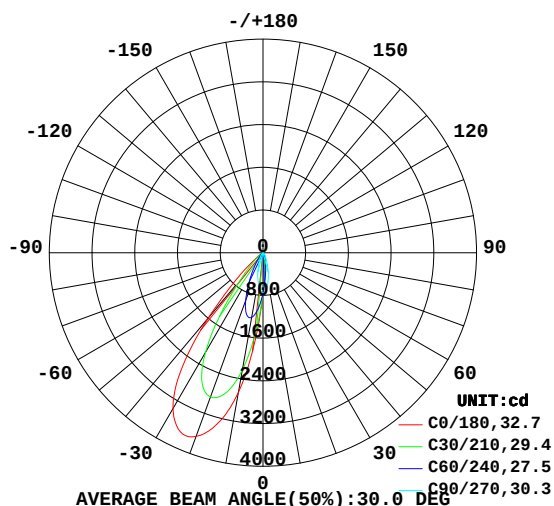


LUMINAIRE PHOTOMETRIC TEST REPORT

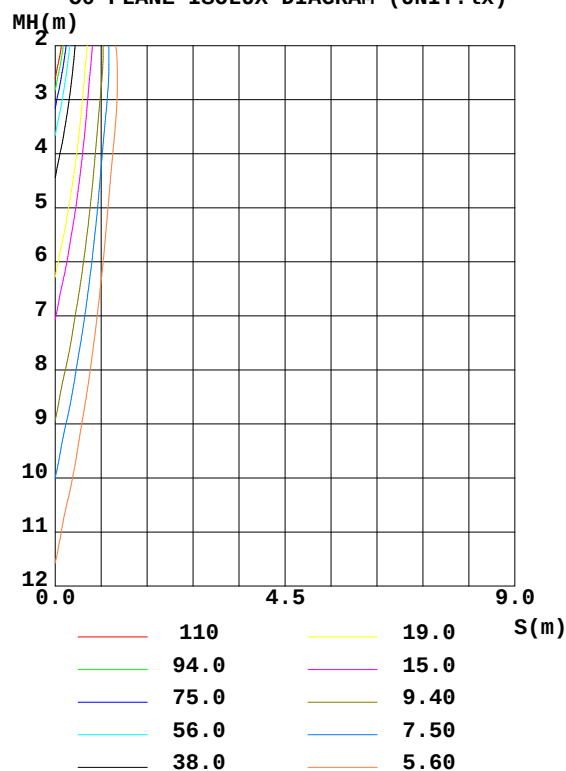
NAME: VM060-VF65SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 96.14 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3720	S/MH(C0/180)	1.48	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.50	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1294.4	η UP, DN(C0-180)	1.3, 41.0	
NOMINAL FLUX(lm)	1294.38	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1, 56.6	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.55	

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: 2021-08-11

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:

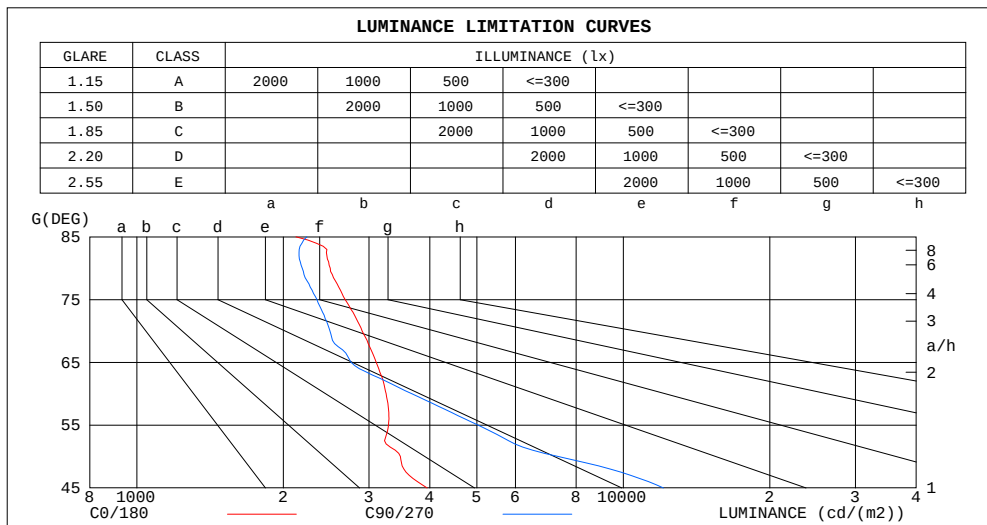
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	182.3	239.4	551.4	1766	2652	1729	541.2	236.6	0- 10	85.31	85.31	6.59,6.59
20	72.91	91.48	245.4	1956	3659	1879	245.7	91.12	10- 20	294.5	379.8	29.3,29.3
30	37.02	48.12	104.4	996.9	3371	939.8	101.7	48.37	20- 30	413.5	793.3	61.3,61.3
40	17.71	27.98	53.76	300.3	1592	266.2	50.04	28.42	30- 40	314.1	1107	85.6,85.6
50	10.38	13.73	21.64	86.06	232.3	73.63	20.58	14.03	40- 50	114.0	1221	94.4,94.4
60	7.546	7.376	8.425	20.55	34.19	20.28	8.335	7.608	50- 60	28.64	1250	96.6,96.6
70	4.609	4.433	3.913	5.427	5.578	5.092	4.025	4.535	60- 70	8.649	1259	97.2,97.2
80	2.013	1.947	1.743	1.811	1.825	1.698	1.785	1.945	70- 80	3.261	1262	97.5,97.5
90	0.4100	0.3747	0.2984	0.2627	0.2061	0.2177	0.2587	0.3624	80- 90	1.062	1263	97.6,97.6
100	1.447	0.6916	0.3770	0.3422	0.2638	0.2690	0.3597	0.7220	90-100	0.4333	1263	97.6,97.6
110	5.035	2.131	0.5719	0.4599	0.3659	0.3896	0.5681	2.285	100-110	0.9965	1264	97.7,97.7
120	10.92	5.963	1.165	0.6231	0.5366	0.5574	1.134	6.354	110-120	2.333	1267	97.9,97.9
130	16.63	11.30	3.116	0.9519	0.7808	0.8994	3.014	11.95	120-130	4.198	1271	98.2,98.2
140	18.48	15.92	7.099	2.081	1.418	2.035	6.957	16.80	130-140	5.766	1277	98.6,98.6
150	15.57	17.28	11.92	5.466	3.695	5.280	11.78	18.42	140-150	6.276	1283	99.1,99.1
160	11.81	16.28	15.77	10.80	8.574	10.36	15.71	17.30	150-160	5.649	1289	99.6,99.6
170	14.24	15.90	17.22	15.88	14.51	15.18	17.29	16.90	160-170	4.117	1293	99.9,99.9
180	17.50	17.12	17.48	17.99	17.50	17.12	17.49	17.98	170-180	1.592	1294	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:2021-08-11

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-VF65SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2124	2235
80	2498	2187
75	2681	2344
70	2904	2493
65	3105	2756
60	3253	3672
55	3290	5027
50	3479	7336
45	3951	12085

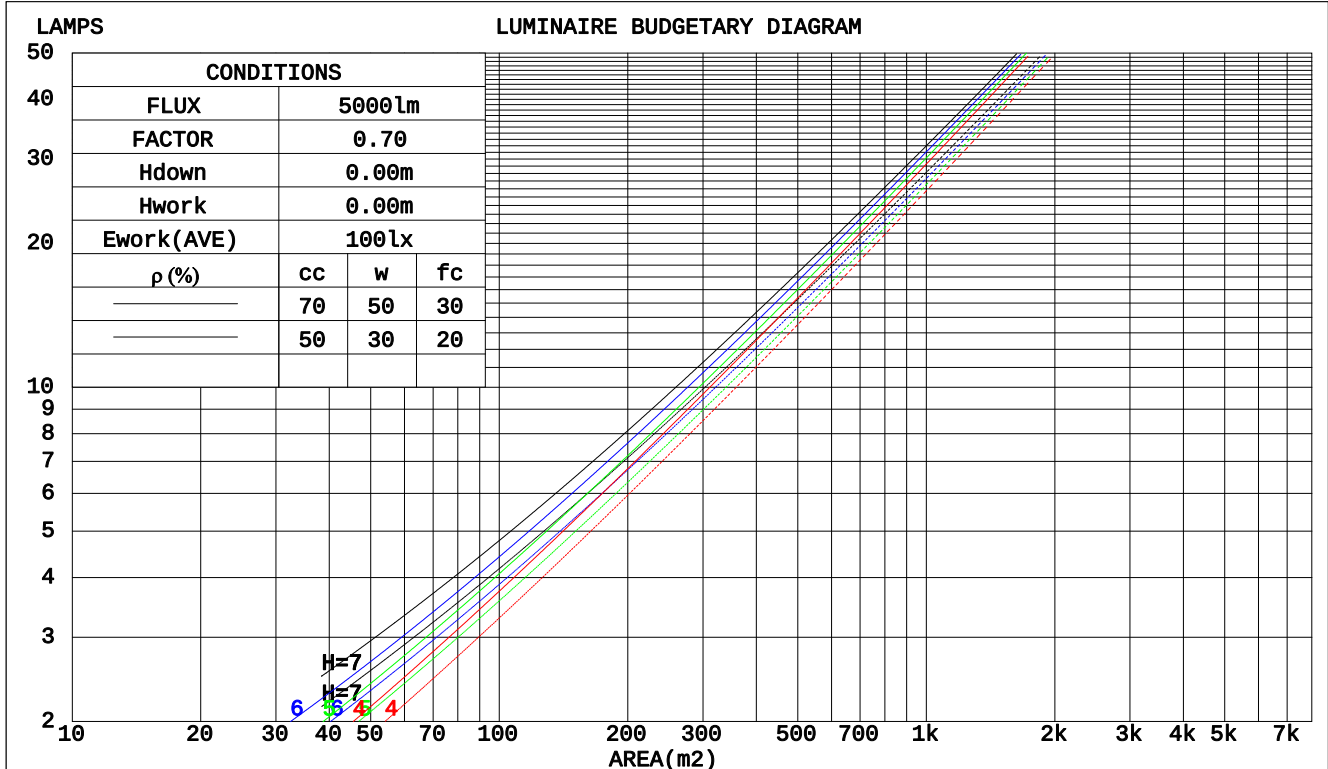
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

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-VF65SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	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	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	.99	.98	.97	.95	.95	.93	.92	.90
2.0	1.01	.97	.93	.99	.95	.92	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.93	.88	.84	.92	.87	.83	.89	.85	.81	.86	.82	.80	.83	.80	.78	.76
4.0	.86	.80	.76	.85	.79	.75	.83	.78	.74	.80	.76	.73	.78	.75	.72	.70
5.0	.80	.74	.69	.79	.73	.69	.77	.72	.68	.75	.71	.67	.73	.69	.66	.65
6.0	.75	.68	.63	.74	.68	.63	.72	.66	.62	.70	.65	.62	.69	.64	.61	.60
7.0	.69	.63	.58	.69	.63	.58	.67	.62	.58	.66	.61	.57	.64	.60	.57	.55
8.0	.65	.58	.54	.64	.58	.54	.63	.57	.53	.62	.57	.53	.60	.56	.53	.51
9.0	.61	.54	.50	.60	.54	.50	.59	.53	.50	.58	.53	.49	.57	.52	.49	.48
10.0	.57	.51	.47	.56	.51	.46	.55	.50	.46	.54	.50	.46	.54	.49	.46	.44



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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-VF65SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	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	.192	.109	.035	.185	.105	.033	.171	.098	.031	.158	.091	.029	.146	.085	.027		
2.0	.185	.102	.031	.179	.098	.030	.167	.093	.029	.156	.087	.027	.145	.082	.026		
3.0	.177	.094	.028	.171	.092	.028	.161	.087	.027	.151	.083	.025	.142	.079	.024		
4.0	.169	.088	.026	.164	.086	.025	.155	.082	.025	.146	.079	.024	.138	.075	.023		
5.0	.161	.082	.024	.157	.080	.023	.149	.077	.023	.141	.074	.022	.134	.072	.022		
6.0	.154	.077	.022	.150	.076	.022	.143	.073	.021	.136	.071	.021	.130	.068	.020		
7.0	.147	.072	.021	.143	.071	.020	.137	.069	.020	.131	.067	.020	.125	.065	.019		
8.0	.140	.068	.019	.137	.068	.019	.131	.066	.019	.126	.064	.018	.121	.062	.018		
9.0	.134	.065	.018	.131	.064	.018	.126	.062	.018	.121	.061	.017	.116	.059	.017		
10.0	.128	.062	.017	.126	.061	.017	.121	.059	.017	.117	.058	.016	.112	.057	.016		

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	.191	.176	.162	.163	.151	.140	.112	.104	.097	.064	.060	.056	.021	.019	.018		
2.0	.177	.151	.130	.151	.130	.112	.104	.090	.078	.060	.052	.046	.019	.017	.015		
3.0	.165	.133	.106	.142	.114	.092	.097	.079	.065	.056	.046	.038	.018	.015	.012		
4.0	.156	.118	.089	.134	.102	.077	.092	.071	.055	.053	.042	.032	.017	.014	.011		
5.0	.148	.107	.076	.127	.092	.067	.087	.065	.047	.051	.038	.028	.016	.012	.009		
6.0	.141	.098	.067	.121	.085	.058	.084	.059	.041	.048	.035	.024	.016	.011	.008		
7.0	.135	.090	.059	.116	.078	.052	.080	.055	.037	.047	.032	.022	.015	.011	.007		
8.0	.129	.084	.054	.111	.073	.047	.077	.051	.033	.045	.030	.020	.014	.010	.007		
9.0	.124	.079	.049	.107	.069	.043	.074	.048	.030	.043	.029	.018	.014	.009	.006		
10.0	.120	.075	.045	.103	.065	.040	.072	.046	.028	.042	.027	.017	.014	.009	.006		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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-vF65SF01-15W						TYPE:indoor lights			WEIGHT:1		
SPEC.:3000K-CRI90-24D						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	5.9	6.9	6.1	7.1	7.3	8.9	10.0	9.2	10.2	10.4	
3H	7.0	8.0	7.3	8.2	8.5	9.3	10.2	9.6	10.5	10.7	
4H	7.5	8.4	7.9	8.7	9.0	9.4	10.3	9.8	10.6	10.9	
6H	7.9	8.7	8.3	9.0	9.3	9.6	10.4	9.9	10.7	11.0	
8H	8.1	8.8	8.4	9.1	9.5	9.6	10.4	10.0	10.7	11.0	
12H	8.1	8.9	8.5	9.2	9.5	9.6	10.4	10.0	10.7	11.0	
4H 2H	6.3	7.2	6.7	7.5	7.8	9.0	9.9	9.3	10.1	10.4	
3H	7.7	8.5	8.1	8.8	9.1	9.5	10.2	9.8	10.6	10.9	
4H	8.4	9.0	8.7	9.4	9.7	9.8	10.4	10.1	10.8	11.1	
6H	8.9	9.5	9.3	9.8	10.2	10.0	10.6	10.4	11.0	11.4	
8H	9.1	9.6	9.5	10.0	10.4	10.1	10.6	10.5	11.0	11.5	
12H	9.2	9.7	9.6	10.1	10.6	10.2	10.7	10.6	11.1	11.5	
8H 4H	8.6	9.1	9.0	9.5	9.9	9.8	10.4	10.3	10.8	11.2	
6H	9.2	9.7	9.7	10.1	10.6	10.2	10.6	10.7	11.1	11.6	
8H	9.5	9.9	10.0	10.3	10.8	10.4	10.7	10.8	11.2	11.7	
12H	9.7	10.0	10.2	10.5	11.1	10.5	10.8	11.0	11.3	11.8	
12H 4H	8.6	9.1	9.0	9.5	9.9	9.8	10.3	10.3	10.7	11.2	
6H	9.2	9.6	9.7	10.1	10.6	10.2	10.6	10.7	11.1	11.6	
8H	9.6	9.9	10.1	10.4	10.9	10.4	10.7	10.9	11.2	11.7	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.4					+ 1.6 / - 1.2					
1.5H	+ 0.3 / - 0.4					+ 2.3 / - 1.6					
2.0H	+ 0.1 / - 0.3					+ 3.4 / - 1.5					

CIE Pub.117, 1294 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.9$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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-VF65SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

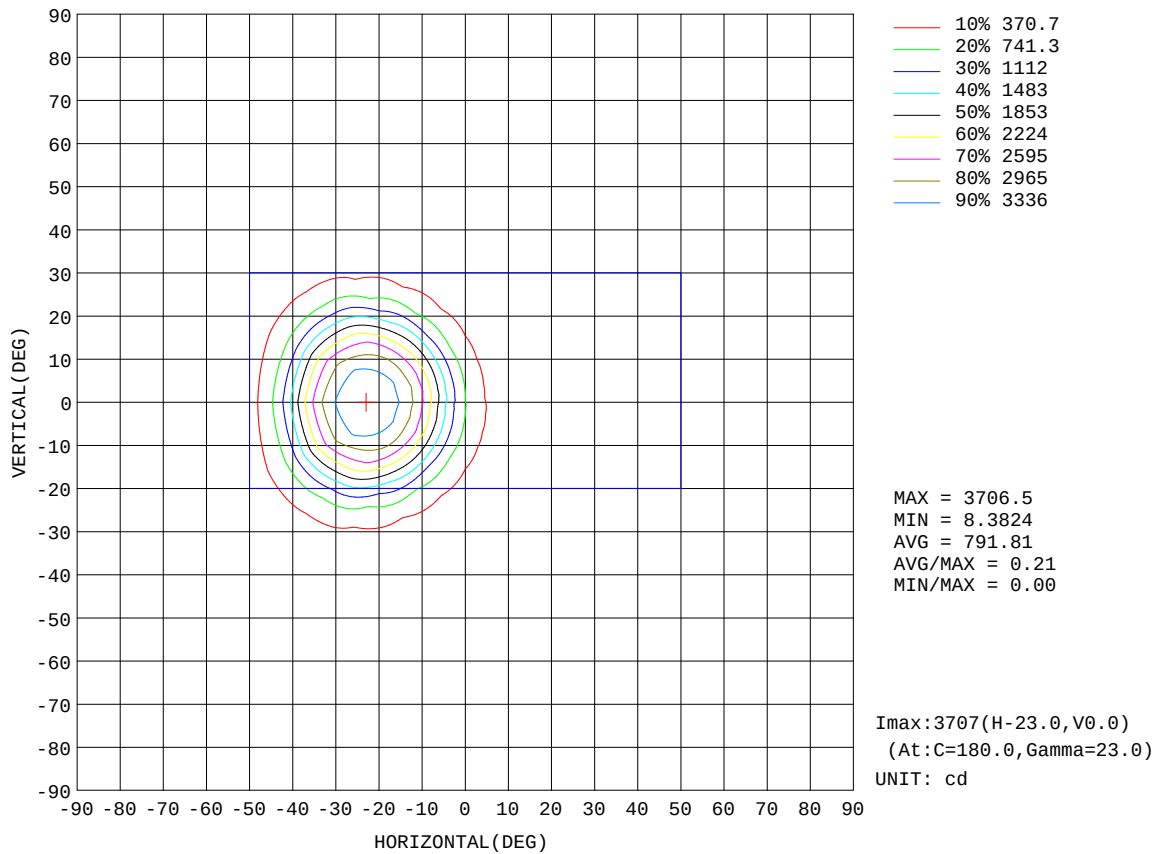
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	82	75	71	82	75	71	81	75	71	67
0.80	91	84	80	90	83	80	88	83	79	75
1.00	96	90	85	95	89	85	93	89	84	80
1.25	100	95	91	99	94	90	97	92	89	84
1.50	103	98	94	102	97	94	99	95	92	87
2.00	107	102	98	105	101	98	102	98	96	90
2.50	108	104	101	107	103	100	103	100	98	91
3.00	110	106	103	108	105	102	104	102	100	92
4.00	112	109	107	110	107	105	106	104	102	94
5.00	114	111	109	111	109	107	107	105	104	95
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:2021-08-11

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-VF65SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

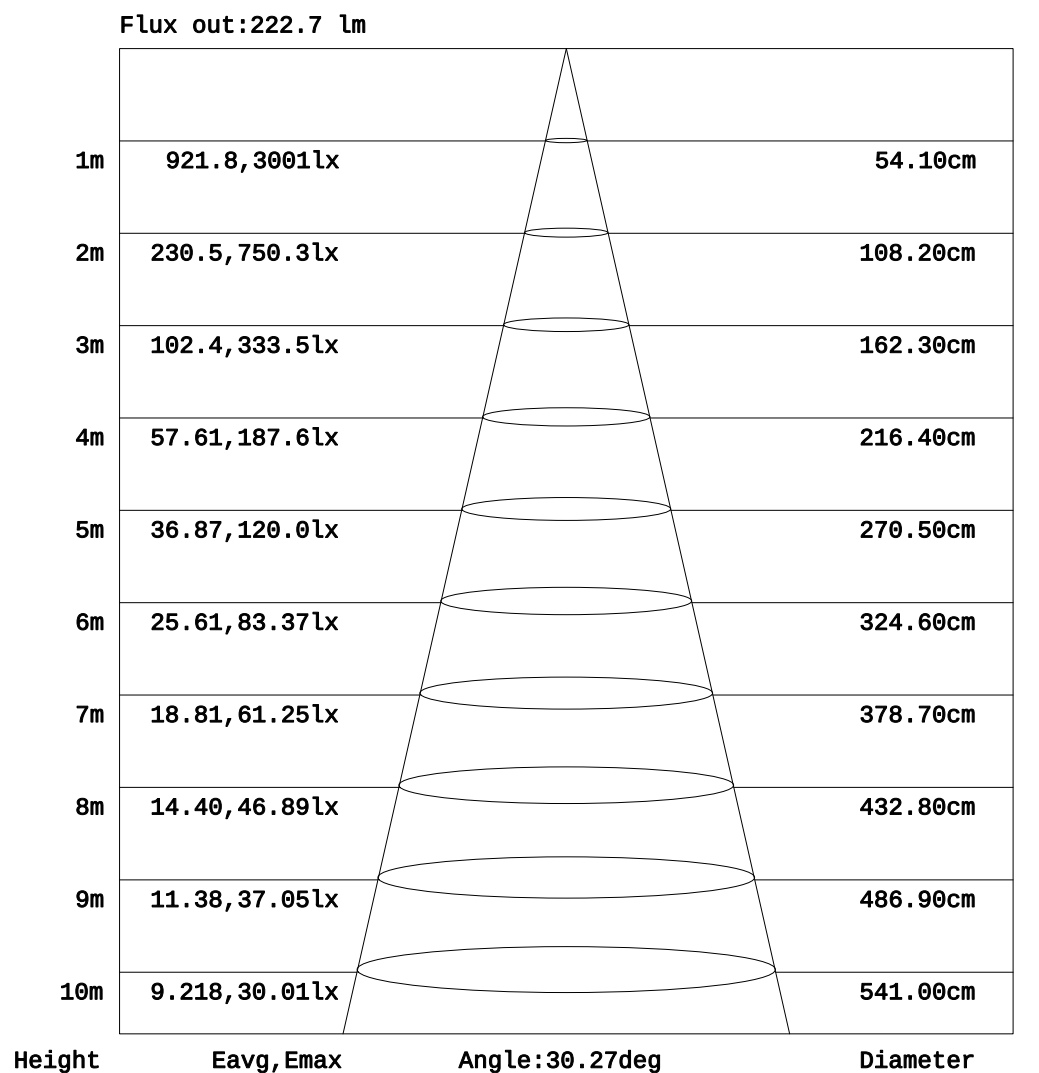


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-11

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-VF65SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



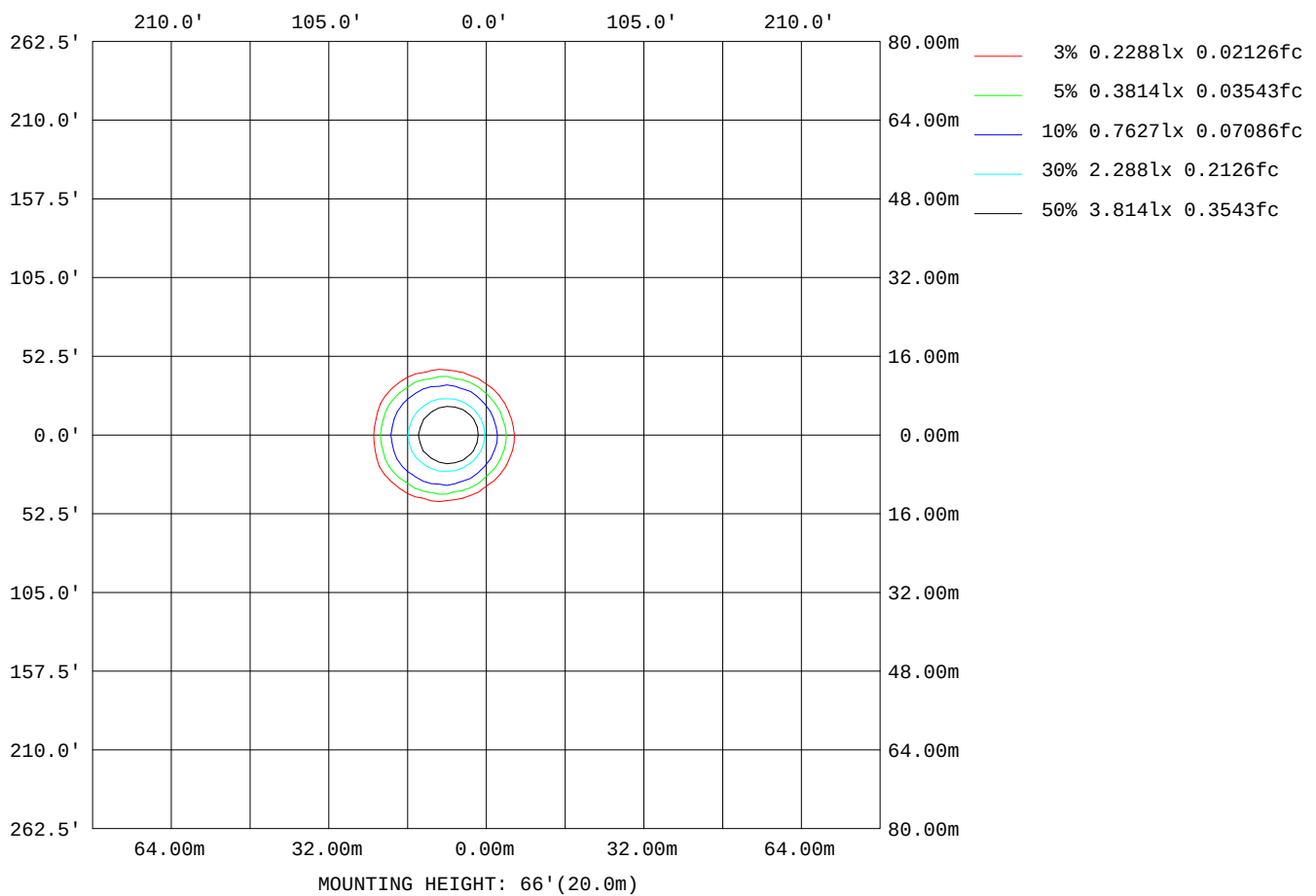
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

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-VF65SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-11

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-VF65SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

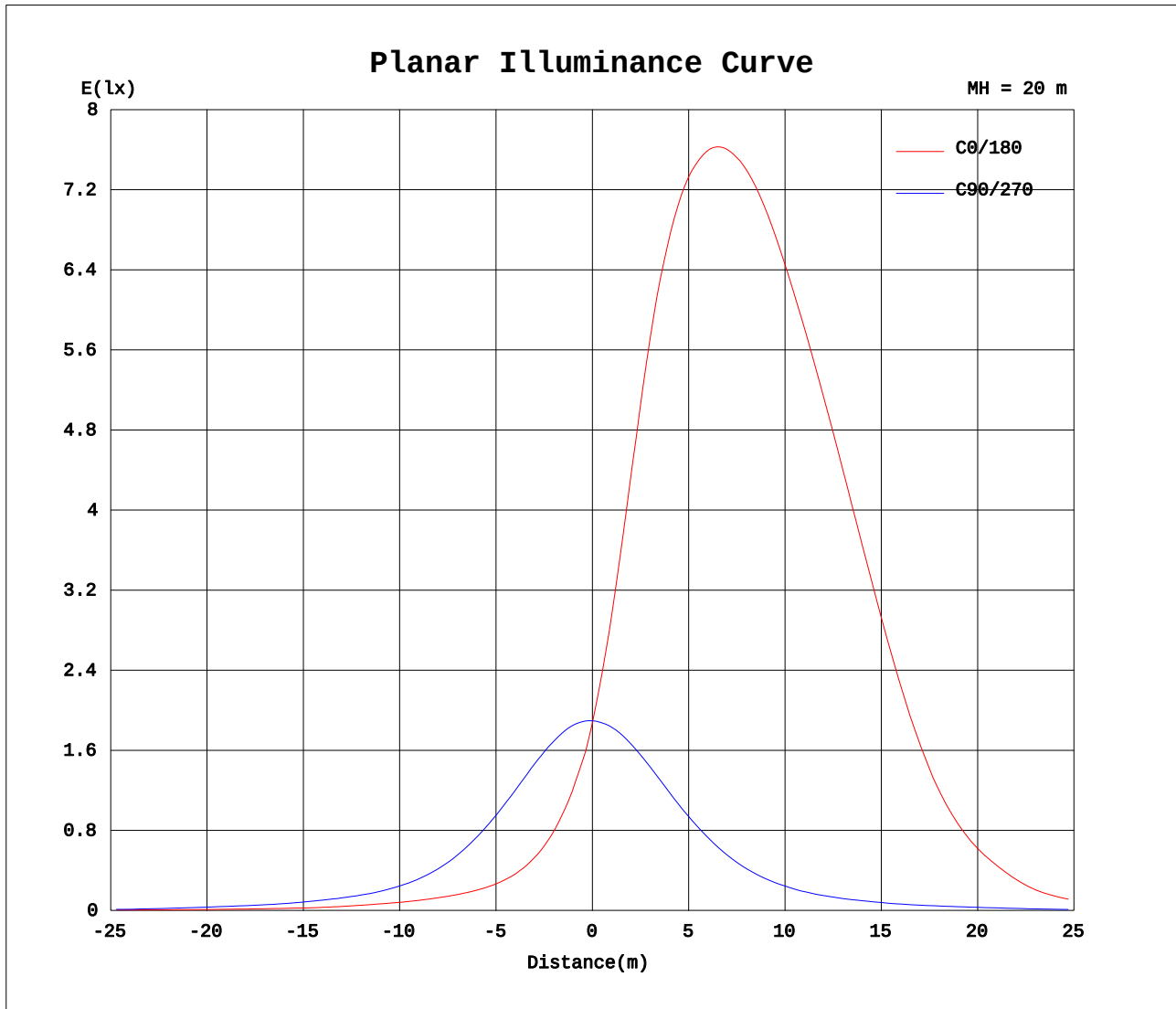
AvgL	cd/m2
L_0~180(65)av	5200
L_0~180(75)av	2428
L_0~180(85)av	2117
L_90~270(65)av	2754
L_90~270(75)av	2361
L_90~270(85)av	2209
L_45(65)av	4337
L_45(75)av	2440
L_45(85)av	2304

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

γ Range: 0 - 180DEG
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 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: 2021-08-11

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-VF65SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	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	753	753	753	753	753	753	753	753	753	753	753	753	753	753	753	753	753	753	753
5	359	364	388	427	488	579	699	866	1057	1269	1451	1585	1613	1565	1442	1253	1051	848	689
10	182	187	205	239	297	397	551	827	1228	1766	2250	2610	2652	2506	2226	1729	1229	805	541
15	108	109	120	142	178	251	383	657	1178	2033	2778	3294	3318	3103	2723	1966	1193	641	379
20	72.9	73.4	80.4	91.5	114	158	245	456	928	1956	2951	3613	3659	3367	2873	1879	953	446	246
25	51.4	52.1	57.2	64.7	79.1	104	156	292	620	1549	2770	3598	3686	3341	2697	1486	632	281	155
30	37.0	38.0	42.2	48.1	58.1	74.5	104	181	379	997	2201	3242	3371	2981	2157	940	373	170	102
35	23.6	24.7	30.5	36.9	44.8	56.4	75.9	116	222	550	1350	2454	2669	2223	1336	501	213	106	71.2
40	17.7	17.9	20.2	28.0	35.2	42.9	53.8	72.8	128	300	663	1363	1592	1224	647	266	120	65.4	50.0
45	13.0	13.2	15.3	19.0	27.2	32.5	39.2	52.2	72.9	166	328	604	704	546	313	146	65.4	47.1	36.7
50	10.4	10.2	11.2	13.7	19.7	21.1	21.6	29.0	46.7	86.1	170	243	232	203	165	73.6	43.9	26.7	20.6
55	8.76	8.49	8.96	9.74	11.5	12.9	13.2	15.6	20.2	49.4	75.3	87.9	80.5	75.7	69.2	44.0	20.7	14.7	13.0
60	7.55	7.41	7.62	7.38	7.68	8.38	8.42	9.63	12.5	20.5	41.6	39.3	34.2	32.6	38.1	20.3	12.7	9.22	8.33
65	6.09	6.00	6.24	5.87	5.59	5.59	5.34	5.70	6.95	11.3	14.5	15.7	14.2	13.5	13.7	10.7	7.08	5.52	5.42
70	4.61	4.56	4.71	4.43	4.31	4.19	3.91	3.96	4.17	5.43	6.96	6.68	5.58	5.67	6.73	5.09	4.28	3.94	4.02
75	3.22	3.22	3.28	3.10	3.03	2.97	2.78	2.86	2.87	2.79	2.94	2.89	2.59	2.60	2.91	2.65	2.94	2.83	2.87
80	2.01	2.03	2.03	1.95	1.91	1.87	1.74	1.81	1.79	1.81	1.83	1.96	1.82	1.78	1.83	1.70	1.83	1.77	1.78
85	0.86	1.04	1.02	1.00	0.97	0.96	0.89	0.93	0.89	0.92	0.95	1.04	0.85	0.64	0.93	0.83	0.88	0.87	0.89
90	0.41	0.42	0.40	0.37	0.34	0.31	0.30	0.28	0.27	0.26	0.25	0.25	0.21	0.20	0.21	0.22	0.22	0.24	0.26
95	0.72	0.66	0.57	0.48	0.39	0.36	0.32	0.32	0.29	0.30	0.26	0.27	0.23	0.20	0.24	0.23	0.26	0.26	0.30
100	1.45	1.25	0.99	0.69	0.52	0.43	0.38	0.37	0.34	0.34	0.30	0.31	0.26	0.24	0.28	0.27	0.31	0.31	0.36
105	2.84	2.48	1.90	1.16	0.76	0.56	0.45	0.44	0.39	0.40	0.35	0.36	0.31	0.29	0.33	0.33	0.37	0.38	0.44
110	5.04	4.43	3.49	2.13	1.25	0.77	0.57	0.52	0.46	0.46	0.42	0.42	0.37	0.34	0.39	0.39	0.44	0.47	0.57
115	7.80	7.02	5.78	3.75	2.22	1.20	0.78	0.63	0.54	0.53	0.48	0.49	0.44	0.42	0.47	0.47	0.52	0.58	0.77
120	10.9	9.97	8.52	5.96	3.79	2.01	1.17	0.82	0.66	0.62	0.56	0.57	0.54	0.51	0.55	0.56	0.64	0.78	1.13
125	14.0	13.0	11.5	8.59	5.92	3.40	1.89	1.15	0.84	0.75	0.67	0.66	0.65	0.61	0.66	0.69	0.83	1.11	1.81
130	16.6	15.6	14.3	11.3	8.40	5.31	3.12	1.77	1.18	0.95	0.81	0.80	0.78	0.75	0.82	0.90	1.16	1.74	3.01
135	18.2	17.3	16.5	13.9	11.0	7.61	4.90	2.92	1.83	1.34	1.09	1.03	1.01	0.99	1.10	1.29	1.77	2.85	4.77
140	18.5	17.8	17.7	15.9	13.5	10.1	7.10	4.62	3.01	2.08	1.63	1.46	1.42	1.44	1.63	2.03	2.89	4.53	6.96
145	17.5	17.1	17.8	17.1	15.5	12.5	9.52	6.79	4.76	3.45	2.67	2.31	2.22	2.30	2.65	3.35	4.63	6.66	9.37
150	15.6	15.6	17.1	17.3	16.8	14.6	11.9	9.24	7.03	5.47	4.37	3.86	3.70	3.81	4.37	5.28	6.86	9.05	11.8
155	13.4	13.9	15.9	16.9	17.3	16.1	14.1	11.8	9.59	8.00	6.74	6.15	5.85	5.96	6.68	7.69	9.38	11.5	14.0
160	11.8	12.7	14.7	16.3	17.3	16.9	15.8	14.1	12.2	10.8	9.52	8.99	8.57	8.63	9.43	10.4	12.0	13.8	15.7
165	12.4	13.0	14.6	15.8	17.1	17.2	16.8	15.9	14.5	13.5	12.4	12.1	11.6	11.6	12.3	13.0	14.3	15.6	16.8
170	14.2	14.4	15.5	15.9	16.8	17.1	17.2	17.0	16.3	15.9	15.1	15.1	14.5	14.3	14.9	15.2	16.0	16.7	17.3
175	16.3	16.1	16.7	16.6	17.1	17.2	17.3	17.5	17.3	17.5	17.0	17.4	16.8	16.4	16.8	16.7	17.1	17.2	17.4
180	17.5	17.1	17.4	17.1	17.4	17.3	17.5	17.6	17.6	18.0	17.7	18.2	17.5	17.1	17.4	17.1	17.4	17.3	17.5

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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-VF65SF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	753	753	753	753	753													
5	567	482	424	386	366													
10	383	291	237	204	189													
15	241	174	139	120	111													
20	153	111	91.1	79.6	75.0													
25	102	77.2	64.8	56.7	53.2													
30	71.8	56.7	48.4	42.0	39.0													
35	53.3	43.5	37.2	30.8	25.3													
40	40.4	34.1	28.4	20.3	18.5													
45	30.6	26.3	19.5	15.5	13.8													
50	19.5	19.2	14.0	11.5	10.7													
55	12.4	11.5	9.97	9.23	8.94													
60	8.19	7.71	7.61	7.73	7.77													
65	5.63	5.71	6.02	6.30	6.28													
70	4.22	4.41	4.53	4.73	4.76													
75	2.98	3.11	3.14	3.30	3.32													
80	1.84	1.94	1.95	2.04	2.06													
85	0.90	0.96	0.96	1.02	0.87													
90	0.27	0.31	0.36	0.42	0.44													
95	0.31	0.38	0.47	0.60	0.75													
100	0.39	0.51	0.72	1.02	1.45													
105	0.53	0.76	1.24	1.94	2.82													
110	0.77	1.23	2.29	3.58	4.98													
115	1.21	2.15	4.01	5.88	7.75													
120	2.03	3.72	6.35	8.70	10.9													
125	3.41	5.84	9.09	11.7	14.1													
130	5.37	8.35	12.0	14.6	16.9													
135	7.72	11.0	14.6	16.9	18.7													
140	10.3	13.5	16.8	18.2	19.2													
145	12.7	15.6	18.1	18.3	18.5													
150	14.8	17.1	18.4	17.6	16.8													
155	16.4	17.7	18.0	16.4	15.1													
160	17.3	17.7	17.3	15.3	13.8													
165	17.6	17.4	16.8	15.2	14.3													
170	17.6	17.2	16.9	16.0	15.7													
175	17.6	17.4	17.6	17.1	17.3													
180	17.6	17.6	18.0	17.7	18.2													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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: