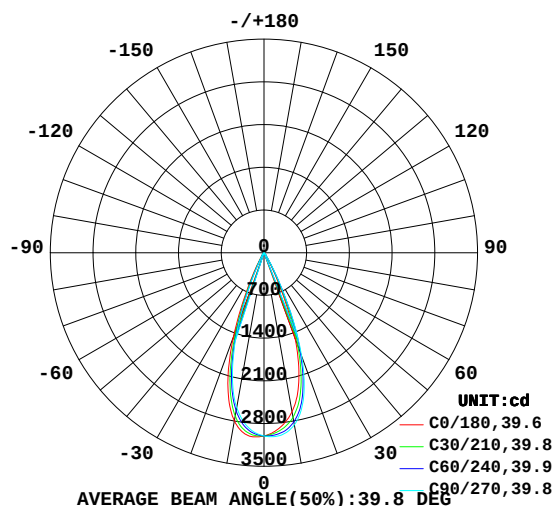


LUMINAIRE PHOTOMETRIC TEST REPORT

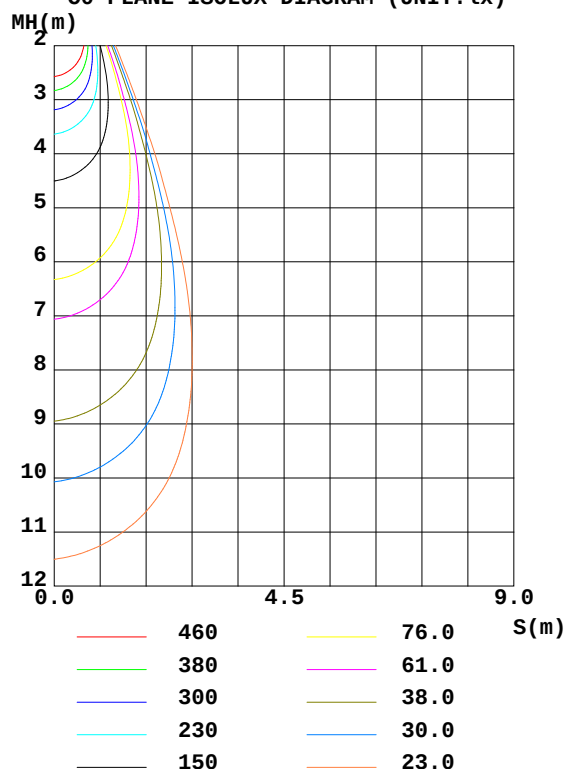
NAME: VM060-VF63RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 98.28 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3038	S/MH(C0/180)	0.59	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.56	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1328.6	η UP, DN(C0-180)	1.2, 53.9	
NOMINAL FLUX(lm)	1328.61	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 43.6	
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:

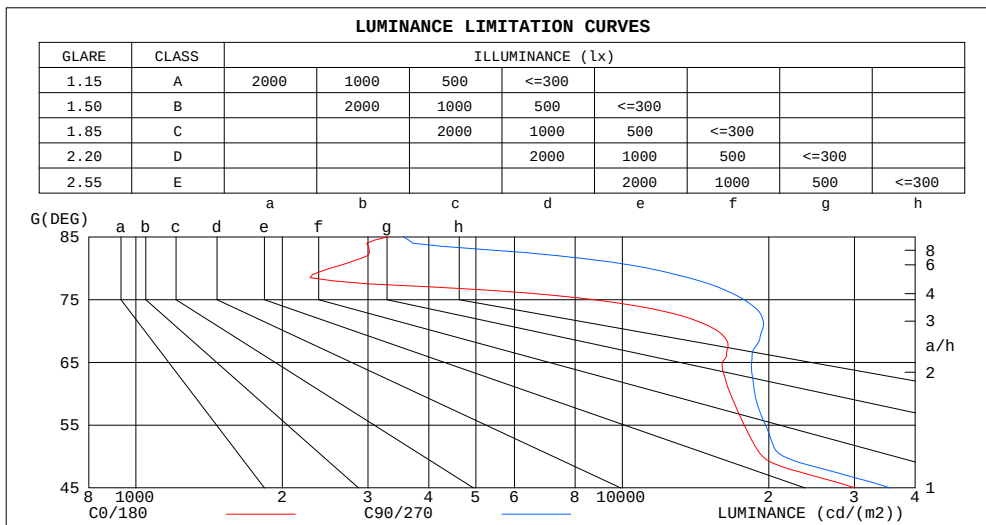
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2645	2792	2863	2884	2796	2660	2577	2566	0- 10	274.2	274.2	20.6,20.6
20	1496	1725	1805	1737	1464	1230	1188	1259	10- 20	603.9	878.1	66.1,66.1
30	185.6	259.4	271.6	262.8	183.3	125.0	105.9	125.5	20- 30	313.2	1191	89.7,89.7
40	44.34	50.24	53.32	55.38	49.09	41.92	39.53	39.34	30- 40	53.09	1244	93.7,93.7
50	17.07	18.42	19.12	18.46	17.73	16.88	16.37	15.83	40- 50	22.52	1267	95.4,95.4
60	11.39	12.37	12.99	13.16	12.73	11.84	11.17	10.76	50- 60	13.01	1280	96.3,96.3
70	7.336	8.739	9.189	9.539	7.903	8.786	8.205	7.916	60- 70	10.09	1290	97.1,97.1
80	0.5948	2.806	2.721	2.603	0.8118	2.246	2.524	2.355	70- 80	5.673	1296	97.5,97.5
90	0.3571	0.3759	0.3433	0.3453	0.3137	0.3451	0.3342	0.3766	80- 90	0.7810	1296	97.6,97.6
100	0.3963	0.4045	0.3785	0.3900	0.3944	0.3823	0.4141	0.3832	90-100	0.3946	1297	97.6,97.6
110	0.5510	0.5145	0.4867	0.4903	0.5362	0.5536	0.5936	0.5700	100-110	0.4760	1297	97.6,97.6
120	1.429	1.151	1.083	1.142	1.453	1.730	1.787	1.722	110-120	0.8358	1298	97.7,97.7
130	4.659	4.004	3.840	3.965	4.640	5.255	5.442	5.296	120-130	2.505	1301	97.9,97.9
140	9.960	9.121	8.858	9.002	9.892	10.72	11.01	10.82	130-140	5.481	1306	98.3,98.3
150	15.52	14.83	14.70	14.85	15.72	16.33	16.60	16.24	140-150	7.991	1314	98.9,98.9
160	17.82	18.04	18.13	18.30	18.26	18.45	18.51	18.15	150-160	7.965	1322	99.5,99.5
170	16.13	16.34	16.74	16.65	16.65	16.29	16.00	15.60	160-170	4.987	1327	99.9,99.9
180	15.83	16.00	15.60	15.85	15.88	15.97	15.62	15.83	170-180	1.512	1329	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-VF63RA01-15W	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	3297	3544
80	2508	11293
75	8704	17793
70	15705	19363
65	16049	18439
60	16674	18725
55	17808	19696
50	19441	21443
45	30088	35555

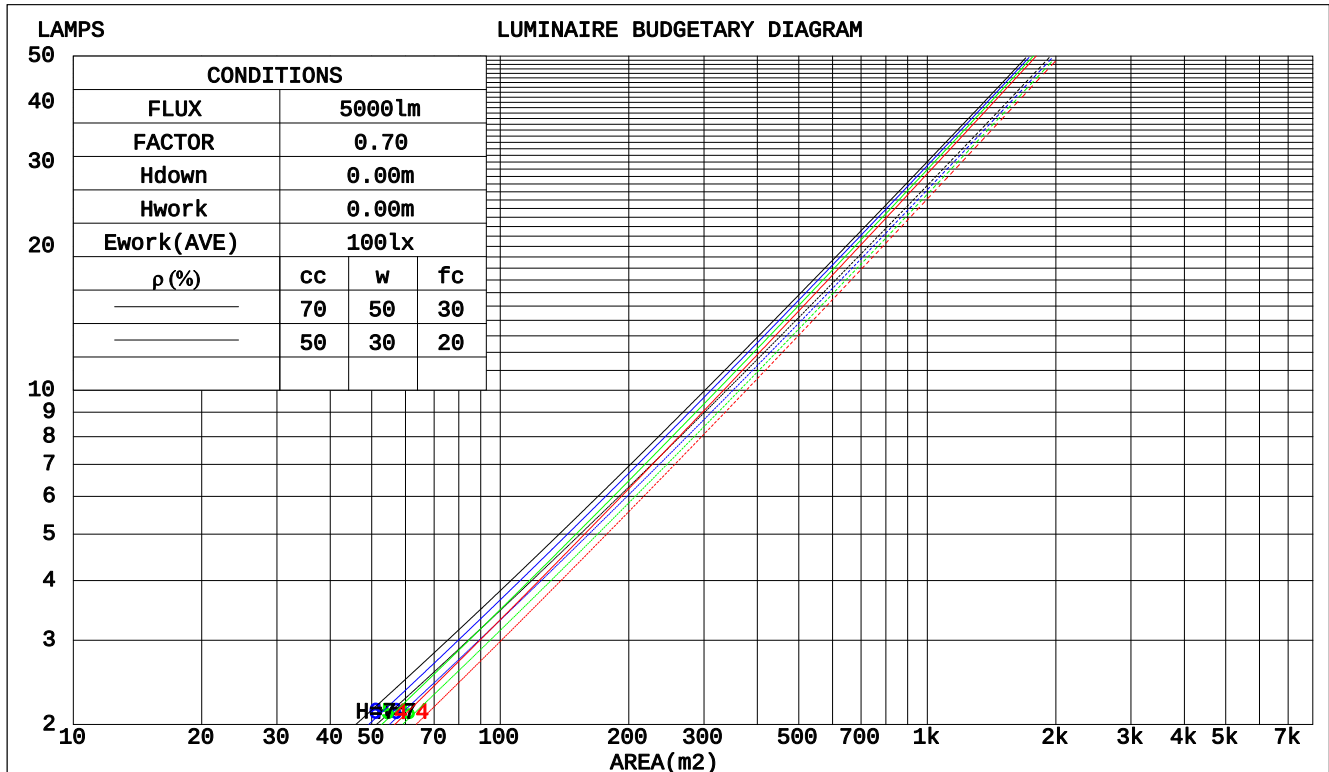
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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-VF63RA01-15W	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	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.05	1.01	.99	1.03	.99	.97	.99	.97	.95	.96	.94	.92	.93	.92	.90	.88
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.92	.90	.88	.90	.88	.86	.84
4.0	.94	.90	.86	.93	.89	.86	.91	.87	.84	.89	.86	.83	.87	.84	.82	.81
5.0	.90	.85	.82	.89	.85	.81	.87	.83	.80	.85	.82	.79	.84	.81	.79	.77
6.0	.86	.81	.78	.85	.81	.77	.84	.80	.77	.82	.79	.76	.81	.78	.75	.74
7.0	.82	.78	.74	.82	.77	.74	.80	.76	.73	.79	.75	.73	.78	.75	.72	.71
8.0	.79	.74	.71	.79	.74	.71	.77	.73	.70	.76	.73	.70	.75	.72	.70	.68
9.0	.76	.71	.68	.76	.71	.68	.75	.70	.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
 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-VF63RA01-15W	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	.157	.090	.028	.150	.086	.027	.136	.078	.025	.123	.071	.023	.112	.065	.021		
2.0	.147	.081	.025	.141	.078	.024	.129	.072	.022	.119	.067	.021	.109	.061	.019		
3.0	.138	.073	.022	.133	.071	.021	.123	.067	.020	.114	.062	.019	.105	.058	.018		
4.0	.130	.067	.020	.125	.066	.019	.117	.062	.018	.109	.058	.018	.101	.055	.017		
5.0	.123	.062	.018	.119	.061	.018	.111	.058	.017	.104	.055	.016	.098	.052	.016		
6.0	.116	.058	.017	.113	.057	.016	.106	.054	.016	.100	.052	.015	.094	.050	.015		
7.0	.111	.055	.016	.108	.054	.015	.102	.051	.015	.096	.049	.014	.091	.047	.014		
8.0	.106	.052	.015	.103	.051	.014	.098	.049	.014	.093	.047	.014	.088	.045	.013		
9.0	.101	.049	.014	.099	.048	.013	.094	.046	.013	.090	.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	.018	
2.0	.172	.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	.126	.101	.083	.086	.071	.058	.050	.041	.034	.016	.013	.011	
5.0	.137	.105	.082	.117	.091	.071	.081	.064	.050	.047	.037	.030	.015	.012	.010	
6.0	.128	.096	.072	.110	.083	.063	.076	.058	.044	.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	.069	.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-VF63RA01-15W						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						14.5	15.3	14.8	15.5	15.7	15.4
3H						15.4	16.1	15.7	16.3	16.5	16.3
4H						15.6	16.3	15.9	16.5	16.8	16.7
6H						15.6	16.2	15.9	16.5	16.7	16.9
8H						15.5	16.1	15.9	16.4	16.7	16.9
12H						15.5	16.1	15.8	16.4	16.7	16.9
4H 2H						14.8	15.5	15.1	15.7	16.0	15.6
3H						16.0	16.5	16.3	16.8	17.2	16.7
4H						16.3	16.8	16.7	17.2	17.5	17.3
6H						16.3	16.8	16.7	17.1	17.5	17.6
8H						16.2	16.7	16.7	17.1	17.5	17.6
12H						16.2	16.6	16.6	17.0	17.4	17.6
8H 4H						16.5	17.0	17.0	17.3	17.8	17.5
6H						16.6	16.9	17.0	17.4	17.8	17.8
8H						16.5	16.8	17.0	17.3	17.8	17.8
12H						16.5	16.8	17.0	17.2	17.8	17.8
12H 4H						16.5	16.9	16.9	17.3	17.7	17.4
6H						16.6	16.9	17.0	17.3	17.8	17.8
8H						16.5	16.8	17.0	17.3	17.8	17.8
Variations with the observer position at spacings:											
S = 1.0H						+ 0.7 / - 0.9			+ 0.5 / - 0.7		
1.5H						+ 1.1 / - 0.9			+ 1.2 / - 0.8		
2.0H						+ 1.4 / - 0.7			+ 1.3 / - 0.5		

CIE Pub.117, 1329 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-VF63RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

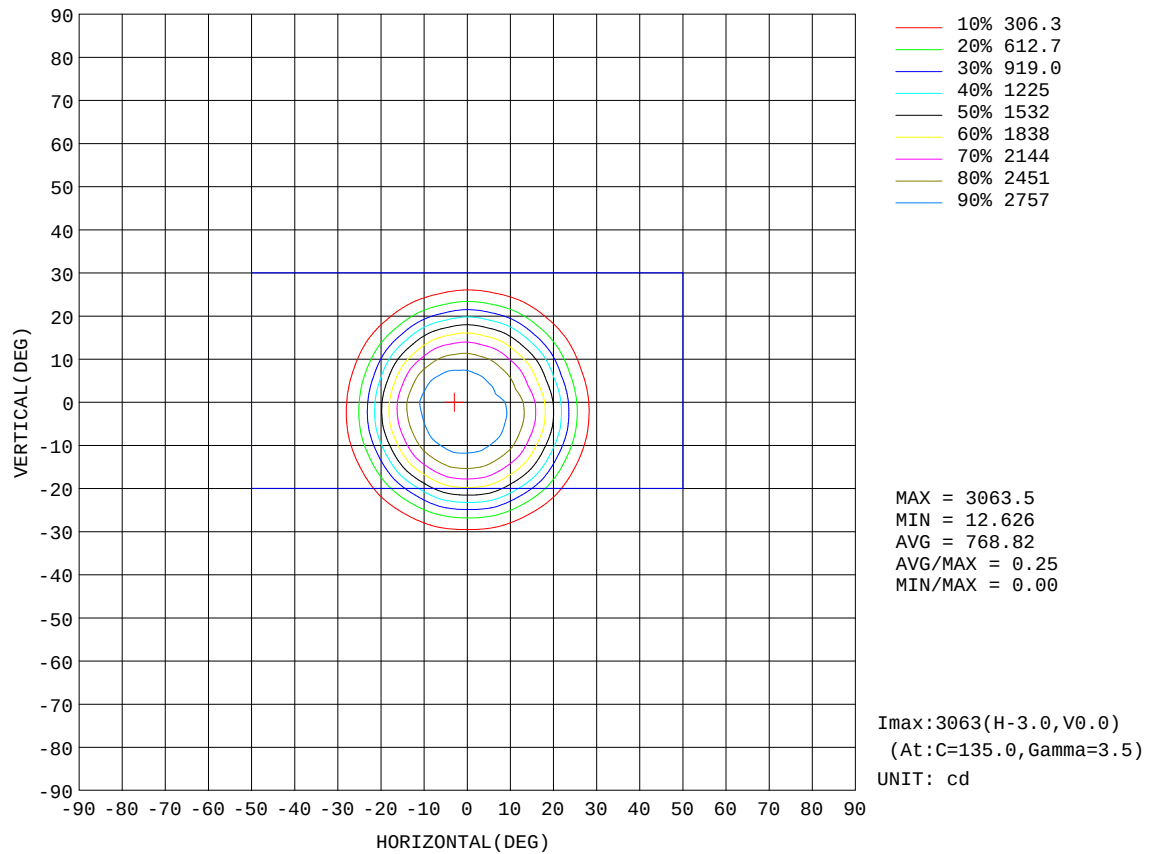
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	87	81	78	86	81	78	74
0.80	95	89	86	94	89	85	93	88	85	81
1.00	99	93	90	98	93	90	96	92	89	85
1.25	103	98	94	102	97	94	99	96	93	88
1.50	105	101	97	104	100	97	101	98	96	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	115	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:2021-08-10

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-VF63RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

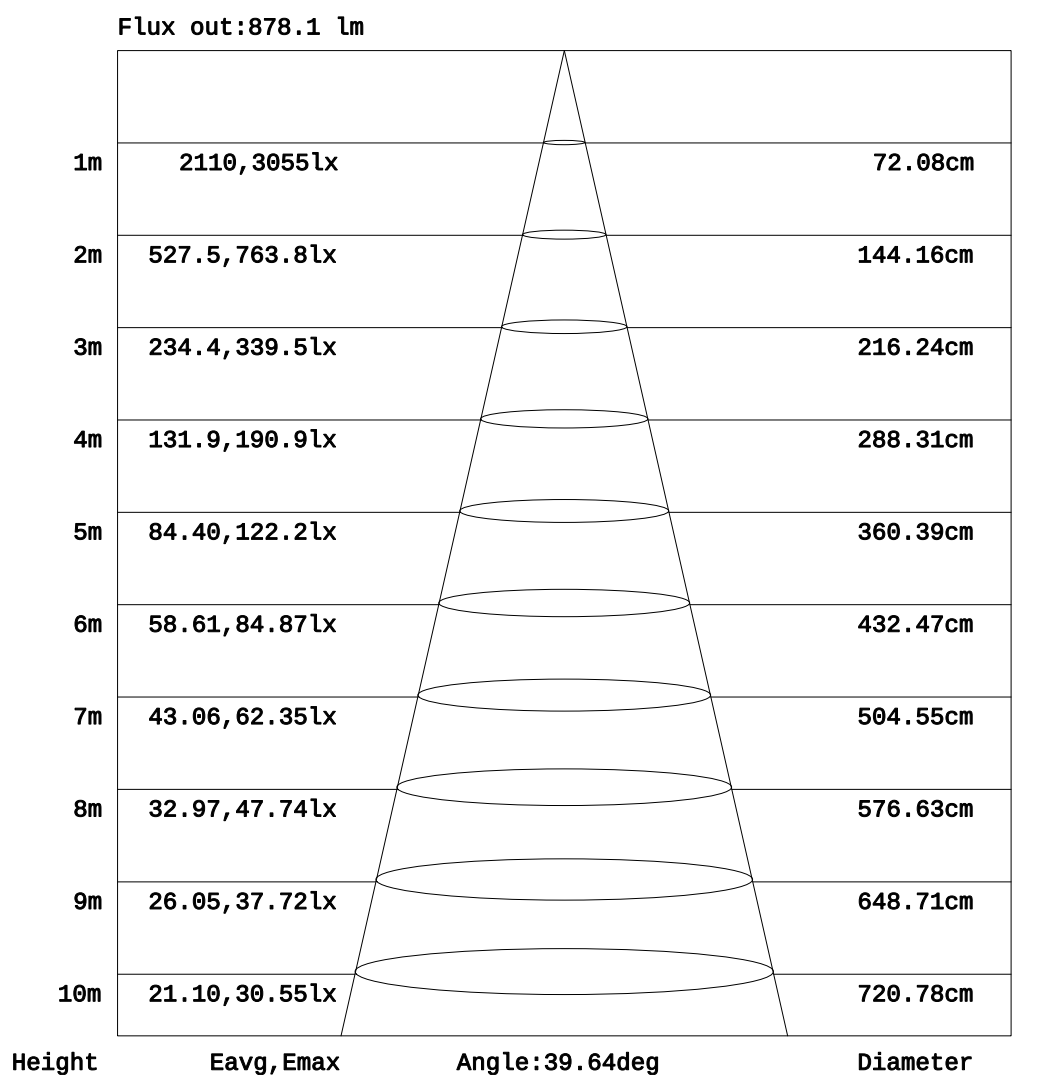


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-10

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-VF63RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



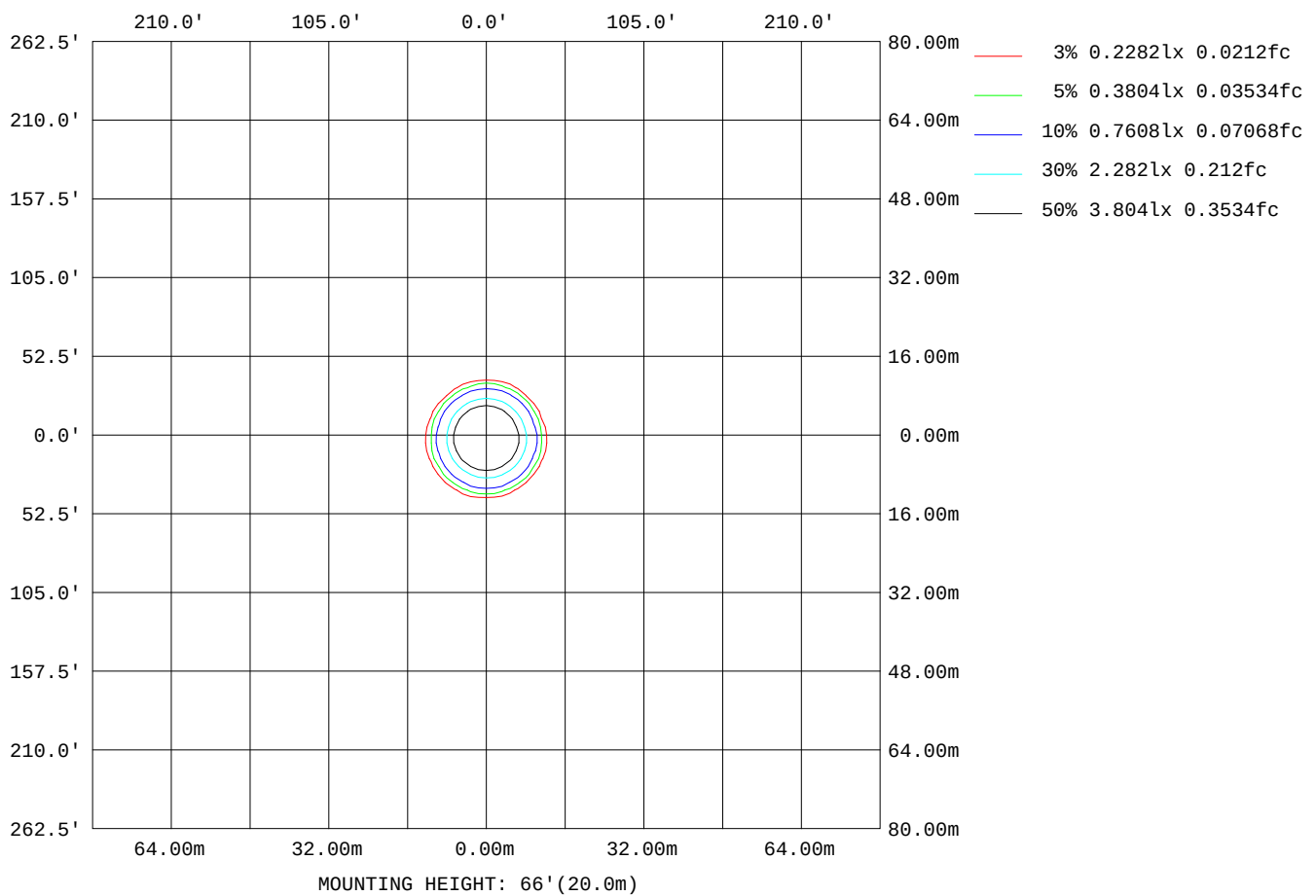
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF63RA01-15W	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-VF63RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

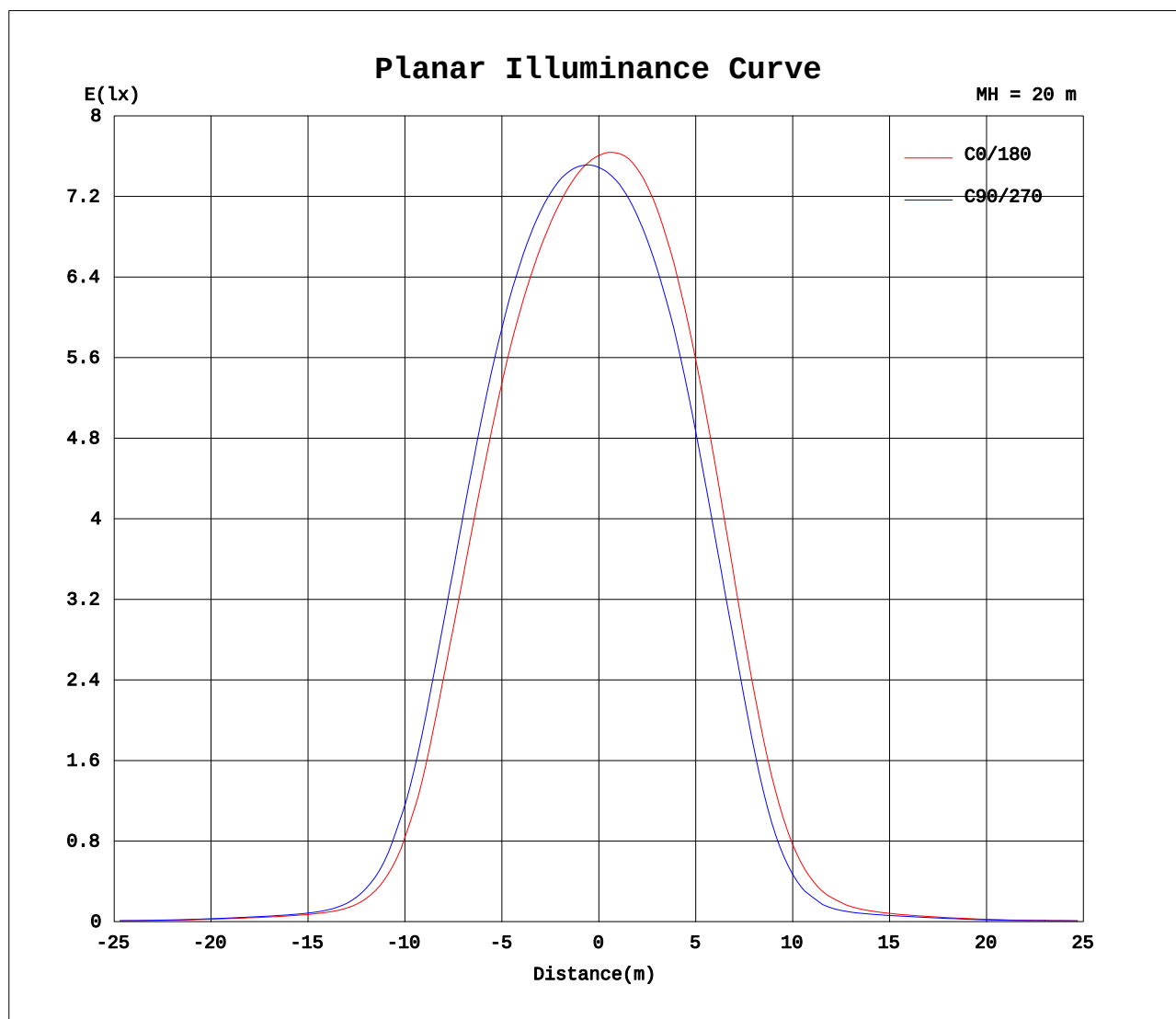
AvgL	cd/m2
L_0~180(65)av	16979
L_0~180(75)av	9319
L_0~180(85)av	3275
L_90~270(65)av	17540
L_90~270(75)av	17243
L_90~270(85)av	4269
L_45(65)av	17399
L_45(75)av	16959
L_45(85)av	4228

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-VF63RA01-15W	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	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001
5	2885	2908	2927	2955	2970	2994	3006	3020	3025	3032	3025	3026	3006	2982	2963	2935	2917	2892	2880
10	2645	2697	2738	2792	2815	2851	2863	2888	2883	2884	2858	2847	2796	2745	2718	2660	2629	2585	2577
15	2202	2282	2328	2407	2433	2486	2494	2515	2484	2476	2412	2384	2289	2195	2158	2080	2061	2000	2001
20	1496	1595	1632	1725	1750	1819	1805	1823	1756	1737	1640	1598	1464	1356	1318	1230	1220	1162	1188
25	655	752	786	878	884	936	899	915	848	832	741	707	609	544	502	450	425	390	405
30	186	215	227	259	260	280	272	284	267	263	230	217	183	160	150	125	121	104	106
35	68.6	72.5	76.4	81.7	81.0	84.4	85.6	91.2	93.4	94.9	88.0	85.5	78.1	72.9	68.9	63.3	59.8	56.5	55.7
40	44.3	46.4	47.8	50.2	50.7	52.5	53.3	54.8	55.2	55.4	52.9	52.0	49.1	46.2	44.4	41.9	41.0	39.5	39.5
45	29.1	30.7	31.4	33.2	33.7	34.9	34.9	35.0	33.3	32.9	31.1	30.3	27.8	25.4	24.3	23.1	23.0	22.3	22.6
50	17.1	17.5	17.6	18.4	18.7	19.2	19.1	19.1	18.5	18.5	18.2	18.0	17.7	17.3	17.0	16.9	16.8	16.5	16.4
55	13.9	14.3	14.5	15.0	15.2	15.6	15.7	15.8	15.6	15.6	15.4	15.3	15.1	14.7	14.5	14.2	14.0	13.7	13.5
60	11.4	11.7	11.9	12.4	12.6	12.9	13.0	13.2	13.1	13.2	13.0	12.9	12.7	12.4	12.2	11.8	11.6	11.3	11.2
65	9.26	9.63	9.82	10.2	10.4	10.7	10.8	11.0	11.0	11.1	11.0	10.9	10.6	10.4	10.6	10.3	10.2	9.88	9.72
70	7.34	7.85	8.50	8.74	8.87	9.08	9.19	9.37	9.41	9.54	9.36	8.56	7.90	7.72	8.74	8.79	8.61	8.33	8.20
75	3.08	4.21	5.54	6.28	6.26	6.45	6.39	6.57	6.49	6.50	5.97	4.55	3.60	4.03	5.67	5.99	6.17	5.97	5.97
80	0.59	0.90	2.01	2.81	2.77	2.85	2.72	2.82	2.70	2.60	2.13	1.42	0.81	1.41	2.05	2.25	2.48	2.39	2.52
85	0.39	0.46	0.50	0.51	0.47	0.46	0.43	0.44	0.44	0.44	0.45	0.45	0.40	0.40	0.45	0.54	0.57	0.61	0.60
90	0.36	0.37	0.41	0.38	0.37	0.35	0.34	0.34	0.35	0.35	0.35	0.34	0.31	0.34	0.34	0.35	0.34	0.34	0.33
95	0.37	0.37	0.37	0.38	0.36	0.36	0.35	0.36	0.35	0.37	0.35	0.35	0.35	0.35	0.33	0.35	0.35	0.37	0.34
100	0.40	0.41	0.39	0.40	0.38	0.40	0.38	0.40	0.38	0.39	0.37	0.39	0.39	0.39	0.37	0.40	0.38	0.40	0.39
105	0.46	0.46	0.44	0.45	0.42	0.45	0.42	0.44	0.41	0.43	0.42	0.44	0.45	0.43	0.46	0.44	0.46	0.45	0.48
110	0.55	0.54	0.51	0.51	0.48	0.50	0.49	0.49	0.48	0.49	0.48	0.51	0.54	0.53	0.56	0.55	0.58	0.58	0.59
115	0.79	0.75	0.70	0.68	0.64	0.64	0.62	0.63	0.63	0.66	0.66	0.70	0.78	0.82	0.85	0.89	0.90	0.94	0.93
120	1.43	1.30	1.25	1.15	1.12	1.07	1.08	1.07	1.12	1.14	1.22	1.26	1.45	1.57	1.61	1.73	1.74	1.82	1.79
125	2.70	2.51	2.41	2.26	2.20	2.12	2.14	2.11	2.20	2.24	2.38	2.46	2.75	2.92	3.02	3.18	3.22	3.34	3.31
130	4.66	4.37	4.25	4.00	3.95	3.81	3.84	3.80	3.91	3.97	4.17	4.29	4.64	4.90	5.02	5.26	5.32	5.48	5.44
135	7.15	6.80	6.64	6.35	6.29	6.11	6.14	6.07	6.21	6.26	6.52	6.67	7.07	7.38	7.54	7.82	7.90	8.11	8.07
140	9.96	9.60	9.42	9.12	9.02	8.83	8.86	8.79	8.93	9.00	9.28	9.45	9.89	10.2	10.4	10.7	10.8	11.1	11.0
145	12.9	12.5	12.4	12.1	12.0	11.8	11.8	11.7	11.9	12.0	12.3	12.4	12.9	13.2	13.4	13.7	13.8	14.0	14.0
150	15.5	15.2	15.1	14.8	14.7	14.7	14.7	14.7	14.8	14.9	15.1	15.3	15.7	16.0	16.1	16.3	16.5	16.6	16.6
155	17.3	17.1	17.1	17.0	16.9	16.9	16.9	17.0	17.0	17.1	17.3	17.3	17.7	17.8	17.9	18.0	18.1	18.2	18.2
160	17.8	17.8	17.8	18.0	18.1	18.1	18.1	18.2	18.2	18.3	18.1	18.2	18.3	18.3	18.3	18.5	18.5	18.5	18.5
165	17.3	17.4	17.4	17.6	17.9	18.1	18.2	18.2	18.0	17.9	17.8	17.8	17.8	17.7	17.7	17.5	17.5	17.6	17.6
170	16.1	16.2	16.2	16.3	16.5	16.7	16.7	16.8	16.6	16.7	16.7	16.6	16.6	16.6	16.5	16.3	16.1	16.0	16.0
175	15.5	15.5	15.5	15.7	15.8	15.7	15.6	15.7	15.7	16.0	15.9	15.8	16.0	16.0	16.1	16.0	15.7	15.5	15.3
180	15.8	15.9	15.8	16.0	15.8	15.6	15.6	15.5	15.6	15.8	15.7	15.6	15.9	15.8	15.9	16.0	15.8	15.6	15.6

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-VF63RA01-15W	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	3001	3001	3001	3001	3001														
5	2862	2862	2857	2865	2868														
10	2557	2567	2566	2589	2602														
15	1974	2015	2025	2087	2118														
20	1174	1240	1259	1347	1384														
25	405	451	480	532	570														
30	107	123	125	150	155														
35	55.4	56.7	57.4	59.9	62.4														
40	38.8	39.2	39.3	40.6	41.7														
45	22.2	23.0	23.6	25.3	26.4														
50	16.1	15.8	15.8	16.1	16.3														
55	13.2	13.2	13.1	13.3	13.4														
60	10.9	10.8	10.8	10.9	10.9														
65	9.47	9.33	9.18	9.14	9.08														
70	8.01	7.98	7.92	7.71	6.93														
75	5.82	5.86	5.55	4.79	3.28														
80	2.43	2.57	2.36	1.83	0.78														
85	0.62	0.59	0.55	0.45	0.39														
90	0.35	0.35	0.38	0.37	0.35														
95	0.35	0.38	0.37	0.35	0.33														
100	0.39	0.40	0.38	0.40	0.38														
105	0.45	0.47	0.45	0.46	0.44														
110	0.59	0.59	0.57	0.57	0.56														
115	0.94	0.91	0.90	0.86	0.85														
120	1.82	1.73	1.72	1.61	1.59														
125	3.34	3.23	3.19	3.04	2.95														
130	5.50	5.34	5.30	5.07	4.97														
135	8.13	7.95	7.90	7.62	7.51														
140	11.1	10.9	10.8	10.5	10.4														
145	14.0	13.8	13.7	13.4	13.3														
150	16.6	16.4	16.2	16.0	15.9														
155	18.1	18.0	17.8	17.6	17.5														
160	18.4	18.3	18.2	17.9	17.8														
165	17.4	17.3	17.1	17.0	17.1														
170	15.9	15.7	15.6	15.6	15.7														
175	15.3	15.4	15.4	15.1	15.1														
180	15.5	15.6	15.8	15.7	15.5														

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: