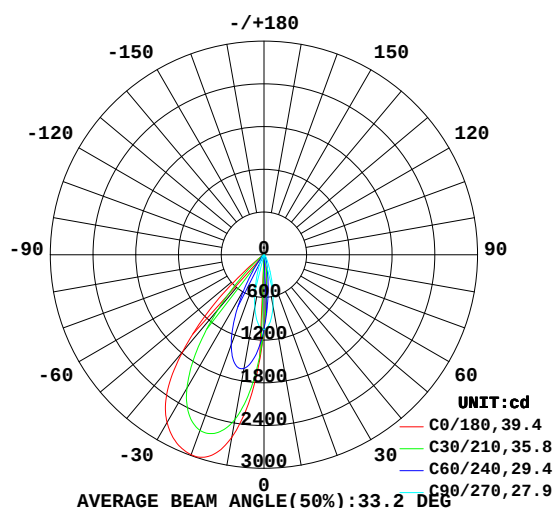


LUMINAIRE PHOTOMETRIC TEST REPORT

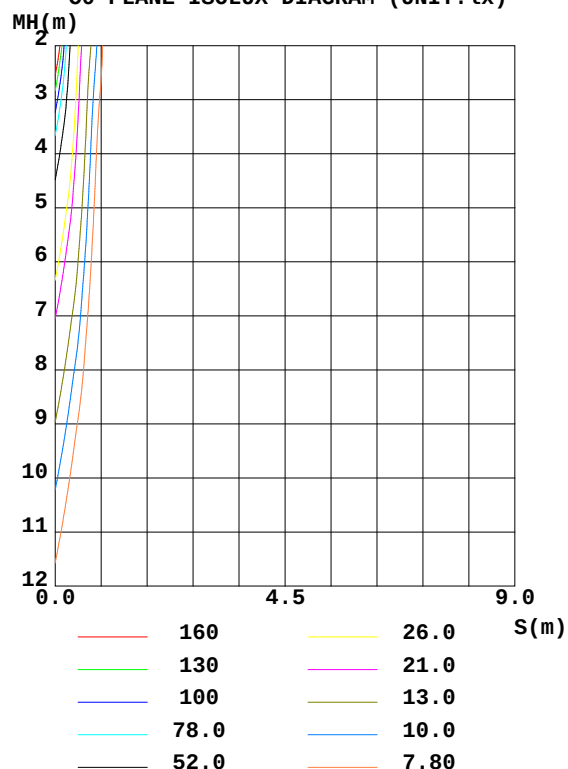
NAME: VM060-VF65SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 98.98 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3048	S/MH(C0/180)	1.49	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.47	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1332.4	η UP, DN(C0-180)	1.3, 41.5	
NOMINAL FLUX(lm)	1332.36	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1, 56.0	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.60	

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:

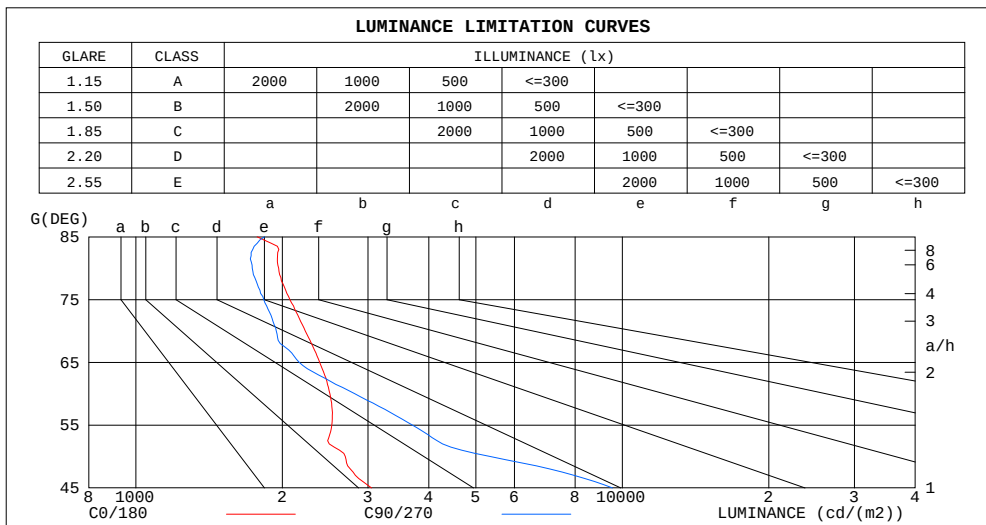
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	163.3	237.3	734.1	2060	2601	2008	747.4	226.8	0- 10	103.3	103.3	7.76, 7.76
20	58.74	76.00	254.6	2168	2989	2062	263.2	73.37	10- 20	298.6	401.9	30.2, 30.2
30	28.20	38.79	87.11	1386	2723	1338	84.63	38.86	20- 30	392.6	794.5	59.6, 59.6
40	13.16	21.26	43.68	359.1	1778	361.8	41.37	21.57	30- 40	328.5	1123	84.3, 84.3
50	8.043	10.43	15.75	69.62	317.6	61.56	15.19	10.49	40- 50	141.6	1265	94.9, 94.9
60	5.817	5.730	6.463	15.25	33.55	16.13	6.319	5.866	50- 60	25.03	1290	96.8, 96.8
70	3.541	3.441	3.049	4.172	4.134	3.926	3.107	3.490	60- 70	6.965	1297	97.3, 97.3
80	1.586	1.526	1.382	1.440	1.445	1.346	1.411	1.528	70- 80	2.533	1299	97.5, 97.5
90	0.3992	0.3444	0.2979	0.2515	0.1930	0.2089	0.2454	0.3632	80- 90	0.8668	1300	97.6, 97.6
100	1.761	0.7280	0.3483	0.3195	0.2508	0.2495	0.3288	0.7242	90-100	0.4346	1300	97.6, 97.6
110	5.477	2.589	0.5234	0.4123	0.3395	0.3421	0.5086	2.671	100-110	1.084	1302	97.7, 97.7
120	11.02	6.454	1.267	0.5416	0.4771	0.4818	1.154	6.774	110-120	2.459	1304	97.9, 97.9
130	16.70	11.50	3.644	0.8502	0.6859	0.8042	3.442	12.08	120-130	4.305	1308	98.2, 98.2
140	19.02	15.93	7.657	2.318	1.388	2.229	7.464	16.76	130-140	5.904	1314	98.6, 98.6
150	16.70	17.40	12.21	6.040	4.103	5.781	12.03	18.45	140-150	6.490	1321	99.1, 99.1
160	13.68	16.72	15.80	11.19	9.016	10.69	15.68	17.73	150-160	5.861	1327	99.6, 99.6
170	15.12	16.32	17.20	15.89	14.60	15.18	17.22	17.32	160-170	4.227	1331	99.9, 99.9
180	17.43	17.10	17.52	18.00	17.44	17.09	17.52	18.00	170-180	1.603	1332	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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1776	1840
80	1966	1735
75	2073	1833
70	2229	1944
65	2386	2166
60	2505	2818
55	2528	3701
50	2694	5341
45	3051	9542

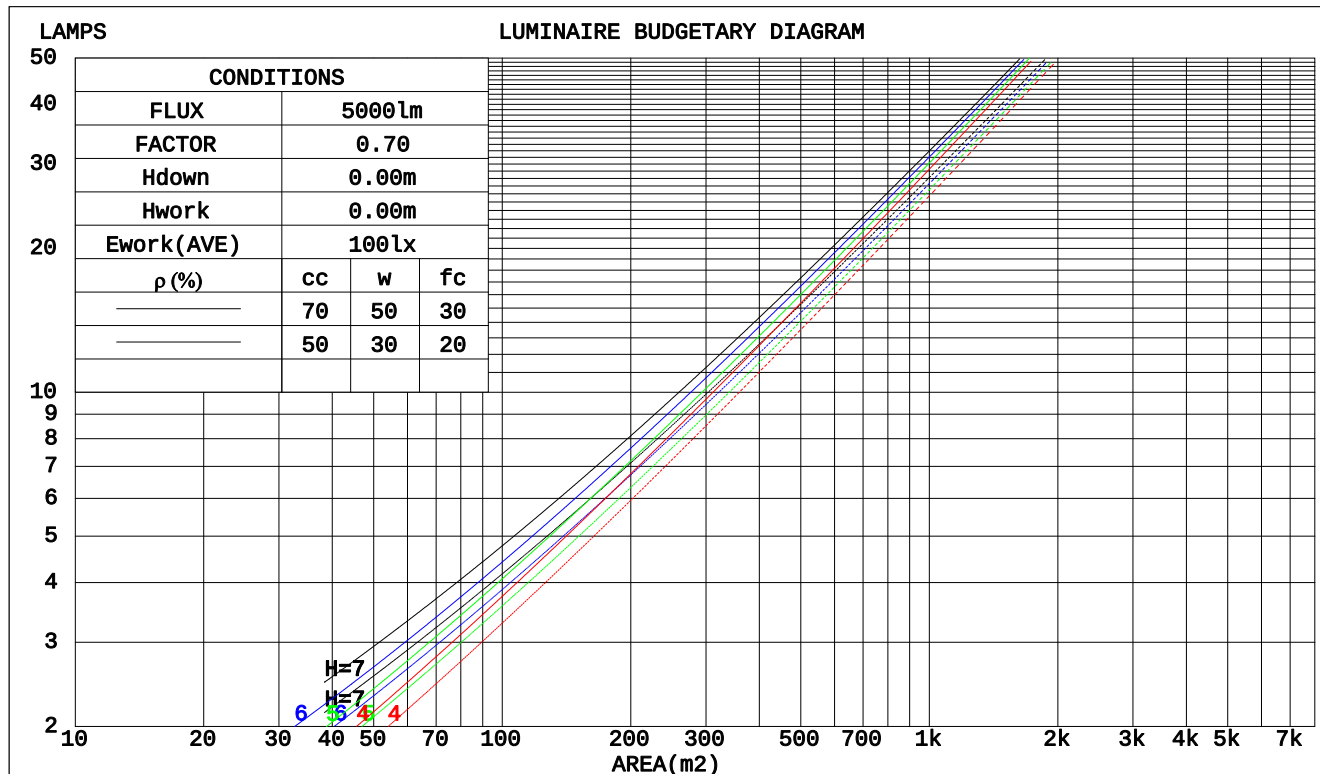
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	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	1.09	1.07	1.04	1.07	1.05	1.03	1.03	1.01	.99	.98	.97	.96	.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	.81	.78	.76
4.0	.86	.80	.76	.85	.80	.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	.63	.70	.65	.62	.69	.64	.61	.60
7.0	.70	.63	.58	.69	.63	.58	.67	.62	.58	.66	.61	.57	.64	.60	.57	.55
8.0	.65	.59	.54	.64	.58	.54	.63	.57	.54	.62	.57	.53	.60	.56	.53	.51
9.0	.61	.55	.50	.60	.54	.50	.59	.54	.50	.58	.53	.49	.57	.52	.49	.48
10.0	.57	.51	.47	.57	.51	.47	.56	.50	.46	.55	.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
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-CRI90-38D	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 Coeffcients(WEC)										
0.0																	
1.0	.192	.109	.035	.184	.105	.033	.170	.098	.031	.157	.091	.029	.145	.084	.027		
2.0	.185	.101	.031	.178	.098	.030	.166	.092	.029	.155	.087	.027	.145	.082	.026		
3.0	.177	.094	.028	.171	.092	.028	.161	.087	.026	.151	.083	.025	.142	.079	.024		
4.0	.169	.088	.026	.164	.086	.025	.155	.082	.024	.146	.078	.024	.138	.075	.023		
5.0	.161	.082	.024	.156	.080	.023	.148	.077	.023	.141	.074	.022	.134	.072	.021		
6.0	.153	.077	.022	.150	.076	.022	.142	.073	.021	.136	.071	.021	.129	.068	.020		
7.0	.146	.072	.021	.143	.071	.020	.137	.069	.020	.131	.067	.019	.125	.065	.019		
8.0	.140	.068	.019	.137	.067	.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	.061	.017	.126	.061	.017	.121	.059	.017	.116	.058	.016	.112	.056	.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	.078	.092	.071	.055	.053	.042	.032	.017	.014	.011		
5.0	.148	.107	.077	.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	.025	.016	.011	.008		
7.0	.135	.091	.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-CRI90-38D						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		3.8	4.8	4.1	5.0	5.2	7.0	8.0	7.3	8.2	8.4
3H		5.0	5.9	5.3	6.2	6.4	7.3	8.3	7.6	8.5	8.8
4H		5.5	6.4	5.8	6.6	6.9	7.5	8.4	7.8	8.6	8.9
6H		5.9	6.7	6.2	7.0	7.3	7.6	8.4	8.0	8.7	9.0
8H		6.0	6.8	6.4	7.1	7.4	7.7	8.5	8.0	8.8	9.1
12H		6.1	6.9	6.5	7.2	7.5	7.7	8.5	8.1	8.8	9.1
4H	2H	4.3	5.2	4.6	5.4	5.7	7.0	7.9	7.3	8.2	8.4
	3H	5.7	6.5	6.1	6.8	7.1	7.5	8.3	7.9	8.6	8.9
	4H	6.3	7.0	6.7	7.4	7.7	7.8	8.5	8.2	8.8	9.2
	6H	6.9	7.4	7.3	7.8	8.2	8.1	8.7	8.5	9.0	9.4
	8H	7.1	7.6	7.5	8.0	8.4	8.2	8.7	8.6	9.1	9.5
	12H	7.2	7.7	7.7	8.1	8.6	8.2	8.7	8.7	9.2	9.6
8H	4H	6.5	7.1	7.0	7.5	7.9	7.9	8.4	8.3	8.8	9.3
	6H	7.2	7.7	7.7	8.1	8.6	8.3	8.7	8.7	9.1	9.6
	8H	7.5	7.9	8.0	8.4	8.9	8.4	8.8	8.9	9.3	9.8
	12H	7.8	8.1	8.3	8.6	9.1	8.6	8.9	9.1	9.4	9.9
12H	4H	6.5	7.0	7.0	7.5	7.9	7.9	8.4	8.3	8.8	9.2
	6H	7.2	7.6	7.7	8.1	8.6	8.3	8.7	8.8	9.1	9.6
	8H	7.6	7.9	8.1	8.4	8.9	8.5	8.8	9.0	9.3	9.8
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.4					+ 1.6 / - 1.2				
1.5H		+ 0.3 / - 0.4					+ 2.5 / - 1.6				
2.0H		+ 0.1 / - 0.3					+ 3.5 / - 1.4				

CIE Pub.117, 1332 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.0$)

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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

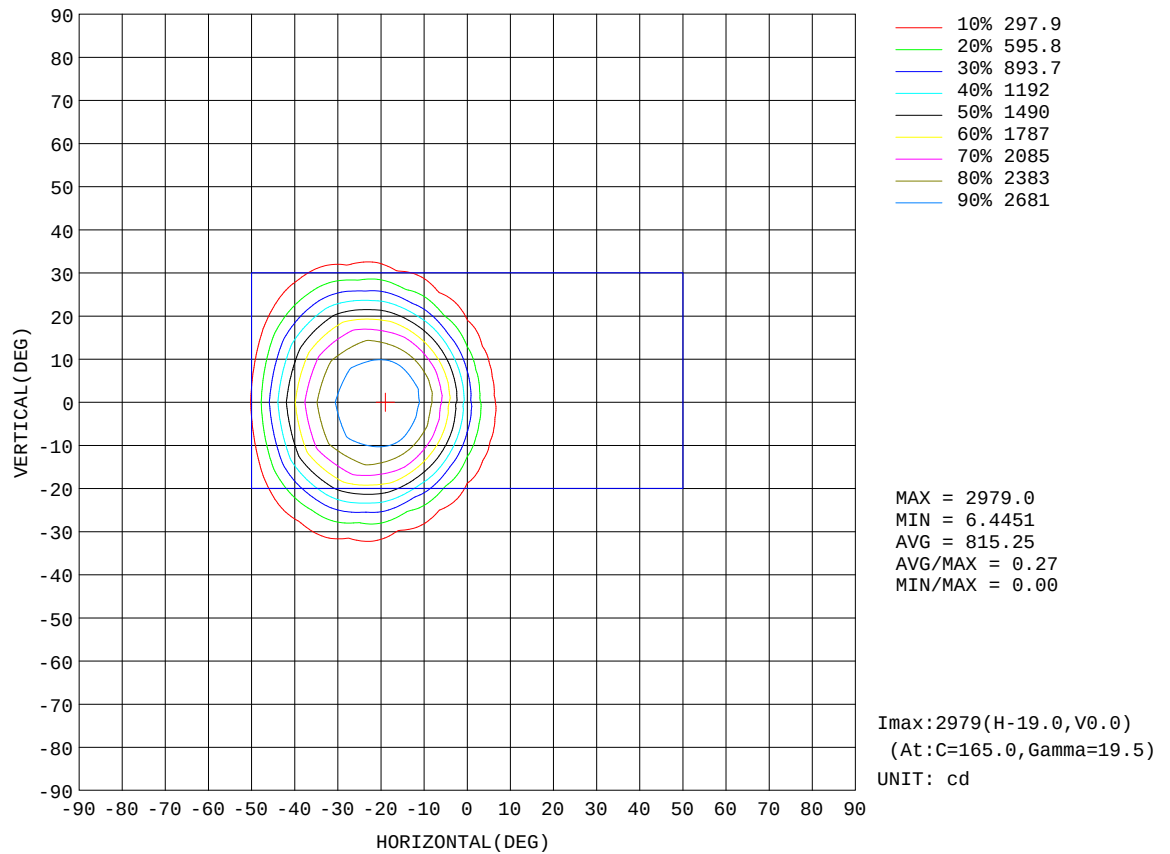
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	82	74	70	81	74	70	80	74	70	66
0.80	90	83	79	89	83	79	88	82	78	74
1.00	95	89	85	94	88	85	92	88	84	79
1.25	100	94	90	99	93	90	96	92	89	84
1.50	103	98	94	102	97	93	99	95	92	87
2.00	106	102	98	105	101	97	102	98	96	90
2.50	108	104	101	106	103	100	103	100	97	91
3.00	110	106	103	108	105	102	104	102	99	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										
SHRNM = 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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

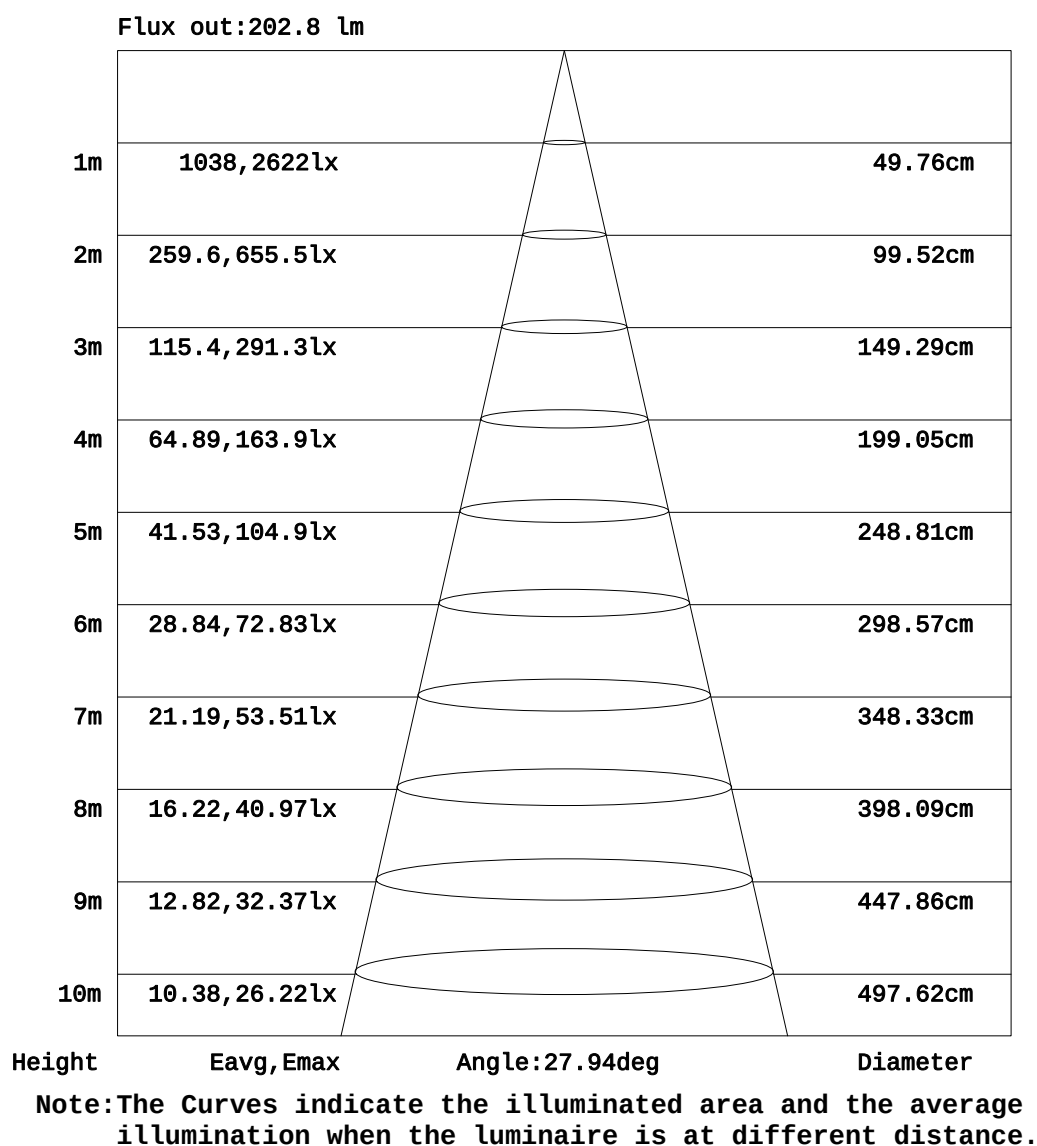


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-11

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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

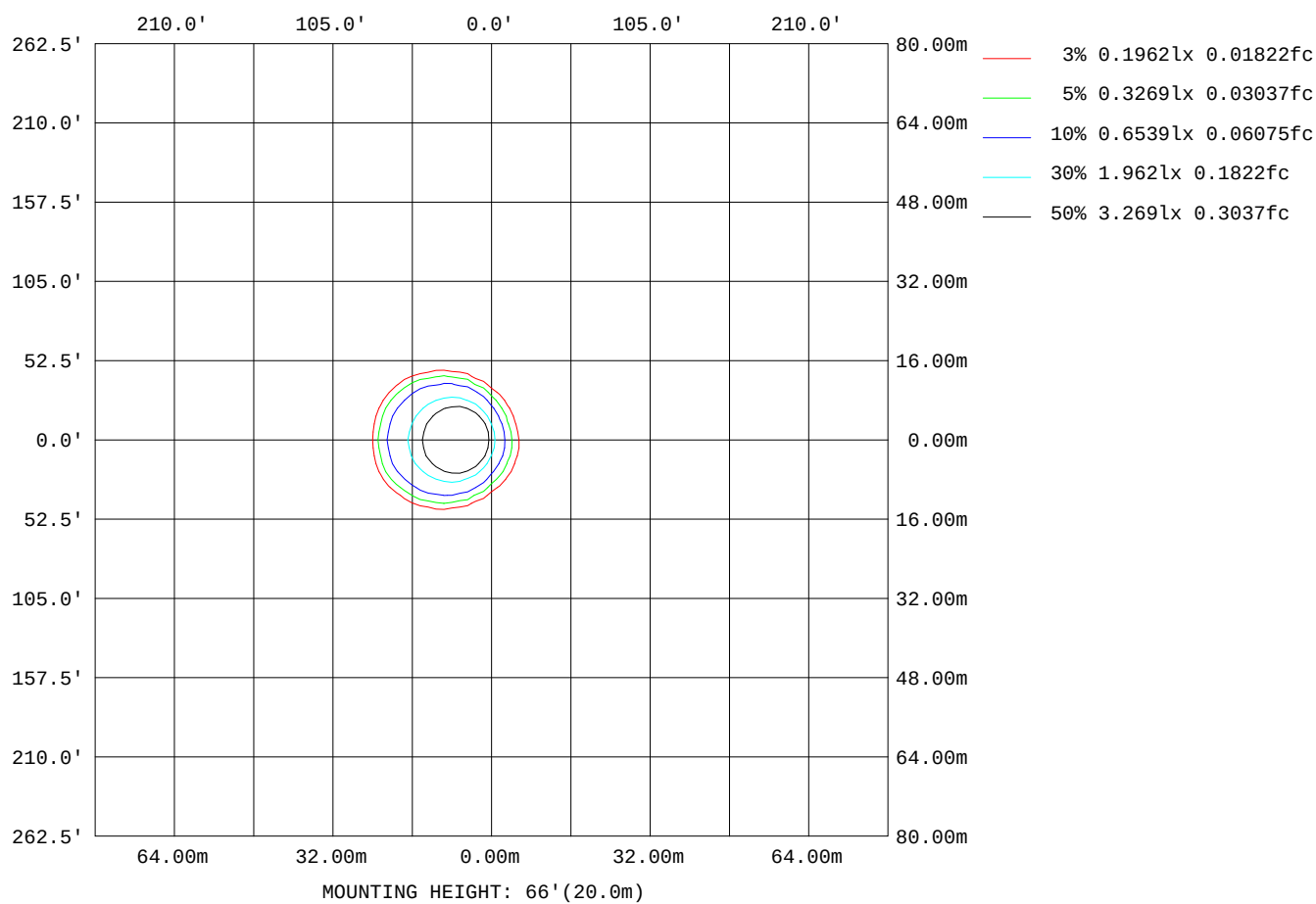


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

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:

ISOLUX DIAGRAM

NAME: VM060-VF65SF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	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
 γ 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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

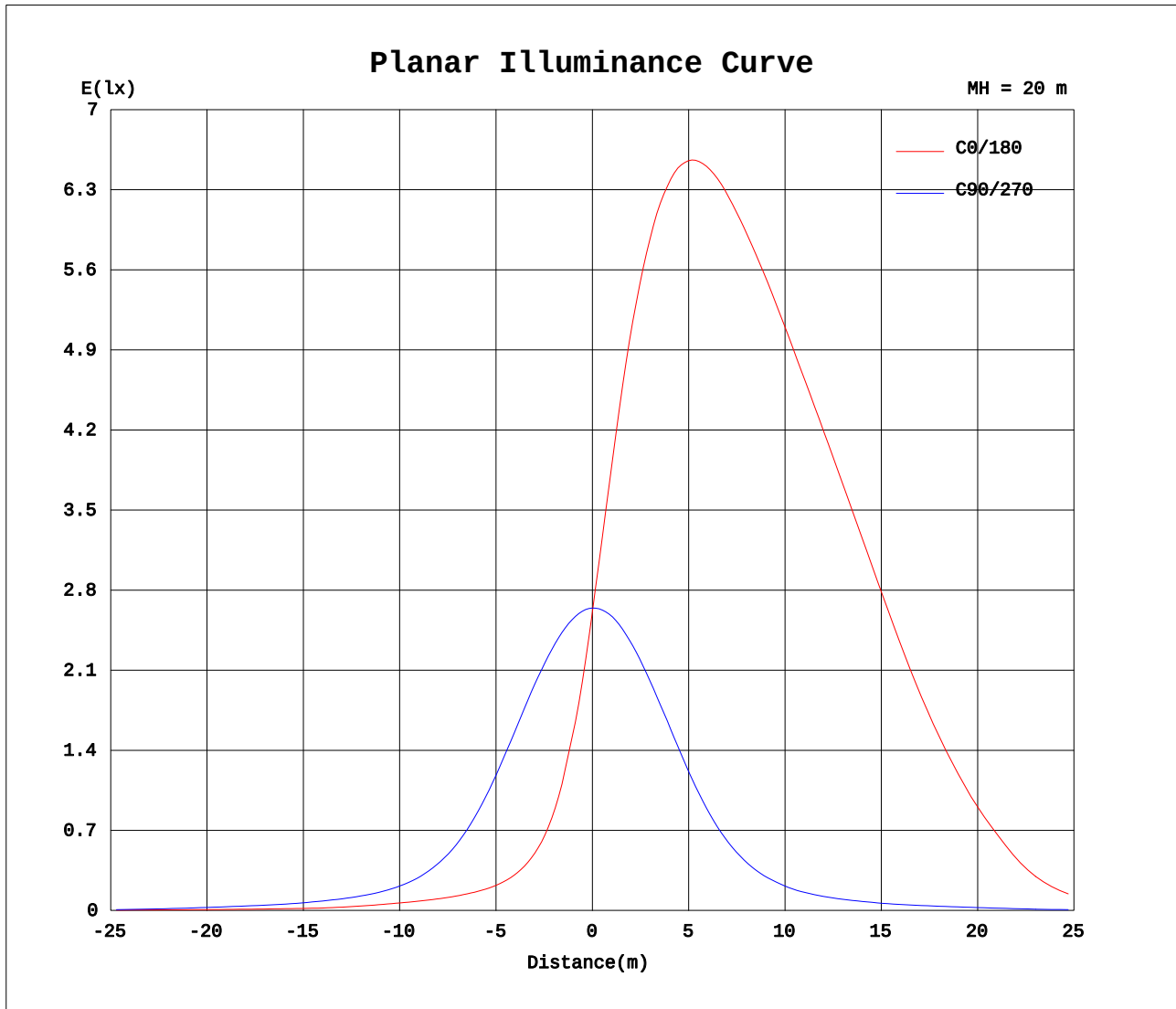
AvgL	cd/m2
L_0~180(65)av	4729
L_0~180(75)av	1899
L_0~180(85)av	1757
L_90~270(65)av	2138
L_90~270(75)av	1843
L_90~270(85)av	1810
L_45(65)av	3257
L_45(75)av	1905
L_45(85)av	1885

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
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: 2021-08-11

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-CRI90-38D	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	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049	1049
5	405	419	454	525	628	775	957	1185	1411	1641	1808	1940	1947	1887	1807	1626	1429	1190	968
10	163	171	192	237	317	477	734	1136	1591	2060	2364	2610	2601	2484	2347	2008	1622	1143	747
15	88.3	90.5	102	124	166	258	464	916	1551	2225	2646	2968	2923	2763	2591	2142	1584	927	478
20	58.7	59.4	66.3	76.0	97.4	143	255	605	1300	2168	2693	3047	2989	2818	2624	2062	1348	622	263
25	41.5	42.1	46.5	52.8	65.2	87.5	140	331	895	1883	2552	2970	2911	2726	2484	1786	968	344	143
30	28.2	29.6	34.1	38.8	46.8	60.5	87.1	170	494	1386	2220	2749	2723	2522	2166	1338	553	172	84.6
35	16.8	17.9	23.1	29.3	35.6	44.9	60.8	98.6	231	801	1664	2331	2379	2124	1648	797	255	90.9	57.9
40	13.2	13.2	14.6	21.3	27.4	33.9	43.7	59.1	110	359	971	1669	1778	1511	1003	362	105	52.7	41.4
45	10.02	10.2	11.6	13.9	21.0	25.4	30.9	41.9	59.6	152	407	885	1029	817	445	141	54.1	37.4	29.6
50	8.04	7.89	8.73	10.4	14.9	15.9	15.7	21.4	36.9	69.6	148	273	318	256	163	61.6	35.1	20.1	15.2
55	6.74	6.51	6.94	7.59	8.80	9.63	9.74	11.1	14.6	39.0	58.2	73.8	71.8	65.8	59.0	35.2	16.0	10.7	9.57
60	5.82	5.71	5.87	5.73	6.06	6.47	6.46	7.33	9.16	15.3	33.7	35.3	33.5	31.2	32.1	16.1	9.50	7.01	6.32
65	4.68	4.65	4.81	4.56	4.36	4.41	4.20	4.47	5.37	8.15	10.6	13.4	13.8	12.3	10.9	8.12	5.48	4.22	4.16
70	3.54	3.53	3.63	3.44	3.35	3.25	3.05	3.08	3.28	4.17	5.13	5.00	4.13	4.25	5.14	3.93	3.31	3.05	3.11
75	2.49	2.49	2.53	2.41	2.37	2.32	2.18	2.24	2.25	2.20	2.28	2.26	2.05	2.03	2.27	2.08	2.30	2.22	2.24
80	1.59	1.58	1.60	1.53	1.51	1.48	1.38	1.43	1.43	1.44	1.46	1.56	1.45	1.41	1.45	1.35	1.45	1.40	1.41
85	0.72	0.85	0.84	0.81	0.79	0.78	0.74	0.76	0.74	0.76	0.78	0.85	0.70	0.54	0.75	0.68	0.72	0.71	0.72
90	0.40	0.40	0.38	0.34	0.32	0.30	0.30	0.27	0.26	0.25	0.24	0.24	0.19	0.20	0.22	0.21	0.22	0.23	0.25
95	0.81	0.74	0.59	0.45	0.36	0.34	0.30	0.31	0.27	0.28	0.25	0.27	0.21	0.20	0.23	0.21	0.25	0.24	0.28
100	1.76	1.52	1.19	0.73	0.48	0.40	0.35	0.35	0.31	0.32	0.28	0.30	0.25	0.24	0.26	0.25	0.29	0.28	0.33
105	3.32	2.93	2.32	1.39	0.80	0.52	0.41	0.40	0.36	0.36	0.32	0.34	0.29	0.27	0.31	0.29	0.34	0.34	0.40
110	5.48	4.90	4.02	2.59	1.50	0.78	0.52	0.47	0.41	0.41	0.38	0.38	0.34	0.32	0.36	0.34	0.39	0.40	0.51
115	8.10	7.35	6.26	4.30	2.69	1.36	0.76	0.56	0.48	0.47	0.42	0.44	0.40	0.37	0.42	0.40	0.46	0.51	0.71
120	11.0	10.1	8.85	6.45	4.39	2.43	1.27	0.76	0.57	0.54	0.49	0.50	0.48	0.45	0.49	0.48	0.57	0.70	1.15
125	14.0	13.0	11.6	8.91	6.50	3.97	2.22	1.18	0.76	0.65	0.57	0.58	0.57	0.54	0.58	0.59	0.75	1.10	2.03
130	16.7	15.6	14.4	11.5	8.87	5.90	3.64	2.01	1.19	0.85	0.70	0.69	0.69	0.66	0.72	0.80	1.12	1.91	3.44
135	18.5	17.5	16.6	14.0	11.3	8.12	5.50	3.40	2.05	1.33	1.00	0.91	0.90	0.89	1.02	1.27	1.92	3.23	5.29
140	19.0	18.3	17.9	15.9	13.7	10.5	7.66	5.22	3.44	2.32	1.70	1.42	1.39	1.43	1.69	2.23	3.30	5.04	7.46
145	18.3	17.8	18.2	17.1	15.6	12.7	9.95	7.38	5.32	3.92	2.99	2.52	2.41	2.52	2.95	3.75	5.16	7.18	9.77
150	16.7	16.5	17.7	17.4	16.8	14.7	12.2	9.72	7.59	6.04	4.89	4.33	4.10	4.19	4.82	5.78	7.41	9.49	12.0
155	14.9	15.1	16.6	17.2	17.4	16.1	14.2	12.1	10.0	8.53	7.29	6.71	6.35	6.42	7.18	8.16	9.84	11.8	14.1
160	13.7	14.1	15.7	16.7	17.5	16.9	15.8	14.2	12.5	11.2	9.96	9.49	9.02	9.03	9.82	10.7	12.3	13.9	15.7
165	14.0	14.3	15.5	16.3	17.4	17.3	16.8	15.9	14.6	13.7	12.7	12.4	11.9	11.8	12.5	13.2	14.4	15.5	16.7
170	15.1	15.2	16.2	16.3	17.1	17.2	17.2	16.9	16.2	15.9	15.2	15.2	14.6	14.4	15.0	15.2	16.0	16.6	17.2
175	16.6	16.4	17.0	16.9	17.3	17.2	17.4	17.4	17.2	17.4	16.9	17.3	16.7	16.3	16.8	16.6	17.1	17.1	17.4
180	17.4	17.1	17.5	17.1	17.4	17.3	17.5	17.7	17.6	18.0	17.7	18.2	17.4	17.0	17.5	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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1049	1049	1049	1049	1049														
5	770	624	521	450	412														
10	465	310	227	186	167														
15	246	155	116	98.2	91.1														
20	134	90.9	73.4	64.3	60.7														
25	83.1	62.3	51.6	45.8	43.1														
30	58.2	45.3	38.9	33.7	30.1														
35	43.0	34.8	29.5	23.1	18.1														
40	32.8	26.9	21.6	14.5	13.7														
45	24.5	20.6	14.0	11.6	10.6														
50	14.7	14.8	10.5	8.83	8.25														
55	9.20	8.58	7.64	7.13	6.87														
60	6.22	5.91	5.87	5.95	5.99														
65	4.30	4.40	4.64	4.88	4.84														
70	3.26	3.40	3.49	3.67	3.65														
75	2.32	2.42	2.43	2.56	2.57														
80	1.46	1.53	1.53	1.60	1.62														
85	0.74	0.77	0.79	0.82	0.73														
90	0.26	0.29	0.36	0.38	0.43														
95	0.28	0.35	0.43	0.60	0.82														
100	0.35	0.47	0.72	1.16	1.74														
105	0.48	0.75	1.43	2.30	3.25														
110	0.74	1.37	2.67	4.01	5.39														
115	1.30	2.53	4.50	6.24	8.02														
120	2.35	4.21	6.77	8.89	11.0														
125	3.90	6.32	9.37	11.7	14.1														
130	5.89	8.71	12.1	14.5	16.9														
135	8.18	11.2	14.7	16.8	18.9														
140	10.6	13.6	16.8	18.2	19.6														
145	12.9	15.6	18.0	18.6	19.1														
150	14.8	17.0	18.5	18.1	17.8														
155	16.3	17.6	18.2	17.1	16.4														
160	17.2	17.8	17.7	16.2	15.4														
165	17.6	17.6	17.3	16.0	15.6														
170	17.6	17.4	17.3	16.6	16.5														
175	17.6	17.6	17.9	17.4	17.7														
180	17.7	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: