.68	10.61	10.78	10.59	10.52	10.43	10.49	10.43	160-170	3.405	857.3	99.9, 99.9
180	9.401	9.515	9.256	9.459	9.409	9.506	9.261	9.455	170-180	0.9414	858.2	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-VF62RA04-15W	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	4224	5497
80	4462	4817
75	3852	4126
70	3909	4161
65	4487	4742
60	5608	5824
55	7415	7522
50	9926	9887
45	12641	12422

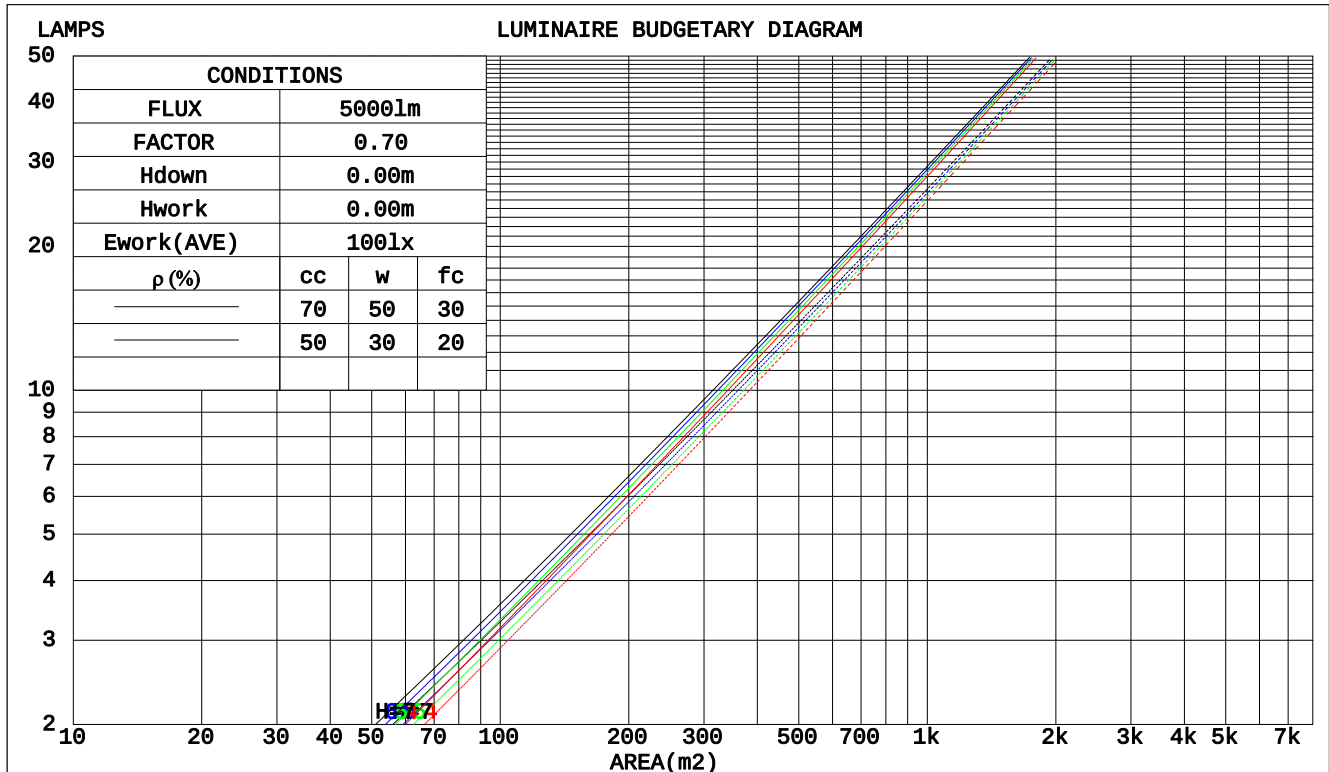
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA04-15W	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	1.10	1.08	1.06	1.05	1.04	1.03	1.01	1.00	.99	.97	.97	.96	.94
2.0	1.06	1.03	1.01	1.05	1.02	.99	1.01	.99	.97	.98	.96	.94	.95	.93	.92	.91
3.0	1.02	.98	.95	1.00	.97	.94	.97	.94	.92	.95	.92	.90	.92	.90	.89	.87
4.0	.97	.93	.90	.96	.92	.89	.94	.91	.88	.92	.89	.87	.90	.87	.86	.84
5.0	.93	.89	.86	.92	.88	.86	.91	.87	.85	.89	.86	.84	.87	.85	.83	.82
6.0	.90	.86	.82	.89	.85	.82	.88	.84	.81	.86	.83	.81	.85	.82	.80	.79
7.0	.87	.82	.79	.86	.82	.79	.85	.81	.79	.84	.80	.78	.82	.80	.77	.76
8.0	.84	.80	.77	.83	.79	.76	.82	.79	.76	.81	.78	.76	.80	.77	.75	.74
9.0	.81	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72
10.0	.79	.74	.72	.78	.74	.72	.77	.74	.71	.77	.73	.71	.76	.73	.71	.70



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
 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-VF62RA04-15W	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	.143	.082	.026	.136	.078	.025	.122	.070	.022	.109	.063	.020	.098	.057	.018	
2.0	.133	.073	.022	.127	.070	.021	.115	.064	.020	.104	.059	.018	.095	.054	.017	
3.0	.124	.066	.020	.119	.064	.019	.109	.059	.018	.100	.055	.017	.091	.051	.016	
4.0	.116	.060	.018	.112	.058	.017	.103	.055	.016	.096	.051	.015	.088	.048	.015	
5.0	.110	.056	.016	.106	.054	.016	.098	.051	.015	.092	.048	.014	.085	.046	.014	
6.0	.104	.052	.015	.100	.051	.015	.094	.048	.014	.088	.046	.013	.083	.043	.013	
7.0	.099	.049	.014	.096	.048	.014	.090	.046	.013	.085	.044	.013	.080	.042	.012	
8.0	.094	.046	.013	.092	.045	.013	.087	.043	.012	.082	.041	.012	.077	.040	.012	
9.0	.090	.044	.012	.088	.043	.012	.083	.041	.012	.079	.040	.011	.075	.038	.011	
10.0	.086	.041	.011	.084	.041	.011	.080	.039	.011	.076	.038	.011	.073	.037	.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	.160	.151	.143	.110	.104	.099	.063	.060	.058	.020	.019	.019	
2.0	.170	.152	.136	.146	.130	.118	.100	.090	.082	.058	.053	.048	.018	.017	.016	
3.0	.155	.132	.114	.133	.114	.099	.091	.079	.069	.053	.046	.041	.017	.015	.013	
4.0	.143	.117	.097	.123	.101	.084	.084	.071	.059	.049	.041	.035	.016	.013	.012	
5.0	.133	.105	.084	.114	.091	.073	.079	.063	.052	.046	.037	.031	.015	.012	.010	
6.0	.124	.095	.074	.107	.082	.065	.074	.058	.046	.043	.034	.027	.014	.011	.009	
7.0	.117	.087	.066	.100	.075	.058	.069	.053	.041	.040	.031	.024	.013	.010	.008	
8.0	.110	.080	.060	.095	.070	.052	.066	.049	.037	.038	.029	.022	.012	.009	.007	
9.0	.105	.075	.054	.090	.065	.047	.063	.046	.034	.036	.027	.020	.012	.009	.007	
10.0	.100	.070	.050	.086	.061	.044	.060	.043	.031	.035	.025	.019	.011	.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-VF62RA04-15W						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	9.8	10.5	10.1	10.7	10.9	9.7	10.4	10.0	10.6	10.8	
3H	10.0	10.6	10.3	10.8	11.1	10.0	10.6	10.2	10.8	11.0	
4H	10.1	10.7	10.4	10.9	11.2	10.1	10.7	10.4	10.9	11.2	
6H	10.2	10.8	10.5	11.1	11.3	10.2	10.8	10.6	11.1	11.3	
8H	10.3	10.8	10.6	11.1	11.4	10.3	10.9	10.7	11.2	11.5	
12H	10.4	10.9	10.7	11.2	11.5	10.4	10.9	10.8	11.2	11.6	
4H 2H	9.8	10.4	10.1	10.6	10.9	9.7	10.3	10.0	10.6	10.8	
3H	10.1	10.6	10.4	10.9	11.2	10.0	10.6	10.4	10.9	11.2	
4H	10.2	10.7	10.6	11.0	11.4	10.2	10.7	10.6	11.1	11.4	
6H	10.5	10.9	10.9	11.3	11.7	10.5	10.9	10.9	11.3	11.7	
8H	10.6	11.0	11.1	11.4	11.8	10.7	11.1	11.1	11.5	11.9	
12H	10.7	11.1	11.2	11.5	11.9	10.9	11.2	11.3	11.6	12.1	
8H 4H	10.3	10.6	10.7	11.0	11.4	10.3	10.6	10.7	11.0	11.4	
6H	10.6	10.9	11.1	11.4	11.8	10.7	11.0	11.1	11.4	11.9	
8H	10.9	11.1	11.3	11.6	12.1	10.9	11.2	11.4	11.7	12.2	
12H	11.1	11.3	11.6	11.8	12.3	11.2	11.4	11.7	11.9	12.4	
12H 4H	10.2	10.6	10.7	11.0	11.4	10.2	10.6	10.7	11.0	11.4	
6H	10.6	10.9	11.1	11.4	11.9	10.7	11.0	11.2	11.4	11.9	
8H	10.9	11.2	11.4	11.6	12.2	11.0	11.3	11.5	11.7	12.3	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.1 / - 1.1					+ 1.0 / - 1.0					
1.5H	+ 1.8 / - 0.8					+ 1.7 / - 0.7					
2.0H	+ 1.5 / - 1.0					+ 1.3 / - 0.9					

CIE Pub.117, 858.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.5)

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-VF62RA04-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

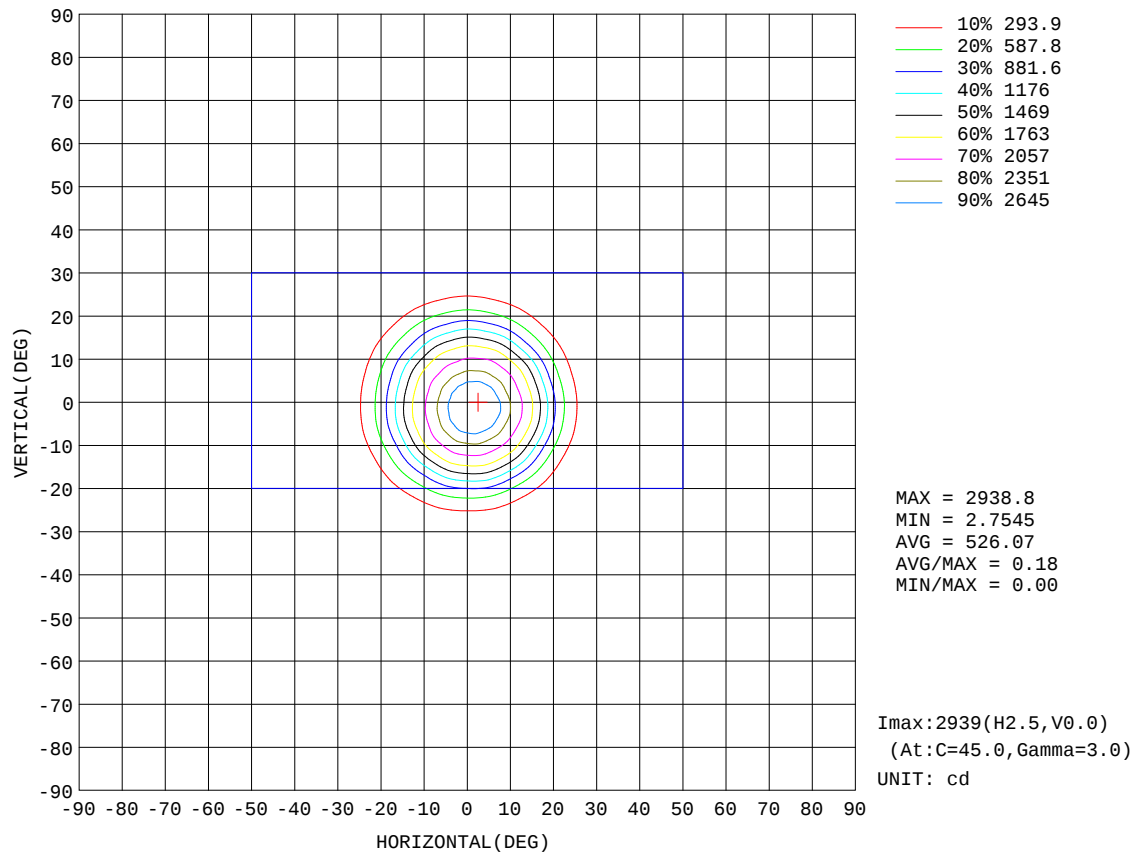
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	87	94	90	87	83
1.00	100	95	92	99	94	91	97	94	91	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	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:2021-08-09

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-VF62RA04-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

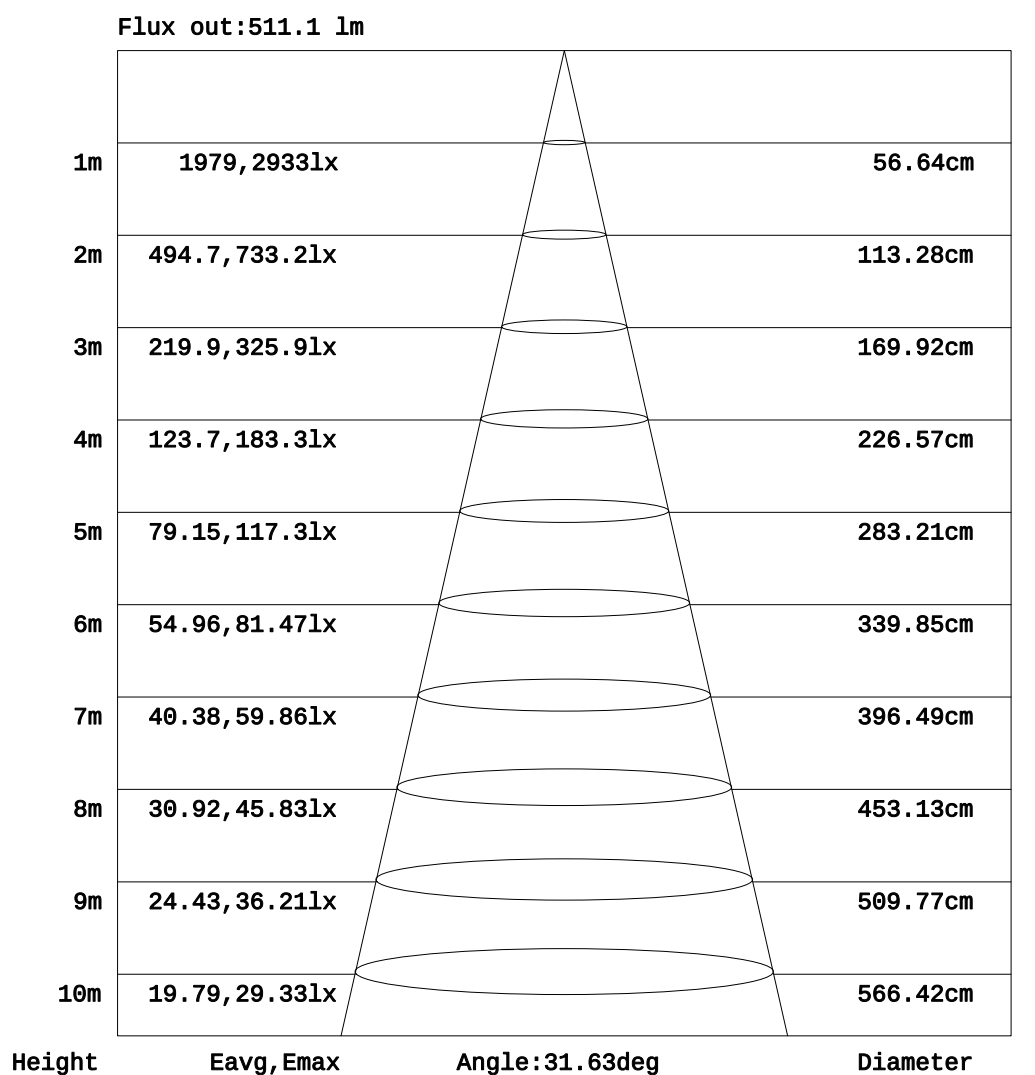


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-09

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-VF62RA04-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



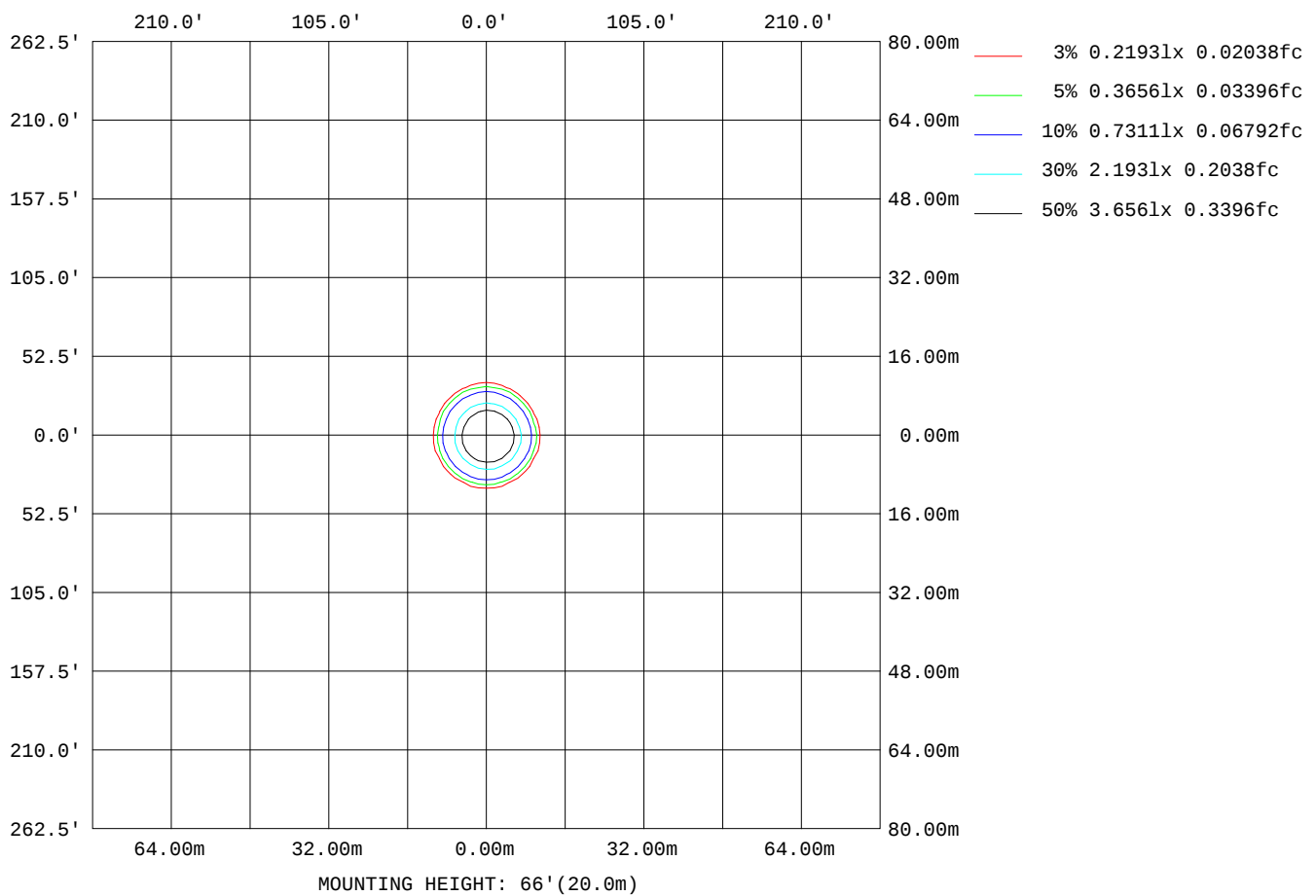
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF62RA04-15W	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-VF62RA04-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

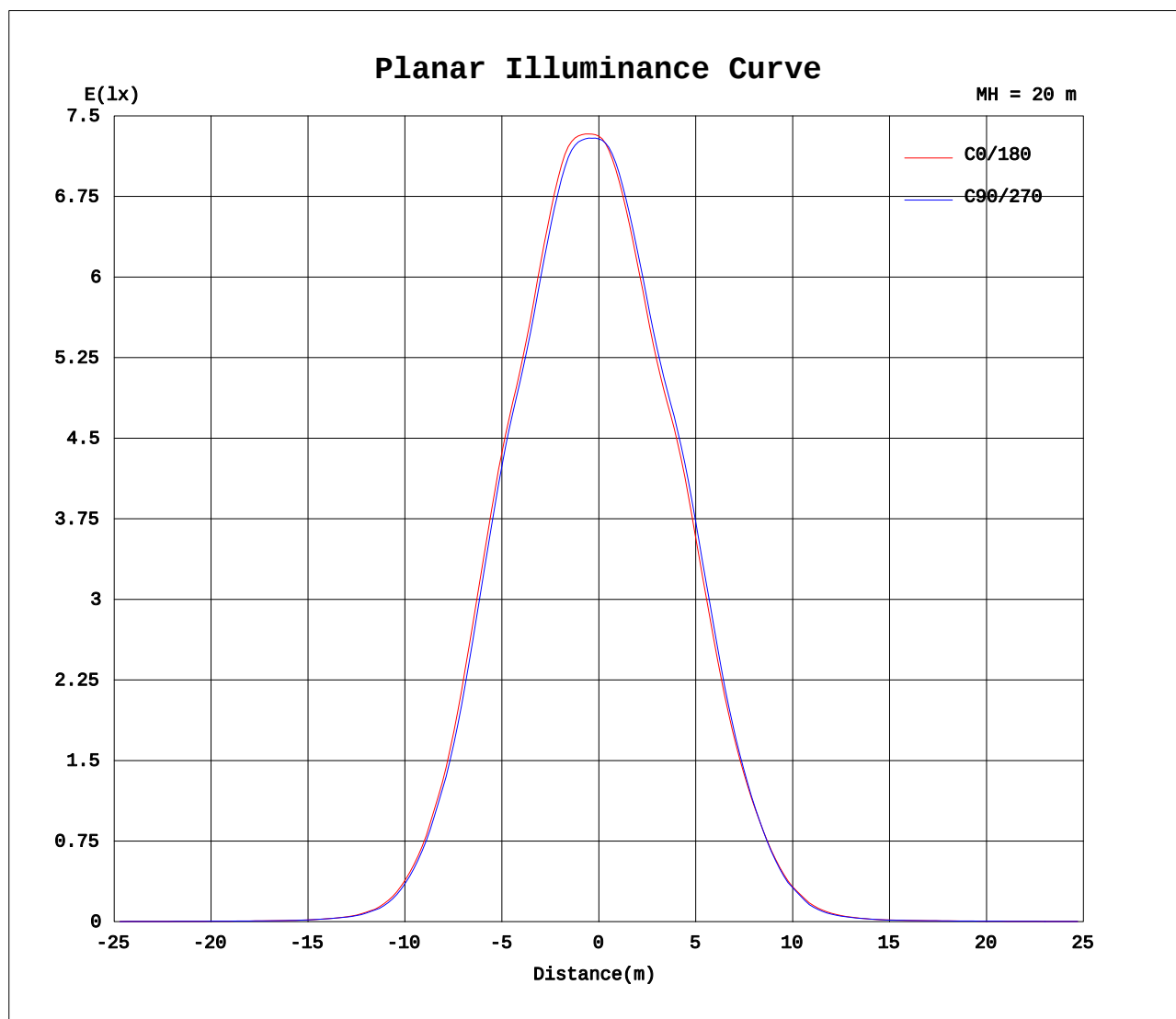
AvgL	cd/m2
L_0~180(65)av	4668
L_0~180(75)av	3968
L_0~180(85)av	4289
L_90~270(65)av	4592
L_90~270(75)av	3839
L_90~270(85)av	5101
L_45(65)av	4608
L_45(75)av	3894
L_45(85)av	5170

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-vF62RA04-15W	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	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915	2915
5	2880	2900	2894	2902	2882	2878	2841	2818	2753	2712	2642	2610	2559	2529	2541	2528	2555	2563	2612
10	2338	2383	2370	2390	2350	2351	2295	2276	2206	2168	2095	2061	2017	1998	2008	1999	2022	2029	2073
15	1775	1820	1800	1822	1783	1782	1720	1707	1630	1602	1518	1489	1418	1385	1409	1396	1436	1437	1484
20	940	982	955	976	930	935	883	881	829	823	774	769	726	709	727	710	733	722	750
25	328	343	325	336	315	326	308	319	303	311	290	295	273	265	273	263	270	258	266
30	72.2	74.5	69.6	72.4	67.1	68.8	67.9	70.3	68.1	71.5	67.8	71.1	66.7	66.7	66.6	65.2	64.4	60.7	59.2
35	20.9	21.3	20.5	21.2	20.8	21.4	20.9	21.4	20.5	20.4	19.2	19.5	18.5	18.1	18.8	18.3	19.0	18.0	18.6
40	9.34	9.29	8.97	9.02	8.85	9.02	8.97	9.19	9.17	9.45	9.48	9.84	9.89	9.98	10.2	10.2	10.2	9.79	9.62
45	6.38	6.33	6.19	6.20	6.15	6.25	6.29	6.43	6.48	6.70	6.85	7.16	7.31	7.42	7.61	7.59	7.57	7.27	7.09
50	4.55	4.53	4.45	4.48	4.46	4.55	4.55	4.62	4.63	4.75	4.86	5.10	5.20	5.25	5.39	5.38	5.39	5.14	5.04
55	3.03	3.05	2.98	3.05	3.03	3.12	3.09	3.14	3.11	3.21	3.25	3.40	3.44	3.46	3.52	3.49	3.47	3.33	3.28
60	2.00	2.02	1.99	2.03	2.04	2.10	2.08	2.12	2.08	2.13	2.15	2.24	2.25	2.24	2.28	2.22	2.21	2.10	2.10
65	1.35	1.36	1.35	1.37	1.39	1.43	1.43	1.43	1.42	1.44	1.45	1.49	1.47	1.47	1.47	1.43	1.39	1.35	1.34
70	0.95	0.95	0.95	0.96	0.98	1.00	1.02	1.01	1.02	1.02	1.04	1.05	1.02	1.02	0.99	0.97	0.93	0.92	0.90
75	0.71	0.70	0.71	0.71	0.74	0.74	0.76	0.75	0.78	0.77	0.80	0.79	0.76	0.77	0.74	0.73	0.70	0.68	0.66
80	0.55	0.54	0.55	0.56	0.58	0.57	0.60	0.59	0.61	0.61	0.63	0.63	0.59	0.60	0.58	0.58	0.56	0.55	0.52
85	0.26	0.33	0.34	0.32	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.27	0.31	0.31	0.31	0.29	0.30	0.29
90	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.18
95	0.19	0.20	0.19	0.19	0.18	0.19	0.18	0.19	0.18	0.19	0.18	0.19	0.19	0.17	0.19	0.17	0.18	0.17	0.18
100	0.20	0.21	0.20	0.21	0.19	0.20	0.19	0.20	0.19	0.20	0.19	0.20	0.21	0.19	0.20	0.18	0.20	0.18	0.21
105	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.21	0.22	0.21	0.22	0.21	0.21	0.21	0.22
110	0.21	0.23	0.21	0.23	0.22	0.23	0.22	0.23	0.21	0.23	0.21	0.22	0.24	0.21	0.23	0.21	0.23	0.21	0.24
115	0.29	0.31	0.29	0.30	0.29	0.30	0.28	0.29	0.28	0.29	0.28	0.30	0.33	0.31	0.32	0.31	0.32	0.30	0.32
120	0.56	0.57	0.56	0.56	0.56	0.56	0.56	0.55	0.55	0.56	0.58	0.59	0.67	0.68	0.66	0.66	0.65	0.65	0.64
125	1.21	1.19	1.22	1.19	1.22	1.20	1.23	1.21	1.26	1.25	1.34	1.35	1.48	1.54	1.49	1.52	1.46	1.48	1.42
130	2.39	2.35	2.40	2.36	2.41	2.39	2.44	2.44	2.51	2.55	2.66	2.70	2.89	2.93	2.90	2.91	2.85	2.85	2.79
135	4.07	4.01	4.06	4.03	4.10	4.08	4.17	4.18	4.30	4.33	4.51	4.57	4.80	4.88	4.82	4.86	4.76	4.78	4.67
140	6.19	6.13	6.18	6.15	6.23	6.22	6.33	6.33	6.48	6.54	6.74	6.81	7.07	7.16	7.08	7.12	7.01	7.03	6.90
145	8.52	8.46	8.50	8.47	8.55	8.55	8.65	8.67	8.81	8.87	9.05	9.12	9.36	9.43	9.36	9.39	9.30	9.31	9.21
150	10.6	10.6	10.6	10.6	10.7	10.7	10.8	10.8	10.9	10.9	11.1	11.1	11.3	11.4	11.3	11.4	11.3	11.3	11.3
155	12.1	12.1	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.7	12.7
160	12.5	12.5	12.5	12.7	12.7	12.7	12.7	12.8	12.8	12.8	12.7	12.6	12.7	12.7	12.7	12.8	12.9	12.9	12.9
165	11.9	11.9	11.9	12.0	12.1	12.3	12.3	12.3	12.2	12.1	11.9	11.9	11.9	11.9	11.9	11.9	12.0	12.1	12.1
170	10.7	10.7	10.6	10.6	10.6	10.7	10.8	10.8	10.6	10.6	10.6	10.6	10.5	10.5	10.5	10.4	10.4	10.4	10.5
175	9.57	9.55	9.53	9.64	9.64	9.54	9.46	9.47	9.48	9.62	9.61	9.48	9.47	9.52	9.60	9.65	9.46	9.37	9.32
180	9.40	9.37	9.38	9.51	9.37	9.23	9.26	9.20	9.27	9.46	9.35	9.28	9.41	9.37	9.38	9.51	9.36	9.23	9.26

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-VF62RA04-15W	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	2915	2915	2915	2915	2915														
5	2639	2701	2740	2806	2837														
10	2099	2158	2188	2250	2276														
15	1496	1564	1592	1678	1706														
20	740	776	779	844	862														
25	258	272	269	292	297														
30	59.4	59.8	59.7	62.4	63.6														
35	18.1	19.0	18.5	19.4	19.3														
40	9.43	9.49	9.24	9.22	9.09														
45	6.93	6.89	6.68	6.55	6.35														
50	4.93	4.93	4.78	4.69	4.52														
55	3.23	3.24	3.15	3.11	2.99														
60	2.06	2.09	2.03	2.03	1.96														
65	1.33	1.35	1.34	1.34	1.31														
70	0.90	0.91	0.92	0.91	0.91														
75	0.67	0.65	0.67	0.66	0.67														
80	0.53	0.50	0.52	0.50	0.51														
85	0.31	0.31	0.33	0.31	0.32														
90	0.17	0.17	0.16	0.17	0.17														
95	0.17	0.18	0.17	0.18	0.17														
100	0.19	0.20	0.18	0.19	0.18														
105	0.21	0.21	0.21	0.22	0.21														
110	0.21	0.23	0.21	0.23	0.22														
115	0.30	0.32	0.31	0.32	0.31														
120	0.64	0.62	0.63	0.61	0.61														
125	1.44	1.37	1.38	1.31	1.32														
130	2.77	2.68	2.65	2.55	2.52														
135	4.64	4.51	4.46	4.31	4.25														
140	6.87	6.72	6.68	6.48	6.41														
145	9.19	9.04	8.98	8.80	8.74														
150	11.2	11.1	11.0	10.9	10.8														
155	12.6	12.5	12.4	12.3	12.3														
160	12.9	12.8	12.7	12.6	12.6														
165	12.1	12.0	11.9	11.9	11.9														
170	10.5	10.5	10.4	10.5	10.6														
175	9.37	9.50	9.55	9.42	9.49														
180	9.20	9.27	9.45	9.35	9.29														

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: