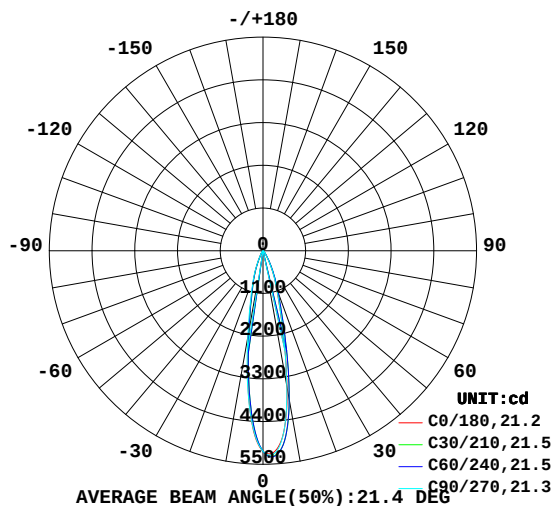


LUMINAIRE PHOTOMETRIC TEST REPORT

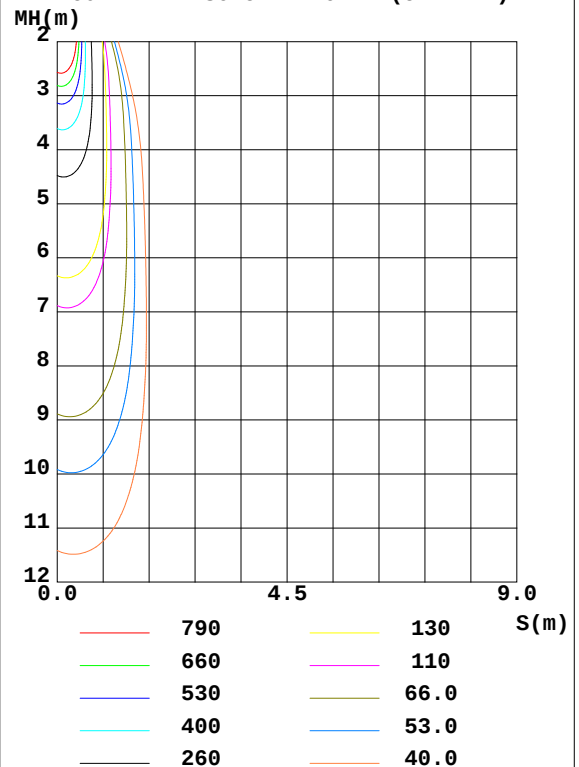
NAME: VM060-VF63RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.45 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5336	S/MH(C0/180)	0.30
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.31
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1203.1	η UP, DN(C0-180)	1.1, 56.6
NOMINAL FLUX(lm)	1203.11	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 40.9
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	1.00

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:

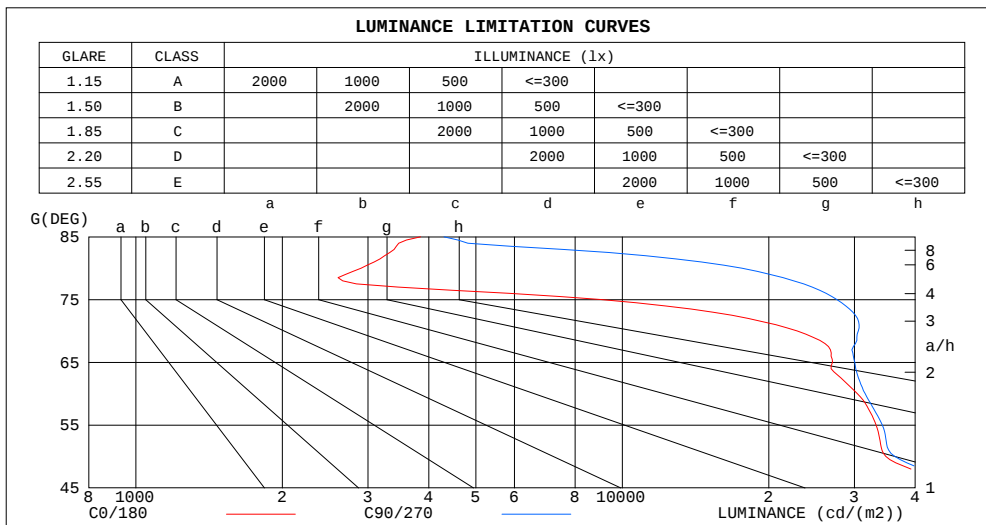
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3569	4016	3537	2779	2161	2019	2264	2728	0- 10	376.7	376.7	31.3, 31.3
20	1019	1173	1022	822.7	650.2	603.1	667.4	805.2	10- 20	433.4	810.1	67.3, 67.3
30	282.8	344.3	283.3	199.9	136.0	122.6	143.2	194.7	20- 30	209.7	1020	84.8, 84.8
40	82.61	93.46	80.98	63.52	51.20	46.63	51.04	60.97	30- 40	73.99	1094	90.9, 90.9
50	30.69	34.02	32.36	28.50	26.55	25.58	26.56	27.40	40- 50	33.35	1127	93.7, 93.7
60	20.86	22.82	21.88	20.05	17.91	16.95	17.36	18.62	50- 60	21.60	1149	95.5, 95.5
70	10.73	14.81	14.48	13.99	10.76	11.81	12.03	12.95	60- 70	15.79	1165	96.8, 96.8
80	0.6917	4.656	4.240	4.127	1.296	3.268	3.776	3.108	70- 80	8.317	1173	97.5, 97.5
90	0.3961	0.4477	0.3626	0.4810	0.3939	0.5106	0.3803	0.4834	80- 90	1.109	1174	97.6, 97.6
100	0.4331	0.4421	0.4246	0.4478	0.4970	0.5015	0.5153	0.4542	90-100	0.4669	1174	97.6, 97.6
110	0.6563	0.5946	0.5881	0.6497	0.7664	0.8106	0.7766	0.6604	100-110	0.5916	1175	97.7, 97.7
120	1.181	1.035	1.083	1.286	1.652	1.842	1.647	1.342	110-120	0.9488	1176	97.7, 97.7
130	2.899	2.584	2.860	3.413	4.488	4.972	4.408	3.545	120-130	2.051	1178	97.9, 97.9
140	7.547	7.078	7.623	8.728	10.44	11.04	10.29	9.017	130-140	4.636	1183	98.3, 98.3
150	13.63	13.17	13.66	14.49	15.46	15.77	15.39	14.56	140-150	7.430	1190	98.9, 98.9
160	16.23	16.25	16.47	16.64	16.68	16.66	16.79	16.46	150-160	7.308	1197	99.5, 99.5
170	14.42	14.43	14.51	13.88	13.61	13.09	13.26	13.54	160-170	4.452	1202	99.9, 99.9
180	11.97	11.99	11.51	11.69	11.97	11.98	11.50	11.68	170-180	1.215	1203	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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3846	4301
80	2904	17613
75	9058	27606
70	22868	30543
65	27053	30046
60	30414	31568
55	33246	34223
50	34795	36321
45	50932	52168

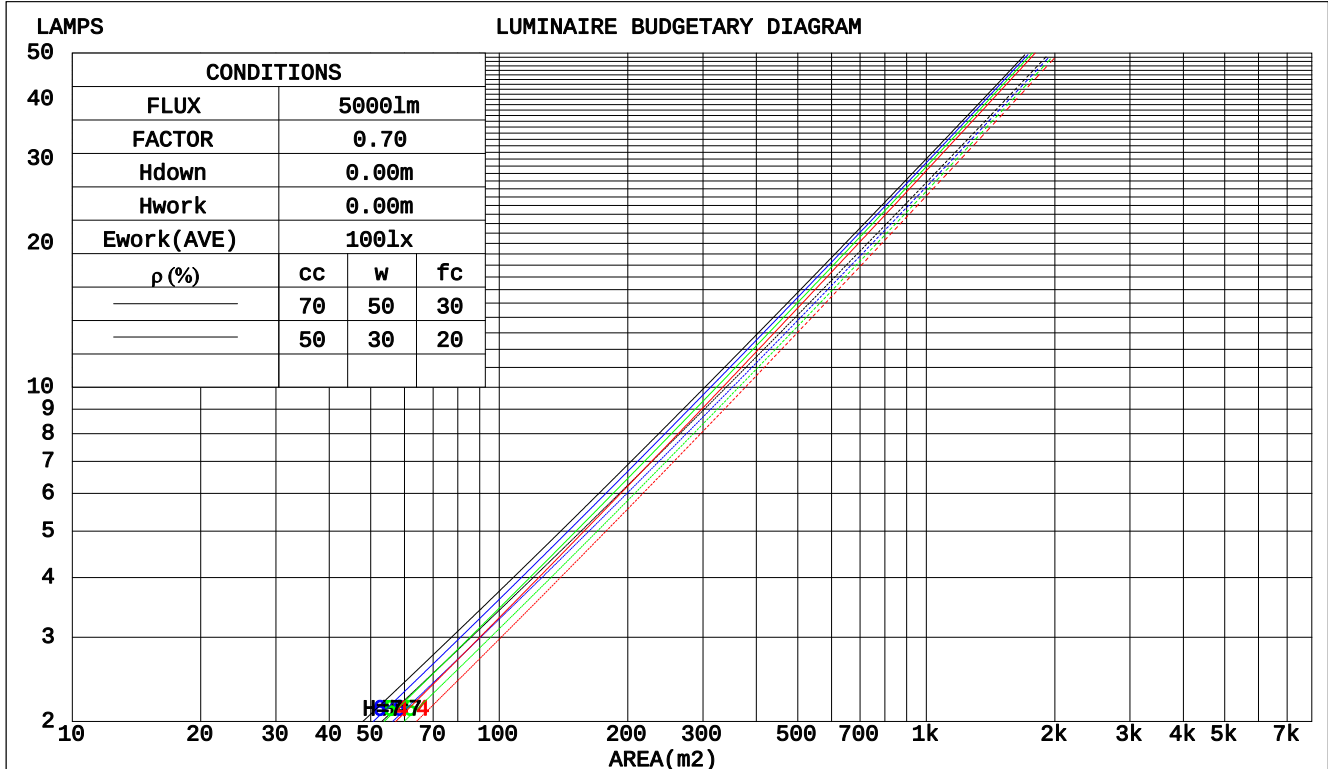
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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-CRI90-15D	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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
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	1.01	.99	1.03	.99	.97	.99	.97	.95	.96	.94	.92	.93	.92	.90	.89
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.92	.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	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.78
6.0	.87	.82	.79	.86	.82	.78	.84	.80	.78	.83	.79	.77	.81	.78	.76	.75
7.0	.84	.79	.75	.83	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.72
8.0	.80	.76	.73	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.73	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.69	.75	.72	.69	.74	.71	.69	.68
10.0	.75	.71	.68	.75	.70	.68	.74	.70	.67	.73	.70	.67	.72	.69	.67	.66



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-CRI90-15D	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	.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	.118	.066	.021	.109	.061	.019		
3.0	.137	.073	.022	.132	.071	.021	.122	.066	.020	.113	.062	.019	.104	.058	.018		
4.0	.129	.067	.020	.124	.065	.019	.115	.061	.018	.108	.058	.017	.100	.054	.017		
5.0	.121	.062	.018	.117	.060	.017	.109	.057	.017	.103	.054	.016	.096	.051	.015		
6.0	.114	.057	.016	.110	.056	.016	.104	.053	.016	.098	.051	.015	.092	.049	.014		
7.0	.108	.053	.015	.105	.052	.015	.099	.050	.014	.094	.048	.014	.089	.046	.014		
8.0	.102	.050	.014	.100	.049	.014	.095	.047	.013	.090	.045	.013	.085	.044	.013		
9.0	.098	.047	.013	.095	.046	.013	.091	.045	.013	.086	.043	.012	.082	.042	.012		
10.0	.093	.045	.012	.091	.044	.012	.087	.043	.012	.083	.041	.012	.079	.040	.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	.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	.125	.101	.083	.086	.071	.058	.050	.041	.034	.016	.013	.011		
5.0	.136	.105	.082	.117	.091	.072	.080	.064	.051	.047	.037	.030	.015	.012	.010		
6.0	.127	.095	.073	.110	.083	.063	.076	.058	.045	.044	.034	.027	.014	.011	.009		
7.0	.120	.088	.065	.103	.076	.056	.071	.053	.040	.041	.031	.024	.013	.010	.008		
8.0	.114	.081	.058	.098	.070	.051	.068	.049	.036	.039	.029	.022	.013	.010	.007		
9.0	.108	.075	.053	.093	.065	.047	.065	.046	.033	.038	.027	.020	.012	.009	.007		
10.0	.103	.071	.049	.089	.061	.043	.062	.043	.031	.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-VF63RA01-15W						TYPE:indoor lights			WEIGHT:1		
SPEC.:3000K-CRI90-15D						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						19.6	20.3	19.8	20.5	20.7	19.7
3H						20.2	20.9	20.5	21.1	21.4	20.5
4H						20.3	21.0	20.6	21.2	21.5	20.9
6H						20.2	20.9	20.6	21.1	21.4	21.1
8H						20.2	20.8	20.5	21.1	21.4	21.1
12H						20.1	20.7	20.5	21.0	21.3	21.1
4H 2H						19.8	20.5	20.1	20.7	21.0	19.9
3H						20.7	21.3	21.1	21.6	21.9	21.0
4H						20.9	21.4	21.3	21.8	22.1	21.5
6H						20.8	21.3	21.2	21.7	22.1	21.8
8H						20.8	21.2	21.2	21.6	22.0	21.8
12H						20.7	21.1	21.2	21.5	22.0	21.7
8H 4H						21.1	21.5	21.5	21.9	22.3	21.6
6H						21.0	21.4	21.5	21.8	22.3	21.9
8H						21.0	21.3	21.5	21.8	22.3	22.0
12H						20.9	21.2	21.4	21.7	22.2	21.9
12H 4H						21.0	21.4	21.5	21.9	22.3	21.6
6H						21.0	21.4	21.5	21.8	22.3	21.9
8H						21.0	21.3	21.5	21.7	22.3	21.9
Variations with the observer position at spacings:											
S = 1.0H						+ 0.9 / - 1.1			+ 0.7 / - 0.8		
1.5H						+ 1.6 / - 1.2			+ 1.2 / - 0.8		
2.0H						+ 1.2 / - 0.8			+ 1.0 / - 0.6		

CIE Pub.117, 1203 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.6$)

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:

UTILIZATION FACTORS TABLE

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

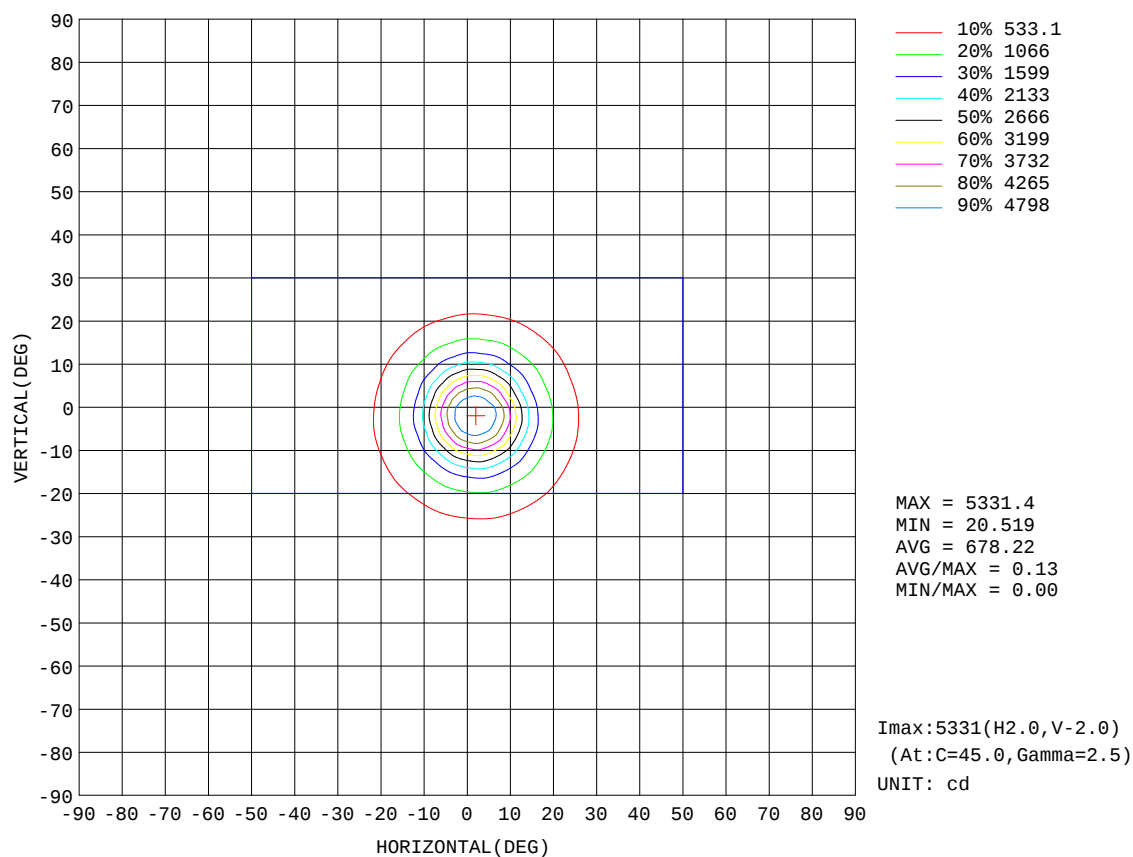
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	85	79	76	84	79	75	72
0.80	93	87	84	93	87	83	91	86	83	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	100	96	92	98	94	91	87
1.50	104	100	96	103	99	95	100	97	94	89
2.00	107	103	100	106	102	99	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	106	103	105	102	100	93
4.00	113	110	108	111	108	106	107	105	103	95
5.00	114	112	110	112	110	108	107	106	105	96
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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

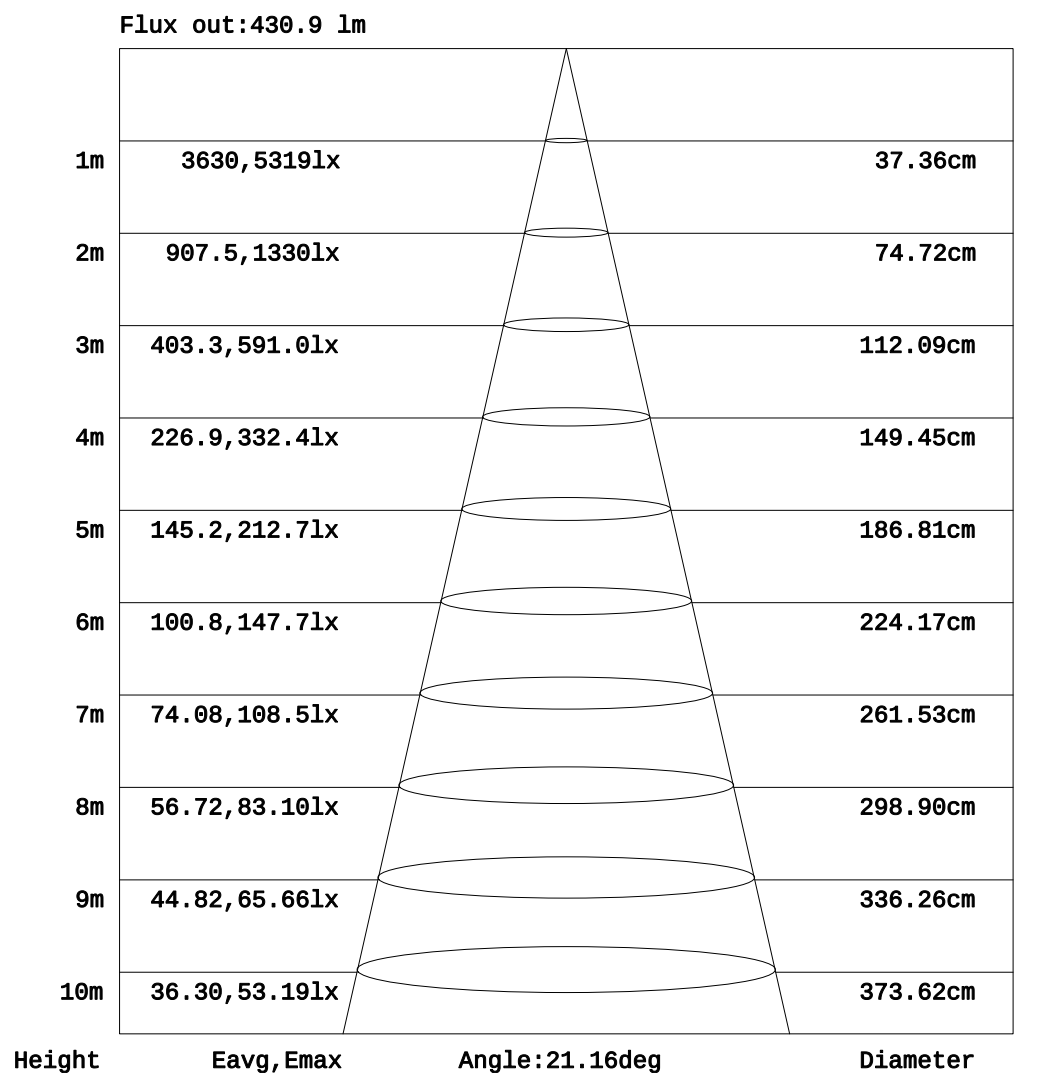


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-10

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



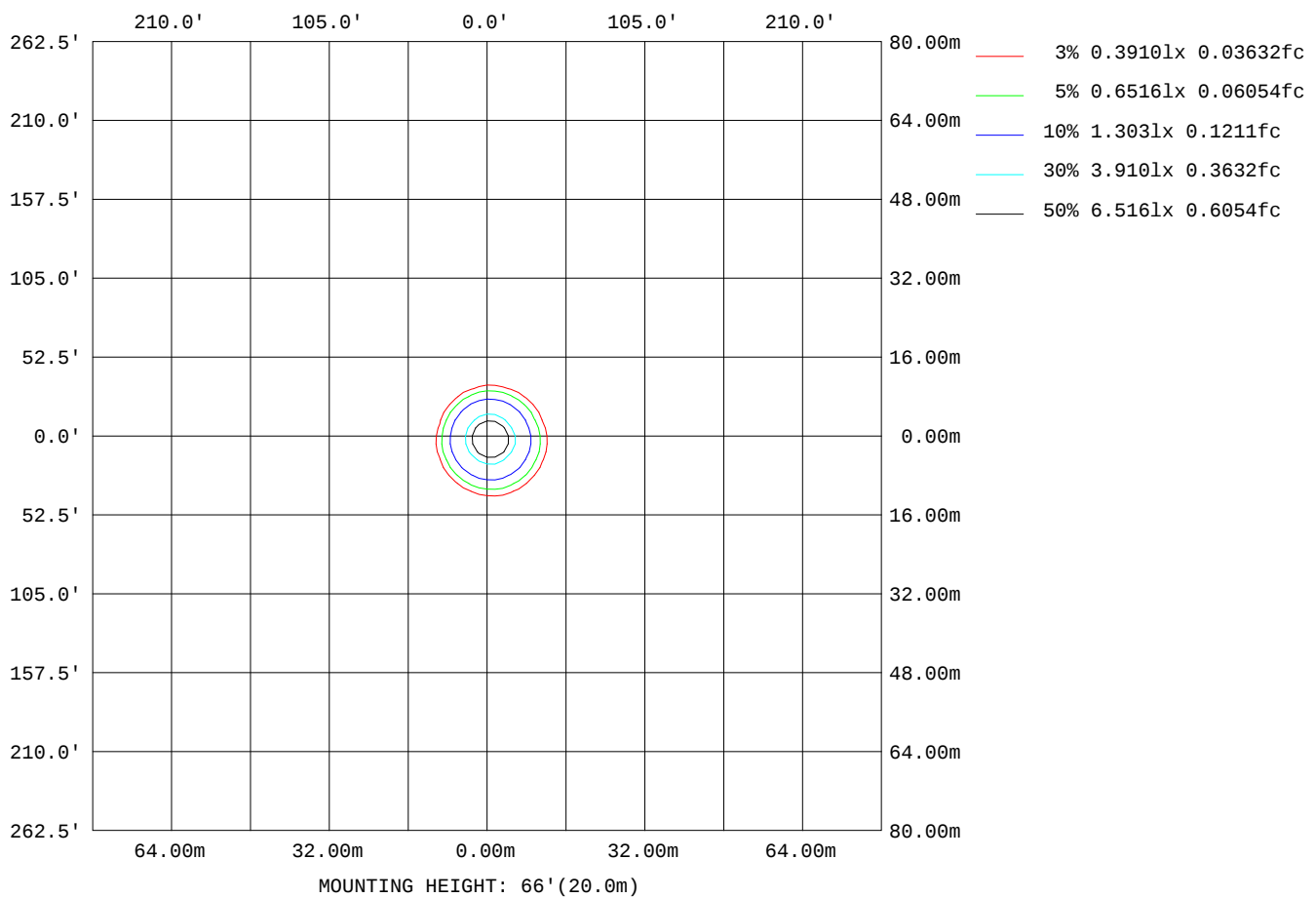
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-CRI90-15D	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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

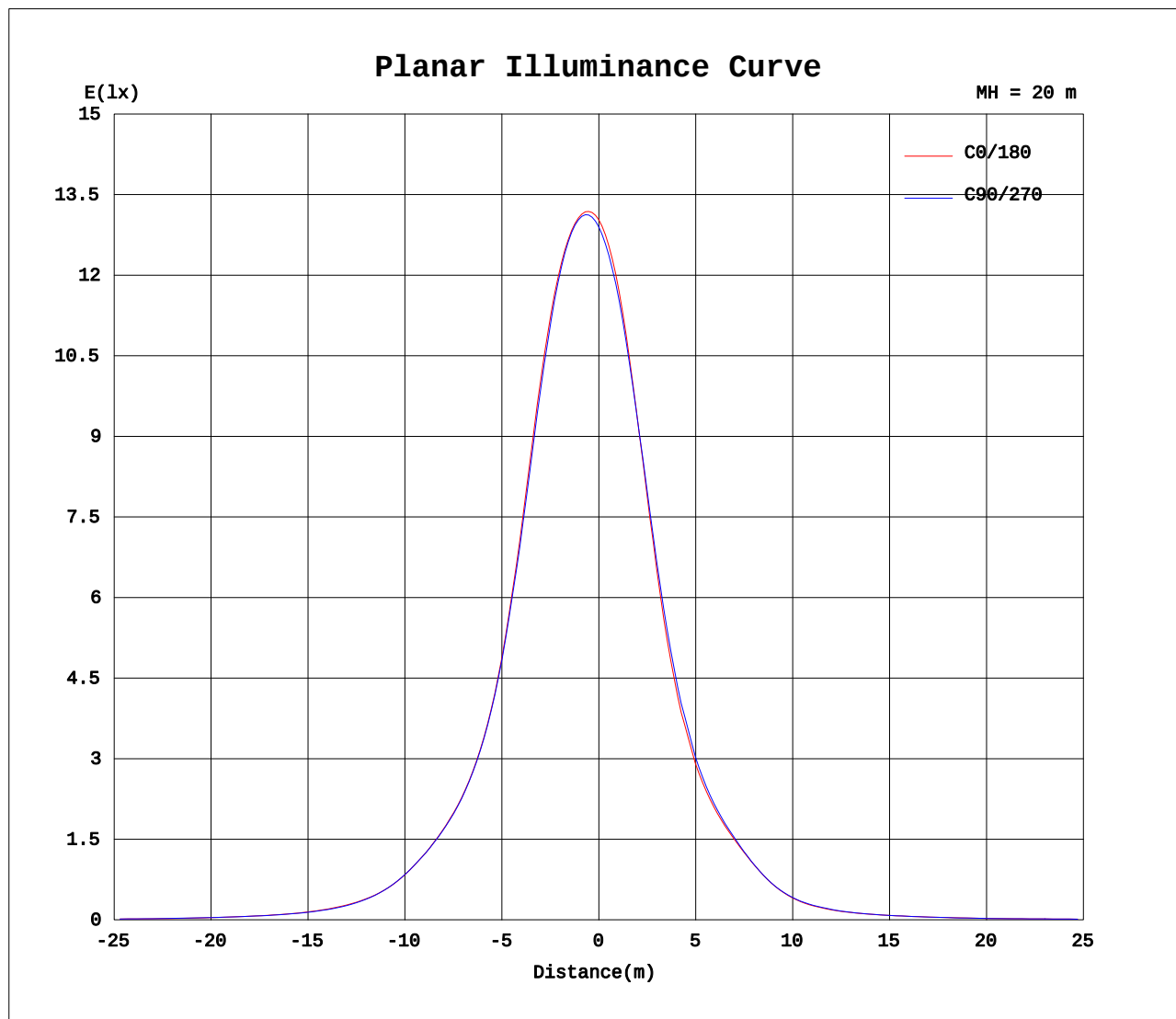
AvgL	cd/m2
L_0~180(65)av	25920
L_0~180(75)av	11859
L_0~180(85)av	4658
L_90~270(65)av	27421
L_90~270(75)av	25951
L_90~270(85)av	5550
L_45(65)av	27429
L_45(75)av	25527
L_45(85)av	5866

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-CRI90-15D	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	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165	5165
5	4998	5133	5155	5212	5164	5159	5028	4939	4726	4584	4350	4230	4008	3863	3849	3790	3860	3887	4030
10	3569	3850	3901	4016	3884	3830	3537	3349	2985	2779	2488	2370	2161	2048	2052	2019	2090	2120	2264
15	1858	2051	2099	2198	2112	2066	1864	1736	1532	1437	1282	1220	1123	1070	1075	1063	1100	1113	1180
20	1019	1103	1125	1173	1133	1115	1022	969	873	823	749	712	650	613	611	603	620	628	667
25	582	632	643	675	652	641	587	549	481	440	377	347	299	271	269	263	274	279	304
30	283	314	326	344	330	321	283	257	221	200	170	155	136	122	124	123	129	131	143
35	146	157	163	173	167	161	141	129	113	103	91.0	84.6	77.3	73.3	71.6	71.4	73.6	75.2	79.4
40	82.6	89.1	90.0	93.5	91.1	88.4	81.0	75.3	67.8	63.5	58.5	55.1	51.2	48.5	47.1	46.6	47.9	48.5	51.0
45	49.4	53.7	54.2	56.7	55.8	55.0	51.1	47.9	43.3	40.9	37.9	36.1	33.6	32.0	31.1	30.7	31.5	31.8	32.9
50	30.7	32.3	32.4	34.0	34.1	34.0	32.4	31.1	29.1	28.5	27.7	27.2	26.6	26.2	25.7	25.6	25.8	26.1	26.6
55	26.2	27.2	27.2	27.9	28.0	28.1	27.2	26.6	25.2	24.4	23.5	22.9	22.1	21.7	21.3	21.0	21.1	21.2	21.5
60	20.9	22.1	22.3	22.8	22.6	22.6	21.9	21.5	20.6	20.1	19.2	18.7	17.9	17.4	17.2	16.9	17.0	17.1	17.4
65	15.7	17.1	17.7	18.1	17.9	18.1	17.6	17.4	16.8	16.4	15.8	15.3	14.7	14.5	14.6	14.4	14.4	14.4	14.5
70	10.7	12.7	14.2	14.8	14.7	14.7	14.5	14.5	14.1	14.0	13.6	12.1	10.8	10.5	11.7	11.8	11.8	11.8	12.0
75	3.22	6.05	8.76	10.5	10.2	10.2	9.90	9.98	9.64	9.65	9.02	6.70	5.28	5.57	7.81	8.44	8.51	8.48	8.70
80	0.69	0.85	2.85	4.66	4.48	4.54	4.24	4.35	4.07	4.13	3.40	2.32	1.30	2.07	2.94	3.27	3.64	3.54	3.78
85	0.46	0.56	0.57	0.63	0.58	0.56	0.52	0.60	0.65	0.70	0.76	0.77	0.66	0.70	0.80	0.92	0.93	0.91	0.82
90	0.40	0.45	0.50	0.45	0.42	0.38	0.36	0.39	0.45	0.48	0.51	0.48	0.39	0.52	0.52	0.51	0.45	0.45	0.38
95	0.43	0.40	0.40	0.42	0.39	0.38	0.37	0.38	0.42	0.44	0.38	0.39	0.41	0.41	0.43	0.49	0.47	0.42	0.43
100	0.43	0.44	0.42	0.44	0.42	0.44	0.42	0.45	0.44	0.45	0.43	0.46	0.50	0.49	0.51	0.50	0.52	0.50	0.52
105	0.53	0.53	0.49	0.52	0.49	0.51	0.50	0.52	0.50	0.53	0.52	0.55	0.60	0.60	0.62	0.63	0.64	0.62	0.61
110	0.66	0.61	0.59	0.59	0.58	0.60	0.59	0.61	0.62	0.65	0.66	0.70	0.77	0.78	0.80	0.81	0.81	0.79	0.78
115	0.85	0.80	0.76	0.74	0.72	0.75	0.75	0.79	0.81	0.86	0.91	0.97	1.07	1.14	1.15	1.18	1.16	1.14	1.08
120	1.18	1.13	1.08	1.03	1.02	1.05	1.08	1.14	1.21	1.29	1.40	1.47	1.65	1.77	1.79	1.84	1.79	1.77	1.65
125	1.81	1.71	1.67	1.61	1.61	1.64	1.73	1.80	1.95	2.06	2.26	2.37	2.69	2.88	2.93	2.99	2.91	2.86	2.67
130	2.90	2.75	2.70	2.58	2.66	2.72	2.86	2.99	3.22	3.41	3.72	3.94	4.49	4.79	4.84	4.97	4.80	4.73	4.41
135	4.79	4.53	4.42	4.34	4.48	4.54	4.80	4.99	5.38	5.66	6.15	6.45	7.22	7.59	7.67	7.81	7.62	7.50	7.10
140	7.55	7.24	7.15	7.08	7.20	7.31	7.62	7.91	8.36	8.73	9.26	9.62	10.4	10.8	10.9	11.0	10.8	10.7	10.3
145	10.8	10.5	10.4	10.2	10.4	10.5	10.8	11.1	11.6	11.9	12.4	12.7	13.4	13.7	13.7	13.9	13.7	13.6	13.3
150	13.6	13.4	13.3	13.2	13.3	13.4	13.7	13.9	14.2	14.5	14.8	15.0	15.5	15.7	15.7	15.8	15.6	15.7	15.4
155	15.4	15.3	15.2	15.2	15.2	15.4	15.5	15.7	15.9	16.0	16.2	16.3	16.6	16.7	16.7	16.7	16.7	16.7	16.6
160	16.2	16.2	16.1	16.2	16.3	16.4	16.5	16.6	16.6	16.6	16.5	16.5	16.7	16.7	16.6	16.7	16.7	16.8	16.8
165	15.9	16.0	15.8	16.0	16.1	16.4	16.4	16.4	16.1	15.9	15.6	15.5	15.5	15.5	15.3	15.2	15.3	15.5	15.6
170	14.4	14.5	14.4	14.4	14.4	14.6	14.5	14.4	14.0	13.9	13.8	13.6	13.6	13.5	13.3	13.1	13.0	13.1	13.3
175	12.7	12.8	12.7	12.9	12.8	12.6	12.4	12.3	12.2	12.3	12.1	11.8	12.1	12.0	11.9	11.9	11.6	11.5	11.4
180	12.0	12.0	11.9	12.0	11.7	11.5	11.5	11.4	11.4	11.7	11.5	11.4	12.0	11.9	11.9	12.0	11.7	11.5	11.5

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

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

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	5165	5165	5165	5165	5165													
5	4130	4329	4469	4681	4803													
10	2357	2575	2728	3024	3211													
15	1220	1326	1400	1562	1650													
20	694	760	805	884	928													
25	325	374	413	474	512													
30	148	172	195	227	248													
35	84.0	93.1	102	117	128													
40	53.1	57.0	61.0	68.7	74.1													
45	33.7	35.3	37.1	41.3	44.3													
50	27.0	27.1	27.4	28.5	29.2													
55	21.9	22.6	23.1	24.2	24.9													
60	17.6	18.2	18.6	19.4	20.0													
65	14.7	14.9	15.2	15.6	15.0													
70	12.3	12.8	12.9	11.3	9.48													
75	8.74	9.09	8.04	5.08	2.10													
80	3.72	4.03	3.11	0.98	0.67													
85	0.80	0.70	0.58	0.49	0.46													
90	0.39	0.44	0.48	0.47	0.42													
95	0.40	0.43	0.43	0.42	0.40													
100	0.49	0.49	0.45	0.46	0.43													
105	0.58	0.58	0.56	0.55	0.52													
110	0.73	0.71	0.66	0.66	0.64													
115	1.02	0.95	0.89	0.86	0.86													
120	1.57	1.43	1.34	1.25	1.23													
125	2.53	2.28	2.16	1.98	1.92													
130	4.18	3.80	3.55	3.28	3.13													
135	6.78	6.26	5.91	5.42	5.22													
140	9.97	9.41	9.02	8.46	8.13													
145	13.0	12.5	12.1	11.7	11.3													
150	15.2	14.8	14.6	14.2	14.0													
155	16.5	16.2	16.0	15.8	15.6													
160	16.7	16.6	16.5	16.3	16.3													
165	15.6	15.6	15.5	15.7	15.8													
170	13.3	13.5	13.5	13.8	14.1													
175	11.6	11.8	12.0	12.0	12.2													
180	11.4	11.4	11.7	11.5	11.4													

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: