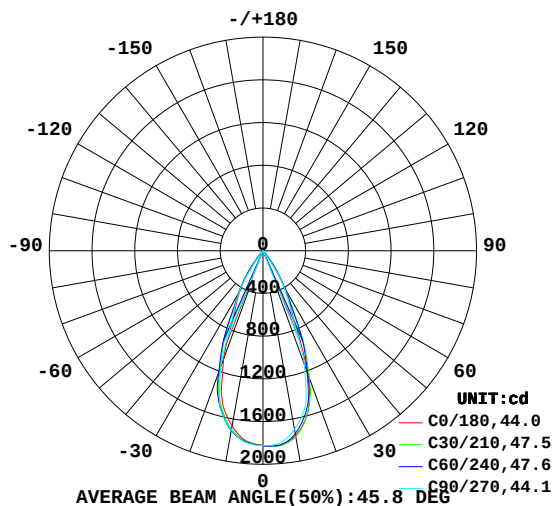


LUMINAIRE PHOTOMETRIC TEST REPORT

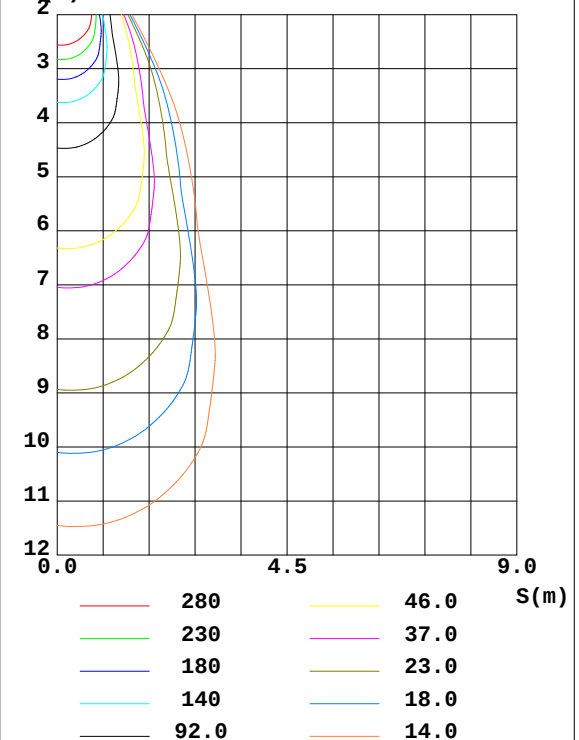
NAME: VM060-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 84.15 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	1837	S/MH(C0/180)	0.67
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.69
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1131.7	η UP, DN(C0-180)	1.2, 48.7
NOMINAL FLUX(lm)	1131.67	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.9
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:2021-08-12

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:

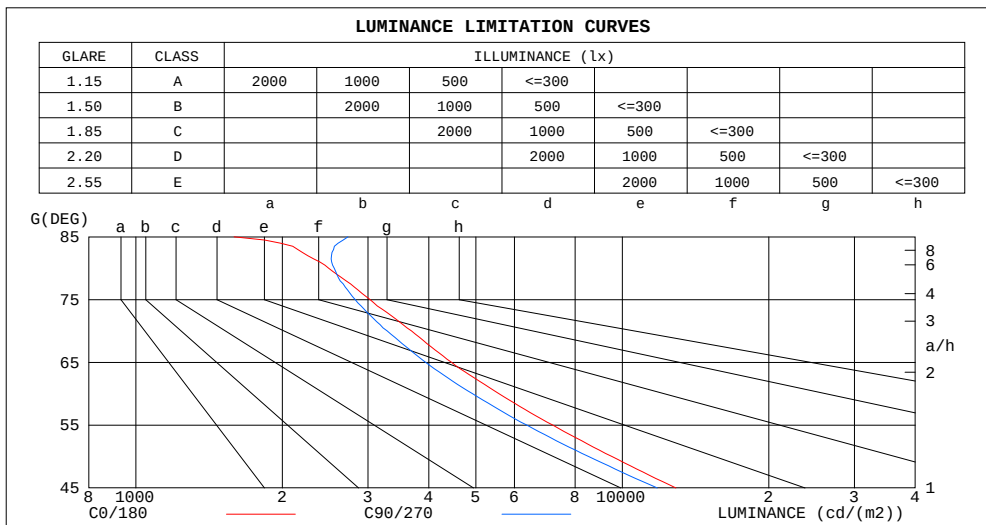
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1757	1763	1699	1697	1667	1704	1706	1749	0- 10	169.9	169.9	15,15
20	1205	1311	1132	1239	1079	1245	1158	1304	10- 20	420.2	590.1	52.1,52.1
30	394.5	472.0	400.7	479.3	428.8	475.1	442.0	469.9	20- 30	346.8	936.9	82.8,82.8
40	36.79	85.06	34.65	97.78	38.17	95.88	38.07	81.10	30- 40	132.2	1069	94.5,94.5
50	17.13	10.46	15.45	11.10	17.68	11.42	17.62	11.25	40- 50	19.20	1088	96.2,96.2
60	7.810	5.125	6.946	5.468	7.844	5.572	7.890	5.632	50- 60	8.872	1097	96.9,96.9
70	3.532	2.609	3.172	2.773	3.495	2.753	3.478	2.834	60- 70	4.588	1102	97.4,97.4
80	1.211	1.075	1.253	1.207	1.323	1.152	1.305	1.138	70- 80	2.193	1104	97.5,97.5
90	0.2385	0.2652	0.2913	0.2416	0.2305	0.2205	0.2737	0.2169	80- 90	0.6899	1105	97.6,97.6
100	0.2786	0.2956	0.2821	0.2970	0.2875	0.2601	0.2787	0.2724	90-100	0.2737	1105	97.6,97.6
110	0.5808	0.6355	0.5831	0.6099	0.5558	0.5969	0.5557	0.6288	100-110	0.4102	1105	97.7,97.7
120	1.782	1.862	1.842	1.843	1.753	1.850	1.716	1.880	110-120	1.080	1106	97.8,97.8
130	4.479	4.455	4.658	4.513	4.611	4.468	4.469	4.418	120-130	2.710	1109	98,98
140	8.172	8.082	8.450	8.268	8.438	8.209	8.241	8.065	130-140	4.856	1114	98.4,98.4
150	11.82	11.70	12.12	11.94	12.12	11.94	11.98	11.76	140-150	6.326	1120	99,99
160	13.80	13.90	14.19	14.04	13.94	13.96	14.21	13.94	150-160	6.055	1126	99.5,99.5
170	14.15	14.08	14.24	14.21	14.08	14.19	14.26	14.19	160-170	4.014	1130	99.9,99.9
180	14.81	14.81	14.76	14.87	14.82	14.80	14.76	14.86	170-180	1.370	1132	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-VF64SF01-15W	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	1592	2728
80	2489	2556
75	3030	2824
70	3686	3285
65	4454	3942
60	5576	4920
55	7190	6360
50	9514	8515
45	12878	11795

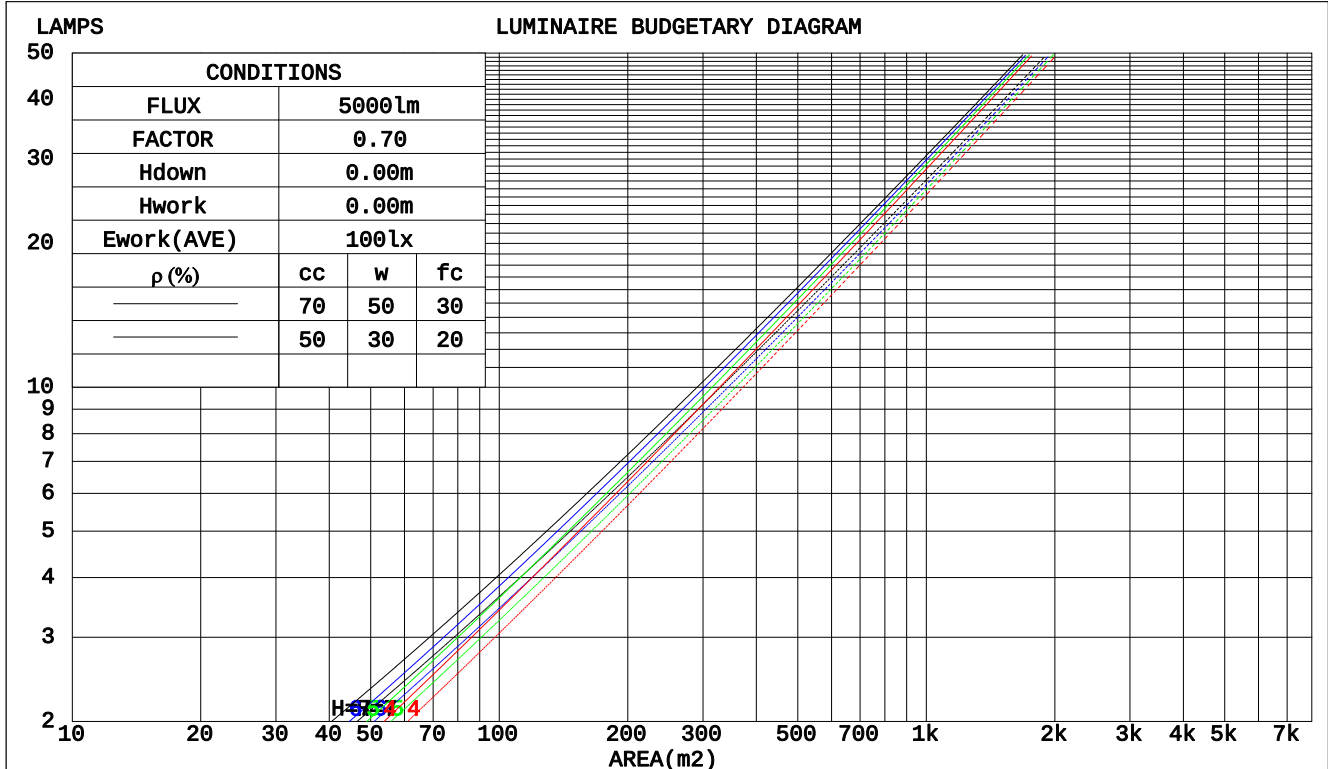
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-VF64SF01-15W	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	1.11	1.08	1.06	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.95	.94	.92
2.0	1.04	1.00	.97	1.02	.99	.96	.98	.96	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.98	.93	.90	.96	.92	.89	.93	.90	.87	.91	.88	.85	.88	.86	.84	.82
4.0	.92	.87	.84	.91	.86	.83	.89	.85	.82	.86	.83	.80	.84	.82	.79	.78
5.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.82	.79	.76	.81	.78	.75	.74
6.0	.83	.77	.74	.82	.77	.73	.80	.76	.73	.79	.75	.72	.77	.74	.71	.70
7.0	.79	.73	.70	.78	.73	.69	.76	.72	.69	.75	.71	.68	.74	.70	.68	.66
8.0	.75	.70	.66	.74	.69	.66	.73	.68	.65	.72	.68	.65	.71	.67	.64	.63
9.0	.71	.66	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
10.0	.68	.63	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.65	.61	.59	.57



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-VF64SF01-15W	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	.166	.094	.030	.159	.090	.029	.145	.083	.026	.132	.076	.024	.120	.070	.022		
2.0	.157	.086	.026	.150	.083	.026	.139	.077	.024	.128	.072	.022	.118	.067	.021		
3.0	.148	.079	.024	.143	.076	.023	.133	.072	.022	.123	.068	.021	.115	.064	.020		
4.0	.140	.073	.021	.136	.071	.021	.127	.067	.020	.119	.064	.019	.111	.061	.018		
5.0	.133	.068	.020	.129	.066	.019	.122	.063	.019	.115	.060	.018	.108	.058	.017		
6.0	.127	.064	.018	.123	.062	.018	.117	.060	.017	.110	.057	.017	.105	.055	.016		
7.0	.121	.060	.017	.118	.059	.017	.112	.057	.016	.106	.055	.016	.101	.053	.015		
8.0	.116	.057	.016	.113	.056	.016	.108	.054	.015	.103	.052	.015	.098	.050	.015		
9.0	.111	.054	.015	.109	.053	.015	.104	.051	.015	.099	.050	.014	.095	.048	.014		
10.0	.107	.051	.014	.104	.050	.014	.100	.049	.014	.096	.048	.014	.092	.046	.013		

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	.189	.176	.164	.161	.151	.141	.110	.104	.098	.064	.060	.057	.020	.019	.018	
2.0	.173	.151	.133	.148	.130	.115	.101	.090	.080	.058	.052	.047	.019	.017	.015	
3.0	.160	.132	.110	.137	.114	.095	.094	.079	.067	.054	.046	.039	.017	.015	.013	
4.0	.149	.117	.093	.128	.101	.081	.088	.071	.057	.051	.041	.034	.016	.013	.011	
5.0	.140	.105	.080	.120	.091	.070	.083	.064	.049	.048	.037	.029	.015	.012	.010	
6.0	.132	.096	.070	.113	.083	.061	.078	.058	.043	.045	.034	.026	.015	.011	.009	
7.0	.125	.088	.063	.108	.077	.055	.074	.054	.039	.043	.032	.023	.014	.010	.008	
8.0	.119	.082	.056	.103	.071	.049	.071	.050	.035	.041	.029	.021	.013	.010	.007	
9.0	.114	.077	.052	.098	.067	.045	.068	.047	.032	.040	.028	.019	.013	.009	.006	
10.0	.109	.072	.048	.094	.063	.041	.065	.044	.029	.038	.026	.018	.012	.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-VF64SF01-15W						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						16.5	17.3	16.7	17.5	17.7	16.6
3H						16.4	17.2	16.7	17.4	17.6	16.5
4H						16.4	17.1	16.7	17.3	17.6	16.4
6H						16.3	17.0	16.6	17.3	17.5	16.4
8H						16.3	16.9	16.6	17.2	17.5	16.3
12H						16.2	16.9	16.6	17.2	17.5	16.3
4H 2H						16.3	17.0	16.6	17.2	17.5	16.4
3H						16.2	16.8	16.5	17.1	17.4	16.3
4H						16.2	16.7	16.5	17.1	17.4	16.2
6H						16.1	16.6	16.5	17.0	17.4	16.2
8H						16.1	16.5	16.5	16.9	17.4	16.1
12H						16.0	16.5	16.5	16.9	17.3	16.1
8H 4H						16.0	16.5	16.5	16.9	17.3	16.1
6H						16.0	16.4	16.5	16.8	17.3	16.1
8H						16.0	16.3	16.5	16.8	17.2	16.0
12H						15.9	16.2	16.4	16.7	17.2	16.0
12H 4H						16.0	16.4	16.4	16.8	17.3	16.0
6H						15.9	16.3	16.4	16.7	17.2	16.0
8H						15.9	16.2	16.4	16.7	17.2	16.0
Variations with the observer position at spacings:											
S = 1.0H						+ 2.4 / - 2.9			+ 2.4 / - 3.1		
1.5H						+ 4.2 / - 3.0			+ 4.3 / - 3.0		
2.0H						+ 2.7 / - 1.9			+ 2.6 / - 1.7		

CIE Pub.117, 1132 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.4$)

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-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

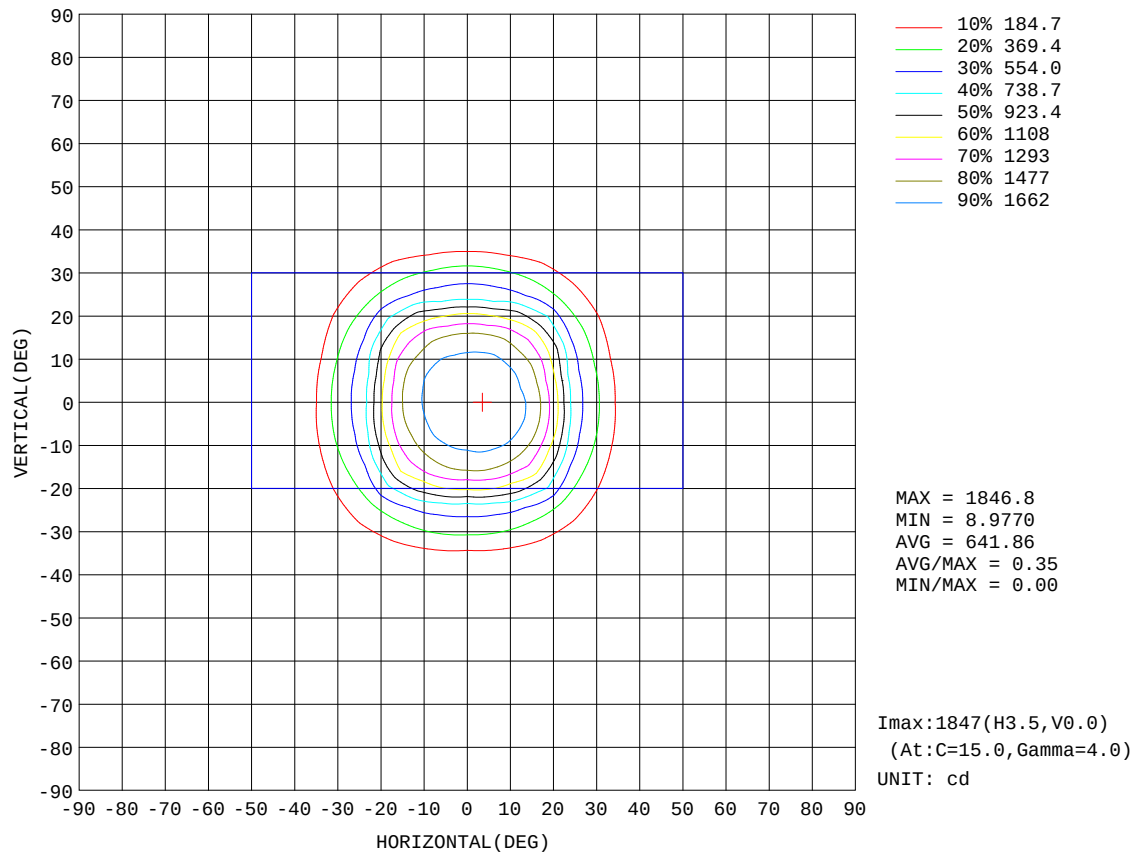
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	88	82	79	88	82	78	87	81	78	75
0.80	95	90	86	95	89	86	93	89	85	82
1.00	99	94	91	98	93	90	97	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	99	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	94
3.00	111	108	105	109	106	104	106	103	102	95
4.00	113	111	109	111	109	107	107	105	104	96
5.00	115	112	111	112	110	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-VF64SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

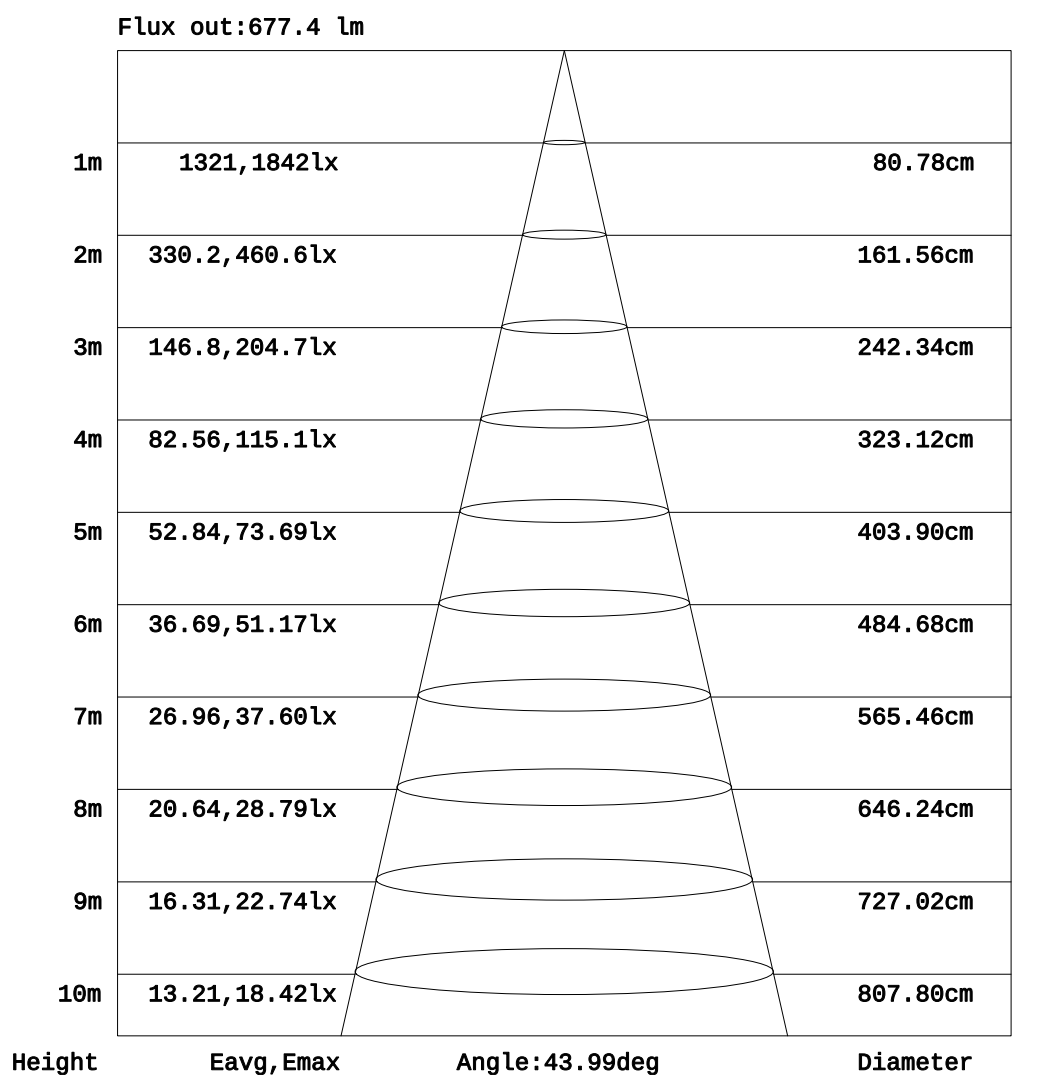


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

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-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



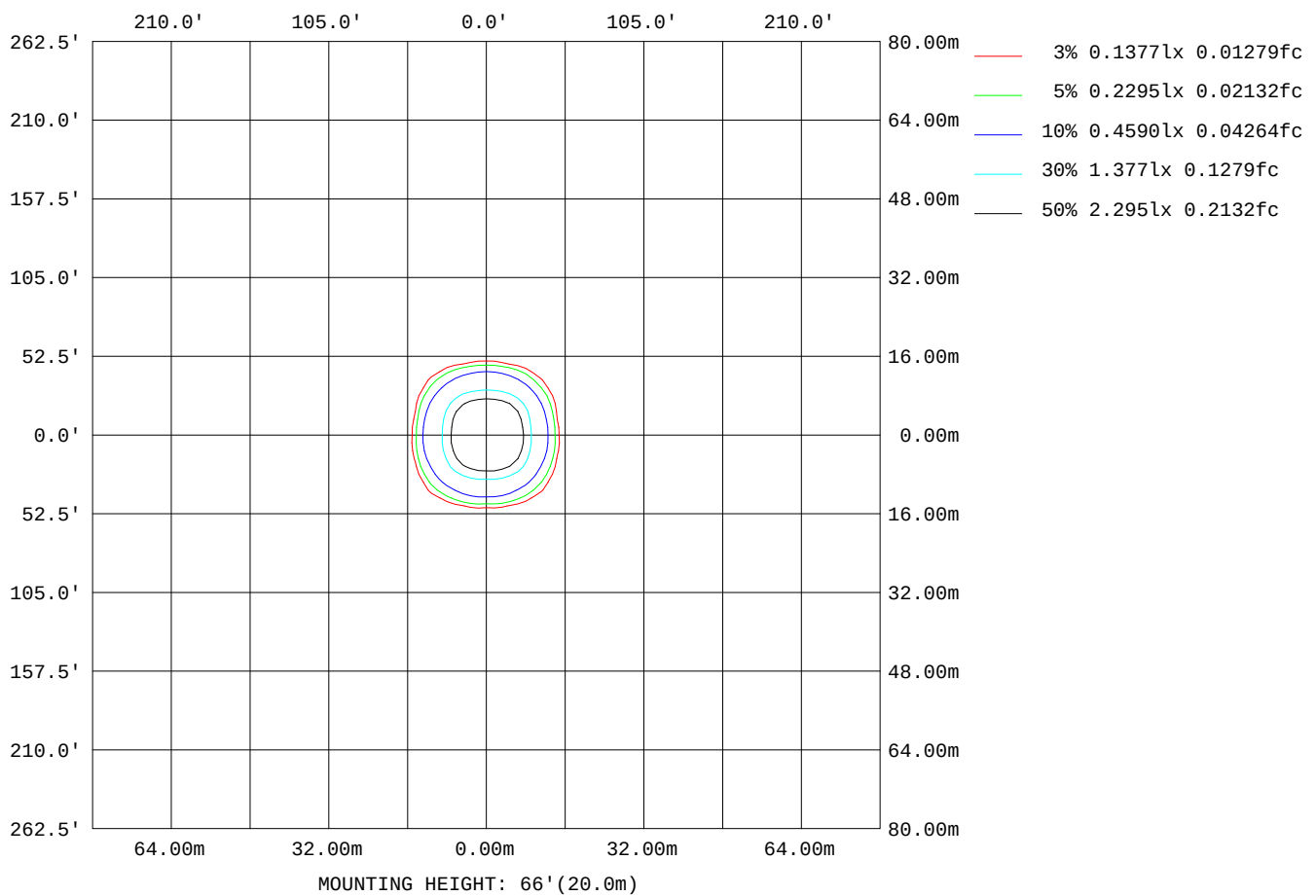
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF64SF01-15W	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-VF64SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

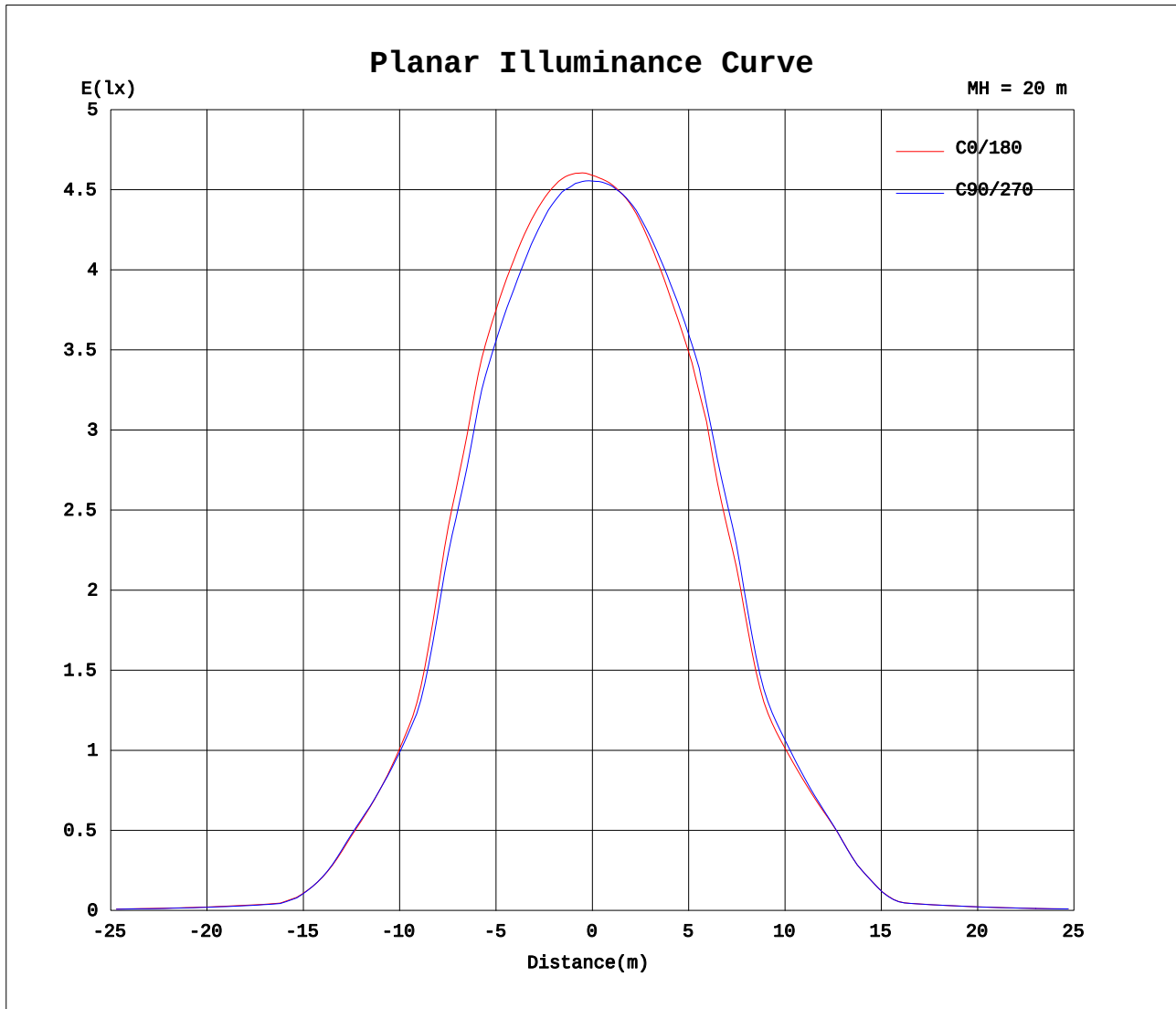
AvgL	cd/m2
L_0~180(65)av	4418
L_0~180(75)av	3051
L_0~180(85)av	1868
L_90~270(65)av	4185
L_90~270(75)av	2938
L_90~270(85)av	2690
L_45(65)av	3269
L_45(75)av	2548
L_45(85)av	2357

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-VF64SF01-15W	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	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824	1824
5	1830	1835	1833	1830	1826	1818	1807	1803	1799	1795	1792	1791	1787	1790	1792	1793	1798	1799	1803
10	1757	1771	1765	1763	1739	1724	1699	1699	1694	1697	1685	1680	1667	1678	1697	1704	1710	1700	1706
15	1593	1607	1591	1581	1559	1545	1518	1520	1505	1499	1483	1486	1467	1485	1509	1514	1533	1526	1539
20	1205	1237	1266	1311	1223	1173	1132	1156	1189	1239	1164	1116	1079	1093	1181	1245	1217	1152	1158
25	646	685	815	877	788	659	629	660	782	835	769	654	625	650	776	825	806	665	666
30	395	405	418	472	423	412	401	419	432	479	439	439	429	433	456	475	457	437	442
35	151	176	210	226	216	181	154	186	225	248	240	214	180	193	246	251	243	193	182
40	36.8	36.7	56.6	85.1	56.4	34.8	34.7	34.6	56.4	97.8	65.2	38.8	38.2	36.8	58.7	95.9	59.9	36.8	38.1
45	25.5	24.9	19.6	16.5	18.7	23.3	23.5	23.2	19.1	17.0	20.9	26.4	26.6	25.4	20.8	17.4	21.1	25.7	26.5
50	17.1	16.4	12.7	10.5	12.0	15.1	15.5	15.1	12.3	11.1	13.5	17.4	17.7	16.7	13.5	11.4	13.8	17.0	17.6
55	11.6	10.9	8.47	7.26	8.03	9.99	10.3	9.95	8.27	7.73	9.01	11.4	11.7	11.0	9.01	7.92	9.25	11.3	11.8
60	7.81	7.35	5.81	5.13	5.54	6.73	6.95	6.72	5.74	5.47	6.17	7.61	7.84	7.35	6.19	5.57	6.35	7.56	7.89
65	5.27	4.98	4.07	3.68	3.90	4.58	4.70	4.58	4.05	3.92	4.29	5.13	5.26	4.96	4.30	3.95	4.38	5.05	5.27
70	3.53	3.36	2.82	2.61	2.72	3.12	3.17	3.13	2.82	2.77	2.96	3.46	3.49	3.34	2.99	2.75	3.00	3.37	3.48
75	2.20	2.16	1.87	1.78	1.85	2.06	2.06	2.06	1.91	1.90	2.00	2.25	2.26	2.16	1.99	1.85	1.98	2.15	2.22
80	1.21	1.26	1.11	1.07	1.16	1.25	1.25	1.27	1.21	1.21	1.25	1.37	1.32	1.29	1.22	1.15	1.21	1.28	1.31
85	0.39	0.54	0.52	0.55	0.61	0.66	0.67	0.68	0.66	0.65	0.63	0.68	0.53	0.48	0.58	0.58	0.62	0.64	0.65
90	0.24	0.24	0.24	0.27	0.25	0.24	0.29	0.25	0.25	0.24	0.25	0.26	0.23	0.23	0.22	0.22	0.22	0.22	0.27
95	0.25	0.26	0.24	0.26	0.25	0.27	0.26	0.27	0.25	0.26	0.26	0.27	0.26	0.24	0.24	0.23	0.24	0.22	0.25
100	0.28	0.29	0.27	0.30	0.28	0.30	0.28	0.30	0.27	0.30	0.27	0.30	0.29	0.26	0.27	0.26	0.27	0.25	0.28
105	0.34	0.37	0.37	0.40	0.38	0.37	0.35	0.37	0.37	0.38	0.36	0.36	0.36	0.35	0.37	0.37	0.37	0.34	0.35
110	0.58	0.60	0.62	0.64	0.62	0.60	0.58	0.59	0.60	0.61	0.59	0.56	0.56	0.56	0.59	0.60	0.58	0.55	0.56
115	1.02	1.03	1.09	1.09	1.10	1.05	1.04	1.04	1.07	1.06	1.05	0.97	0.96	1.00	1.03	1.07	1.01	0.98	0.97
120	1.78	1.78	1.87	1.86	1.89	1.83	1.84	1.81	1.88	1.84	1.85	1.75	1.75	1.81	1.81	1.85	1.79	1.77	1.72
125	2.97	2.95	3.01	2.99	3.05	3.02	3.08	3.04	3.07	3.00	3.03	2.97	3.02	3.03	2.96	2.99	2.93	2.97	2.93
130	4.48	4.45	4.47	4.45	4.52	4.56	4.66	4.60	4.58	4.51	4.54	4.52	4.61	4.59	4.48	4.47	4.43	4.48	4.47
135	6.27	6.24	6.23	6.19	6.30	6.38	6.50	6.43	6.40	6.30	6.36	6.37	6.46	6.42	6.27	6.25	6.23	6.31	6.28
140	8.17	8.15	8.13	8.08	8.21	8.32	8.45	8.41	8.37	8.27	8.32	8.34	8.44	8.39	8.23	8.21	8.19	8.28	8.24
145	10.1	10.1	10.0	9.98	10.1	10.2	10.4	10.3	10.3	10.2	10.3	10.3	10.4	10.3	10.2	10.2	10.2	10.2	10.2
150	11.8	11.8	11.8	11.7	11.8	11.9	12.1	12.1	12.0	11.9	12.1	12.0	12.1	12.1	11.9	11.9	11.9	12.0	12.0
155	13.1	13.0	13.0	13.1	13.2	13.3	13.4	13.4	13.3	13.3	13.3	13.3	13.4	13.4	13.2	13.2	13.3	13.4	13.4
160	13.8	13.7	13.7	13.9	14.0	14.1	14.2	14.1	14.0	14.0	13.9	14.0	13.9	14.0	13.9	14.0	14.0	14.1	14.2
165	14.1	14.1	14.0	14.1	14.2	14.4	14.5	14.4	14.3	14.2	14.2	14.2	14.1	14.2	14.1	14.1	14.2	14.3	14.4
170	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.3	14.2	14.1	14.2	14.2	14.2	14.2	14.2	14.3
175	14.4	14.4	14.3	14.4	14.4	14.3	14.3	14.4	14.4	14.6	14.5	14.5	14.4	14.5	14.6	14.6	14.6	14.5	14.5
180	14.8	14.8	14.7	14.8	14.7	14.7	14.8	14.7	14.7	14.9	14.8	14.8	14.8	14.8	14.8	14.8	14.7	14.7	14.8

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-VF64SF01-15W	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	1824	1824	1824	1824	1824													
5	1809	1816	1820	1826	1825													
10	1721	1743	1749	1756	1749													
15	1550	1577	1571	1587	1580													
20	1170	1247	1304	1278	1207													
25	672	812	872	841	666													
30	439	455	470	441	400													
35	191	233	229	220	162													
40	36.8	55.0	81.1	52.1	35.2													
45	25.3	20.7	16.8	20.0	24.2													
50	16.5	13.4	11.2	13.2	16.1													
55	10.9	9.03	7.89	8.97	10.8													
60	7.32	6.25	5.63	6.26	7.32													
65	4.93	4.36	4.04	4.39	4.98													
70	3.30	3.02	2.83	3.06	3.36													
75	2.13	2.02	1.91	2.01	2.13													
80	1.26	1.23	1.14	1.16	1.20													
85	0.63	0.61	0.54	0.51	0.44													
90	0.22	0.22	0.22	0.22	0.22													
95	0.23	0.24	0.22	0.24	0.23													
100	0.26	0.28	0.27	0.28	0.27													
105	0.34	0.38	0.38	0.39	0.36													
110	0.57	0.61	0.63	0.63	0.61													
115	1.01	1.06	1.10	1.07	1.06													
120	1.80	1.82	1.88	1.84	1.85													
125	2.96	2.92	2.99	2.95	3.03													
130	4.45	4.39	4.42	4.43	4.52													
135	6.25	6.14	6.16	6.18	6.32													
140	8.21	8.07	8.07	8.09	8.24													
145	10.2	10.02	9.99	10.01	10.1													
150	11.9	11.8	11.8	11.7	11.9													
155	13.3	13.2	13.1	13.1	13.1													
160	14.1	14.0	13.9	13.8	13.8													
165	14.4	14.3	14.1	14.1	14.2													
170	14.3	14.2	14.2	14.2	14.2													
175	14.4	14.5	14.6	14.5	14.5													
180	14.7	14.7	14.9	14.8	14.8													

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: