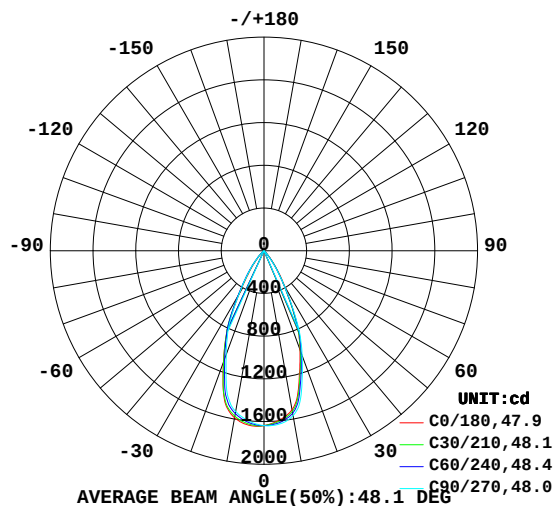


LUMINAIRE PHOTOMETRIC TEST REPORT

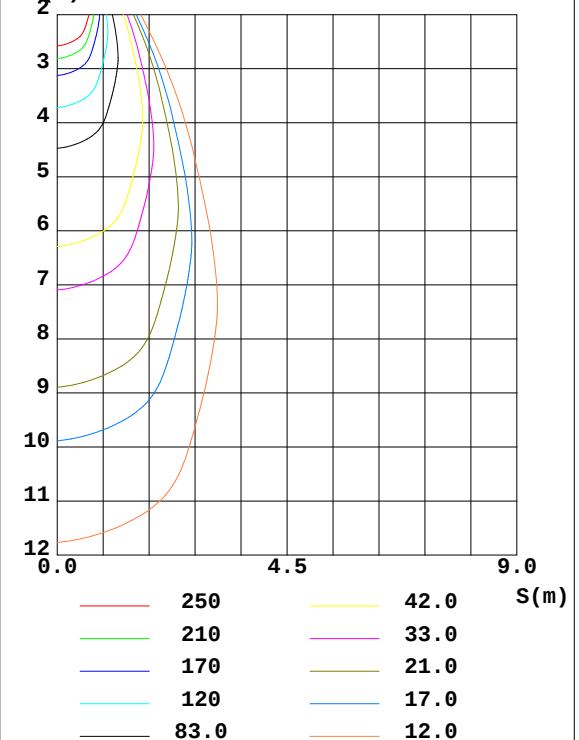
NAME: VM060-vF61SA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.23 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	1648	S/MH(C0/180)	0.76
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.75
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1070.9	η UP, DN(C0-180)	1.3, 47.3
NOMINAL FLUX(lm)	1070.89	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 50.0
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	97.3	CIBSE SHR MAX	0.75

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: 2021-08-12

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:

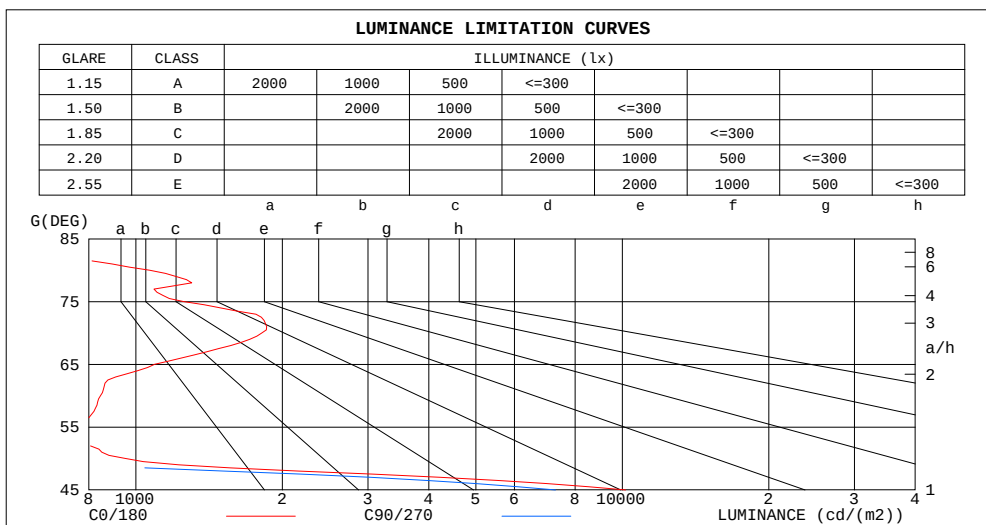
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1512	1541	1568	1598	1588	1558	1528	1506	0- 10	152.3	152.3	14.2,14.2
20	984.9	1019	1045	1103	1112	1084	1037	994.0	10- 20	370.3	522.6	48.8,48.8
30	396.6	384.7	383.6	431.9	462.7	481.8	466.8	434.9	20- 30	336.4	859.0	80.2,80.2
40	88.74	78.29	67.90	97.64	110.3	130.7	128.3	115.4	30- 40	147.0	1006	93.9,93.9
50	2.167	8.712	1.205	13.59	4.385	19.37	3.361	15.60	40- 50	32.34	1038	97.97
60	1.500	0.4853	0.3165	0.4989	1.382	0.8603	0.7117	0.8271	50- 60	2.009	1040	97.1,97.1
70	2.203	0.3363	0.2014	0.3432	1.803	0.2550	0.1970	0.2342	60- 70	0.8290	1041	97.2,97.2
80	0.6572	0.2945	0.2080	0.2764	0.7648	0.2055	0.1993	0.2072	70- 80	0.5310	1042	97.3,97.3
90	0.2547	0.2793	0.2378	0.3011	0.2350	0.2005	0.2049	0.2073	80- 90	0.2755	1042	97.3,97.3
100	0.8636	0.5847	0.3296	0.5506	0.6887	0.2657	0.2791	0.3072	90-100	0.4066	1042	97.3,97.3
110	1.460	0.9211	0.8336	0.8829	1.460	0.6082	0.6204	0.7080	100-110	0.8112	1043	97.4,97.4
120	2.399	2.109	2.059	1.938	2.072	1.706	1.837	1.933	110-120	1.532	1045	97.6,97.6
130	4.648	4.939	4.589	4.580	4.171	5.148	4.555	4.836	120-130	2.844	1048	97.8,97.8
140	10.48	8.123	8.006	7.727	10.45	7.486	7.605	7.946	130-140	5.674	1053	98.4,98.4
150	11.28	11.18	11.25	10.97	10.89	10.78	10.96	11.16	140-150	6.895	1060	99.99
160	13.07	13.02	13.22	13.21	13.16	13.13	13.68	13.18	150-160	5.677	1066	99.5,99.5
170	13.09	13.24	13.62	13.68	13.47	13.37	13.43	13.23	160-170	3.782	1070	99.9,99.9
180	13.87	14.04	13.93	14.17	13.92	14.02	13.95	14.15	170-180	1.298	1071	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:2021-08-12

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-vF61SA01-15W	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	801	732
80	1067	332
75	1254	216
70	1816	163
65	1093	135
60	846	175
55	770	220
50	950	520
45	10156	7287

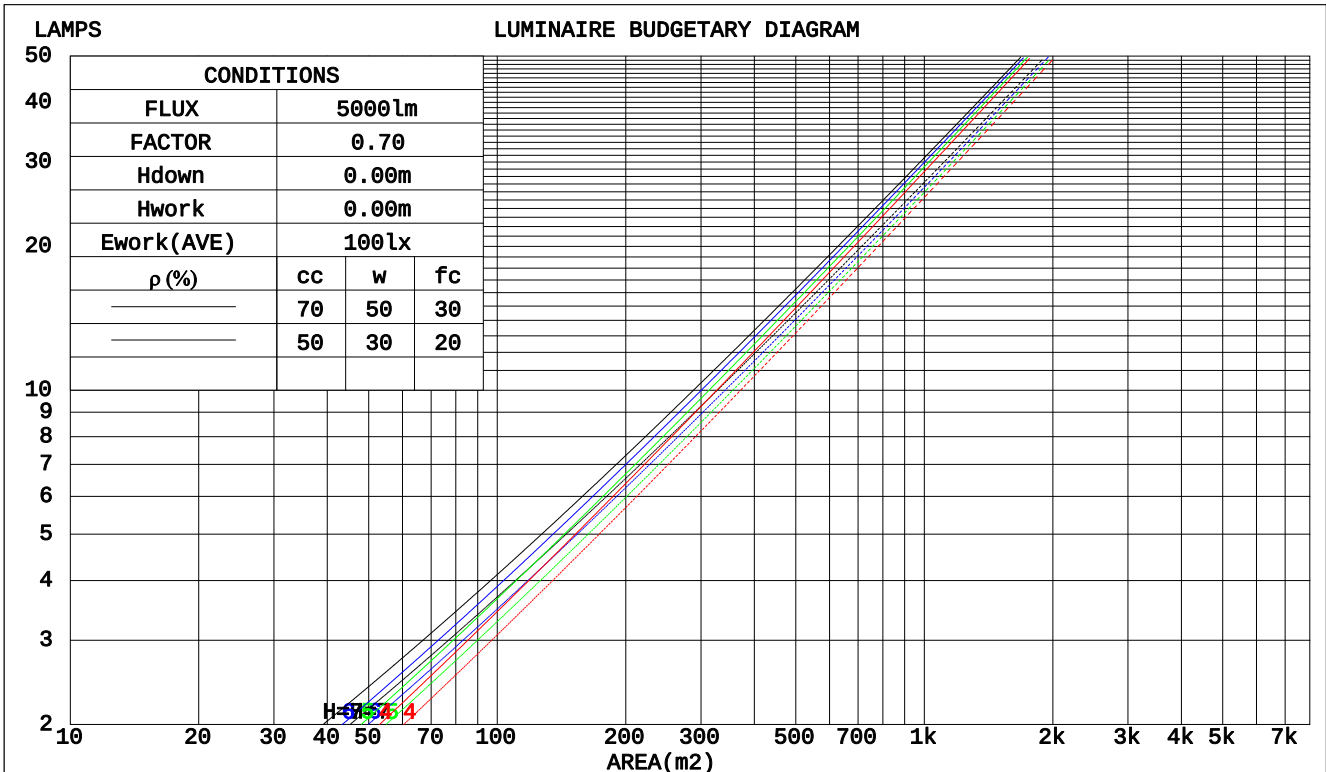
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-vF61SA01-15W	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	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	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	.00	.98	.97	.96	.95	.94	.92
2.0	1.04	.00	.97	1.02	.98	.96	.98	.95	.93	.95	.93	.91	.92	.90	.88	.87
3.0	.97	.93	.89	.96	.92	.88	.93	.89	.87	.90	.87	.85	.88	.85	.83	.82
4.0	.92	.87	.83	.91	.86	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.77
5.0	.87	.81	.77	.86	.81	.77	.84	.79	.76	.82	.78	.75	.80	.77	.74	.73
6.0	.82	.77	.73	.81	.76	.72	.79	.75	.72	.78	.74	.71	.76	.73	.70	.69
7.0	.78	.72	.68	.77	.72	.68	.76	.71	.68	.74	.70	.67	.73	.69	.67	.65
8.0	.74	.68	.65	.73	.68	.64	.72	.67	.64	.71	.67	.64	.70	.66	.63	.62
9.0	.70	.65	.61	.70	.65	.61	.69	.64	.61	.68	.63	.60	.67	.63	.60	.59
10.0	.67	.62	.58	.66	.61	.58	.66	.61	.58	.65	.60	.57	.64	.60	.57	.56



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-vF61SA01-15W	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	.167	.095	.030	.159	.091	.029	.145	.083	.027	.132	.076	.024	.120	.070	.022		
2.0	.158	.087	.027	.152	.084	.026	.140	.078	.024	.129	.072	.023	.119	.067	.021		
3.0	.150	.080	.024	.144	.077	.023	.134	.073	.022	.125	.068	.021	.116	.064	.020		
4.0	.142	.074	.022	.138	.072	.021	.129	.068	.020	.120	.065	.020	.113	.061	.019		
5.0	.135	.069	.020	.131	.067	.020	.124	.064	.019	.116	.061	.018	.110	.059	.018		
6.0	.129	.065	.019	.126	.063	.018	.119	.061	.018	.112	.058	.017	.106	.056	.017		
7.0	.123	.061	.017	.120	.060	.017	.114	.058	.017	.108	.056	.016	.103	.054	.016		
8.0	.118	.058	.016	.115	.057	.016	.110	.055	.016	.105	.053	.015	.100	.051	.015		
9.0	.113	.055	.015	.111	.054	.015	.106	.052	.015	.101	.051	.015	.097	.049	.014		
10.0	.109	.052	.015	.107	.051	.014	.102	.050	.014	.098	.049	.014	.094	.047	.014		

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	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.191	.178	.166	.164	.153	.143	.112	.105	.099	.064	.061	.058	.021	.020	.019	
2.0	.175	.153	.135	.150	.132	.117	.103	.091	.081	.059	.053	.048	.019	.017	.016	
3.0	.162	.134	.112	.139	.116	.097	.096	.081	.068	.055	.047	.040	.018	.015	.013	
4.0	.152	.120	.095	.130	.103	.083	.089	.072	.058	.052	.042	.035	.017	.014	.011	
5.0	.143	.108	.082	.122	.093	.072	.084	.065	.051	.049	.038	.030	.016	.013	.010	
6.0	.135	.099	.073	.116	.085	.063	.080	.060	.045	.046	.035	.027	.015	.011	.009	
7.0	.128	.091	.065	.110	.079	.056	.076	.055	.040	.044	.033	.024	.014	.011	.008	
8.0	.122	.085	.059	.105	.073	.051	.073	.052	.036	.042	.030	.022	.014	.010	.007	
9.0	.117	.079	.054	.101	.069	.047	.070	.048	.033	.041	.029	.020	.013	.009	.007	
10.0	.113	.075	.050	.097	.065	.043	.067	.046	.031	.039	.027	.018	.013	.009	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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-vF61SA01-15W						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						16.0	16.8	16.2	17.0	17.2	15.4
3H						15.8	16.6	16.1	16.8	17.1	15.2
4H						15.7	16.5	16.0	16.7	17.0	15.1
6H						15.6	16.3	16.0	16.6	16.9	15.0
8H						15.6	16.2	15.9	16.5	16.9	15.0
12H						15.5	16.2	15.9	16.5	16.8	14.9
4H 2H						15.7	16.4	16.0	16.7	17.0	15.1
3H						15.5	16.2	15.9	16.5	16.8	14.9
4H						15.4	16.0	15.8	16.3	16.7	14.8
6H						15.3	15.8	15.8	16.2	16.6	14.7
8H						15.3	15.7	15.7	16.1	16.6	14.7
12H						15.2	15.7	15.7	16.1	16.5	14.6
8H 4H						15.3	15.7	15.7	16.1	16.6	14.7
6H						15.2	15.6	15.6	16.0	16.5	14.6
8H						15.1	15.5	15.6	15.9	16.4	14.5
12H						15.1	15.3	15.6	15.8	16.4	14.4
12H 4H						15.2	15.6	15.7	16.1	16.5	14.6
6H						15.1	15.4	15.6	15.9	16.4	14.5
8H						15.1	15.3	15.6	15.8	16.4	14.4
Variations with the observer position at spacings:											
S = 1.0H						+ 4.0 / -14.9			+ 3.7 / -17.8		
1.5H						+ 6.6 / -16.1			+ 6.3 / -17.7		
2.0H						+ 7.9 / - 7.3			+ 7.5 / - 7.8		

CIE Pub.117, 1071 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.2$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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-vF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

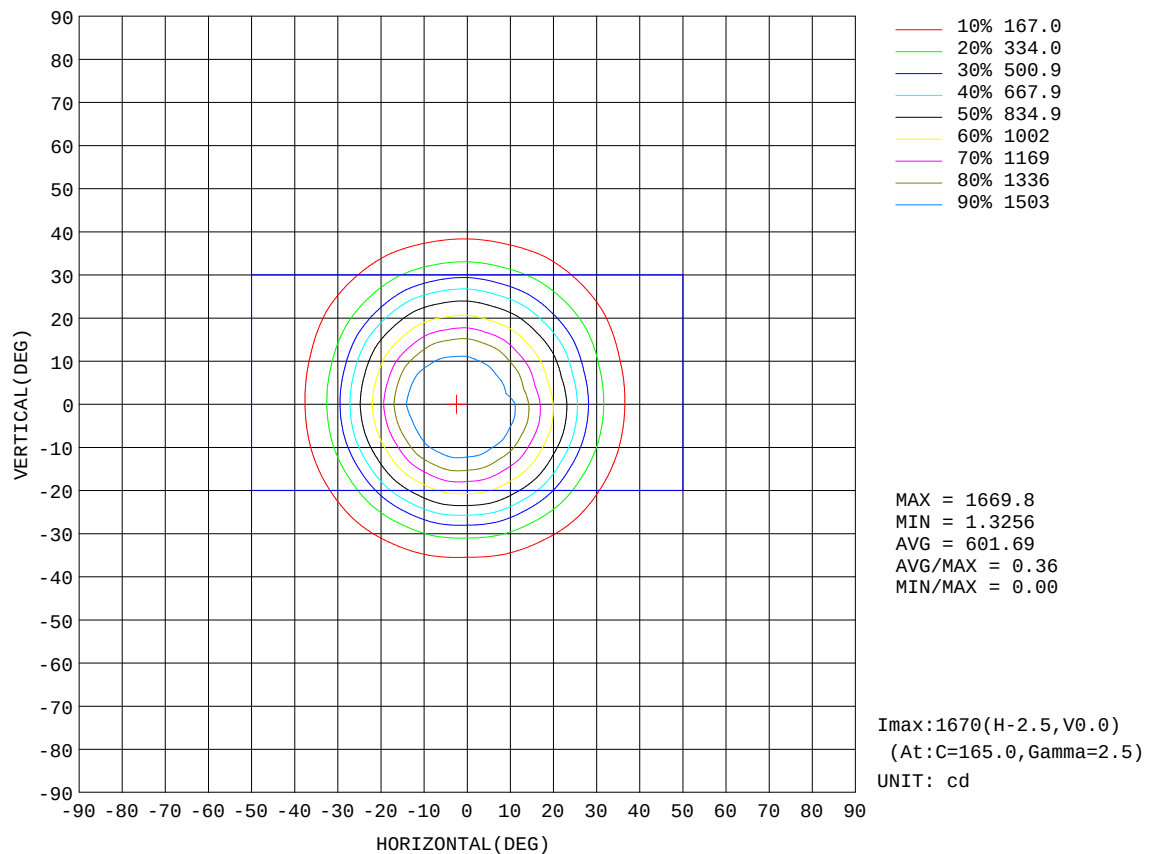
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	88	82	78	87	82	78	86	81	78	74
0.80	95	89	86	94	89	86	93	88	85	81
1.00	99	94	90	98	93	90	96	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	98	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	93
3.00	111	108	105	109	106	104	106	103	101	94
4.00	113	111	108	111	109	107	107	105	104	96
5.00	115	112	111	112	110	109	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-VF61SA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

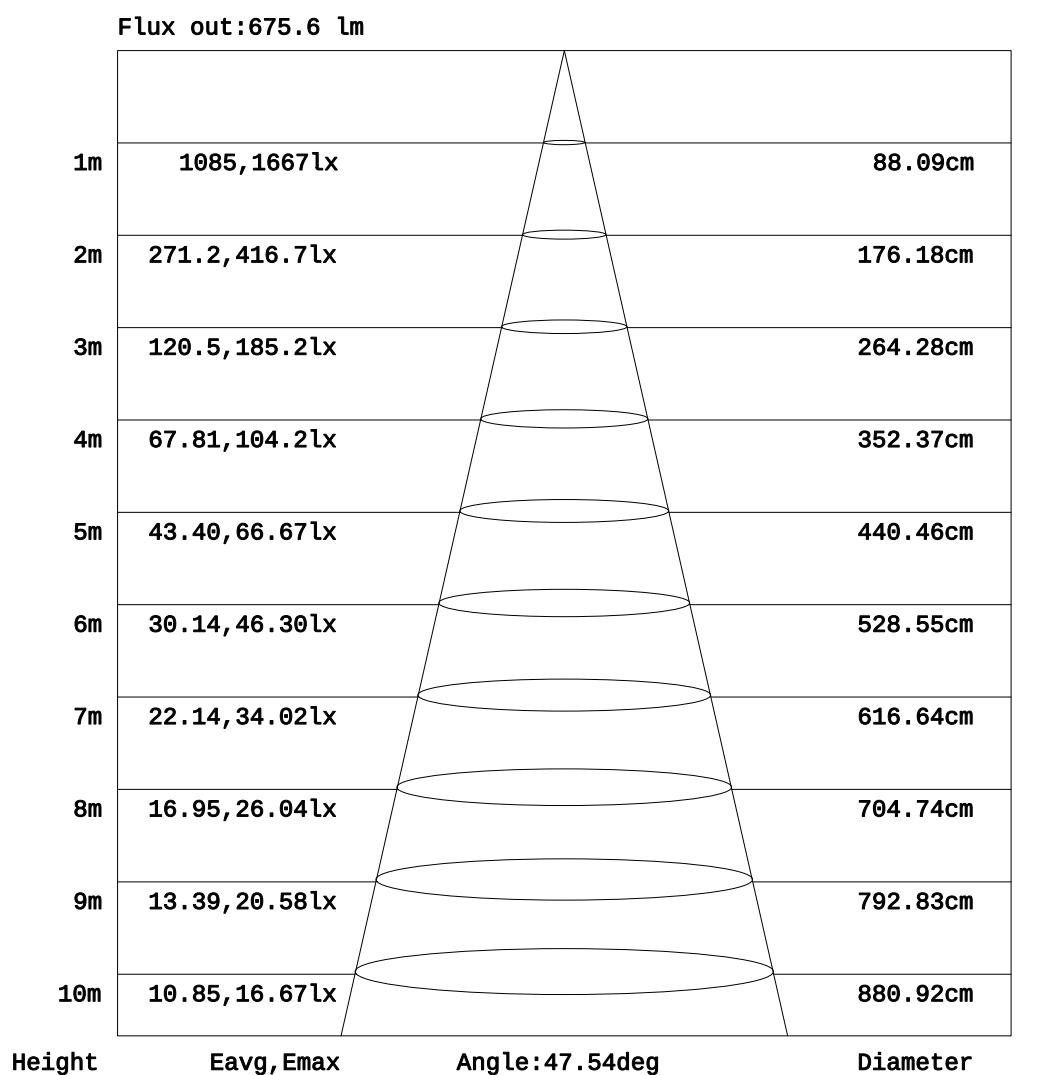


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



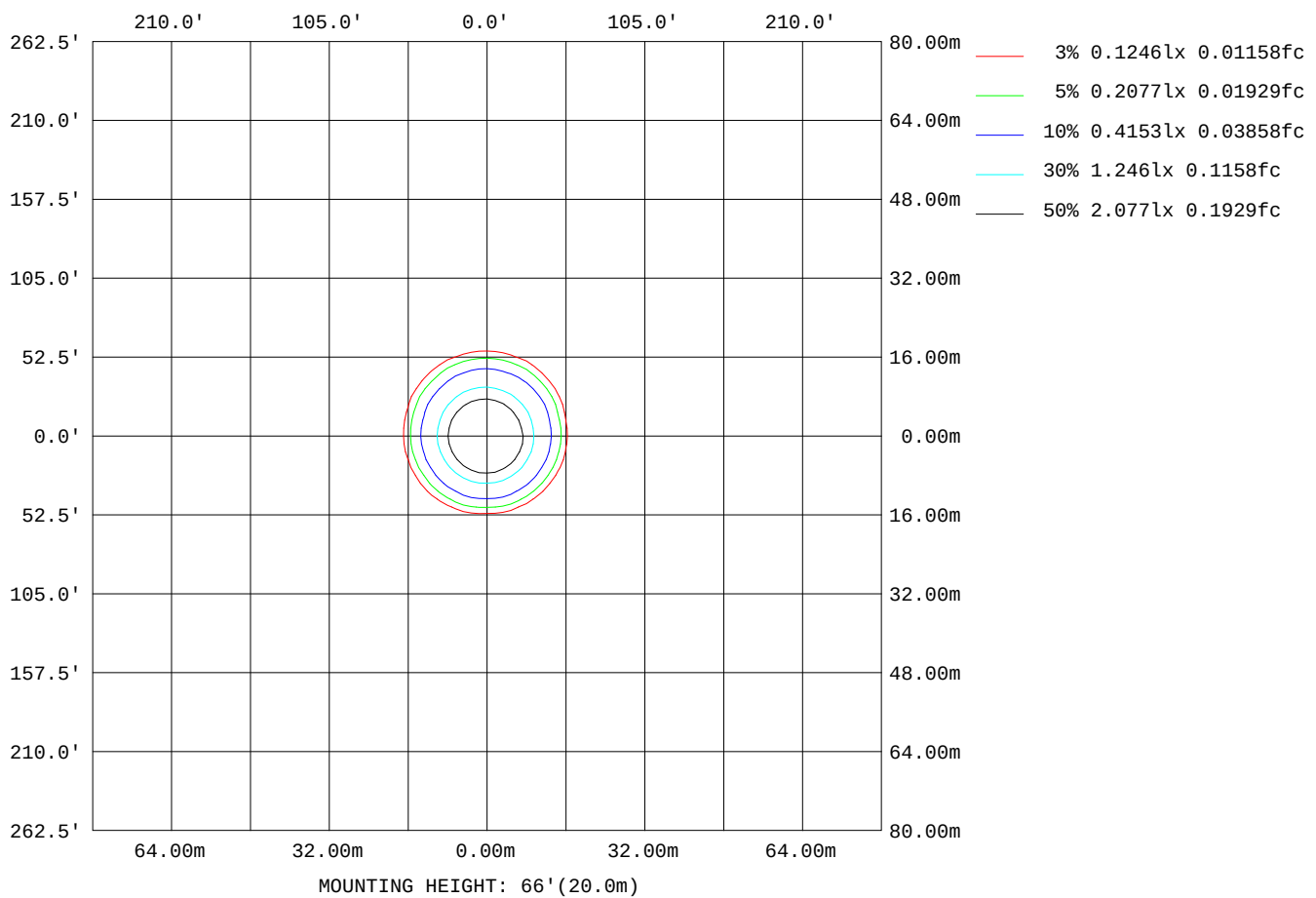
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-VF61SA01-15W	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: 2021-08-12

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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

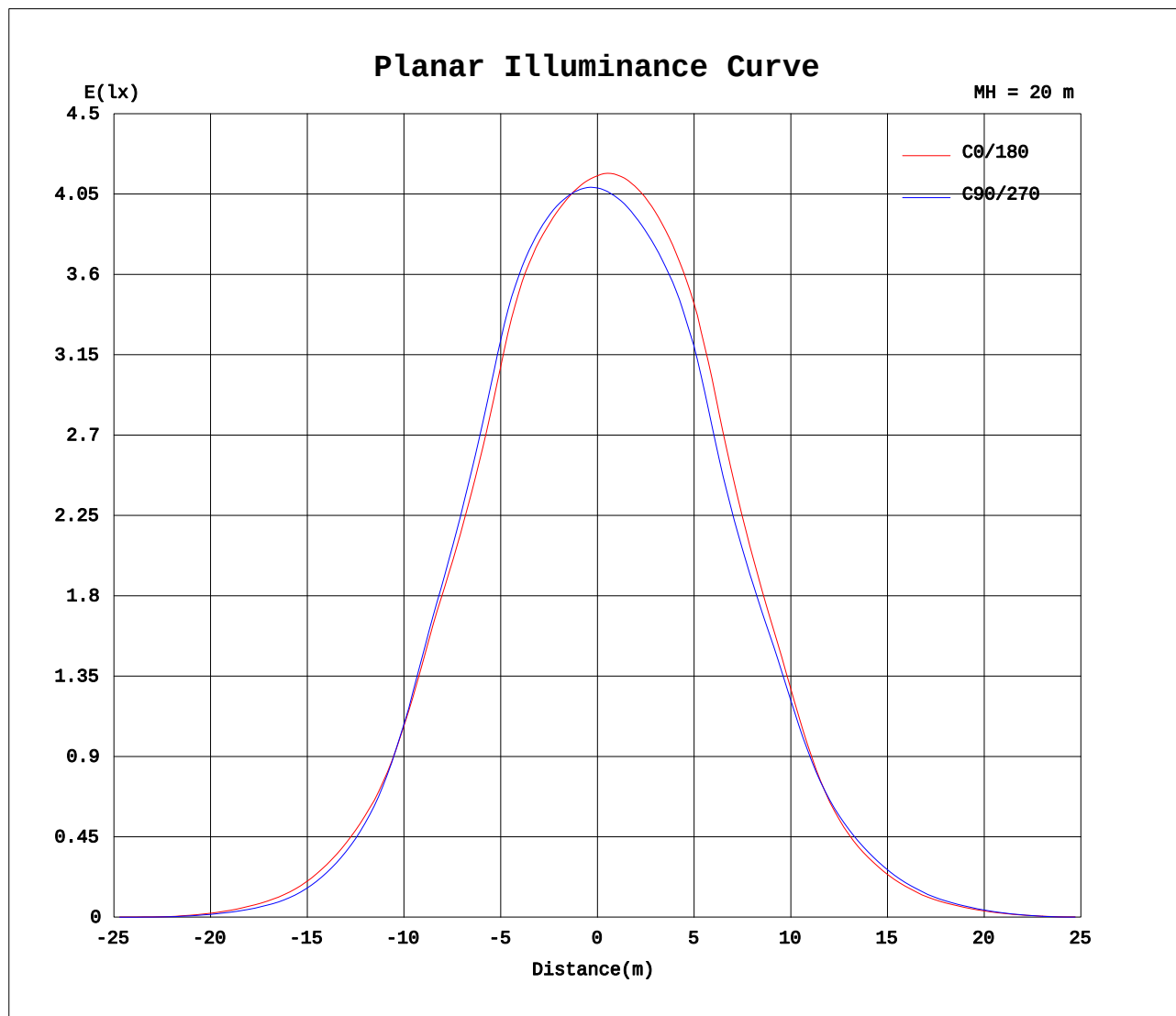
AvgL	cd/m2
L_0~180(65)av	975
L_0~180(75)av	1363
L_0~180(85)av	775
L_90~270(65)av	155
L_90~270(75)av	214
L_90~270(85)av	685
L_45(65)av	283
L_45(75)av	324
L_45(85)av	753

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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: 2021-08-12

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-vF61SA01-15W	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	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637
5	1594	1600	1605	1612	1617	1624	1629	1637	1641	1645	1643	1644	1639	1634	1629	1622	1616	1607	1603
10	1512	1525	1529	1541	1545	1560	1568	1586	1590	1598	1595	1598	1588	1578	1572	1558	1548	1533	1528
15	1270	1291	1287	1313	1313	1348	1358	1399	1407	1432	1434	1446	1436	1428	1424	1405	1395	1358	1350
20	985	999	996	1019	1019	1043	1045	1074	1075	1103	1103	1124	1112	1100	1108	1084	1079	1046	1037
25	696	701	686	706	704	729	726	760	762	789	791	821	812	808	821	809	814	788	779
30	397	392	379	385	378	388	384	407	410	432	438	466	463	465	485	482	491	474	467
35	211	206	195	193	186	188	182	198	205	217	224	240	240	246	262	265	275	269	266
40	88.7	84.1	79.3	78.3	72.0	69.3	67.9	76.9	86.1	97.6	103	110	110	116	131	131	136	128	128
45	25.5	26.2	27.1	28.1	24.2	21.0	18.6	24.8	31.2	39.1	40.3	42.0	40.0	45.1	52.4	55.6	53.7	48.2	45.9
50	2.17	2.19	5.25	8.71	5.20	1.76	1.20	2.03	7.31	13.6	11.8	6.67	4.39	6.94	15.9	19.4	15.9	6.08	3.36
55	1.57	1.11	0.97	1.12	0.63	0.48	0.45	0.48	0.71	2.14	1.43	1.21	1.49	1.82	2.01	3.68	1.70	1.02	0.94
60	1.50	0.84	0.72	0.49	0.38	0.31	0.32	0.31	0.39	0.50	0.78	0.91	1.38	2.81	1.84	0.86	0.81	0.78	0.71
65	1.64	0.43	0.49	0.38	0.34	0.24	0.21	0.24	0.32	0.35	0.55	0.48	1.33	2.90	2.16	0.52	0.45	0.32	0.27
70	2.20	0.40	0.45	0.34	0.30	0.22	0.20	0.22	0.28	0.34	0.46	0.41	1.80	3.83	0.94	0.26	0.22	0.22	0.20
75	1.15	0.38	0.43	0.37	0.28	0.24	0.20	0.24	0.27	0.37	0.44	0.38	1.39	2.39	0.22	0.24	0.21	0.22	0.20
80	0.66	0.32	0.36	0.29	0.27	0.24	0.21	0.24	0.26	0.28	0.34	0.34	0.76	0.22	0.47	0.21	0.21	0.21	0.20
85	0.25	0.27	0.26	0.27	0.26	0.24	0.23	0.24	0.24	0.27	0.25	0.26	0.24	0.21	0.21	0.20	0.20	0.21	0.20
90	0.25	0.29	0.26	0.28	0.26	0.25	0.24	0.25	0.24	0.30	0.27	0.30	0.24	0.22	0.25	0.20	0.21	0.21	0.20
95	0.64	0.35	0.43	0.41	0.31	0.29	0.25	0.28	0.28	0.41	0.44	0.36	0.47	0.75	0.35	0.21	0.23	0.21	0.23
100	0.86	0.51	0.63	0.58	0.44	0.39	0.33	0.36	0.39	0.55	0.61	0.52	0.69	1.53	0.57	0.27	0.28	0.27	0.28
105	1.10	0.81	0.80	0.73	0.61	0.56	0.51	0.53	0.55	0.66	0.73	0.78	1.04	1.97	0.73	0.38	0.39	0.37	0.39
110	1.46	1.10	1.07	0.92	0.90	0.89	0.83	0.85	0.83	0.88	0.94	0.99	1.46	3.21	1.05	0.61	0.62	0.61	0.62
115	2.41	1.65	1.58	1.33	1.31	1.41	1.36	1.39	1.26	1.28	1.40	1.39	2.11	4.11	1.47	1.01	1.04	1.08	1.07
120	2.40	2.37	2.32	2.11	2.25	2.11	2.06	2.05	2.12	1.94	2.04	2.07	2.07	2.07	1.86	1.71	1.82	1.86	1.84
125	3.36	3.29	3.29	3.27	3.36	3.25	3.17	3.19	3.16	3.02	2.96	2.90	2.90	2.88	2.77	2.75	3.07	2.93	2.83
130	4.65	4.67	4.77	4.94	4.92	4.76	4.59	4.66	4.66	4.58	4.35	4.22	4.17	4.17	4.21	5.15	6.15	4.33	4.56
135	6.42	6.47	6.70	6.66	6.60	6.45	6.24	6.35	6.32	6.21	6.18	5.94	5.87	5.99	12.5	6.96	8.46	5.83	5.85
140	10.5	8.80	8.50	8.12	8.08	8.13	8.01	8.01	7.81	7.73	7.95	8.30	10.4	15.7	19.5	7.49	19.9	7.64	7.61
145	11.9	10.2	9.90	9.70	9.73	9.70	9.73	9.59	9.50	9.39	9.48	9.84	11.9	21.8	9.21	9.19	9.20	9.48	10.6
150	11.3	11.3	11.2	11.2	11.2	11.3	11.2	11.2	11.1	11.0	11.0	11.0	10.9	10.8	10.8	10.8	10.8	10.9	11.0
155	12.2	12.3	12.2	12.3	12.5	12.5	12.4	12.5	12.5	12.3	12.2	12.3	12.1	12.0	12.1	12.0	12.1	12.3	12.2
160	13.1	13.1	12.8	13.0	13.2	13.2	13.2	13.3	13.3	13.2	13.1	13.3	13.2	12.7	13.1	13.1	13.1	13.3	13.7
165	13.2	13.3	13.1	13.2	13.4	13.6	13.7	13.8	13.6	13.5	13.5	13.7	13.4	13.2	13.2	13.3	13.3	13.5	13.8
170	13.1	13.1	13.1	13.2	13.4	13.5	13.6	13.7	13.6	13.7	13.8	13.8	13.5	13.5	13.5	13.4	13.4	13.4	13.4
175	13.4	13.5	13.5	13.7	13.7	13.7	13.7	13.8	13.8	14.0	14.0	13.9	13.7	13.7	13.8	13.8	13.8	13.7	13.7
180	13.9	13.9	13.9	14.0	13.9	13.9	13.9	14.0	14.0	14.2	14.1	14.0	13.9	13.9	14.0	14.0	14.0	13.9	13.9

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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-vF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	1637	1637	1637	1637	1637													
5	1596	1594	1590	1590	1591													
10	1518	1515	1506	1507	1504													
15	1318	1311	1282	1280	1259													
20	1012	1013	994	996	980													
25	750	748	725	725	697													
30	447	448	435	431	407													
35	257	258	248	242	221													
40	122	125	115	107	92.3													
45	46.5	49.2	46.1	39.3	28.9													
50	5.19	13.5	15.6	9.10	2.46													
55	1.01	1.33	2.23	1.38	2.11													
60	0.76	0.82	0.83	2.22	2.67													
65	0.31	0.41	0.48	2.03	2.69													
70	0.21	0.21	0.23	0.59	3.45													
75	0.20	0.21	0.22	0.22	0.66													
80	0.20	0.21	0.21	0.27	0.23													
85	0.20	0.21	0.21	0.22	0.22													
90	0.20	0.22	0.21	0.24	0.24													
95	0.22	0.25	0.24	0.38	0.55													
100	0.27	0.31	0.31	0.55	1.52													
105	0.39	0.44	0.43	0.85	1.96													
110	0.64	0.69	0.71	1.23	2.93													
115	1.13	1.16	1.16	1.41	3.98													
120	1.93	2.00	1.93	2.15	2.43													
125	3.06	3.42	3.10	3.12	3.34													
130	4.40	6.37	4.84	4.69	4.73													
135	5.99	9.09	6.62	13.7	6.78													
140	7.78	18.5	7.95	20.8	16.0													
145	9.68	9.52	9.65	9.77	18.3													
150	11.1	11.1	11.2	11.2	11.3													
155	12.4	12.3	12.3	12.3	12.3													
160	13.3	13.2	13.2	13.4	12.8													
165	13.6	13.3	13.2	13.1	13.1													
170	13.4	13.3	13.2	13.2	13.2													
175	13.7	13.8	13.7	13.6	13.6													
180	13.9	14.0	14.2	14.1	14.0													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: