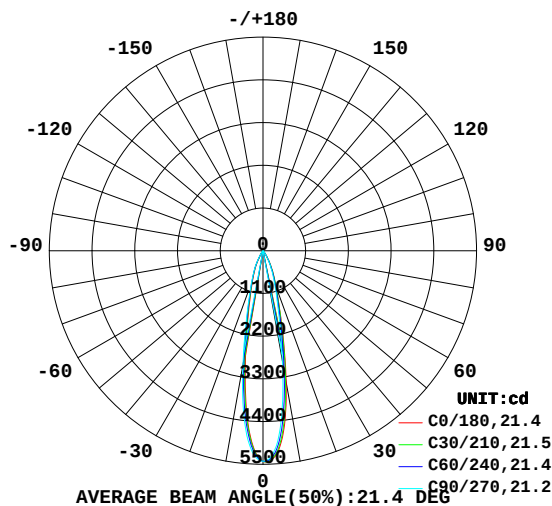


LUMINAIRE PHOTOMETRIC TEST REPORT

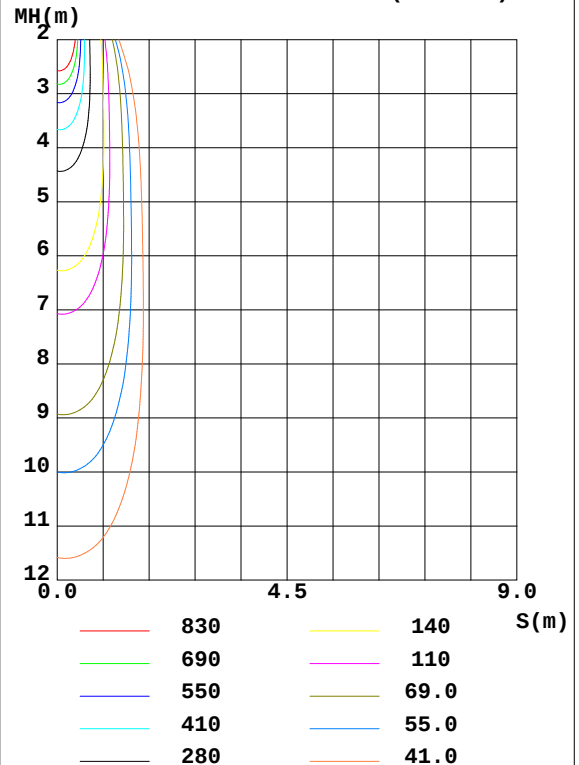
NAME: VM060-VF62RF02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.47 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5448	S/MH(C0/180)	0.33
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.37
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1236.8	η UP, DN(C0-180)	1.2, 49.9
NOMINAL FLUX(lm)	1236.85	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 47.7
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	97.6	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: 2021-08-10

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:

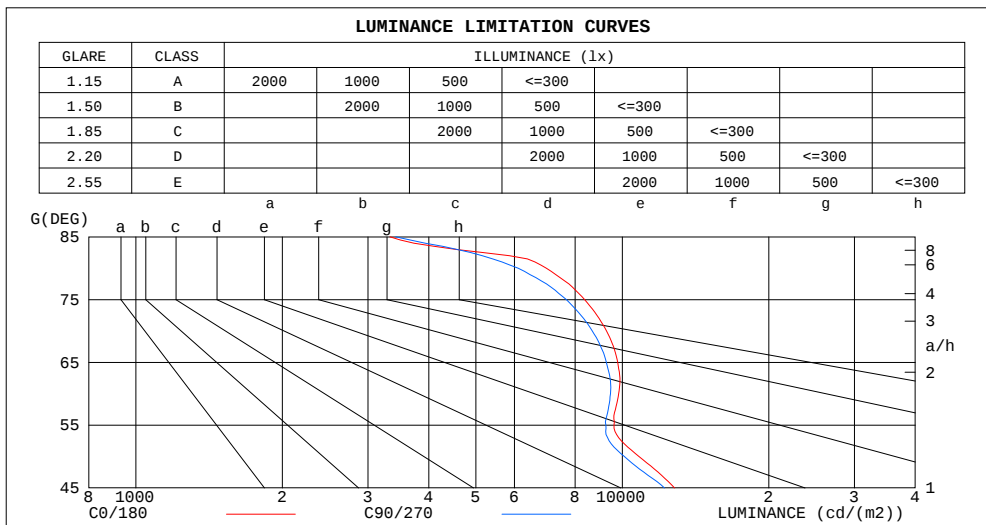
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3443	3323	2891	2678	2550	2693	2989	3176	0- 10	394.8	394.8	31.9, 31.9
20	982.9	975.0	864.8	811.5	770.3	796.7	861.9	912.5	10- 20	439.9	834.6	67.5, 67.5
30	309.7	305.1	246.1	209.5	178.8	189.9	225.1	264.7	20- 30	235.2	1070	86.5, 86.5
40	57.76	54.54	47.47	41.65	39.49	39.16	45.21	48.13	30- 40	71.40	1141	92.3, 92.3
50	25.62	25.46	24.29	23.22	22.49	22.62	23.48	24.18	40- 50	24.59	1166	94.3, 94.3
60	18.11	18.19	17.71	17.29	16.97	16.86	17.14	17.43	50- 60	17.86	1184	95.7, 95.7
70	11.69	11.75	11.11	10.63	10.13	10.06	10.49	10.90	60- 70	14.16	1198	96.8, 96.8
80	4.466	4.449	3.972	3.641	3.216	3.283	3.623	3.903	70- 80	7.644	1205	97.5, 97.5
90	0.3424	0.3346	0.3426	0.3336	0.3378	0.3170	0.3277	0.3114	80- 90	1.531	1207	97.6, 97.6
100	0.4094	0.4249	0.4137	0.4337	0.4620	0.4334	0.4451	0.4090	90-100	0.4043	1207	97.6, 97.6
110	0.5683	0.5835	0.5929	0.6362	0.7041	0.6710	0.6490	0.5911	100-110	0.5353	1208	97.7, 97.7
120	1.216	1.245	1.351	1.433	1.579	1.542	1.394	1.291	110-120	0.9109	1209	97.7, 97.7
130	3.237	3.356	3.657	3.860	4.295	4.169	3.742	3.465	120-130	2.082	1211	97.9, 97.9
140	8.383	8.602	9.192	9.590	10.24	9.973	9.345	8.881	130-140	4.780	1216	98.3, 98.3
150	14.40	14.52	14.96	15.24	15.61	15.43	15.12	14.75	140-150	7.691	1223	98.9, 98.9
160	16.78	16.83	17.11	17.13	17.22	17.19	17.35	16.95	150-160	7.545	1231	99.5, 99.5
170	14.78	14.34	14.48	14.32	14.56	14.51	14.77	14.55	160-170	4.628	1236	99.9, 99.9
180	12.51	12.55	12.21	12.48	12.54	12.52	12.24	12.48	170-180	1.282	1237	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:2021-08-10

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-VF62RF02-15W	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	3329	3419
80	6978	6107
75	8365	7668
70	9276	8673
65	9781	9272
60	9826	9455
55	9612	9248
50	10814	10090
45	12801	12210

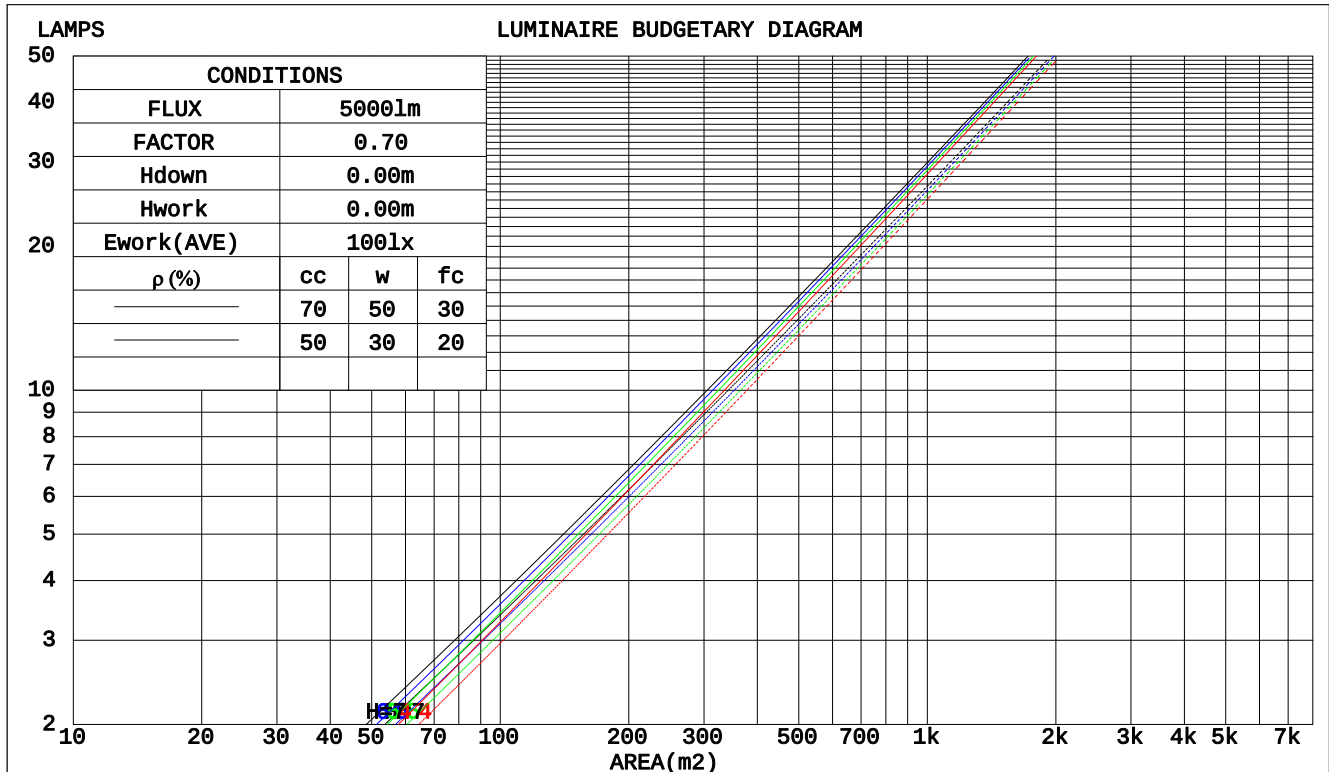
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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: V060-VF62RF02-15W	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	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.00	.99	.98	.97	.96	.95	.93
2.0	1.05	1.02	.99	1.03	1.00	.98	.00	.97	.95	.96	.95	.93	.93	.92	.91	.89
3.0	.00	.96	.92	.98	.95	.92	.95	.92	.90	.93	.90	.88	.90	.88	.87	.85
4.0	.95	.91	.87	.94	.90	.87	.92	.88	.85	.89	.87	.84	.87	.85	.83	.82
5.0	.91	.86	.83	.90	.86	.83	.88	.84	.82	.86	.83	.81	.85	.82	.80	.79
6.0	.87	.83	.79	.87	.82	.79	.85	.81	.78	.83	.80	.78	.82	.79	.77	.76
7.0	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.77	.75	.80	.77	.74	.73
8.0	.81	.76	.73	.81	.76	.73	.79	.75	.73	.78	.75	.72	.77	.74	.72	.71
9.0	.78	.74	.71	.78	.74	.71	.77	.73	.70	.76	.72	.70	.75	.72	.70	.69
10.0	.76	.71	.68	.75	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.68	.67



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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-VF62RF02-15W	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	.155	.088	.028	.148	.084	.027	.134	.077	.025	.121	.070	.022	.110	.064	.020		
2.0	.145	.079	.024	.138	.076	.023	.127	.071	.022	.116	.065	.020	.106	.060	.019		
3.0	.135	.072	.022	.130	.069	.021	.120	.065	.020	.111	.061	.019	.102	.057	.017		
4.0	.126	.066	.019	.122	.064	.019	.113	.060	.018	.105	.057	.017	.098	.053	.016		
5.0	.119	.060	.018	.115	.059	.017	.107	.056	.016	.101	.053	.016	.094	.050	.015		
6.0	.112	.056	.016	.109	.055	.016	.102	.052	.015	.096	.050	.015	.090	.048	.014		
7.0	.106	.052	.015	.103	.051	.015	.097	.049	.014	.092	.047	.014	.087	.045	.013		
8.0	.101	.049	.014	.098	.048	.014	.093	.047	.013	.088	.045	.013	.084	.043	.013		
9.0	.096	.046	.013	.094	.046	.013	.089	.044	.012	.085	.043	.012	.081	.041	.012		
10.0	.092	.044	.012	.090	.043	.012	.086	.042	.012	.082	.041	.012	.078	.039	.011		

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	.188	.176	.165	.161	.151	.142	.110	.104	.098	.063	.060	.057	.020	.019	.018		
2.0	.171	.151	.134	.147	.130	.116	.101	.090	.081	.058	.052	.048	.019	.017	.015		
3.0	.157	.132	.112	.135	.114	.097	.093	.079	.068	.053	.046	.040	.017	.015	.013		
4.0	.145	.117	.095	.125	.101	.083	.086	.071	.058	.050	.041	.035	.016	.013	.011		
5.0	.135	.105	.083	.116	.091	.072	.080	.064	.051	.046	.037	.030	.015	.012	.010		
6.0	.127	.095	.073	.109	.083	.063	.075	.058	.045	.044	.034	.027	.014	.011	.009		
7.0	.119	.087	.065	.103	.076	.057	.071	.053	.040	.041	.031	.024	.013	.010	.008		
8.0	.113	.081	.059	.097	.070	.051	.067	.049	.036	.039	.029	.022	.013	.010	.007		
9.0	.107	.075	.053	.093	.065	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007		
10.0	.102	.071	.049	.088	.061	.043	.061	.043	.031	.036	.025	.018	.012	.008	.006		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF02-15W						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						14.5	15.3	14.8	15.4	15.6	13.8
3H						15.4	16.1	15.7	16.3	16.6	14.8
4H						15.8	16.4	16.1	16.7	17.0	15.2
6H						16.1	16.7	16.4	16.9	17.2	15.5
8H						16.1	16.7	16.5	17.0	17.3	15.5
12H						16.1	16.7	16.5	17.0	17.3	15.5
4H 2H						14.8	15.4	15.1	15.7	15.9	14.2
3H						15.9	16.5	16.2	16.8	17.1	15.4
4H						16.4	16.9	16.8	17.3	17.6	15.9
6H						16.8	17.2	17.2	17.6	18.0	16.3
8H						16.8	17.3	17.3	17.7	18.1	16.3
12H						16.8	17.2	17.3	17.6	18.1	16.3
8H 4H						16.5	17.0	17.0	17.4	17.8	16.1
6H						17.0	17.3	17.5	17.8	18.2	16.5
8H						17.1	17.4	17.6	17.9	18.4	16.6
12H						17.2	17.4	17.7	17.9	18.4	16.7
12H 4H						16.5	16.9	17.0	17.3	17.8	16.1
6H						17.0	17.3	17.5	17.8	18.2	16.5
8H						17.1	17.4	17.6	17.9	18.4	16.7
Variations with the observer position at spacings:											
S = 1.0H						+ 0.7 / - 0.6			+ 0.5 / - 0.6		
1.5H						+ 1.6 / - 0.6			+ 1.0 / - 0.6		
2.0H						+ 0.4 / - 0.3			+ 0.3 / - 0.3		

CIE Pub.117, 1237 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.7$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

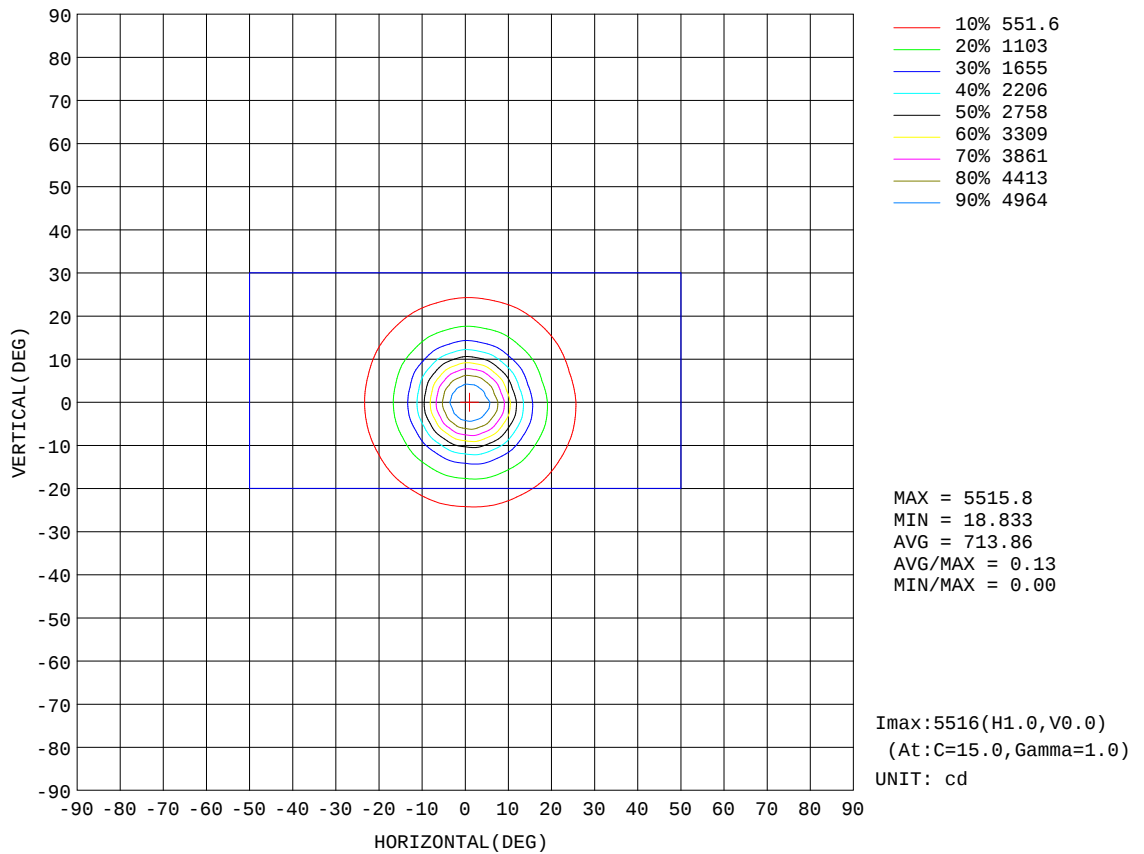
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	87	81	77	86	80	77	85	80	76	73
0.80	94	88	85	93	88	84	92	87	84	80
1.00	98	93	89	97	92	89	95	92	88	84
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	97	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	107	104	101	104	101	99	93
3.00	111	107	105	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	95
5.00	114	112	110	112	110	108	108	106	105	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:2021-08-10

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-VF62RF02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

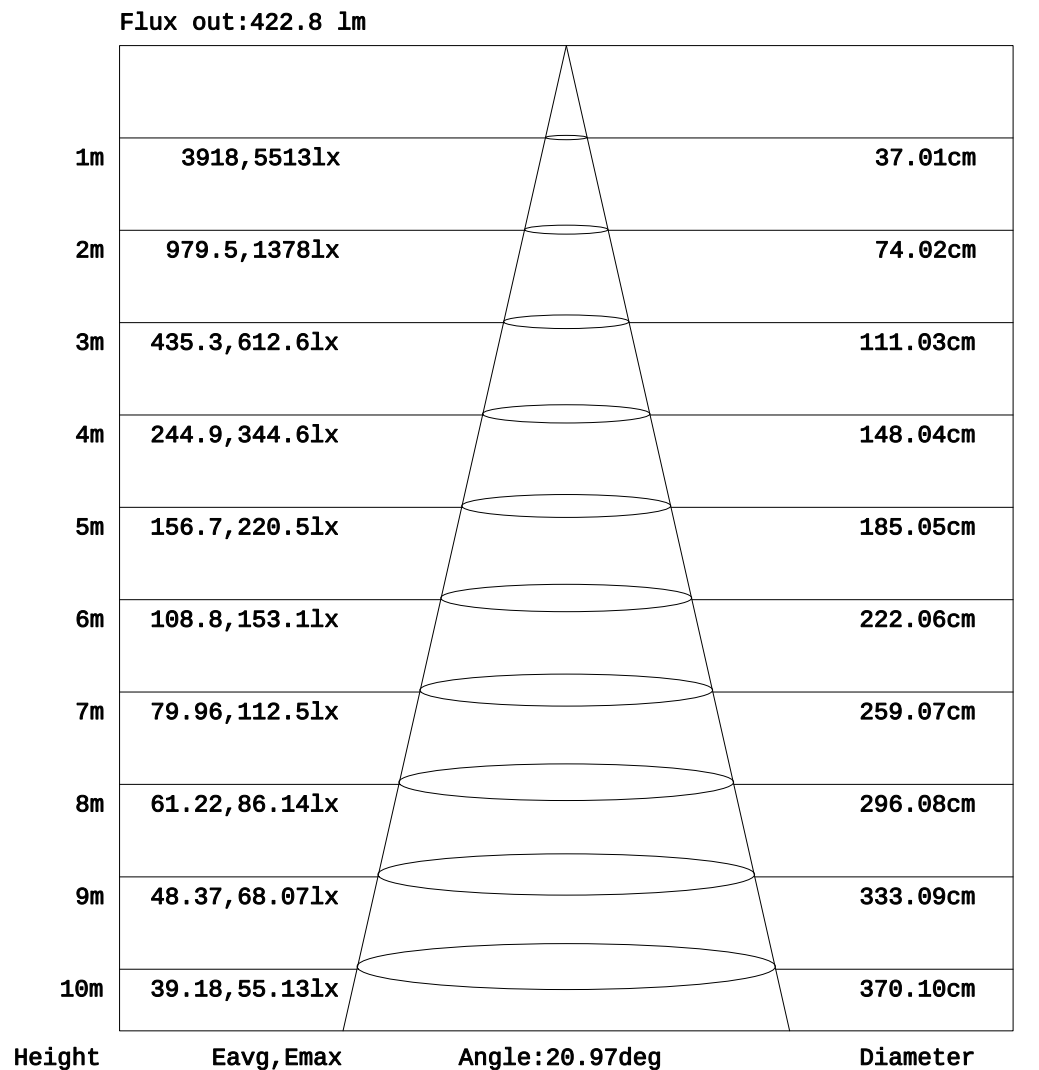


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-10

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-VF62RF02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



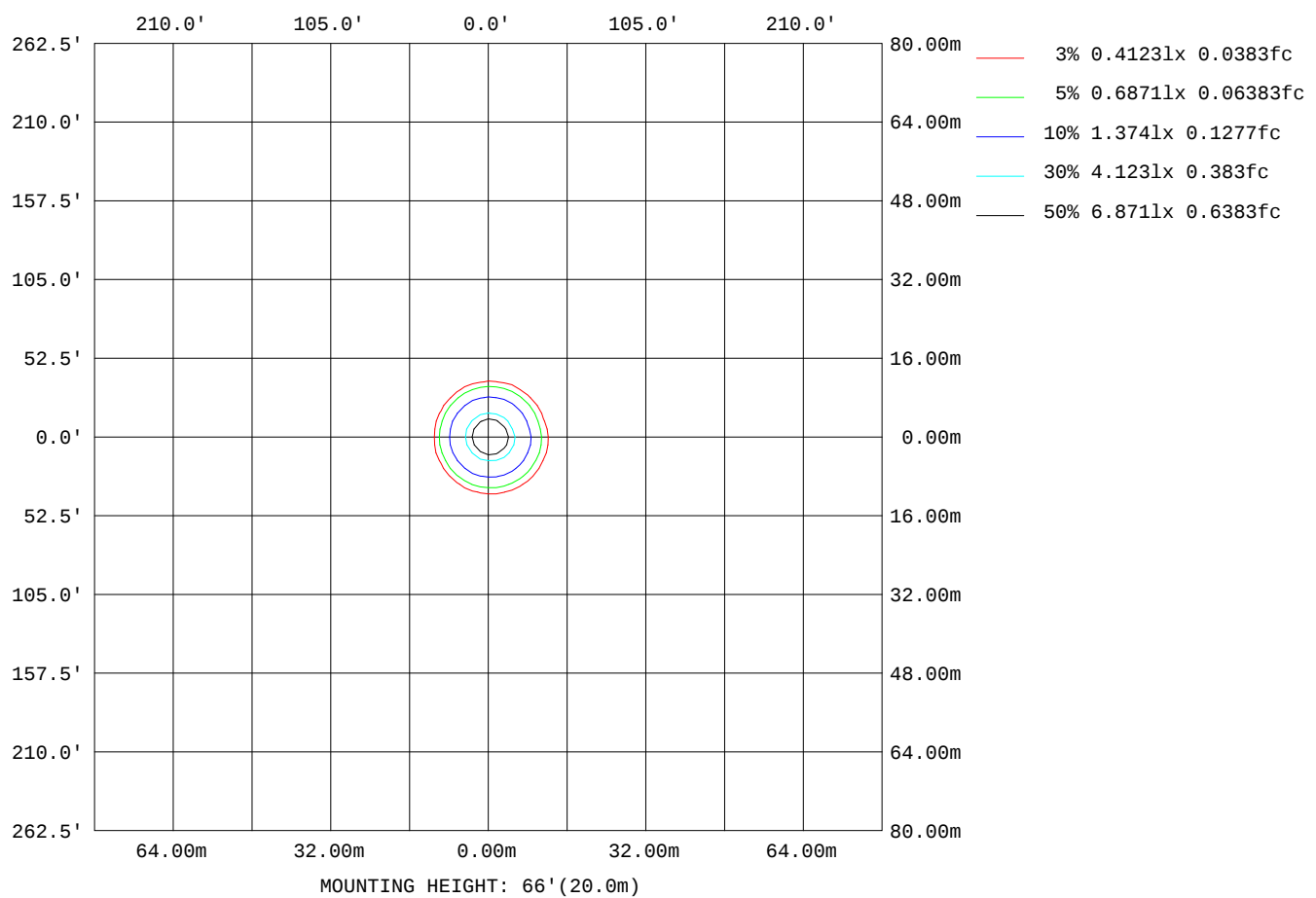
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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-VF62RF02-15W	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: 2021-08-10

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-VF62RF02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

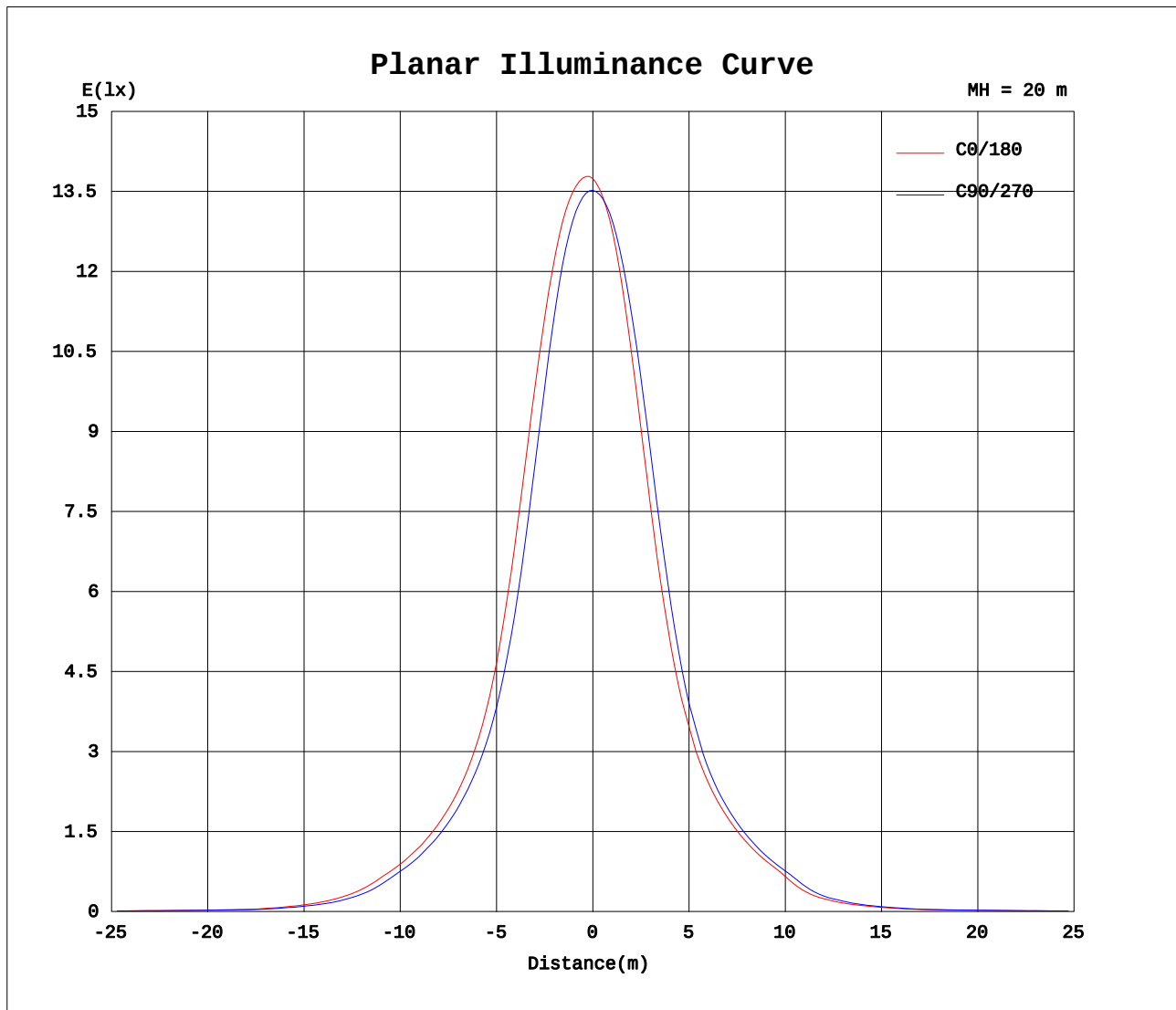
AvgL	cd/m2
L_0~180(65)av	9162
L_0~180(75)av	7528
L_0~180(85)av	2760
L_90~270(65)av	9092
L_90~270(75)av	7437
L_90~270(85)av	3186
L_45(65)av	9108
L_45(75)av	7456
L_45(85)av	3274

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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: 2021-08-10

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-VF62RF02-15W	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	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421	5421
5	5051	5075	4996	4991	4895	4877	4767	4749	4636	4626	4531	4556	4458	4436	4520	4529	4630	4661	4775
10	3443	3488	3347	3323	3139	3085	2891	2841	2680	2678	2585	2635	2550	2548	2667	2693	2824	2851	2989
15	1769	1810	1741	1735	1636	1611	1494	1484	1392	1394	1332	1349	1317	1320	1392	1386	1462	1444	1527
20	983	1008	978	975	926	911	865	855	817	812	783	787	770	767	796	797	825	827	862
25	585	594	577	572	542	532	505	501	478	476	459	464	455	455	471	474	491	491	511
30	310	320	308	305	281	269	246	239	218	210	191	189	179	178	189	190	203	205	225
35	134	141	133	134	121	116	106	102	93.9	90.2	85.7	85.3	81.9	80.5	83.3	83.0	87.8	90.1	96.4
40	57.8	58.7	56.0	54.5	51.9	51.6	47.5	46.1	42.6	41.6	40.1	40.7	39.5	38.9	39.7	39.2	41.6	42.9	45.2
45	33.4	33.6	33.0	32.6	32.8	33.1	32.3	31.8	30.8	30.1	29.7	29.9	29.6	29.3	29.6	29.4	30.2	30.7	31.4
50	25.6	25.9	25.5	25.5	25.0	25.0	24.3	24.0	23.4	23.2	22.8	22.7	22.5	22.3	22.6	22.6	23.0	23.1	23.5
55	20.3	20.5	20.3	20.4	20.2	20.2	19.9	19.8	19.5	19.4	19.2	19.2	19.2	19.1	19.1	19.1	19.1	19.1	19.3
60	18.1	18.3	18.1	18.2	18.0	18.0	17.7	17.6	17.4	17.3	17.1	17.0	17.0	16.9	16.9	16.9	17.0	16.9	17.1
65	15.2	15.4	15.2	15.3	15.0	15.0	14.7	14.6	14.3	14.2	13.9	13.9	13.7	13.6	13.7	13.6	13.8	13.8	14.0
70	11.7	11.9	11.7	11.7	11.5	11.4	11.1	11.0	10.7	10.6	10.3	10.3	10.1	9.98	10.1	10.1	10.2	10.2	10.5
75	7.98	8.13	7.95	8.01	7.75	7.72	7.43	7.37	7.07	7.01	6.77	6.78	6.58	6.46	6.60	6.54	6.72	6.70	6.95
80	4.47	4.58	4.43	4.45	4.24	4.20	3.97	3.91	3.69	3.64	3.46	3.47	3.22	2.94	3.31	3.28	3.43	3.43	3.62
85	1.07	1.51	1.38	1.41	1.26	1.25	1.12	1.09	0.98	0.97	0.88	0.89	0.73	0.61	0.80	0.79	0.86	0.86	0.96
90	0.34	0.33	0.34	0.33	0.34	0.33	0.34	0.33	0.34	0.33	0.34	0.34	0.34	0.32	0.33	0.32	0.33	0.31	0.33
95	0.36	0.37	0.35	0.37	0.35	0.37	0.36	0.38	0.36	0.38	0.37	0.39	0.40	0.37	0.39	0.37	0.38	0.36	0.38
100	0.41	0.42	0.41	0.42	0.41	0.42	0.41	0.43	0.41	0.43	0.42	0.44	0.44	0.46	0.44	0.45	0.43	0.45	0.45
105	0.47	0.48	0.47	0.48	0.47	0.49	0.48	0.49	0.48	0.50	0.49	0.52	0.55	0.52	0.54	0.51	0.53	0.50	0.52
110	0.57	0.58	0.57	0.58	0.57	0.60	0.59	0.61	0.61	0.64	0.63	0.66	0.70	0.69	0.69	0.67	0.67	0.65	0.65
115	0.78	0.79	0.79	0.80	0.81	0.83	0.85	0.87	0.89	0.91	0.93	0.95	1.01	1.01	0.99	0.98	0.95	0.93	0.90
120	1.22	1.21	1.24	1.24	1.28	1.30	1.35	1.37	1.42	1.43	1.49	1.49	1.58	1.60	1.55	1.54	1.48	1.45	1.39
125	1.97	1.95	2.01	2.02	2.10	2.11	2.21	2.21	2.31	2.32	2.43	2.42	2.59	2.61	2.53	2.52	2.39	2.37	2.24
130	3.24	3.23	3.32	3.36	3.47	3.52	3.66	3.69	3.83	3.86	4.02	4.03	4.29	4.34	4.20	4.17	3.99	3.92	3.74
135	5.39	5.35	5.53	5.54	5.76	5.82	6.06	6.10	6.33	6.37	6.58	6.59	6.98	6.99	6.83	6.76	6.52	6.42	6.16
140	8.38	8.38	8.54	8.60	8.82	8.95	9.19	9.29	9.51	9.59	9.80	9.82	10.2	10.2	10.1	9.97	9.72	9.61	9.35
145	11.7	11.6	11.8	11.8	12.1	12.2	12.4	12.5	12.7	12.8	13.0	13.0	13.3	13.3	13.2	13.1	12.9	12.8	12.6
150	14.4	14.4	14.5	14.5	14.7	14.8	15.0	15.1	15.2	15.2	15.4	15.4	15.6	15.6	15.5	15.4	15.3	15.2	15.1
155	16.1	16.1	16.1	16.2	16.3	16.4	16.5	16.6	16.6	16.7	16.7	16.8	16.9	16.9	16.8	16.8	16.8	16.7	16.7
160	16.8	16.8	16.7	16.8	16.9	17.0	17.1	17.2	17.2	17.1	17.0	17.1	17.2	17.2	17.2	17.2	17.3	17.3	17.3
165	16.3	16.3	16.0	16.1	16.3	16.5	16.6	16.6	16.4	16.3	16.2	16.3	16.4	16.4	16.4	16.3	16.5	16.7	16.8
170	14.8	14.7	14.4	14.3	14.3	14.5	14.5	14.5	14.3	14.3	14.4	14.5	14.6	14.6	14.6	14.5	14.6	14.6	14.8
175	13.1	13.0	12.9	12.9	12.8	12.6	12.5	12.6	12.6	12.8	12.9	12.8	12.9	12.9	13.0	13.0	12.9	12.8	12.8
180	12.5	12.5	12.4	12.5	12.3	12.2	12.2	12.1	12.2	12.5	12.4	12.4	12.5	12.4	12.5	12.5	12.3	12.1	12.2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF02-15W	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	5421	5421	5421	5421	5421													
5	4803	4903	4922	5000	4990													
10	3011	3156	3176	3318	3320													
15	1512	1598	1595	1680	1682													
20	868	909	913	947	943													
25	516	540	544	562	560													
30	235	257	265	284	286													
35	98.8	108	111	123	124													
40	45.4	48.0	48.1	52.0	52.9													
45	31.3	31.8	31.2	32.0	32.4													
50	23.5	24.0	24.2	24.7	24.9													
55	19.3	19.6	19.6	19.8	19.9													
60	17.2	17.4	17.4	17.7	17.7													
65	14.1	14.4	14.4	14.7	14.8													
70	10.5	10.8	10.9	11.2	11.3													
75	6.97	7.24	7.28	7.58	7.59													
80	3.64	3.86	3.90	4.12	4.14													
85	0.97	1.08	1.10	1.24	1.01													
90	0.31	0.31	0.31	0.31	0.31													
95	0.35	0.37	0.34	0.37	0.35													
100	0.42	0.43	0.41	0.42	0.40													
105	0.49	0.50	0.48	0.49	0.48													
110	0.62	0.62	0.59	0.60	0.58													
115	0.88	0.86	0.83	0.82	0.81													
120	1.36	1.31	1.29	1.25	1.25													
125	2.21	2.11	2.10	2.02	2.04													
130	3.65	3.51	3.47	3.38	3.38													
135	6.06	5.83	5.79	5.63	5.67													
140	9.21	8.98	8.88	8.73	8.73													
145	12.5	12.2	12.2	12.0	12.0													
150	15.0	14.8	14.7	14.6	14.6													
155	16.6	16.5	16.4	16.3	16.2													
160	17.2	17.1	16.9	16.8	16.8													
165	16.7	16.5	16.3	16.3	16.3													
170	14.7	14.7	14.6	14.6	14.7													
175	12.8	13.0	13.1	12.9	13.0													
180	12.1	12.2	12.5	12.4	12.4													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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: