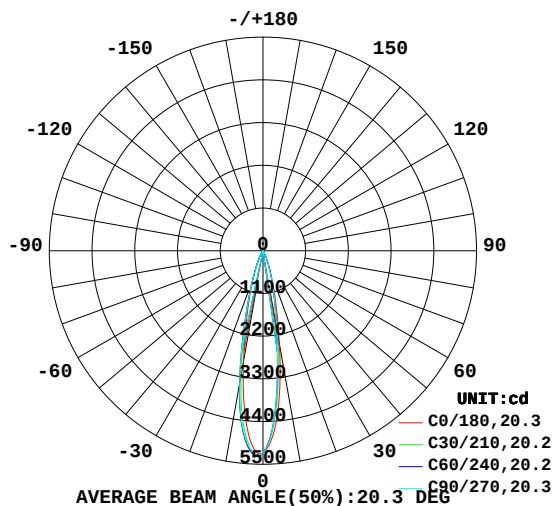


LUMINAIRE PHOTOMETRIC TEST REPORT

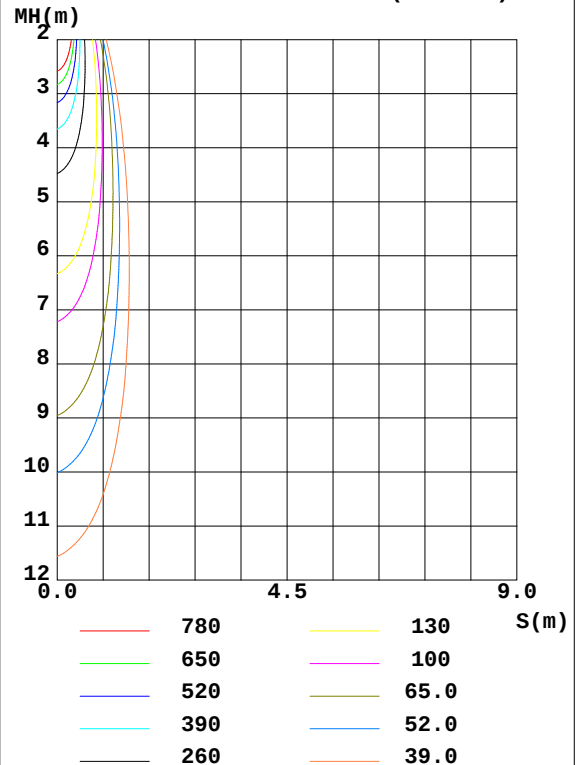
NAME: VM060-VF61SA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.33 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5305	S/MH(C0/180)	0.37
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.40
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	946.29	η UP, DN(C0-180)	1.3, 42.5
NOMINAL FLUX(lm)	946.285	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.5, 54.6
LAMPS INSIDE	1	η up(%)	2.9	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	97.1	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: 2021-08-12

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:

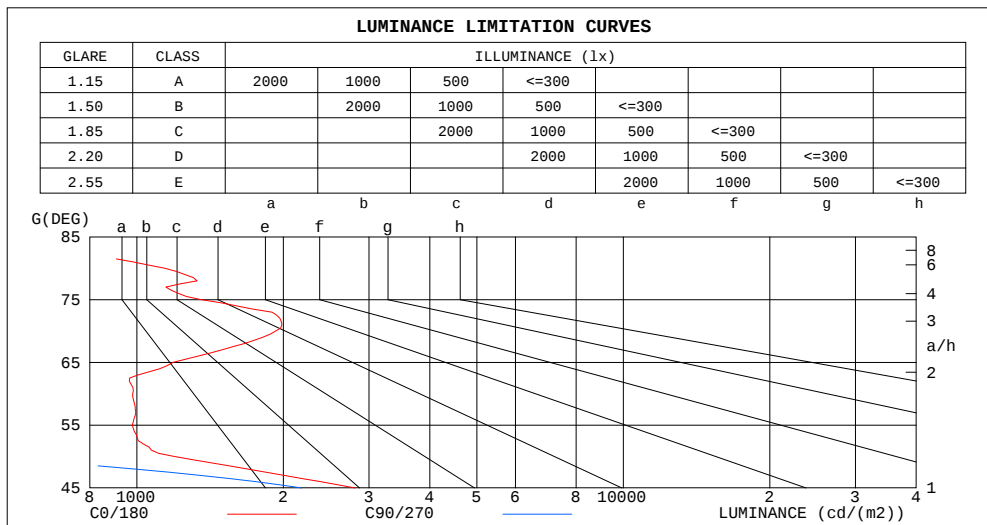
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2448	2106	2031	2424	2902	3342	3461	2963	0- 10	365.4	365.4	38.6, 38.6
20	533.7	473.0	479.6	585.6	705.9	749.3	737.0	617.0	10- 20	376.9	742.3	78.4, 78.4
30	97.66	91.42	93.21	115.0	138.3	141.3	138.6	111.8	20- 30	132.4	874.7	92.4, 92.4
40	13.38	16.75	12.15	22.87	16.71	27.48	15.70	21.60	30- 40	33.22	907.9	95.9, 95.9
50	2.757	4.681	1.079	5.984	3.619	7.291	3.295	6.325	40- 50	7.352	915.3	96.7, 96.7
60	1.764	0.5188	0.3114	0.5440	1.522	1.026	0.8429	0.9591	50- 60	1.680	916.9	96.9, 96.9
70	2.375	0.3522	0.1988	0.3432	1.722	0.2598	0.1859	0.2503	60- 70	1.113	918.1	97, 97
80	0.7124	0.3081	0.2069	0.2856	0.7448	0.1945	0.1878	0.2016	70- 80	0.5568	918.6	97.1, 97.1
90	0.2628	0.2930	0.2386	0.3213	0.2784	0.1945	0.2056	0.2058	80- 90	0.2783	918.9	97.1, 97.1
100	1.043	0.5788	0.2872	0.5457	0.7491	0.2684	0.2896	0.3096	90-100	0.4379	919.3	97.2, 97.2
110	1.525	0.5478	0.4350	0.5579	1.657	0.3740	0.4089	0.4359	100-110	0.7527	920.1	97.2, 97.2
120	1.288	0.8567	0.7812	0.7509	1.064	0.6179	0.7984	0.7613	110-120	0.9299	921.0	97.3, 97.3
130	2.786	3.268	2.949	2.850	2.337	2.931	2.526	2.931	120-130	1.418	922.4	97.5, 97.5
140	11.35	8.361	8.362	7.649	10.52	6.603	6.560	7.350	130-140	4.995	927.4	98, 98
150	12.94	12.98	13.08	12.61	12.49	12.01	12.11	12.51	140-150	7.605	935.0	98.8, 98.8
160	14.58	14.01	14.24	14.35	14.94	14.79	15.45	14.63	150-160	6.438	941.5	99.5, 99.5
170	10.90	10.18	10.71	11.23	12.08	12.24	12.46	11.53	160-170	3.834	945.3	99.9, 99.9
180	8.964	9.075	9.013	9.249	8.991	9.073	9.019	9.251	170-180	0.9779	946.3	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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	815	725
80	1140	331
75	1353	219
70	1930	161
65	1187	139
60	981	173
55	979	207
50	1192	466
45	2808	2180

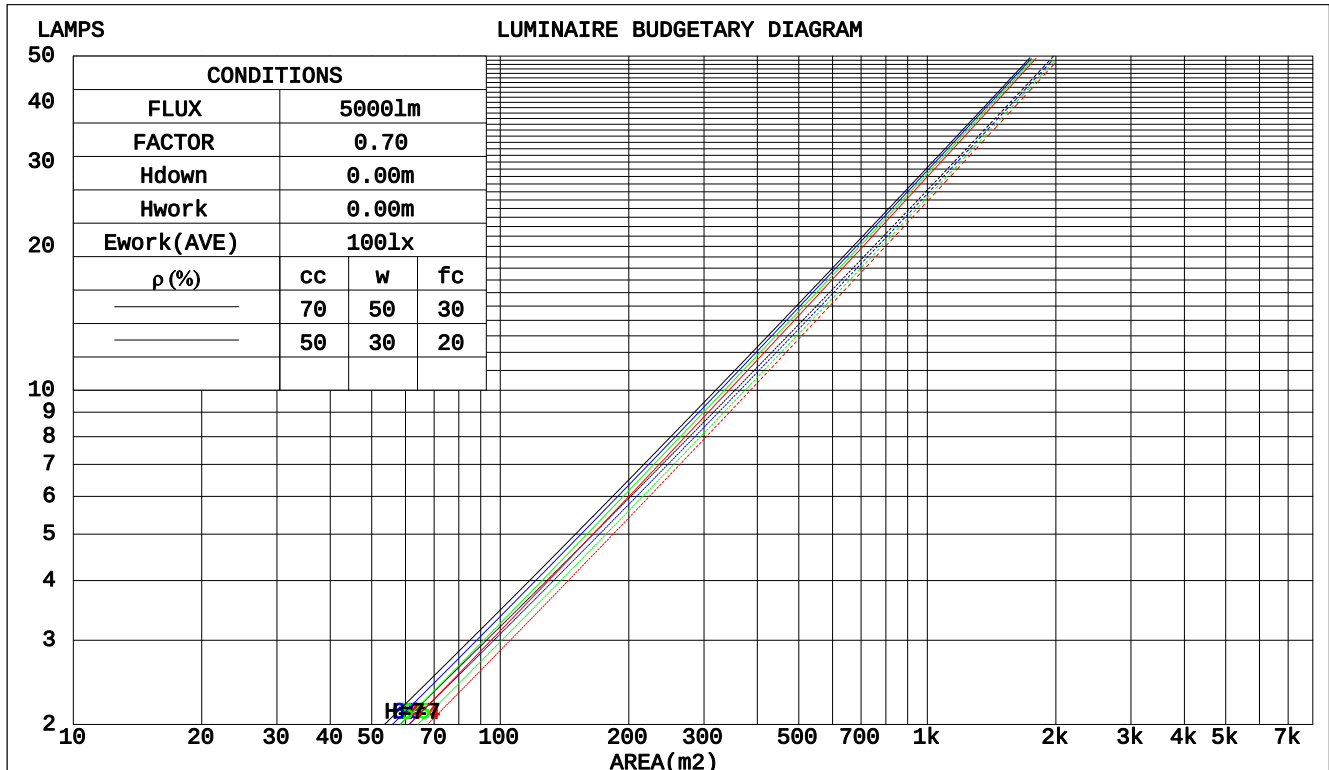
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-CRI90-15D	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			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.12	1.10	1.09	1.10	1.08	1.07	1.05	1.04	1.03	1.01	1.00	.99	.97	.97	.96	.94
2.0	1.07	1.04	1.01	1.05	1.02	1.00	1.01	.99	.97	.98	.96	.95	.95	.94	.93	.91
3.0	1.02	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.90	.88
4.0	.98	.94	.91	.97	.94	.91	.95	.92	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.95	.91	.88	.94	.90	.87	.92	.89	.86	.90	.87	.85	.88	.86	.84	.83
6.0	.92	.87	.85	.91	.87	.84	.89	.86	.83	.88	.85	.83	.86	.84	.82	.81
7.0	.89	.85	.82	.88	.84	.81	.87	.83	.81	.85	.82	.80	.84	.82	.80	.79
8.0	.86	.82	.79	.86	.82	.79	.84	.81	.79	.83	.80	.78	.82	.80	.78	.77
9.0	.84	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.80	.78	.76	.75
10.0	.81	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.79	.76	.74	.73



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
 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-VF61SA01-15W	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 Coefficients(WEC)										
0.0																	
1.0	.138	.078	.025	.130	.074	.024	.116	.067	.021	.103	.060	.019	.091	.053	.017		
2.0	.127	.070	.021	.121	.067	.021	.109	.061	.019	.098	.055	.017	.088	.050	.016		
3.0	.118	.063	.019	.113	.060	.018	.103	.056	.017	.094	.051	.016	.085	.047	.015		
4.0	.111	.057	.017	.106	.055	.016	.098	.052	.015	.090	.048	.015	.082	.045	.014		
5.0	.104	.053	.015	.100	.051	.015	.093	.048	.014	.086	.045	.013	.079	.042	.013		
6.0	.098	.049	.014	.095	.048	.014	.088	.045	.013	.082	.043	.013	.077	.040	.012		
7.0	.093	.046	.013	.090	.045	.013	.084	.043	.012	.079	.041	.012	.074	.038	.011		
8.0	.088	.043	.012	.086	.042	.012	.081	.040	.012	.076	.039	.011	.072	.037	.011		
9.0	.084	.041	.011	.082	.040	.011	.078	.038	.011	.073	.037	.011	.069	.035	.010		
10.0	.081	.039	.011	.079	.038	.011	.075	.037	.010	.071	.035	.010	.067	.034	.010		

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	.213	.213	.213	.182	.182	.182	.124	.124	.124	.071	.071	.071	.023	.023	.023		
1.0	.191	.180	.170	.163	.154	.146	.112	.106	.101	.064	.061	.059	.021	.020	.019		
2.0	.173	.155	.140	.148	.134	.121	.101	.092	.085	.058	.054	.050	.019	.017	.016		
3.0	.158	.136	.118	.135	.117	.103	.093	.081	.072	.054	.048	.042	.017	.015	.014		
4.0	.145	.120	.102	.125	.104	.088	.086	.073	.062	.050	.043	.037	.016	.014	.012		
5.0	.135	.108	.089	.116	.094	.077	.080	.065	.054	.046	.038	.032	.015	.013	.011		
6.0	.126	.098	.079	.108	.085	.068	.075	.060	.048	.043	.035	.029	.014	.011	.009		
7.0	.118	.090	.070	.102	.078	.061	.070	.055	.044	.041	.032	.026	.013	.011	.009		
8.0	.112	.083	.064	.096	.072	.056	.067	.051	.040	.039	.030	.024	.013	.010	.008		
9.0	.106	.078	.059	.091	.067	.051	.063	.047	.036	.037	.028	.022	.012	.009	.007		
10.0	.101	.073	.054	.087	.063	.047	.060	.045	.034	.035	.026	.020	.011	.009	.007		

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-CRI90-15D						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	6.4	7.0	6.6	7.2	7.4	6.1	6.7	6.4	6.9	7.1	
3H	6.4	7.0	6.7	7.2	7.5	6.0	6.5	6.2	6.8	7.0	
4H	6.5	7.0	6.8	7.3	7.5	5.9	6.4	6.2	6.7	7.0	
6H	6.5	7.0	6.8	7.3	7.6	5.8	6.3	6.1	6.6	6.9	
8H	6.5	7.0	6.9	7.3	7.6	5.8	6.3	6.1	6.6	6.9	
12H	6.5	7.0	6.9	7.3	7.6	5.8	6.2	6.1	6.6	6.9	
4H 2H	6.1	6.7	6.4	6.9	7.2	5.9	6.4	6.2	6.7	6.9	
3H	6.2	6.6	6.5	7.0	7.3	5.7	6.2	6.1	6.5	6.8	
4H	6.2	6.7	6.6	7.0	7.4	5.6	6.1	6.0	6.4	6.8	
6H	6.3	6.7	6.7	7.1	7.5	5.5	5.9	6.0	6.3	6.7	
8H	6.3	6.7	6.7	7.1	7.5	5.5	5.9	6.0	6.3	6.7	
12H	6.3	6.6	6.8	7.1	7.5	5.5	5.9	6.0	6.3	6.7	
8H 4H	6.1	6.5	6.5	6.9	7.3	5.5	5.9	5.9	6.2	6.7	
6H	6.2	6.5	6.6	6.9	7.4	5.4	5.7	5.9	6.2	6.6	
8H	6.2	6.5	6.7	6.9	7.4	5.4	5.7	5.9	6.2	6.6	
12H	6.3	6.5	6.8	7.0	7.5	5.4	5.7	6.0	6.2	6.7	
12H 4H	6.0	6.4	6.5	6.8	7.2	5.4	5.8	5.9	6.2	6.6	
6H	6.1	6.4	6.6	6.9	7.4	5.4	5.7	5.9	6.1	6.6	
8H	6.2	6.4	6.7	6.9	7.4	5.4	5.6	5.9	6.1	6.6	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.7 / - 3.2					+ 2.5 / - 6.3					
1.5H	+ 3.2 / - 4.8					+ 3.9 / - 6.5					
2.0H	+ 4.2 / - 3.3					+ 4.7 / - 2.8					

CIE Pub.117, 946.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

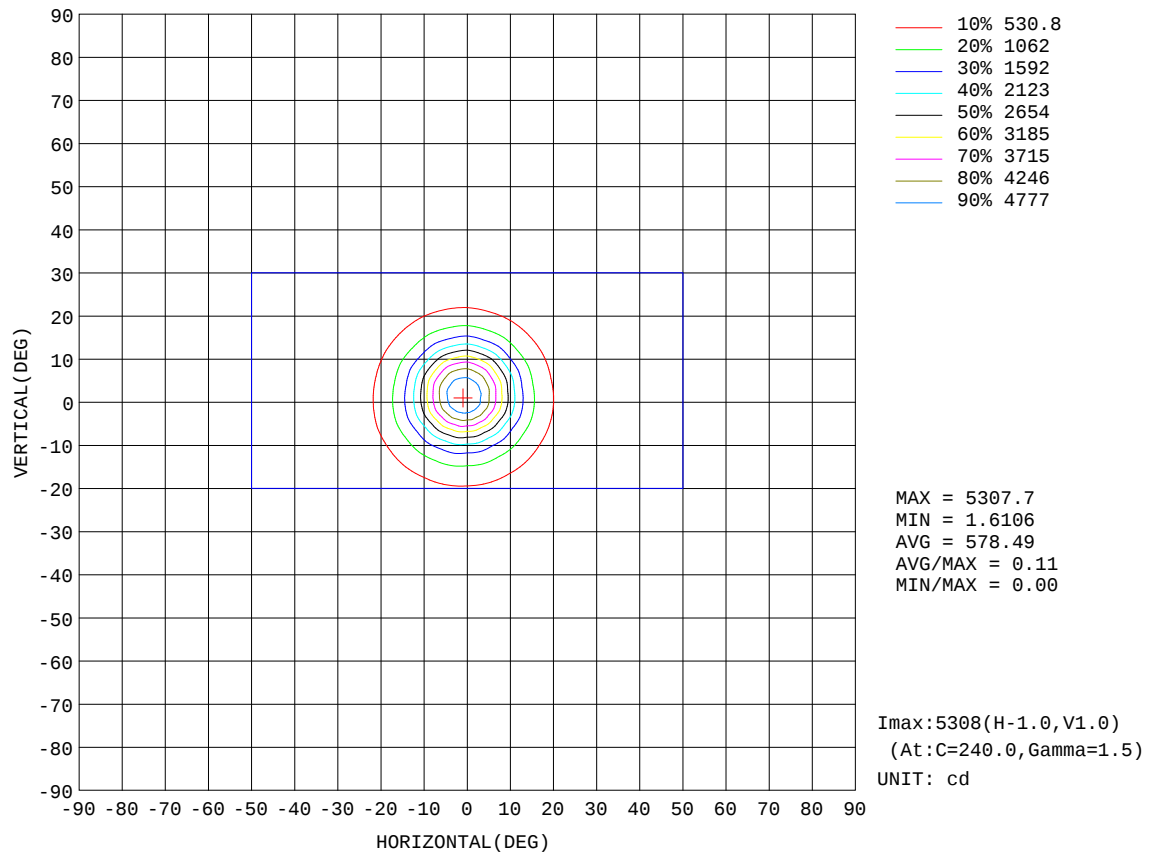
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	80	89	83	80	88	83	79	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	97	94	90	86
1.25	104	99	96	102	98	95	100	97	94	90
1.50	106	102	99	105	101	98	102	99	97	92
2.00	108	105	102	107	103	101	104	101	99	93
2.50	110	106	104	108	105	103	105	102	100	94
3.00	111	108	106	109	107	104	106	104	102	95
4.00	113	111	109	111	109	107	107	105	104	96
5.00	115	113	111	112	111	109	108	107	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:2021-08-12

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

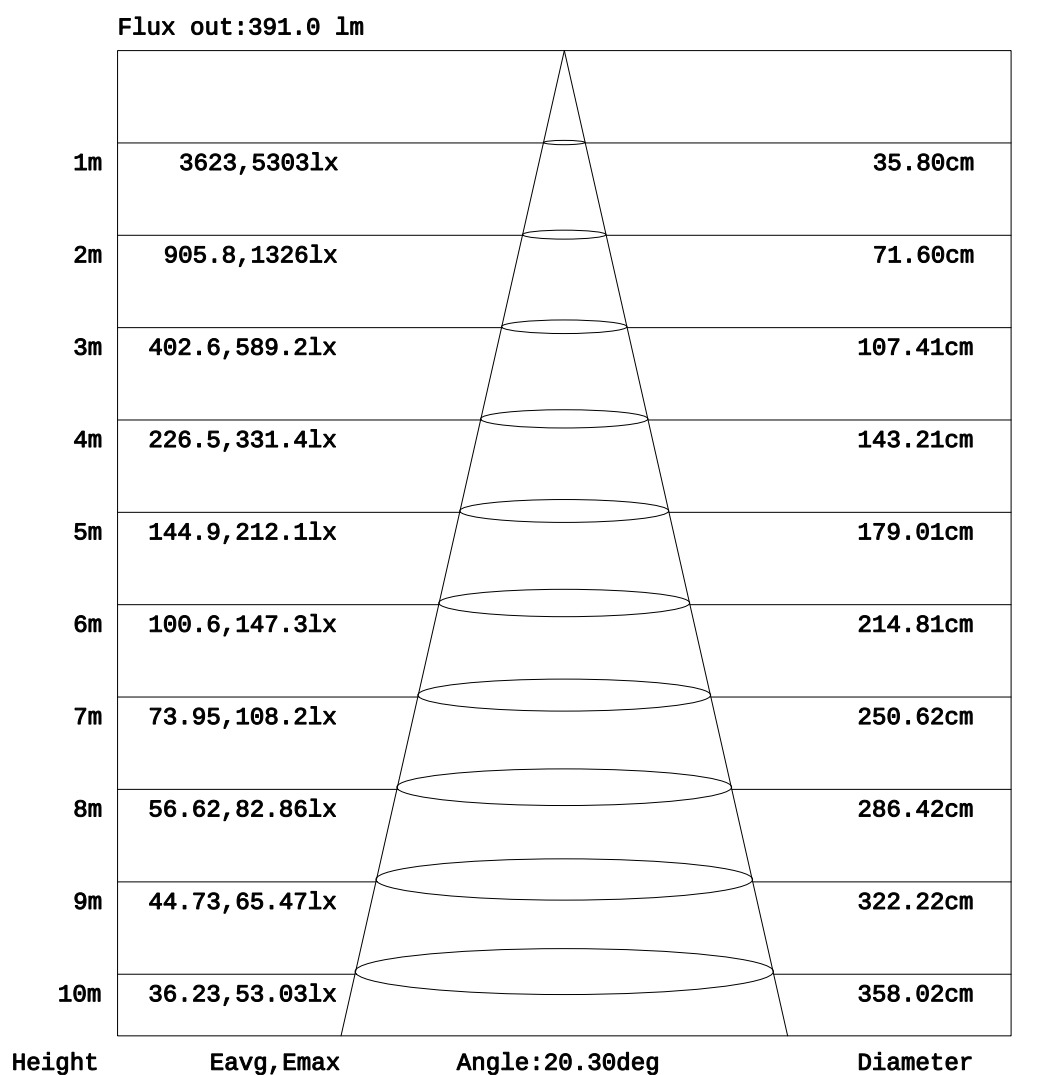


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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



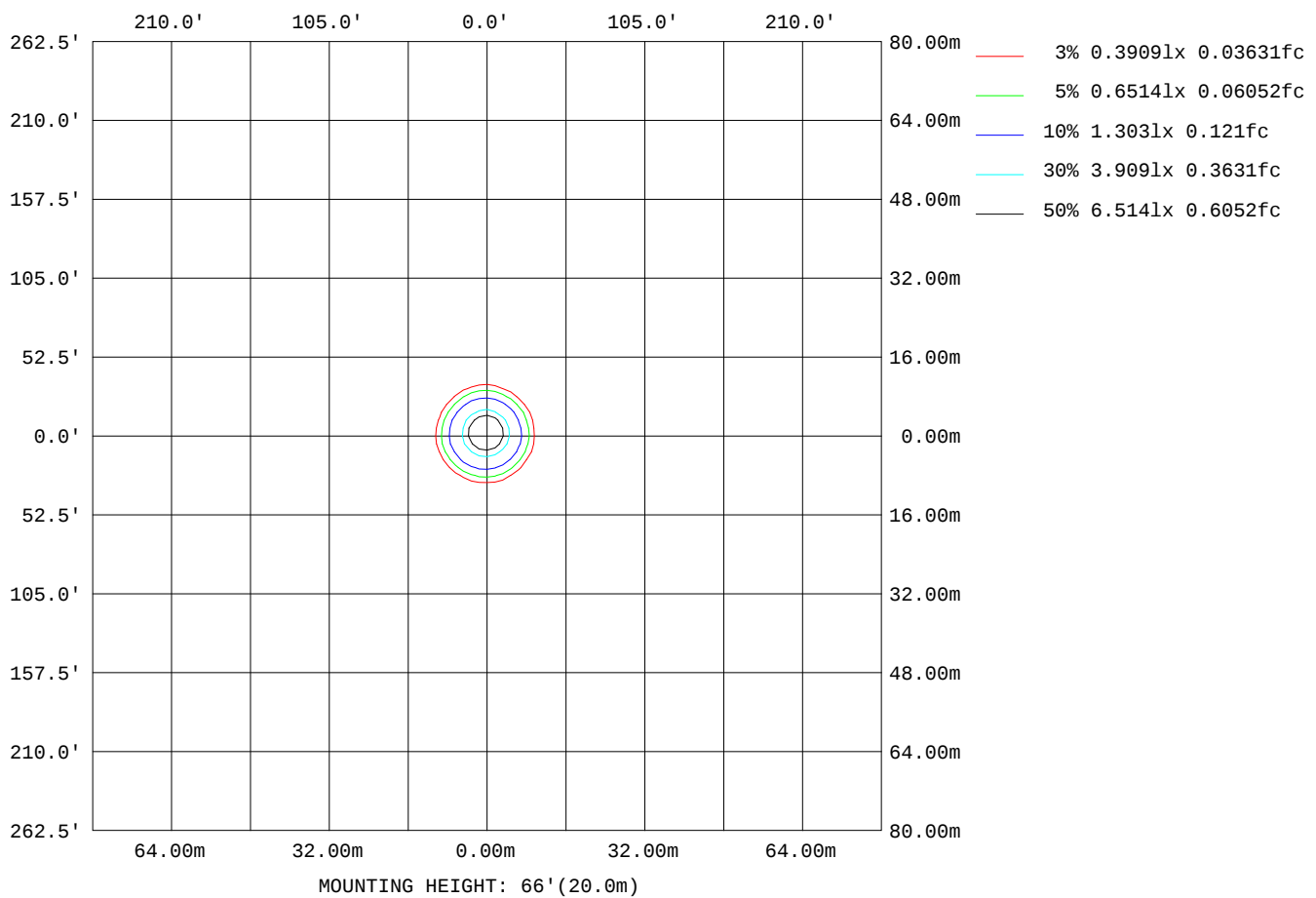
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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



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

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

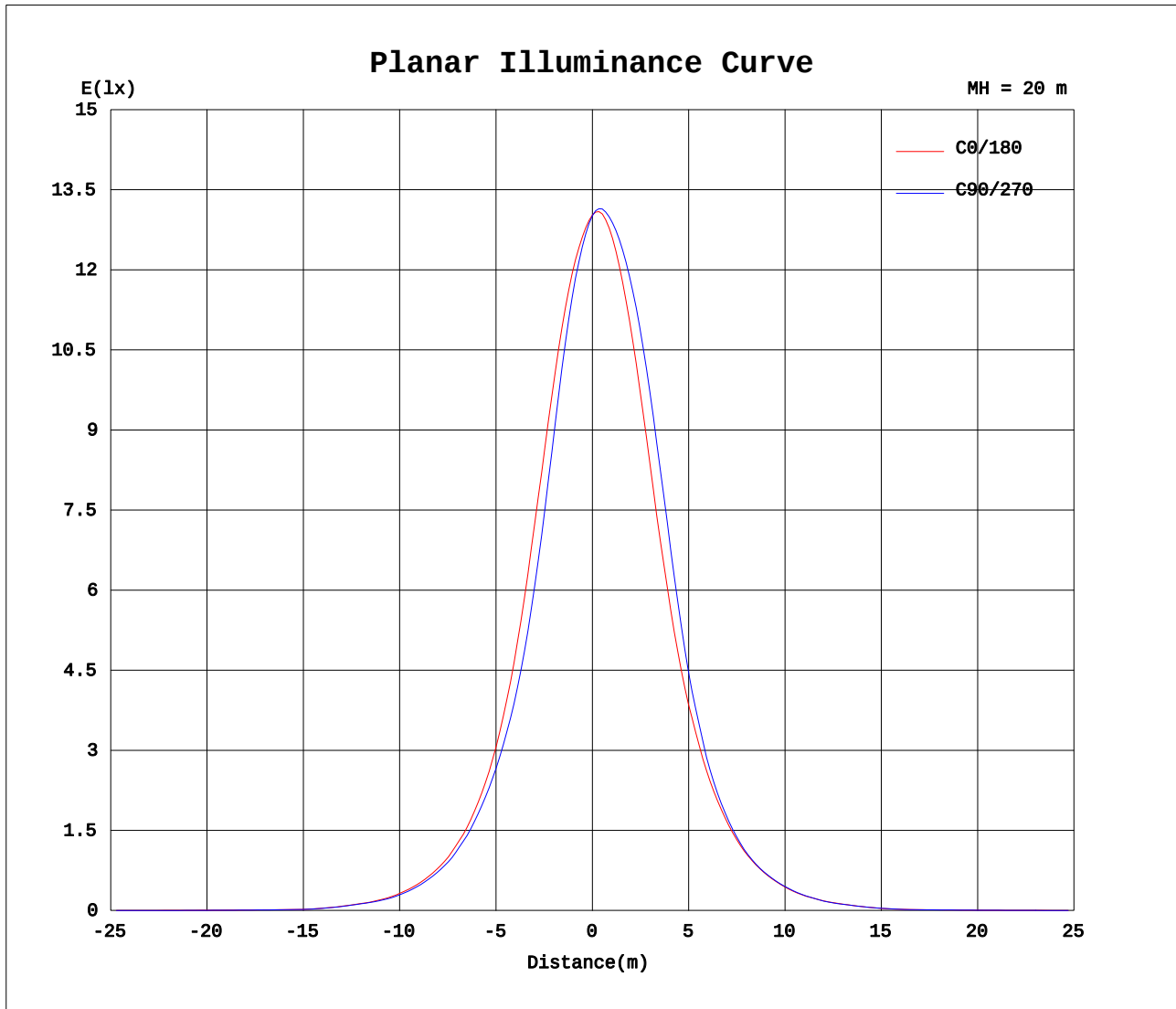
AvgL	cd/m2
L_0~180(65)av	1003
L_0~180(75)av	1397
L_0~180(85)av	787
L_90~270(65)av	162
L_90~270(75)av	210
L_90~270(85)av	671
L_45(65)av	310
L_45(75)av	328
L_45(85)av	749

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-CRI90-15D	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	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208	5208
5	4255	4171	4017	3984	3888	3927	3907	4028	4078	4266	4361	4572	4617	4708	4862	4887	4963	4915	4914
10	2448	2339	2150	2106	2005	2042	2031	2156	2218	2424	2545	2810	2902	3037	3279	3342	3497	3440	3461
15	1156	1114	1038	1029	995	1021	1021	1085	1124	1230	1295	1437	1486	1519	1643	1632	1709	1655	1685
20	534	506	474	473	460	477	480	510	534	586	625	688	706	716	761	749	774	739	737
25	236	226	210	211	207	215	217	231	236	261	282	316	320	321	333	327	340	329	326
30	97.7	95.9	91.1	91.4	89.6	92.5	93.2	99.5	104	115	122	137	138	138	147	141	148	137	139
35	33.0	39.0	41.7	42.0	41.9	37.8	31.1	40.5	49.2	53.9	56.5	59.7	54.4	60.2	64.5	63.3	63.3	58.9	54.3
40	13.4	13.2	14.9	16.7	14.9	12.6	12.1	13.0	17.0	22.9	23.8	17.3	16.7	16.8	27.4	27.5	27.9	17.2	15.7
45	7.14	7.51	8.28	9.29	8.03	6.42	5.55	6.78	8.80	11.3	11.0	10.1	9.64	10.2	11.1	11.9	11.0	9.50	8.94
50	2.76	2.63	3.82	4.68	3.25	1.58	1.08	1.69	3.72	5.98	5.28	3.89	3.62	4.54	6.28	7.29	6.06	4.05	3.30
55	2.02	1.38	1.11	1.20	0.70	0.49	0.43	0.50	0.75	1.71	1.40	1.38	1.86	2.09	2.36	2.84	2.15	1.23	1.13
60	1.76	1.01	0.78	0.52	0.39	0.31	0.31	0.31	0.37	0.54	0.84	1.03	1.52	3.96	1.91	1.03	0.95	0.89	0.84
65	1.81	0.51	0.54	0.39	0.36	0.21	0.21	0.22	0.32	0.35	0.58	0.52	1.25	5.27	3.94	0.59	0.52	0.35	0.28
70	2.38	0.44	0.51	0.35	0.31	0.22	0.20	0.22	0.28	0.34	0.51	0.43	1.72	5.03	0.96	0.26	0.21	0.21	0.19
75	1.26	0.41	0.47	0.39	0.28	0.24	0.20	0.24	0.27	0.38	0.45	0.43	1.34	2.54	0.21	0.23	0.20	0.20	0.19
80	0.71	0.34	0.38	0.31	0.28	0.24	0.21	0.24	0.27	0.29	0.36	0.35	0.74	0.22	0.42	0.19	0.19	0.20	0.19
85	0.26	0.27	0.27	0.27	0.27	0.25	0.23	0.24	0.25	0.27	0.26	0.27	0.24	0.20	0.22	0.19	0.19	0.19	0.19
90	0.26	0.30	0.28	0.29	0.26	0.26	0.24	0.25	0.24	0.32	0.28	0.32	0.28	0.22	0.26	0.19	0.20	0.20	0.21
95	0.77	0.36	0.47	0.44	0.31	0.29	0.25	0.28	0.28	0.44	0.49	0.38	0.52	0.91	0.38	0.22	0.24	0.23	0.25
100	1.04	0.52	0.66	0.58	0.40	0.34	0.29	0.33	0.36	0.55	0.64	0.55	0.75	1.89	0.57	0.27	0.28	0.27	0.29
105	1.27	0.77	0.71	0.59	0.46	0.40	0.34	0.39	0.41	0.55	0.67	0.75	1.28	2.29	0.67	0.32	0.34	0.32	0.34
110	1.53	0.85	0.74	0.55	0.53	0.49	0.44	0.49	0.47	0.56	0.67	0.76	1.66	3.02	0.83	0.37	0.41	0.39	0.41
115	2.20	1.03	0.88	0.57	0.52	0.64	0.59	0.66	0.51	0.59	0.75	0.81	2.18	4.00	1.07	0.43	0.51	0.52	0.54
120	1.29	1.24	1.09	0.86	0.98	0.84	0.78	0.82	0.89	0.75	0.88	1.00	1.06	1.08	0.86	0.62	0.79	0.79	0.80
125	1.72	1.64	1.59	1.57	1.70	1.59	1.50	1.56	1.50	1.37	1.30	1.28	1.33	1.28	1.18	1.12	1.53	1.25	1.19
130	2.79	2.85	3.06	3.27	3.33	3.10	2.95	2.98	3.00	2.85	2.56	2.33	2.34	2.29	2.27	2.93	3.69	2.26	2.53
135	5.10	5.26	5.74	5.70	5.80	5.56	5.37	5.36	5.35	5.05	4.96	4.46	4.45	4.50	13.1	4.91	7.65	3.95	3.92
140	11.4	8.88	8.75	8.36	8.45	8.48	8.36	8.25	7.97	7.65	7.83	7.93	10.5	17.5	25.5	6.60	22.4	6.67	6.56
145	13.8	11.5	11.2	11.0	11.2	11.1	11.1	10.9	10.7	10.5	10.4	10.6	14.1	23.2	9.67	9.50	9.40	9.68	10.5
150	12.9	13.0	13.0	13.0	13.1	13.1	13.1	12.9	12.8	12.6	12.6	12.5	12.5	12.3	12.1	12.0	12.0	12.0	12.1
155	14.0	14.2	14.0	14.0	14.3	14.2	14.1	14.2	14.3	13.9	13.9	14.0	13.9	13.8	13.8	13.7	13.8	13.8	13.8
160	14.6	14.5	14.0	14.0	14.2	14.2	14.2	14.4	14.4	14.4	14.3	14.8	14.9	14.4	14.8	14.8	14.7	14.9	15.5
165	13.2	13.1	12.6	12.5	12.7	13.0	13.2	13.4	13.3	13.3	13.4	14.0	14.1	13.9	14.0	14.1	14.2	14.4	14.8
170	10.9	10.7	10.4	10.2	10.3	10.5	10.7	10.9	11.0	11.2	11.6	12.0	12.1	12.2	12.3	12.2	12.4	12.4	12.5
175	9.13	8.93	8.79	8.81	8.84	8.73	8.83	9.04	9.34	9.68	9.91	10.1	10.0	10.1	10.4	10.4	10.4	10.3	10.3
180	8.96	8.91	8.96	9.08	8.97	8.88	9.01	8.97	9.05	9.25	9.18	9.16	8.99	8.91	8.97	9.07	8.99	8.88	9.02

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

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	5208	5208	5208	5208	5208														
5	4804	4746	4598	4504	4334														
10	3290	3207	2963	2819	2568														
15	1563	1545	1388	1321	1198														
20	679	664	617	590	547														
25	299	288	269	265	242														
30	126	125	112	108	98.3														
35	53.8	53.3	49.2	47.9	38.0														
40	15.8	22.8	21.6	19.0	13.6														
45	9.13	9.98	11.1	9.97	7.76														
50	3.84	5.58	6.33	4.90	2.92														
55	1.22	1.85	2.25	1.65	2.14														
60	0.90	0.97	0.96	2.75	4.63														
65	0.33	0.51	0.55	4.37	4.84														
70	0.21	0.21	0.25	0.44	4.28														
75	0.19	0.20	0.22	0.23	0.68														
80	0.19	0.20	0.20	0.25	0.23														
85	0.19	0.21	0.20	0.23	0.24														
90	0.20	0.22	0.21	0.25	0.25														
95	0.23	0.26	0.25	0.43	0.64														
100	0.28	0.31	0.31	0.57	1.84														
105	0.34	0.37	0.36	0.83	2.12														
110	0.41	0.45	0.44	1.02	2.87														
115	0.55	0.58	0.53	0.84	3.90														
120	0.84	0.93	0.76	1.06	1.34														
125	1.42	1.78	1.43	1.43	1.67														
130	2.34	3.84	2.93	2.81	2.90														
135	4.15	7.14	5.13	15.7	5.55														
140	6.87	24.2	7.35	26.9	19.0														
145	9.92	9.88	10.2	10.5	22.9														
150	12.2	12.3	12.5	12.7	12.9														
155	13.9	13.9	13.9	14.0	14.0														
160	14.8	14.7	14.6	14.7	14.1														
165	14.3	13.9	13.5	13.3	13.1														
170	12.2	11.9	11.5	11.3	11.1														
175	10.1	10.1	9.94	9.61	9.48														
180	8.97	9.06	9.25	9.18	9.16														

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: