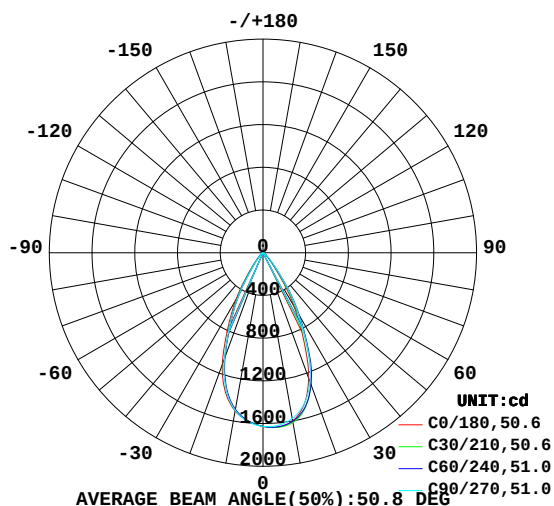


LUMINAIRE PHOTOMETRIC TEST REPORT

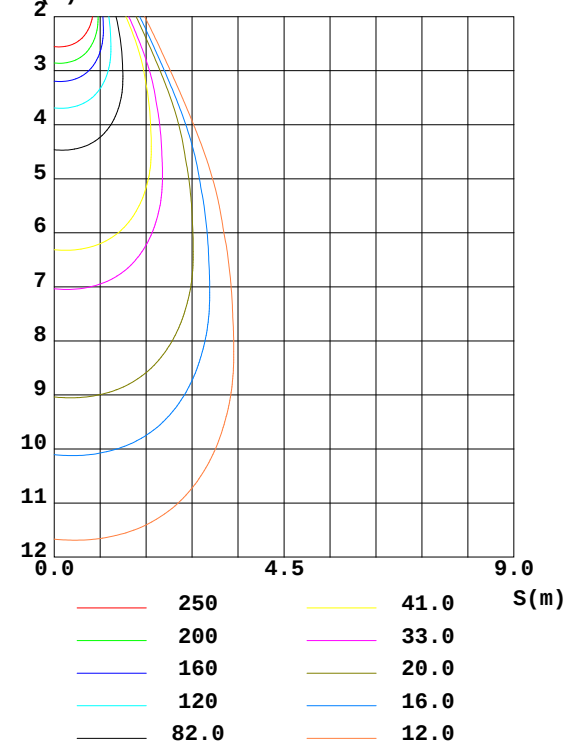
NAME: VM060-VF63RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 92.88 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	1642	S/MH(C0/180)	0.76	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.73	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1249.8	η UP, DN(C0-180)	1.1, 53.6	
NOMINAL FLUX(lm)	1249.81	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 44.0	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.80	

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:

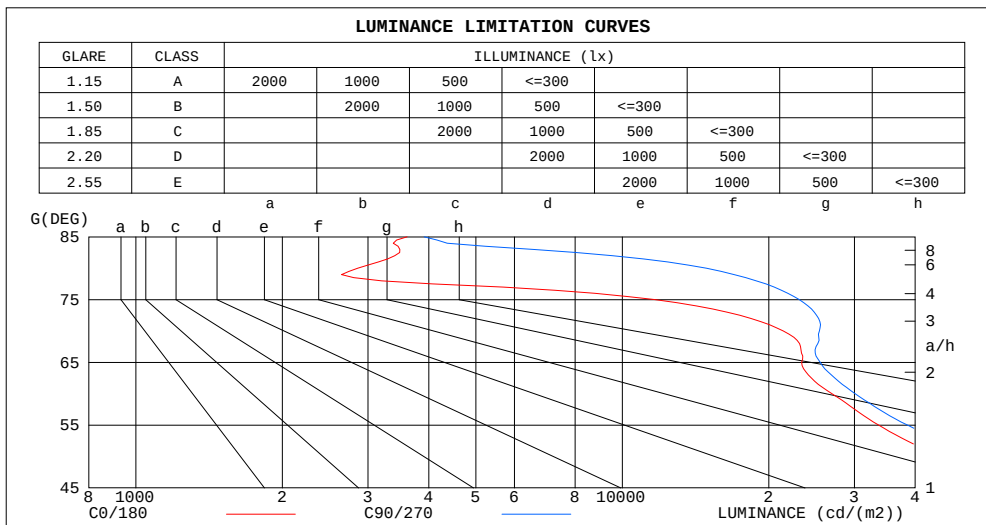
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1598	1614	1577	1538	1504	1487	1497	1544	0- 10	151.5	151.5	12.1,12.1
20	1249	1329	1286	1224	1115	1033	1054	1119	10- 20	389.4	540.9	43.3,43.3
30	586.8	681.1	670.5	621.2	508.4	440.2	440.2	478.3	20- 30	387.4	928.4	74.3,74.3
40	140.4	179.0	186.1	165.7	123.3	93.15	89.94	105.5	30- 40	189.2	1118	89.4,89.4
50	40.42	46.65	49.81	43.06	34.79	29.28	29.47	32.89	40- 50	56.32	1174	93.9,93.9
60	18.58	20.34	20.85	19.76	17.68	16.32	16.36	16.85	50- 60	23.59	1197	95.8,95.8
70	10.09	11.93	12.05	12.12	10.12	11.44	11.28	11.48	60- 70	14.15	1212	96.9,96.9
80	0.6838	3.113	3.581	3.620	1.018	3.046	3.489	3.323	70- 80	7.538	1219	97.5,97.5
90	0.3695	0.4016	0.3535	0.3787	0.3341	0.3774	0.3559	0.4098	80- 90	0.9585	1220	97.6,97.6
100	0.4527	0.4459	0.4263	0.4543	0.4796	0.4963	0.5329	0.4826	90-100	0.4341	1221	97.7,97.7
110	0.9400	0.8015	0.7838	0.8489	1.019	1.173	1.192	1.089	100-110	0.7083	1221	97.7,97.7
120	2.368	2.007	2.011	2.155	2.585	2.955	2.935	2.725	110-120	1.597	1223	97.8,97.8
130	4.989	4.496	4.491	4.801	5.474	5.961	5.927	5.519	120-130	3.331	1226	98.1,98.1
140	8.444	7.963	7.965	8.341	9.163	9.639	9.600	9.089	130-140	5.342	1232	98.5,98.5
150	11.91	11.41	11.50	11.78	12.51	12.87	12.88	12.32	140-150	6.562	1238	99.1,99.1
160	14.01	13.89	13.93	14.01	14.34	14.56	14.64	14.16	150-160	6.121	1244	99.6,99.6
170	15.03	14.81	14.84	14.75	15.15	15.19	15.12	14.81	160-170	4.127	1248	99.9,99.9
180	15.93	15.99	15.69	15.80	15.94	15.98	15.69	15.81	170-180	1.456	1250	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3610	3915
80	2857	14886
75	11654	23094
70	21409	25420
65	23372	25507
60	26968	30106
55	33632	38552
50	45628	55932
45	73838	96076

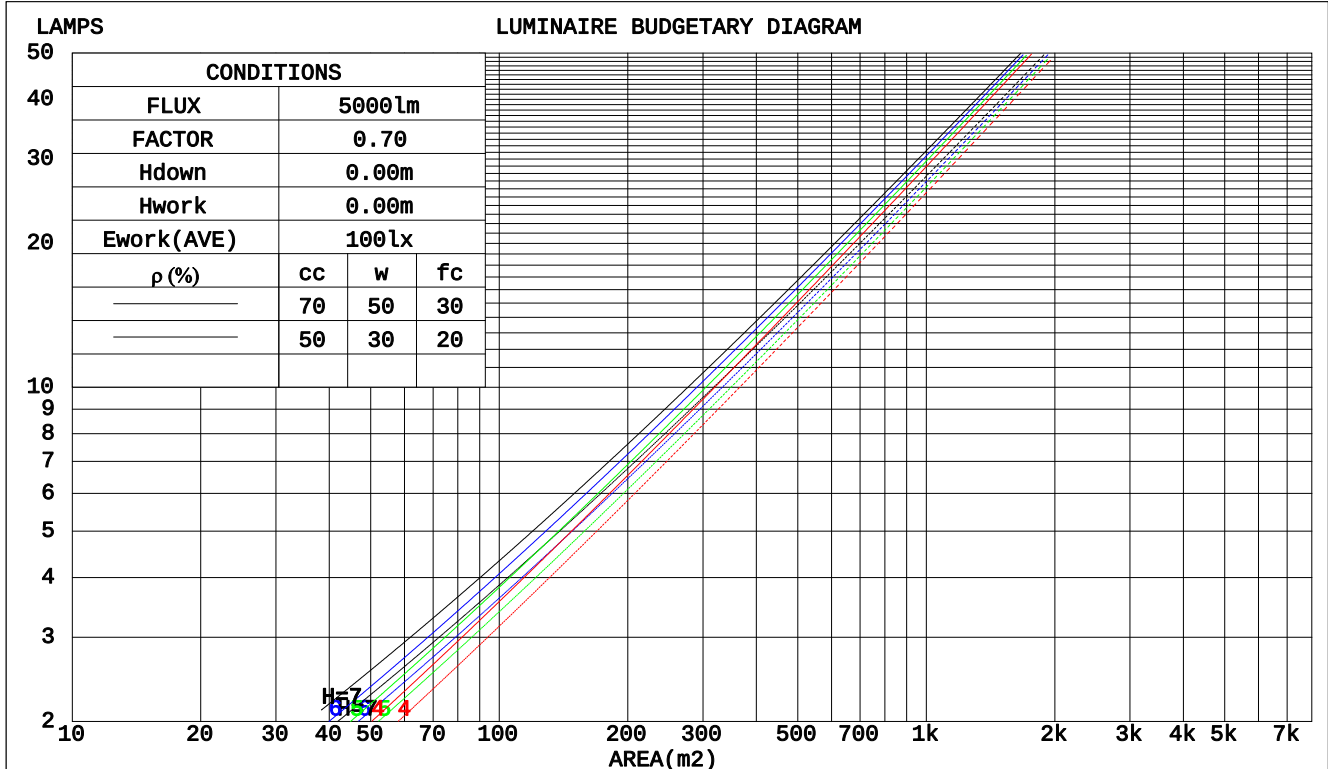
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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-CRI90-55D	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	1.10	1.08	1.05	1.08	1.05	1.03	1.03	1.01	.00	.99	.98	.96	.95	.94	.93	.91
2.0	1.02	.98	.95	1.00	.97	.94	.97	.94	.91	.94	.91	.89	.90	.89	.87	.85
3.0	.96	.91	.87	.94	.89	.86	.91	.87	.84	.88	.85	.83	.86	.83	.81	.79
4.0	.90	.84	.80	.88	.83	.79	.86	.81	.78	.84	.80	.77	.81	.78	.76	.74
5.0	.84	.78	.74	.83	.78	.74	.81	.76	.73	.79	.75	.72	.77	.74	.71	.70
6.0	.79	.73	.69	.78	.73	.69	.76	.72	.68	.75	.71	.67	.73	.70	.67	.65
7.0	.75	.69	.65	.74	.68	.64	.72	.68	.64	.71	.67	.63	.70	.66	.63	.62
8.0	.71	.65	.61	.70	.64	.61	.69	.64	.60	.68	.63	.60	.66	.62	.59	.58
9.0	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.63	.59	.56	.55
10.0	.64	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.60	.56	.53	.52



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-VF63RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	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	.180	.102	.032	.173	.098	.031	.159	.091	.029	.146	.084	.027	.134	.078	.025		
2.0	.171	.094	.029	.165	.091	.028	.153	.085	.026	.142	.080	.025	.132	.075	.024		
3.0	.162	.086	.026	.157	.084	.025	.147	.079	.024	.137	.075	.023	.128	.071	.022		
4.0	.154	.080	.023	.149	.078	.023	.140	.074	.022	.132	.071	.021	.124	.067	.021		
5.0	.146	.074	.022	.142	.073	.021	.134	.070	.021	.127	.067	.020	.120	.064	.019		
6.0	.139	.070	.020	.135	.068	.020	.128	.066	.019	.122	.063	.019	.116	.061	.018		
7.0	.132	.065	.019	.129	.064	.018	.123	.062	.018	.117	.060	.017	.112	.058	.017		
8.0	.126	.062	.017	.123	.061	.017	.118	.059	.017	.113	.057	.016	.108	.055	.016		
9.0	.121	.058	.016	.118	.058	.016	.113	.056	.016	.108	.054	.016	.104	.053	.015		
10.0	.116	.055	.015	.113	.055	.015	.109	.053	.015	.105	.052	.015	.100	.051	.015		

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	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.190	.176	.163	.162	.151	.140	.111	.104	.097	.064	.060	.056	.020	.019	.018	
2.0	.175	.151	.131	.149	.130	.113	.102	.090	.079	.059	.052	.046	.019	.017	.015	
3.0	.162	.132	.108	.139	.114	.094	.095	.079	.066	.055	.046	.039	.018	.015	.013	
4.0	.152	.117	.091	.130	.101	.079	.090	.071	.056	.052	.041	.033	.017	.013	.011	
5.0	.143	.106	.078	.123	.092	.068	.085	.064	.048	.049	.038	.029	.016	.012	.009	
6.0	.136	.097	.069	.117	.084	.060	.080	.059	.042	.047	.034	.025	.015	.011	.008	
7.0	.129	.089	.061	.111	.077	.053	.077	.054	.038	.045	.032	.022	.014	.010	.007	
8.0	.123	.083	.055	.106	.072	.048	.073	.050	.034	.043	.030	.020	.014	.010	.007	
9.0	.118	.078	.050	.102	.067	.044	.070	.047	.031	.041	.028	.019	.013	.009	.006	
10.0	.113	.073	.046	.098	.064	.041	.068	.045	.029	.040	.026	.017	.013	.009	.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-CRI90-55D						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						22.8	23.8	23.1	24.0	24.2	23.7
3H						22.9	23.7	23.2	24.0	24.2	23.7
4H						22.9	23.7	23.2	23.9	24.2	23.8
6H						22.8	23.5	23.1	23.8	24.1	23.8
8H						22.7	23.4	23.1	23.7	24.0	23.7
12H						22.7	23.4	23.0	23.7	24.0	23.7
4H 2H						22.7	23.5	23.0	23.8	24.0	23.5
3H						22.8	23.5	23.2	23.8	24.2	23.7
4H						22.9	23.5	23.2	23.8	24.2	23.8
6H						22.8	23.3	23.2	23.7	24.1	23.8
8H						22.7	23.2	23.1	23.6	24.0	23.7
12H						22.7	23.1	23.1	23.5	24.0	23.7
8H 4H						22.8	23.3	23.2	23.7	24.1	23.7
6H						22.7	23.1	23.2	23.6	24.0	23.7
8H						22.7	23.0	23.2	23.5	24.0	23.7
12H						22.6	22.9	23.1	23.4	23.9	23.6
12H 4H						22.8	23.2	23.2	23.6	24.1	23.6
6H						22.7	23.0	23.2	23.5	24.0	23.7
8H						22.6	22.9	23.1	23.4	23.9	23.6
Variations with the observer position at spacings:											
S = 1.0H						+ 1.9 / - 3.4			+ 2.4 / - 3.4		
1.5H						+ 3.4 / - 2.9			+ 4.1 / - 3.1		
2.0H						+ 3.0 / - 1.8			+ 3.3 / - 1.8		

CIE Pub.117, 1250 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.8$)

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:

UTILIZATION FACTORS TABLE

NAME: VM060-VF63RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

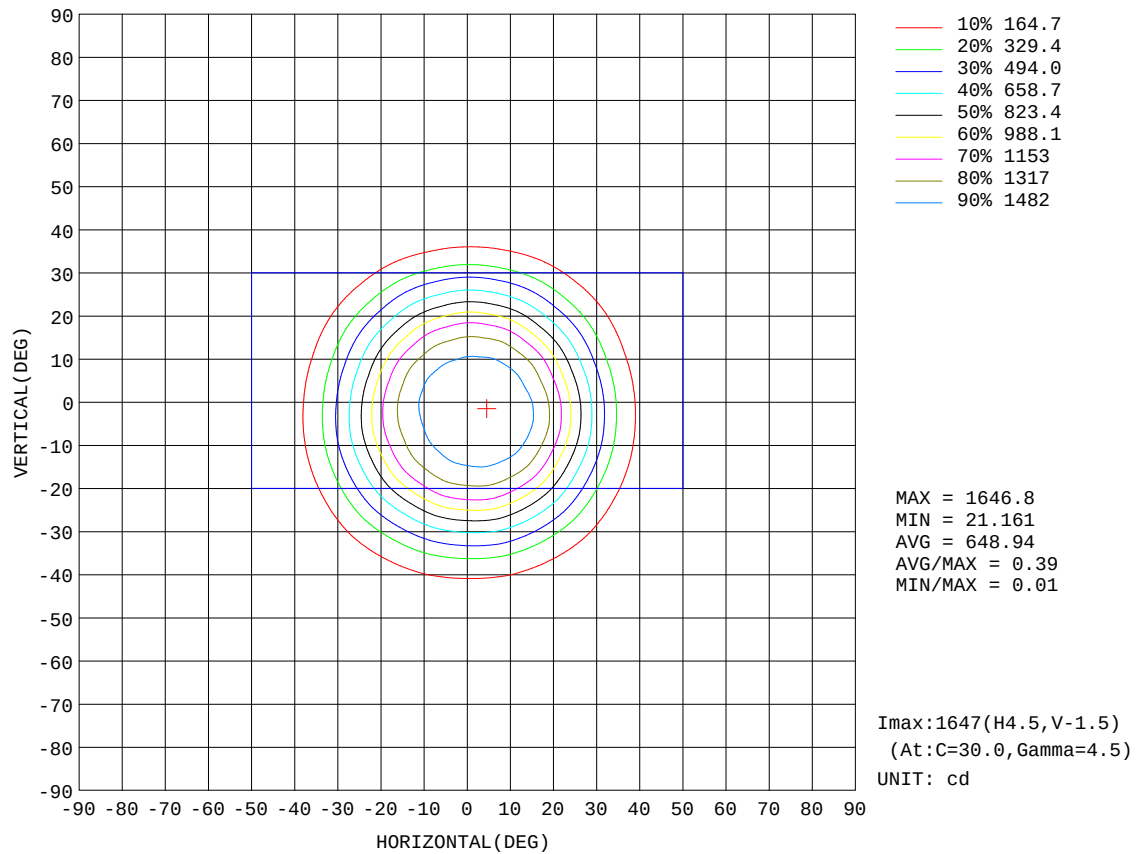
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	78	74	70
0.80	93	86	82	92	86	82	90	85	82	78
1.00	97	91	87	96	91	87	94	90	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	100	96	94	89
2.00	107	103	99	105	101	98	102	99	97	91
2.50	109	105	102	107	103	101	104	101	98	92
3.00	111	107	104	109	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	112	110	112	110	108	107	106	104	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

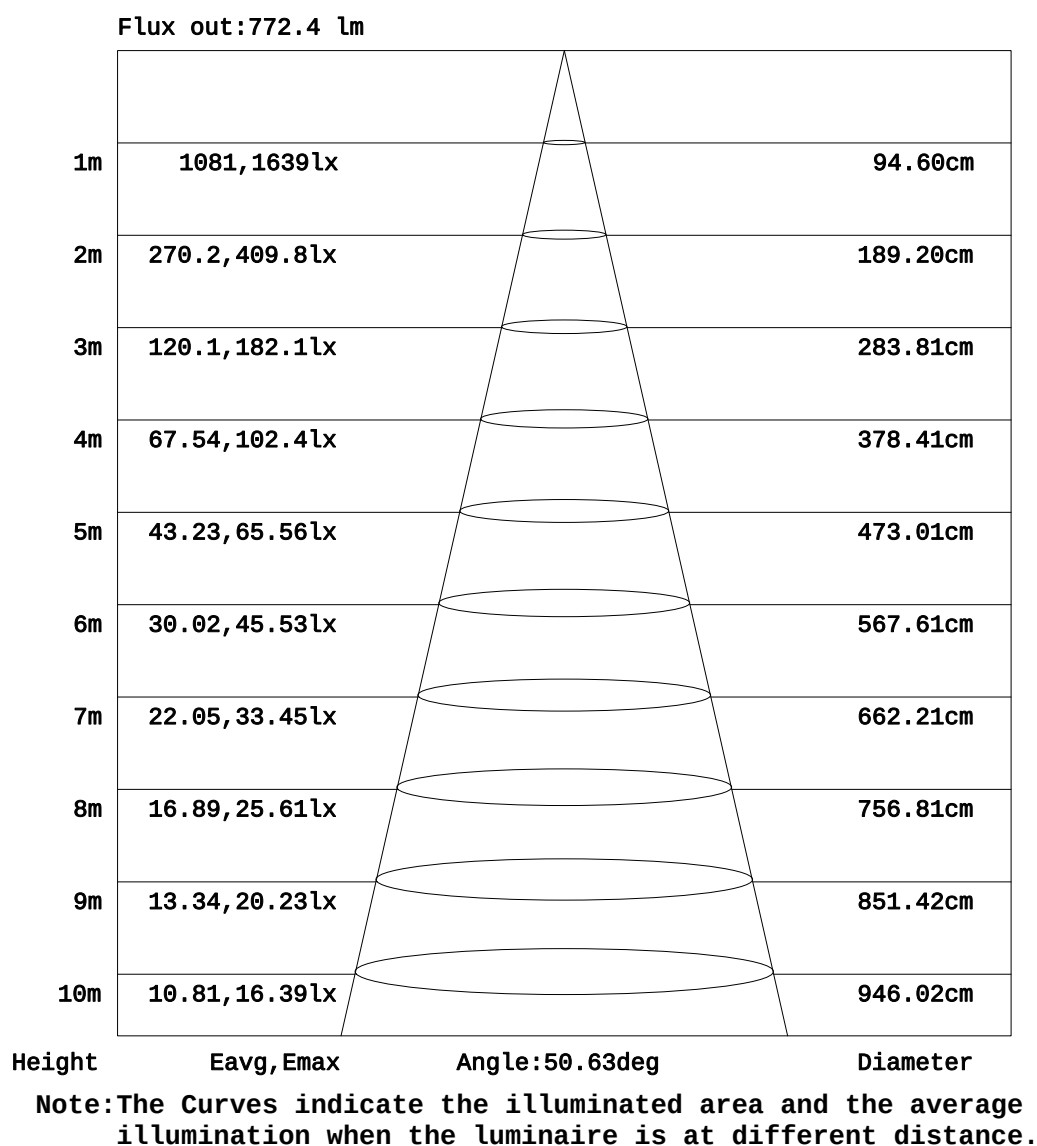


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-10

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

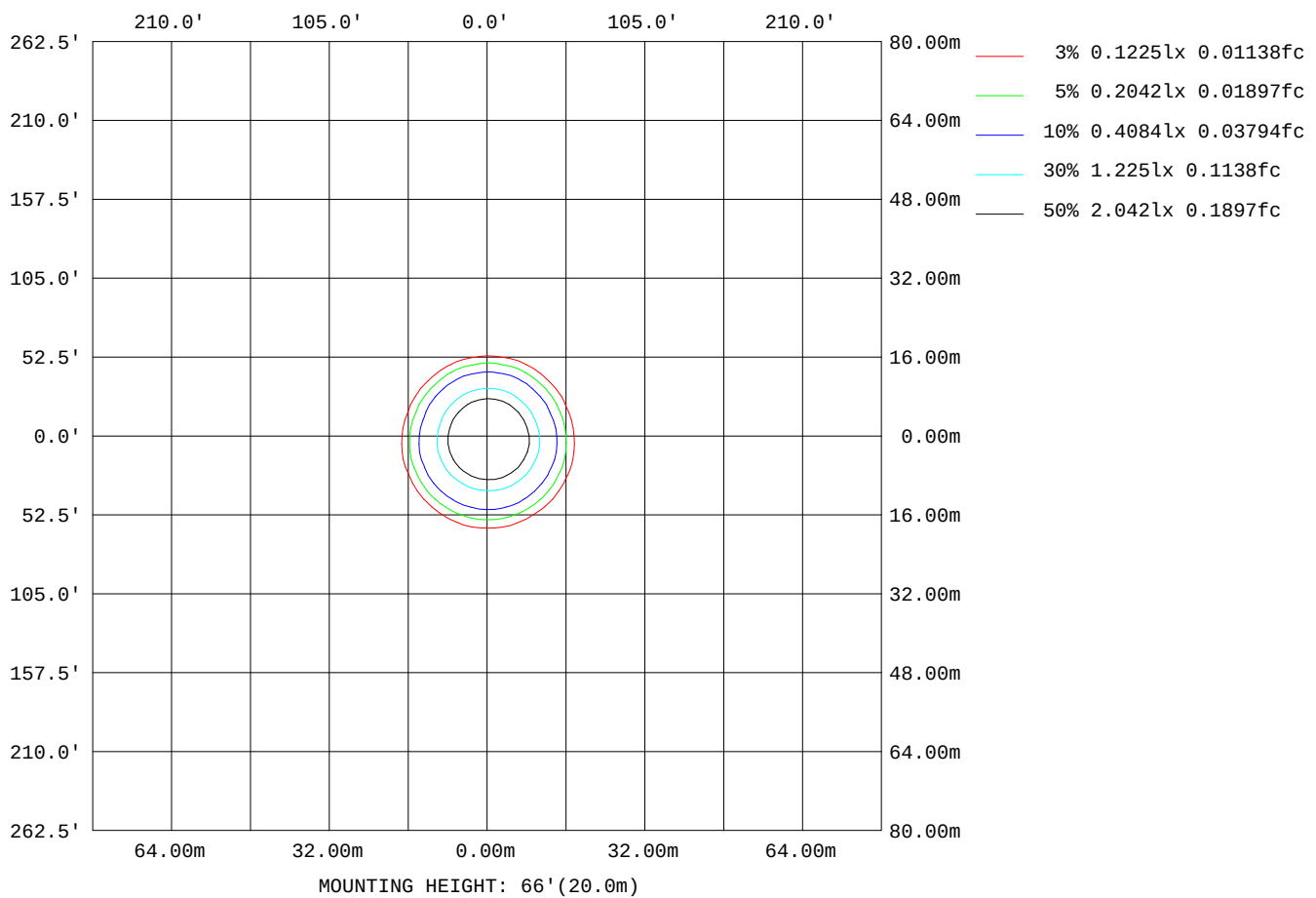


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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:

ISOLUX DIAGRAM

NAME: VM060-VF63RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

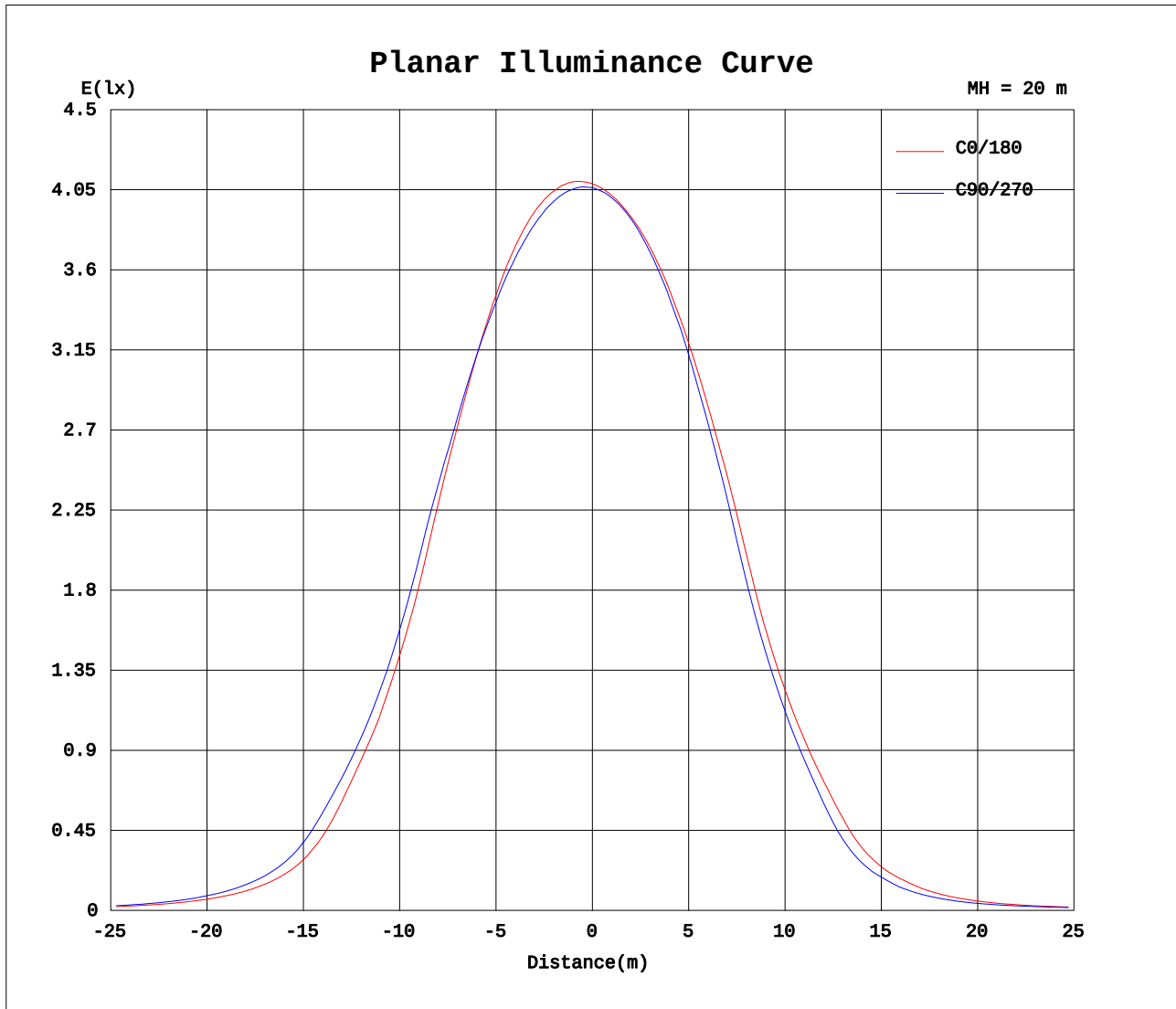
AvgL	cd/m2
L_0~180(65)av	23106
L_0~180(75)av	12680
L_0~180(85)av	3725
L_90~270(65)av	24354
L_90~270(75)av	22968
L_90~270(85)av	4978
L_45(65)av	24158
L_45(75)av	22383
L_45(85)av	4822

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-CRI90-55D	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	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626	1626
5	1636	1642	1641	1641	1636	1631	1623	1616	1606	1601	1593	1590	1584	1581	1580	1579	1581	1582	1588
10	1598	1612	1613	1614	1603	1593	1577	1567	1549	1538	1522	1516	1504	1495	1495	1487	1489	1487	1497
15	1477	1507	1513	1521	1505	1496	1474	1463	1438	1423	1392	1381	1355	1333	1329	1313	1316	1308	1327
20	1249	1294	1306	1329	1316	1314	1286	1276	1242	1224	1185	1163	1115	1072	1059	1033	1041	1030	1054
25	901	957	976	1015	1012	1021	988	978	936	919	870	839	781	739	726	705	710	702	719
30	587	630	643	681	686	694	670	661	634	621	587	558	508	474	461	440	441	431	440
35	303	340	361	395	404	417	400	394	371	357	322	295	255	228	216	200	198	190	195
40	140	157	165	179	184	191	186	185	174	166	149	139	123	109	102	93.2	90.8	87.2	89.9
45	72.0	79.3	82.9	88.3	90.6	95.2	94.1	93.4	86.3	80.3	72.2	67.5	60.4	53.7	50.1	46.4	45.5	44.4	46.0
50	40.4	43.4	44.3	46.6	47.7	49.9	49.8	49.5	45.9	43.1	39.5	37.6	34.8	32.1	30.5	29.3	29.1	28.8	29.5
55	26.6	27.9	28.1	29.3	29.7	30.8	30.6	30.7	29.1	28.0	26.3	25.5	24.2	23.0	22.3	21.6	21.5	21.3	21.7
60	18.6	19.4	19.7	20.3	20.5	21.0	20.9	21.0	20.2	19.8	18.8	18.4	17.7	17.0	16.7	16.3	16.3	16.2	16.4
65	13.6	13.8	14.3	14.9	14.9	15.1	14.9	15.0	14.6	14.5	14.1	13.9	13.4	13.3	13.7	13.6	13.6	13.6	13.6
70	10.1	10.7	11.3	11.9	12.1	12.1	12.0	12.1	12.0	12.1	11.9	10.9	10.1	9.80	11.2	11.4	11.4	11.2	11.3
75	4.16	5.17	6.56	7.81	8.35	8.44	8.28	8.42	8.30	8.40	7.90	6.09	4.93	5.14	7.31	7.97	8.23	8.08	8.18
80	0.68	0.84	1.92	3.11	3.62	3.72	3.58	3.69	3.56	3.62	3.10	2.10	1.02	1.80	2.68	3.05	3.40	3.30	3.49
85	0.43	0.51	0.54	0.51	0.52	0.51	0.47	0.50	0.51	0.53	0.55	0.53	0.47	0.48	0.55	0.65	0.69	0.74	0.73
90	0.37	0.40	0.43	0.40	0.39	0.36	0.35	0.36	0.38	0.38	0.40	0.36	0.33	0.36	0.38	0.38	0.38	0.37	0.36
95	0.38	0.38	0.38	0.41	0.38	0.38	0.36	0.38	0.39	0.40	0.38	0.38	0.37	0.37	0.39	0.39	0.42	0.39	0.41
100	0.45	0.46	0.43	0.45	0.43	0.44	0.43	0.45	0.44	0.45	0.45	0.47	0.48	0.48	0.50	0.50	0.52	0.51	0.53
105	0.63	0.60	0.56	0.57	0.55	0.56	0.55	0.56	0.56	0.59	0.59	0.63	0.67	0.69	0.72	0.73	0.76	0.76	0.77
110	0.94	0.87	0.83	0.80	0.78	0.78	0.78	0.80	0.82	0.85	0.89	0.93	1.02	1.08	1.12	1.17	1.19	1.21	1.19
115	1.51	1.39	1.33	1.26	1.25	1.23	1.25	1.26	1.31	1.35	1.43	1.49	1.64	1.75	1.79	1.90	1.90	1.95	1.90
120	2.37	2.19	2.12	2.01	2.00	1.96	2.01	2.01	2.11	2.15	2.30	2.37	2.59	2.76	2.82	2.95	2.95	3.01	2.94
125	3.54	3.34	3.24	3.10	3.09	3.03	3.10	3.10	3.24	3.32	3.51	3.63	3.89	4.08	4.19	4.32	4.34	4.37	4.31
130	4.99	4.78	4.65	4.50	4.47	4.44	4.49	4.54	4.67	4.80	5.01	5.16	5.47	5.69	5.81	5.96	5.97	6.01	5.93
135	6.68	6.44	6.28	6.14	6.12	6.08	6.15	6.21	6.36	6.50	6.74	6.91	7.28	7.51	7.63	7.78	7.80	7.84	7.73
140	8.44	8.23	8.08	7.96	7.91	7.89	7.96	8.03	8.19	8.34	8.58	8.78	9.16	9.39	9.50	9.64	9.67	9.72	9.60
145	10.2	10.0	9.91	9.74	9.72	9.71	9.80	9.87	10.01	10.2	10.4	10.6	11.0	11.2	11.2	11.4	11.4	11.5	11.4
150	11.9	11.7	11.6	11.4	11.4	11.4	11.5	11.5	11.7	11.8	12.0	12.1	12.5	12.7	12.8	12.9	12.9	13.0	12.9
155	13.2	13.0	12.9	12.8	12.8	12.8	12.9	12.9	13.0	13.1	13.3	13.3	13.7	13.8	13.9	13.9	14.0	14.0	14.0
160	14.0	13.9	13.8	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.3	14.4	14.5	14.6	14.6	14.6	14.6
165	14.6	14.5	14.4	14.4	14.5	14.6	14.6	14.6	14.5	14.4	14.4	14.5	14.8	14.9	14.9	14.9	14.9	15.0	15.0
170	15.0	15.0	14.9	14.8	14.8	14.9	14.8	14.8	14.7	14.7	14.8	14.9	15.1	15.3	15.3	15.2	15.1	15.1	15.1
175	15.5	15.4	15.4	15.5	15.4	15.3	15.2	15.2	15.2	15.4	15.4	15.3	15.6	15.7	15.8	15.7	15.6	15.5	15.4
180	15.9	15.9	15.9	16.0	15.8	15.7	15.7	15.6	15.7	15.8	15.7	15.6	15.9	15.9	15.9	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-VF63RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	1626	1626	1626	1626	1626														
5	1593	1604	1612	1621	1628														
10	1506	1528	1544	1565	1578														
15	1336	1370	1388	1422	1442														
20	1062	1101	1119	1170	1196														
25	726	754	767	813	843														
30	445	467	478	514	540														
35	198	213	221	244	262														
40	93.4	101	105	116	124														
45	47.8	51.3	54.2	59.7	64.4														
50	30.3	31.6	32.9	35.4	37.0														
55	21.9	22.6	23.2	24.4	25.0														
60	16.4	16.7	16.8	17.5	17.8														
65	13.5	13.6	13.6	13.7	13.5														
70	11.2	11.4	11.5	11.3	10.1														
75	8.06	8.21	7.91	6.95	4.78														
80	3.36	3.54	3.32	2.57	1.08														
85	0.74	0.70	0.64	0.52	0.44														
90	0.38	0.38	0.41	0.41	0.39														
95	0.38	0.41	0.41	0.37	0.35														
100	0.51	0.51	0.48	0.48	0.45														
105	0.74	0.73	0.70	0.67	0.64														
110	1.18	1.13	1.09	1.03	1.00														
115	1.89	1.79	1.75	1.65	1.61														
120	2.92	2.78	2.72	2.57	2.50														
125	4.26	4.10	4.00	3.83	3.72														
130	5.86	5.67	5.52	5.33	5.18														
135	7.65	7.44	7.26	7.01	6.85														
140	9.51	9.28	9.09	8.81	8.63														
145	11.3	11.0	10.8	10.6	10.4														
150	12.7	12.5	12.3	12.1	12.0														
155	13.9	13.7	13.4	13.2	13.1														
160	14.5	14.4	14.2	13.9	13.8														
165	14.9	14.7	14.5	14.4	14.4														
170	15.1	15.0	14.8	14.7	14.7														
175	15.4	15.5	15.4	15.3	15.2														
180	15.6	15.7	15.8	15.7	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: