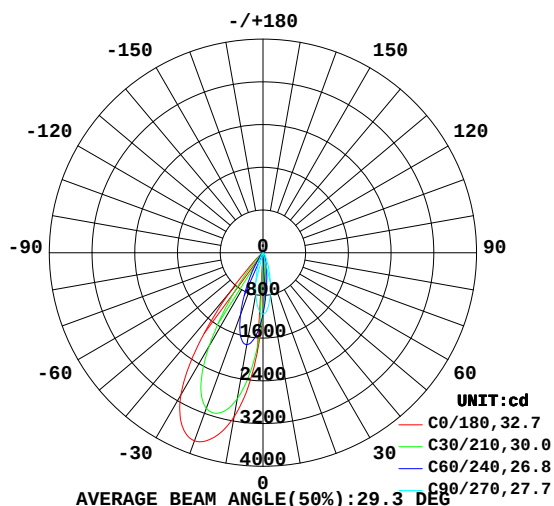


LUMINAIRE PHOTOMETRIC TEST REPORT

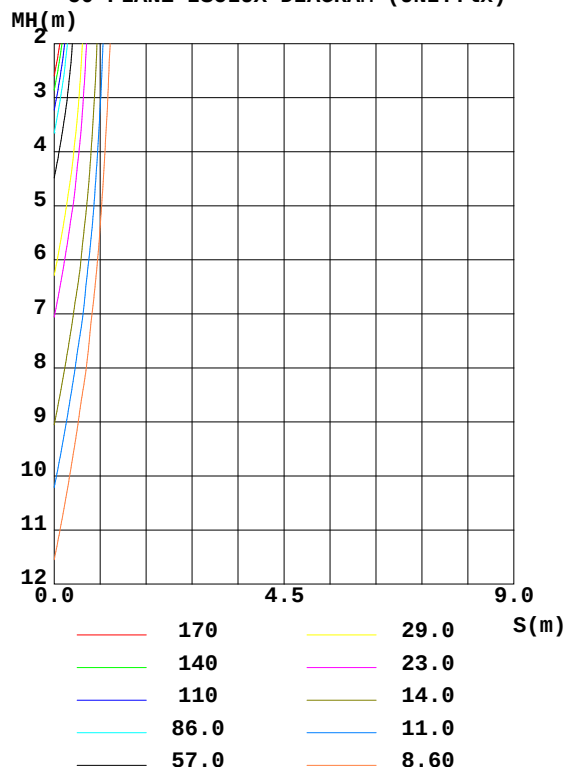
NAME: VM060-VF65RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.15 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3748	S/MH(C0/180)	1.26
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.46
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1281.4	η UP, DN(C0-180)	1.3, 41.7
NOMINAL FLUX(lm)	1281.35	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1, 55.8
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:

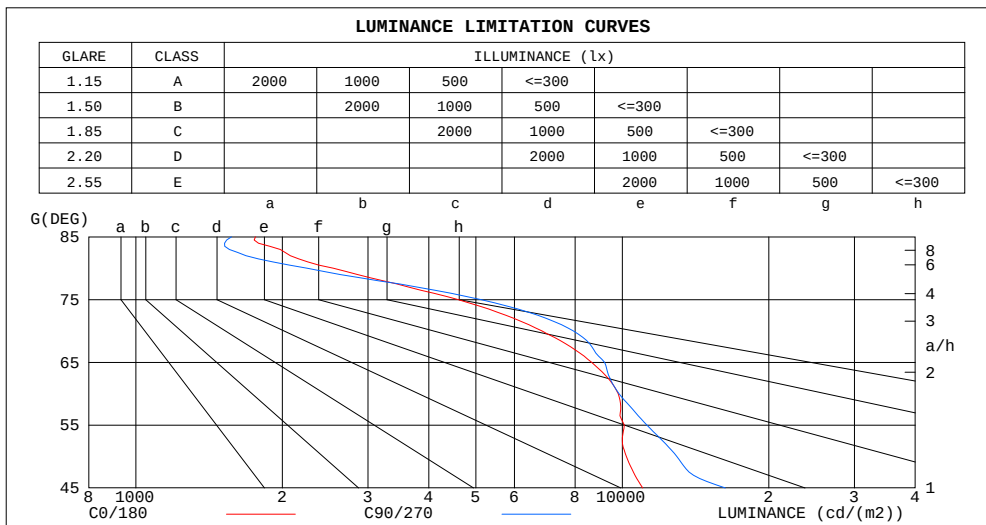
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	242.4	329.2	788.6	2333	3118	2295	783.3	319.0	0- 10	118.2	118.2	9.22,9.22
20	87.00	111.1	322.8	2219	3748	2190	310.9	102.6	10- 20	345.5	463.6	36.2,36.2
30	48.07	55.82	108.4	1010	3075	959.2	91.52	53.98	20- 30	422.1	885.7	69.1,69.1
40	26.39	29.20	52.23	221.3	982.7	169.4	46.00	27.44	30- 40	262.4	1148	89.6,89.6
50	18.52	19.44	23.37	58.27	102.2	47.43	20.64	18.04	40- 50	66.58	1215	94.8,94.8
60	13.85	13.97	13.83	17.18	20.44	15.33	11.71	12.73	50- 60	21.16	1236	96.5,96.5
70	6.604	7.149	7.618	6.995	5.843	5.696	6.349	6.462	60- 70	10.32	1246	97.3,97.3
80	1.249	1.225	1.097	1.101	0.8165	0.8848	1.001	1.128	70- 80	3.693	1250	97.5,97.5
90	0.3577	0.3358	0.3089	0.2860	0.2297	0.2303	0.2833	0.3359	80- 90	0.5064	1250	97.6,97.6
100	0.8026	0.4931	0.3798	0.3791	0.3225	0.3206	0.3822	0.5239	90-100	0.3855	1251	97.6,97.6
110	3.474	1.525	0.5267	0.4950	0.4594	0.4475	0.5581	1.682	100-110	0.7706	1252	97.7,97.7
120	8.921	5.036	1.079	0.6583	0.6428	0.6346	1.125	5.327	110-120	1.921	1253	97.8,97.8
130	15.10	10.44	3.224	1.033	0.9060	1.039	3.166	10.96	120-130	3.801	1257	98.1,98.1
140	18.27	15.47	7.595	2.545	1.744	2.546	7.399	16.32	130-140	5.665	1263	98.6,98.6
150	16.28	17.16	12.76	6.648	4.745	6.432	12.54	18.37	140-150	6.543	1269	99.1,99.1
160	11.96	15.93	16.53	12.39	10.23	11.85	16.49	17.09	150-160	5.996	1275	99.5,99.5
170	13.34	15.27	17.49	17.11	16.04	16.35	17.61	16.35	160-170	4.270	1280	99.9,99.9
180	17.59	17.25	17.55	18.11	17.61	17.25	17.56	18.10	170-180	1.611	1281	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-VF65RF01-15W	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	1762	1572
80	2545	2248
75	4594	5113
70	6834	7929
65	8647	9194
60	9808	9847
55	10090	11231
50	10196	12941
45	11007	16274

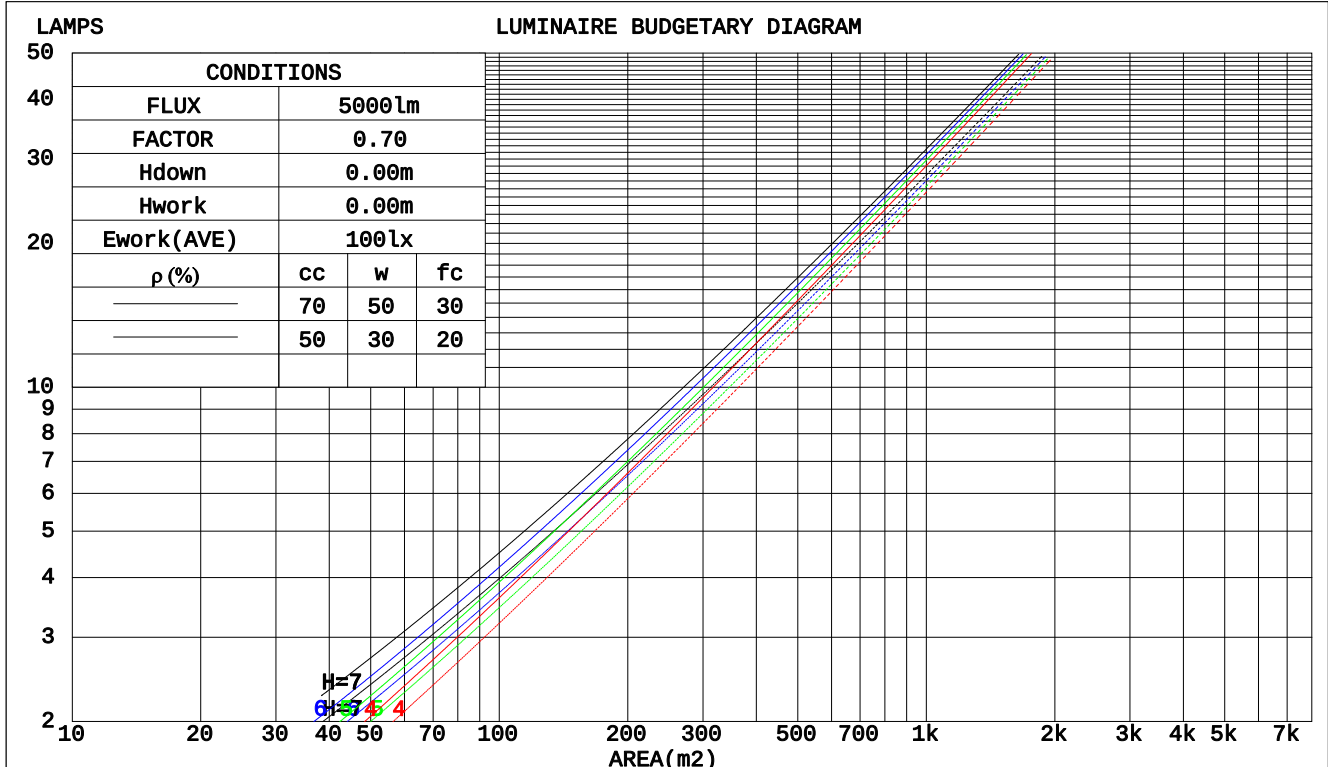
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

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-VF65RF01-15W	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			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	1.10	1.07	1.05	1.07	1.05	1.03	1.03	1.01	.00	.99	.97	.96	.95	.94	.93	.91
2.0	1.02	.98	.94	1.00	.96	.93	.96	.93	.91	.93	.91	.88	.90	.88	.86	.84
3.0	.95	.90	.86	.93	.89	.85	.90	.86	.83	.87	.84	.82	.85	.82	.80	.78
4.0	.88	.83	.78	.87	.82	.78	.85	.80	.77	.82	.79	.75	.80	.77	.74	.73
5.0	.83	.77	.72	.81	.76	.72	.79	.75	.71	.77	.73	.70	.76	.72	.69	.68
6.0	.77	.71	.67	.76	.71	.67	.75	.70	.66	.73	.69	.65	.71	.68	.65	.63
7.0	.73	.66	.62	.72	.66	.62	.70	.65	.61	.69	.64	.61	.68	.64	.60	.59
8.0	.68	.62	.58	.68	.62	.58	.66	.61	.57	.65	.60	.57	.64	.60	.57	.55
9.0	.64	.58	.54	.64	.58	.54	.63	.57	.54	.62	.57	.53	.61	.56	.53	.52
10.0	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.50	.57	.53	.50	.49



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-VF65RF01-15W	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	.183	.104	.033	.176	.100	.032	.162	.093	.030	.149	.086	.028	.137	.080	.026		
2.0	.176	.096	.030	.169	.093	.029	.157	.088	.027	.146	.082	.026	.136	.077	.024		
3.0	.167	.089	.027	.162	.087	.026	.152	.082	.025	.142	.078	.024	.133	.074	.023		
4.0	.159	.083	.024	.154	.081	.024	.145	.077	.023	.137	.074	.022	.129	.070	.021		
5.0	.152	.077	.022	.147	.076	.022	.140	.073	.021	.132	.070	.021	.125	.067	.020		
6.0	.145	.072	.021	.141	.071	.020	.134	.069	.020	.127	.066	.019	.121	.064	.019		
7.0	.138	.068	.019	.135	.067	.019	.128	.065	.019	.123	.063	.018	.117	.061	.018		
8.0	.132	.065	.018	.129	.064	.018	.123	.062	.018	.118	.060	.017	.113	.058	.017		
9.0	.126	.061	.017	.124	.060	.017	.119	.059	.017	.114	.057	.016	.109	.055	.016		
10.0	.121	.058	.016	.119	.057	.016	.114	.056	.016	.110	.054	.015	.106	.053	.015		

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	.190	.176	.163	.163	.151	.140	.111	.104	.097	.064	.060	.056	.021	.019	.018		
2.0	.175	.151	.131	.150	.130	.113	.103	.090	.079	.059	.052	.046	.019	.017	.015		
3.0	.163	.132	.108	.140	.114	.093	.096	.079	.065	.056	.046	.039	.018	.015	.013		
4.0	.154	.118	.091	.132	.102	.079	.091	.071	.055	.052	.042	.033	.017	.014	.011		
5.0	.145	.106	.078	.125	.092	.068	.086	.064	.048	.050	.038	.028	.016	.012	.009		
6.0	.138	.097	.068	.118	.084	.059	.082	.059	.042	.047	.035	.025	.015	.011	.008		
7.0	.132	.090	.061	.113	.078	.053	.078	.055	.037	.045	.032	.022	.015	.011	.007		
8.0	.126	.084	.055	.108	.073	.048	.075	.051	.034	.044	.030	.020	.014	.010	.007		
9.0	.121	.079	.050	.104	.068	.044	.072	.048	.031	.042	.028	.018	.014	.009	.006		
10.0	.116	.074	.046	.100	.064	.040	.070	.045	.029	.041	.027	.017	.013	.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-VF65RF01-15W						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		11.2	12.2	11.5	12.4	12.6	12.0	13.0	12.3	13.2	13.4
3H		12.3	13.1	12.6	13.4	13.6	13.0	13.9	13.3	14.2	14.4
4H		12.5	13.3	12.8	13.6	13.8	13.2	14.1	13.6	14.3	14.6
6H		12.5	13.3	12.8	13.6	13.8	13.2	14.0	13.6	14.3	14.6
8H		12.5	13.2	12.8	13.5	13.8	13.2	14.0	13.6	14.2	14.6
12H		12.4	13.1	12.8	13.5	13.8	13.2	13.9	13.5	14.2	14.5
4H	2H	11.8	12.6	12.1	12.9	13.2	12.5	13.3	12.8	13.6	13.8
	3H	12.9	13.6	13.3	14.0	14.3	13.6	14.3	13.9	14.6	14.9
	4H	13.2	13.8	13.6	14.2	14.5	13.8	14.5	14.2	14.8	15.2
	6H	13.2	13.8	13.6	14.2	14.6	13.9	14.4	14.3	14.8	15.2
	8H	13.2	13.7	13.6	14.1	14.5	13.8	14.3	14.3	14.7	15.2
	12H	13.2	13.7	13.6	14.1	14.5	13.8	14.3	14.2	14.7	15.1
8H	4H	13.2	13.7	13.7	14.1	14.6	13.8	14.4	14.3	14.8	15.2
	6H	13.3	13.7	13.8	14.2	14.6	13.9	14.3	14.3	14.7	15.2
	8H	13.3	13.7	13.8	14.1	14.6	13.8	14.2	14.3	14.7	15.2
	12H	13.3	13.6	13.8	14.1	14.6	13.8	14.1	14.3	14.6	15.1
12H	4H	13.2	13.7	13.6	14.1	14.5	13.8	14.3	14.2	14.7	15.1
	6H	13.3	13.6	13.7	14.1	14.6	13.8	14.2	14.3	14.7	15.2
	8H	13.3	13.6	13.8	14.1	14.6	13.8	14.1	14.3	14.6	15.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.3 / - 0.5					+ 0.9 / - 0.7				
1.5H		+ 0.2 / - 0.3					+ 1.7 / - 0.5				
2.0H		+ 0.3 / - 0.6					+ 1.2 / - 0.7				

CIE Pub.117, 1281 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-VF65RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

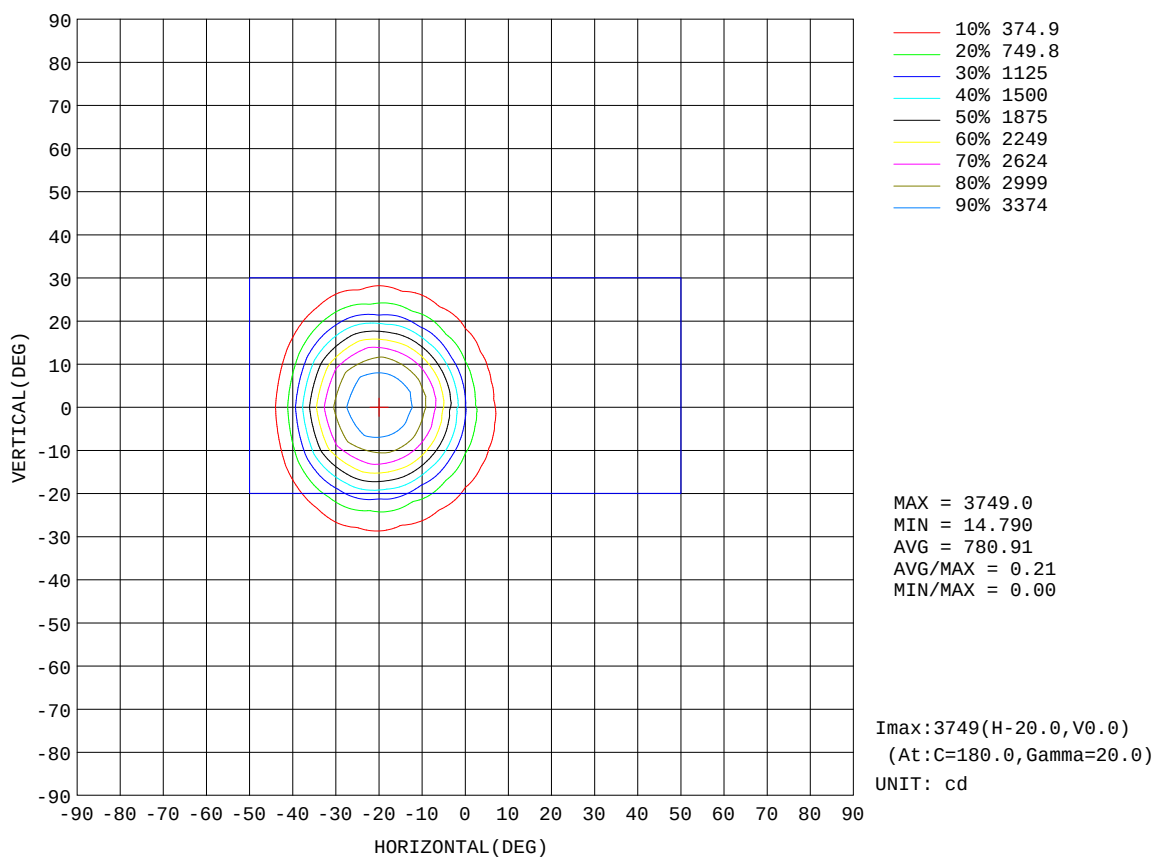
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	75	84	78	74	83	78	74	70
0.80	93	87	83	92	86	82	90	85	82	78
1.00	97	92	88	96	91	87	95	91	87	82
1.25	102	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	100	97	94	89
2.00	107	103	100	106	102	99	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	106	103	105	102	100	93
4.00	113	110	108	111	108	106	106	105	103	95
5.00	114	112	110	112	110	108	107	106	104	96
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-VF65RF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

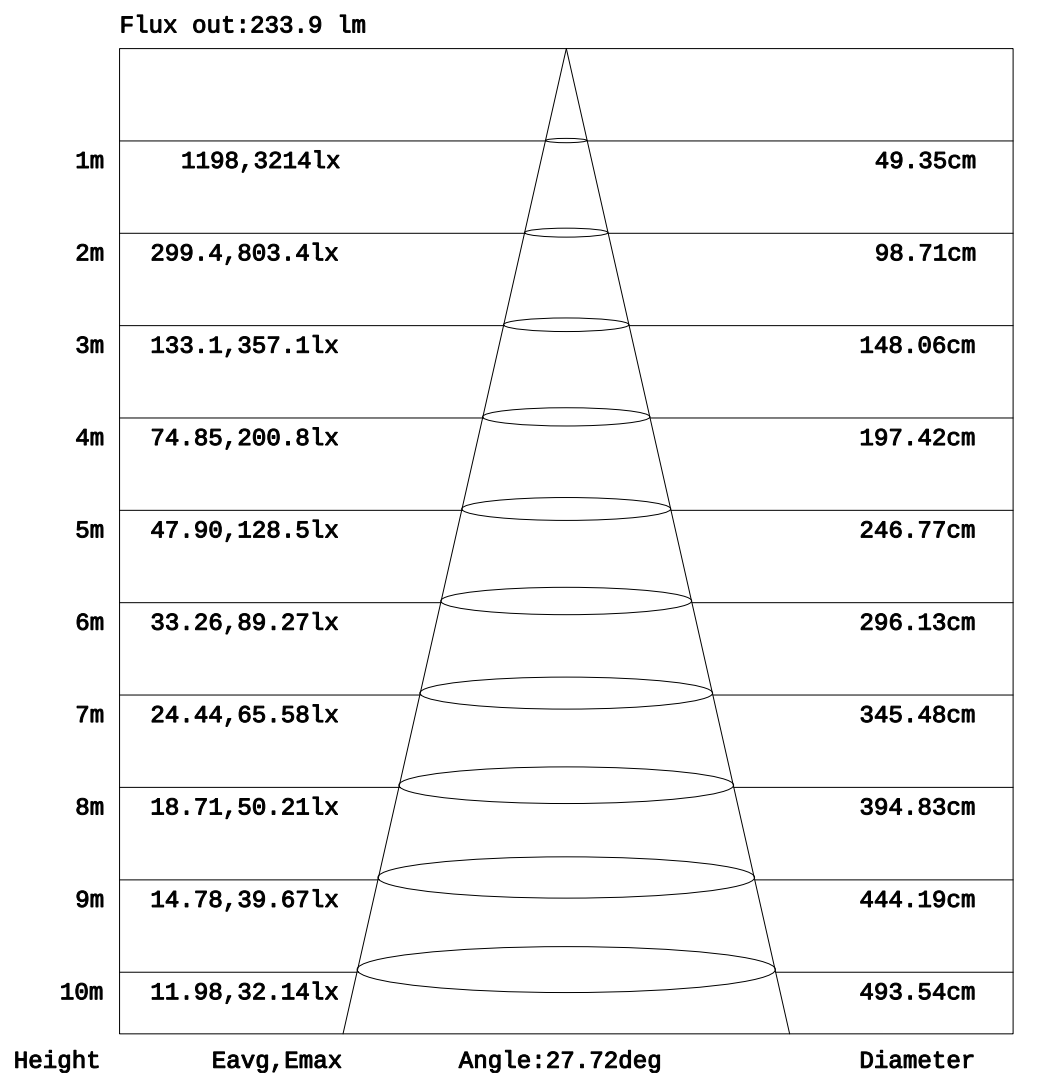


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-11

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-VF65RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



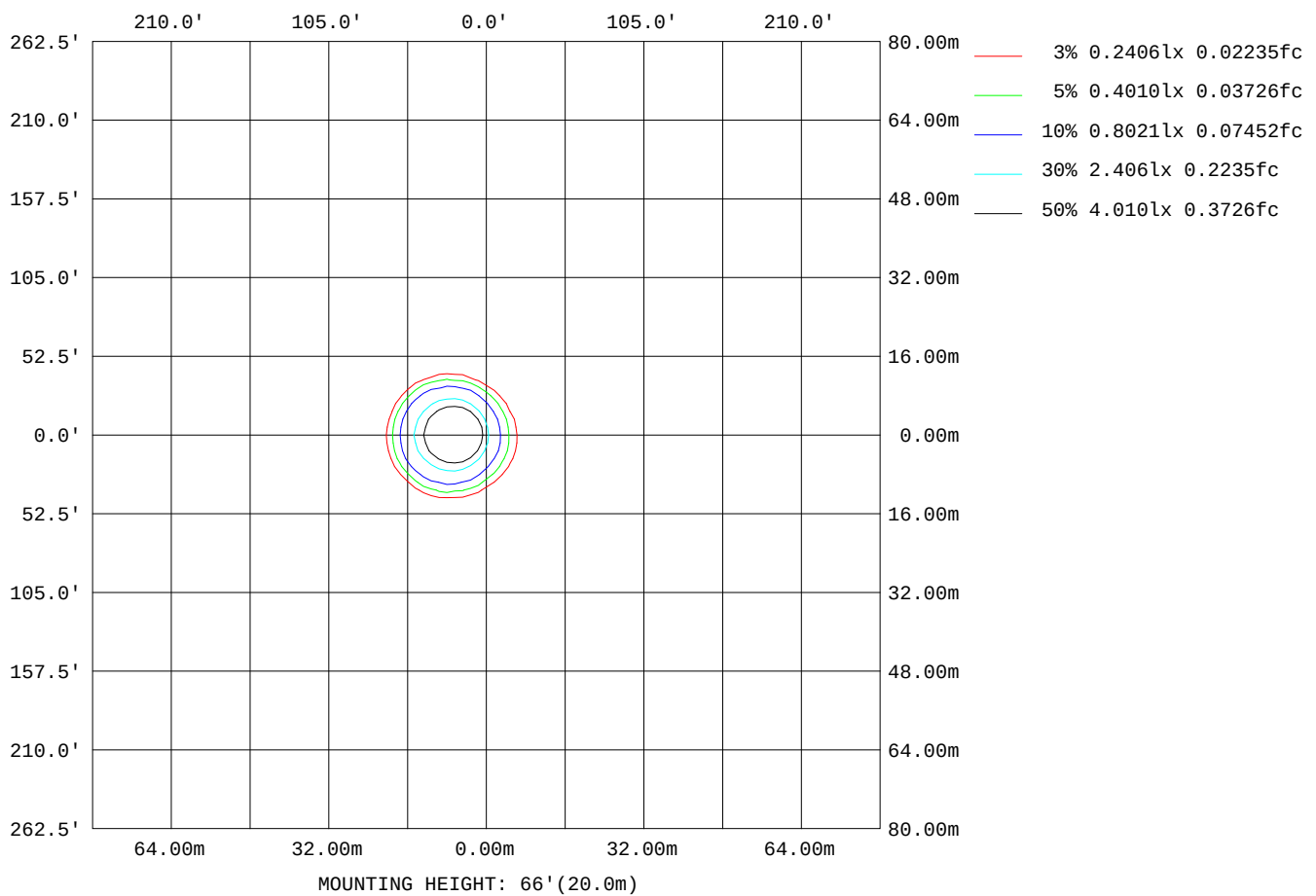
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF65RF01-15W	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-VF65RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

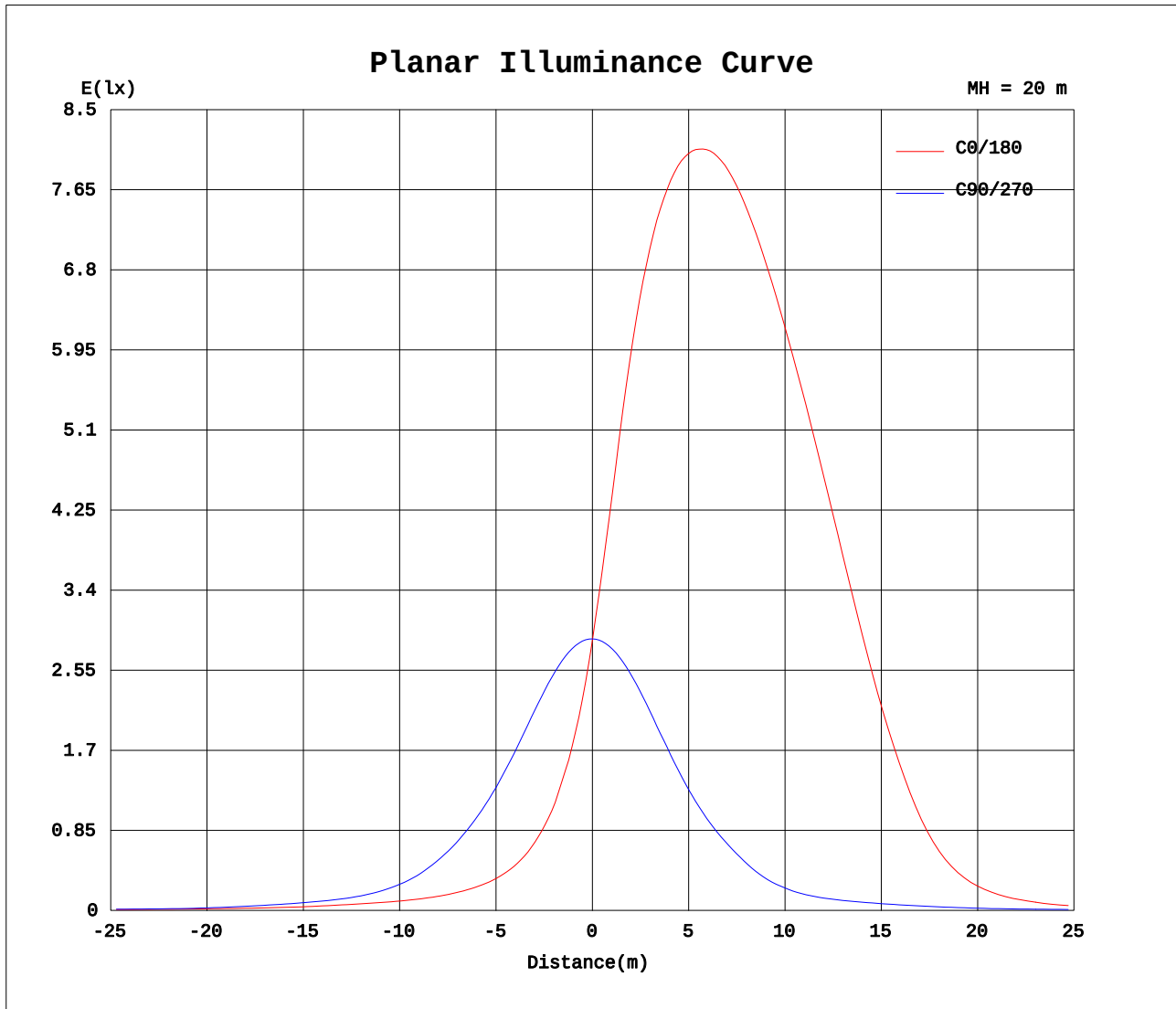
AvgL	cd/m2
L_0~180(65)av	8965
L_0~180(75)av	4418
L_0~180(85)av	1324
L_90~270(65)av	8374
L_90~270(75)av	4723
L_90~270(85)av	1436
L_45(65)av	8706
L_45(75)av	4661
L_45(85)av	1503

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-VF65RF01-15W	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	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147
5	510	515	558	616	712	857	1044	1291	1556	1840	2058	2228	2249	2177	2055	1819	1562	1279	1042
10	242	250	277	329	414	555	789	1194	1718	2333	2765	3103	3118	2983	2773	2295	1748	1180	783
15	135	139	154	182	237	341	523	912	1570	2459	3081	3561	3584	3394	3100	2419	1621	900	512
20	87.0	88.3	97.2	111	141	201	323	597	1181	2219	3056	3673	3748	3503	3101	2190	1233	580	311
25	61.8	62.5	67.6	75.0	90.5	119	184	362	739	1666	2690	3467	3581	3306	2752	1634	767	326	161
30	48.1	48.1	51.5	55.8	65.1	79.3	108	196	420	1010	1958	2903	3075	2746	2017	959	390	156	91.5
35	36.2	36.3	38.7	41.9	48.5	58.7	73.5	108	208	515	1082	1908	2134	1772	1102	442	171	85.9	64.4
40	26.4	26.3	27.6	29.2	33.2	40.6	52.2	70.3	106	221	451	860	983	762	425	169	84.5	58.6	46.0
45	22.0	22.0	23.0	23.6	25.0	26.7	32.3	46.5	65.5	101	164	271	293	232	148	78.0	54.9	40.0	28.4
50	18.5	18.4	19.2	19.4	20.4	21.7	23.4	26.2	37.4	58.3	74.9	99.7	102	88.0	67.0	47.4	34.7	23.2	20.6
55	16.4	16.2	16.6	16.3	16.7	17.2	18.1	19.9	21.2	26.7	36.8	47.3	47.3	41.8	35.2	24.0	20.2	17.3	15.7
60	13.9	13.8	14.2	14.0	14.2	13.8	13.8	14.7	15.4	17.2	18.2	20.6	20.4	18.4	17.6	15.3	13.9	12.3	11.7
65	10.3	10.4	10.8	11.1	11.3	11.1	10.9	10.7	10.6	11.2	11.1	11.7	11.1	10.3	10.3	9.36	9.03	8.63	9.09
70	6.60	6.64	6.81	7.15	7.41	7.65	7.62	7.61	7.14	6.99	6.41	6.37	5.84	5.51	5.72	5.70	6.03	6.14	6.35
75	3.36	3.36	3.39	3.46	3.52	3.70	3.72	3.98	3.84	3.88	3.49	3.42	3.10	2.90	3.16	3.12	3.29	3.16	3.19
80	1.25	1.27	1.25	1.22	1.17	1.16	1.10	1.14	1.08	1.10	0.99	0.98	0.82	0.78	0.89	0.88	0.96	0.93	1.00
85	0.43	0.48	0.49	0.46	0.45	0.41	0.38	0.35	0.33	0.31	0.30	0.28	0.22	0.24	0.24	0.27	0.27	0.31	0.32
90	0.36	0.35	0.36	0.34	0.34	0.32	0.31	0.30	0.28	0.29	0.26	0.27	0.23	0.21	0.24	0.23	0.25	0.26	0.28
95	0.44	0.44	0.41	0.39	0.35	0.36	0.34	0.34	0.31	0.33	0.30	0.32	0.27	0.26	0.28	0.26	0.30	0.29	0.33
100	0.80	0.72	0.61	0.49	0.42	0.41	0.38	0.39	0.36	0.38	0.35	0.37	0.32	0.30	0.33	0.32	0.35	0.34	0.38
105	1.76	1.51	1.21	0.79	0.57	0.49	0.45	0.44	0.41	0.44	0.40	0.42	0.38	0.36	0.39	0.38	0.41	0.41	0.45
110	3.47	3.08	2.46	1.53	0.95	0.64	0.53	0.51	0.48	0.49	0.46	0.49	0.46	0.43	0.47	0.45	0.49	0.49	0.56
115	5.97	5.37	4.48	2.96	1.81	1.01	0.70	0.61	0.55	0.57	0.54	0.57	0.54	0.51	0.55	0.53	0.58	0.61	0.75
120	8.92	8.19	7.09	5.04	3.29	1.80	1.08	0.78	0.66	0.66	0.62	0.65	0.64	0.61	0.64	0.63	0.70	0.81	1.13
125	12.1	11.2	10.0	7.64	5.42	3.23	1.87	1.15	0.87	0.79	0.73	0.75	0.75	0.72	0.77	0.77	0.92	1.19	1.86
130	15.1	14.1	13.0	10.4	7.99	5.23	3.22	1.90	1.28	1.03	0.91	0.90	0.91	0.88	0.95	1.04	1.32	1.93	3.17
135	17.3	16.4	15.6	13.2	10.7	7.66	5.19	3.26	2.11	1.53	1.26	1.19	1.18	1.18	1.31	1.55	2.11	3.22	5.05
140	18.3	17.5	17.2	15.5	13.4	10.3	7.60	5.22	3.56	2.54	1.99	1.77	1.74	1.79	2.04	2.55	3.53	5.13	7.40
145	17.8	17.3	17.7	16.9	15.6	12.9	10.2	7.64	5.65	4.28	3.38	2.95	2.87	2.97	3.42	4.18	5.54	7.48	9.98
150	16.3	16.0	17.1	17.2	16.9	15.0	12.8	10.3	8.19	6.65	5.50	4.95	4.74	4.85	5.48	6.43	8.02	10.1	12.5
155	14.1	14.1	15.8	16.7	17.3	16.5	15.0	12.9	10.9	9.44	8.19	7.60	7.27	7.35	8.10	9.07	10.7	12.6	14.8
160	12.0	12.5	14.3	15.9	17.2	17.2	16.5	15.2	13.6	12.4	11.1	10.7	10.2	10.2	11.0	11.9	13.4	14.9	16.5
165	11.8	12.4	13.9	15.2	16.8	17.3	17.4	16.9	15.8	15.1	14.1	13.8	13.3	13.2	13.9	14.4	15.6	16.5	17.4
170	13.3	13.6	14.7	15.3	16.5	17.0	17.5	17.6	17.2	17.1	16.5	16.6	16.0	15.8	16.3	16.4	17.1	17.3	17.6
175	15.6	15.6	16.2	16.3	16.9	17.1	17.4	17.7	17.8	18.2	17.9	18.3	17.7	17.3	17.7	17.4	17.7	17.5	17.6
180	17.6	17.2	17.6	17.2	17.5	17.4	17.5	17.7	17.7	18.1	17.9	18.3	17.6	17.2	17.6	17.2	17.5	17.4	17.6

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-VF65RF01-15W	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	1147	1147	1147	1147	1147														
5	843	703	613	545	513														
10	533	398	319	272	249														
15	320	227	177	151	139														
20	180	127	103	91.3	87.9														
25	100	79.2	70.3	64.3	62.8														
30	69.6	59.4	54.0	49.9	49.0														
35	52.3	44.5	40.1	37.1	36.5														
40	35.7	30.0	27.4	26.2	26.4														
45	23.5	22.3	22.0	21.6	22.0														
50	19.0	18.1	18.0	17.8	18.4														
55	14.8	14.5	14.9	15.3	16.2														
60	11.7	12.2	12.7	13.1	13.7														
65	9.33	9.66	9.97	9.98	10.24														
70	6.32	6.42	6.46	6.42	6.52														
75	3.08	3.16	3.18	3.26	3.29														
80	1.00	1.09	1.13	1.21	1.22														
85	0.37	0.39	0.45	0.46	0.48														
90	0.29	0.31	0.34	0.35	0.37														
95	0.32	0.36	0.38	0.43	0.47														
100	0.39	0.45	0.52	0.66	0.83														
105	0.49	0.62	0.88	1.26	1.77														
110	0.68	0.99	1.68	2.53	3.48														
115	1.09	1.79	3.15	4.53	5.94														
120	1.89	3.23	5.33	7.17	8.93														
125	3.27	5.29	8.01	10.2	12.2														
130	5.26	7.82	11.0	13.2	15.3														
135	7.70	10.6	13.9	15.9	17.8														
140	10.4	13.3	16.3	17.7	18.9														
145	13.0	15.6	17.9	18.3	18.7														
150	15.2	17.2	18.4	17.8	17.3														
155	16.8	17.8	17.9	16.5	15.4														
160	17.6	17.7	17.1	15.1	13.8														
165	17.8	17.2	16.4	14.6	13.7														
170	17.5	16.9	16.3	15.3	14.8														
175	17.5	17.2	17.3	16.7	16.7														
180	17.7	17.7	18.1	17.9	18.3														

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: