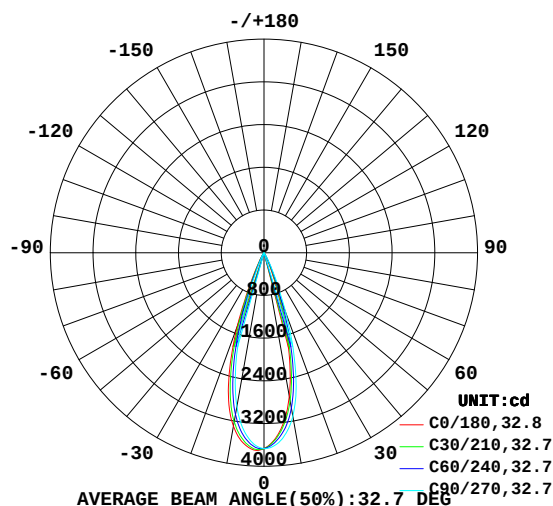


LUMINAIRE PHOTOMETRIC TEST REPORT

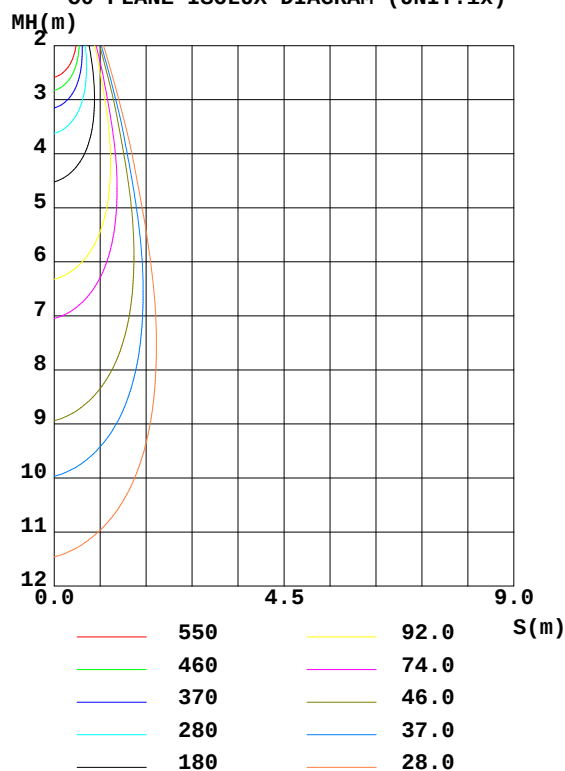
NAME: VM060-VF62RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 82.92 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3712	S/MH(C0/180)	0.55	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.49	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1116.2	η UP, DN(C0-180)	1.2, 51.1	
NOMINAL FLUX(lm)	1116.18	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 46.4	
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η down(%)	97.5	CIBSE SHR MAX	0.50	

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:

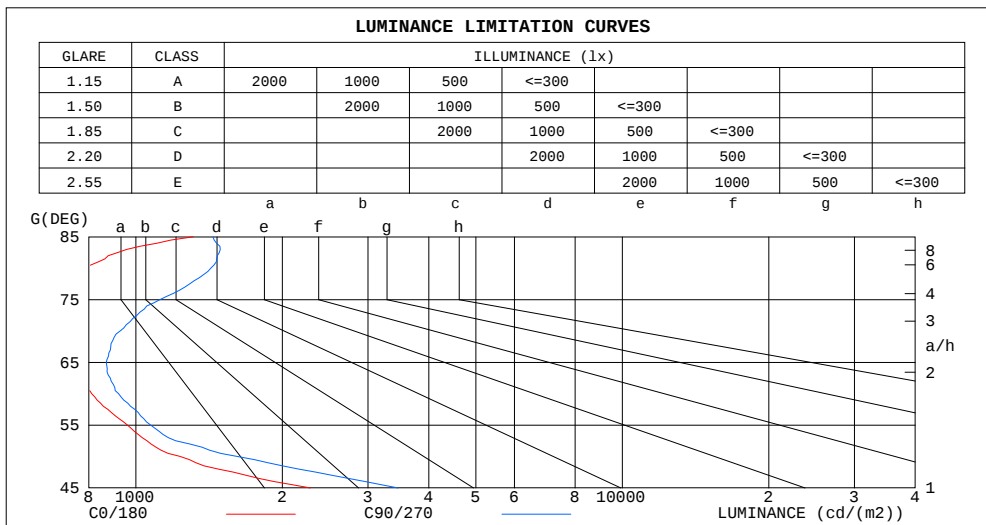
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2732	2899	3109	3310	3296	3129	2924	2725	0- 10	319.1	319.1	28.6, 28.6
20	654.1	899.1	1185	1479	1457	1157	842.8	614.6	10- 20	564.2	883.3	79.1, 79.1
30	57.40	76.13	110.0	156.4	137.2	98.60	72.12	54.47	20- 30	175.8	1059	94.9, 94.9
40	7.881	9.269	11.71	14.38	15.49	14.24	11.13	7.941	30- 40	22.93	1082	96.9, 96.9
50	1.588	1.742	2.086	2.453	2.450	2.033	1.705	1.534	40- 50	3.982	1086	97.3, 97.3
60	0.8133	0.8393	0.9260	0.9632	0.9662	0.9480	0.8673	0.7957	50- 60	1.130	1087	97.4, 97.4
70	0.4916	0.5574	0.6384	0.5893	0.5260	0.5379	0.4989	0.4655	60- 70	0.6812	1088	97.5, 97.5
80	0.2754	0.4074	0.4974	0.4274	0.2664	0.3306	0.3071	0.2816	70- 80	0.4651	1088	97.5, 97.5
90	0.2269	0.2340	0.2299	0.2348	0.2049	0.2129	0.2229	0.2047	80- 90	0.2818	1089	97.5, 97.5
100	0.2456	0.2601	0.2430	0.2629	0.2709	0.2314	0.2549	0.2378	90-100	0.2549	1089	97.6, 97.6
110	0.3039	0.3041	0.2671	0.2970	0.3217	0.2622	0.3006	0.2834	100-110	0.2811	1089	97.6, 97.6
120	0.9893	0.7700	0.5953	0.4901	0.6219	0.6844	0.8805	1.046	110-120	0.4442	1090	97.6, 97.6
130	4.173	3.738	2.988	2.567	2.646	3.148	3.750	4.345	120-130	1.632	1091	97.8, 97.8
140	10.06	8.999	8.130	7.339	7.770	8.258	9.150	9.977	130-140	4.530	1096	98.2, 98.2
150	15.25	14.63	14.01	13.34	13.54	14.15	14.97	15.47	140-150	7.278	1103	98.8, 98.8
160	16.85	16.53	16.69	17.10	17.83	17.07	17.15	16.63	150-160	7.424	1110	99.5, 99.5
170	12.98	13.24	14.21	14.67	14.83	14.46	13.92	13.01	160-170	4.498	1115	99.9, 99.9
180	12.36	12.53	12.34	12.55	12.38	12.53	12.35	12.54	170-180	1.245	1116	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-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1311	1441
80	791	1425
75	739	1121
70	717	929
65	747	869
60	812	922
55	961	1072
50	1233	1615
45	2282	3457

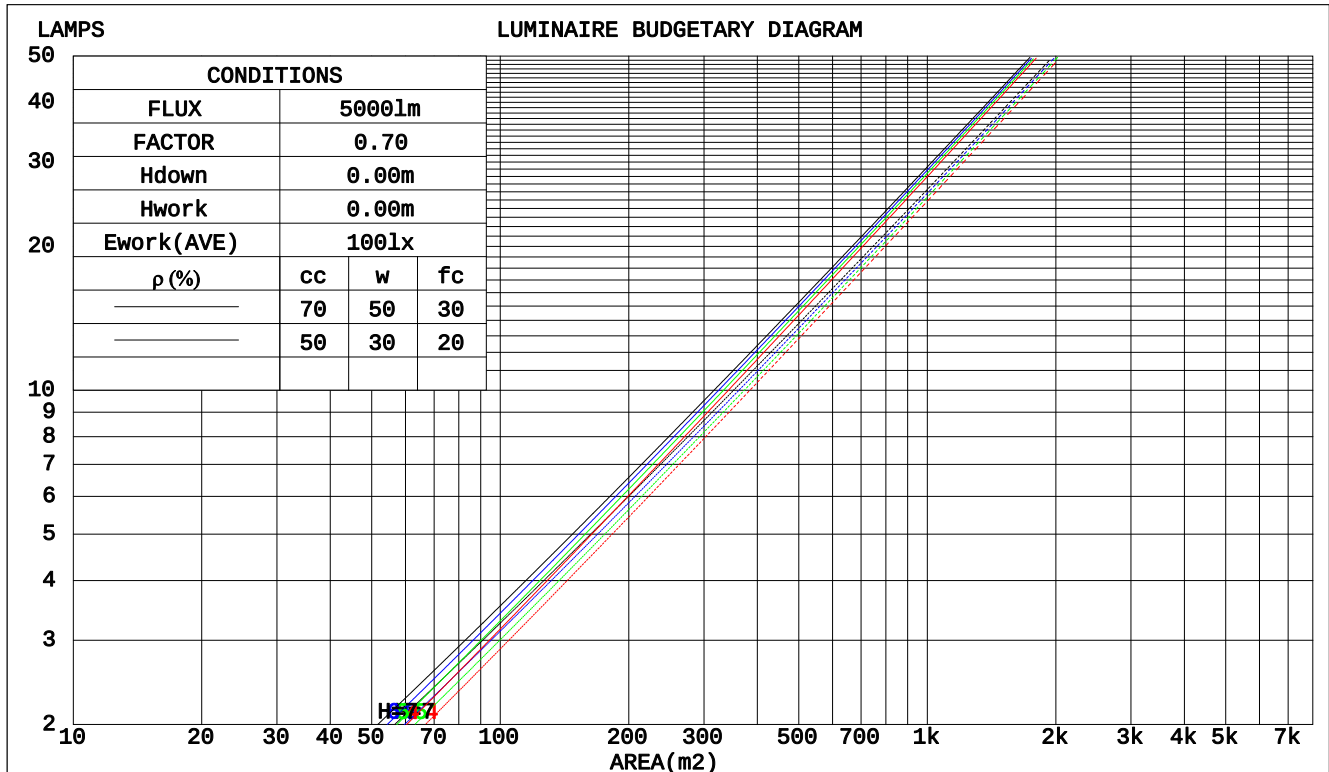
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	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	1.12	1.10	1.08	1.10	1.08	1.06	1.05	1.04	1.03	1.01	1.00	.99	.97	.97	.96	.94
2.0	1.07	1.04	1.01	1.05	1.02	.00	1.01	.99	.97	.98	.96	.95	.95	.94	.92	.91
3.0	1.02	.98	.95	1.00	.97	.94	.98	.95	.93	.95	.93	.91	.93	.91	.89	.88
4.0	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.89	.87	.90	.88	.86	.85
5.0	.94	.90	.87	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.82
6.0	.91	.86	.83	.90	.86	.83	.88	.85	.82	.87	.84	.81	.85	.83	.81	.80
7.0	.87	.83	.80	.87	.83	.80	.85	.82	.79	.84	.81	.79	.83	.80	.78	.77
8.0	.85	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
9.0	.82	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.79	.76	.74	.73
10.0	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.72	.76	.74	.71	.71



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:

WEC AND CCEC

NAME: VM060-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	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	.141	.080	.025	.134	.076	.024	.120	.069	.022	.107	.062	.020	.096	.055	.018		
2.0	.131	.072	.022	.125	.069	.021	.113	.063	.020	.102	.057	.018	.093	.052	.016		
3.0	.122	.065	.019	.117	.062	.019	.107	.058	.018	.098	.054	.016	.089	.050	.015		
4.0	.114	.059	.017	.110	.057	.017	.101	.054	.016	.094	.050	.015	.086	.047	.014		
5.0	.108	.055	.016	.104	.053	.016	.097	.050	.015	.090	.047	.014	.084	.045	.013		
6.0	.102	.051	.015	.099	.050	.014	.092	.047	.014	.087	.045	.013	.081	.043	.013		
7.0	.097	.048	.014	.094	.047	.013	.089	.045	.013	.083	.043	.012	.078	.041	.012		
8.0	.093	.045	.013	.090	.044	.013	.085	.043	.012	.080	.041	.012	.076	.039	.011		
9.0	.089	.043	.012	.086	.042	.012	.082	.040	.011	.078	.039	.011	.074	.037	.011		
10.0	.085	.041	.011	.083	.040	.011	.079	.039	.011	.075	.037	.011	.072	.036	.010		

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	.177	.167	.161	.152	.143	.110	.104	.099	.063	.060	.058	.020	.019	.019		
2.0	.170	.152	.137	.145	.131	.118	.100	.090	.082	.057	.053	.048	.018	.017	.016		
3.0	.155	.133	.114	.133	.114	.099	.091	.079	.070	.053	.046	.041	.017	.015	.013		
4.0	.143	.117	.098	.123	.101	.085	.084	.071	.060	.049	.041	.035	.016	.013	.012		
5.0	.133	.105	.085	.114	.091	.074	.078	.064	.052	.045	.037	.031	.015	.012	.010		
6.0	.124	.095	.075	.106	.082	.065	.073	.058	.046	.043	.034	.027	.014	.011	.009		
7.0	.116	.087	.067	.100	.076	.058	.069	.053	.041	.040	.031	.024	.013	.010	.008		
8.0	.110	.080	.060	.095	.070	.052	.066	.049	.037	.038	.029	.022	.012	.009	.007		
9.0	.105	.075	.055	.090	.065	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007		
10.0	.100	.070	.051	.086	.061	.044	.060	.043	.031	.035	.025	.019	.011	.008	.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-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	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	2.7	3.4	3.0	3.6	3.8	5.6	6.2	5.8	6.4	6.6
3H	2.7	3.3	3.0	3.6	3.8	5.5	6.1	5.8	6.3	6.6
4H	2.7	3.3	3.0	3.6	3.8	5.5	6.1	5.8	6.3	6.6
6H	2.7	3.3	3.1	3.6	3.8	5.5	6.1	5.9	6.4	6.6
8H	2.8	3.3	3.1	3.6	3.9	5.6	6.1	5.9	6.4	6.7
12H	2.8	3.3	3.1	3.6	3.9	5.6	6.1	5.9	6.4	6.7
4H 2H	2.6	3.2	2.9	3.4	3.7	5.4	5.9	5.7	6.2	6.4
3H	2.6	3.1	3.0	3.4	3.7	5.3	5.8	5.7	6.1	6.4
4H	2.7	3.1	3.1	3.5	3.8	5.3	5.8	5.7	6.1	6.5
6H	2.8	3.2	3.2	3.5	3.9	5.5	5.9	5.9	6.2	6.6
8H	2.8	3.2	3.2	3.6	4.0	5.5	5.9	6.0	6.3	6.7
12H	2.9	3.2	3.3	3.7	4.1	5.6	5.9	6.0	6.3	6.8
8H 4H	2.7	3.0	3.1	3.4	3.8	5.3	5.6	5.7	6.0	6.4
6H	2.8	3.2	3.3	3.6	4.1	5.4	5.8	5.9	6.2	6.7
8H	3.0	3.2	3.4	3.7	4.2	5.6	5.8	6.0	6.3	6.8
12H	3.1	3.4	3.6	3.9	4.4	5.6	5.9	6.2	6.4	6.9
12H 4H	2.6	3.0	3.1	3.4	3.8	5.2	5.6	5.7	6.0	6.4
6H	2.9	3.2	3.4	3.6	4.1	5.4	5.7	5.9	6.2	6.6
8H	3.0	3.3	3.5	3.7	4.3	5.6	5.8	6.1	6.3	6.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 2.5					+ 2.8 / - 2.8				
1.5H	+ 4.0 / - 2.4					+ 4.9 / - 2.7				
2.0H	+ 1.8 / - 0.6					+ 2.7 / - 0.6				

CIE Pub.117, 1116 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
 γ 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-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

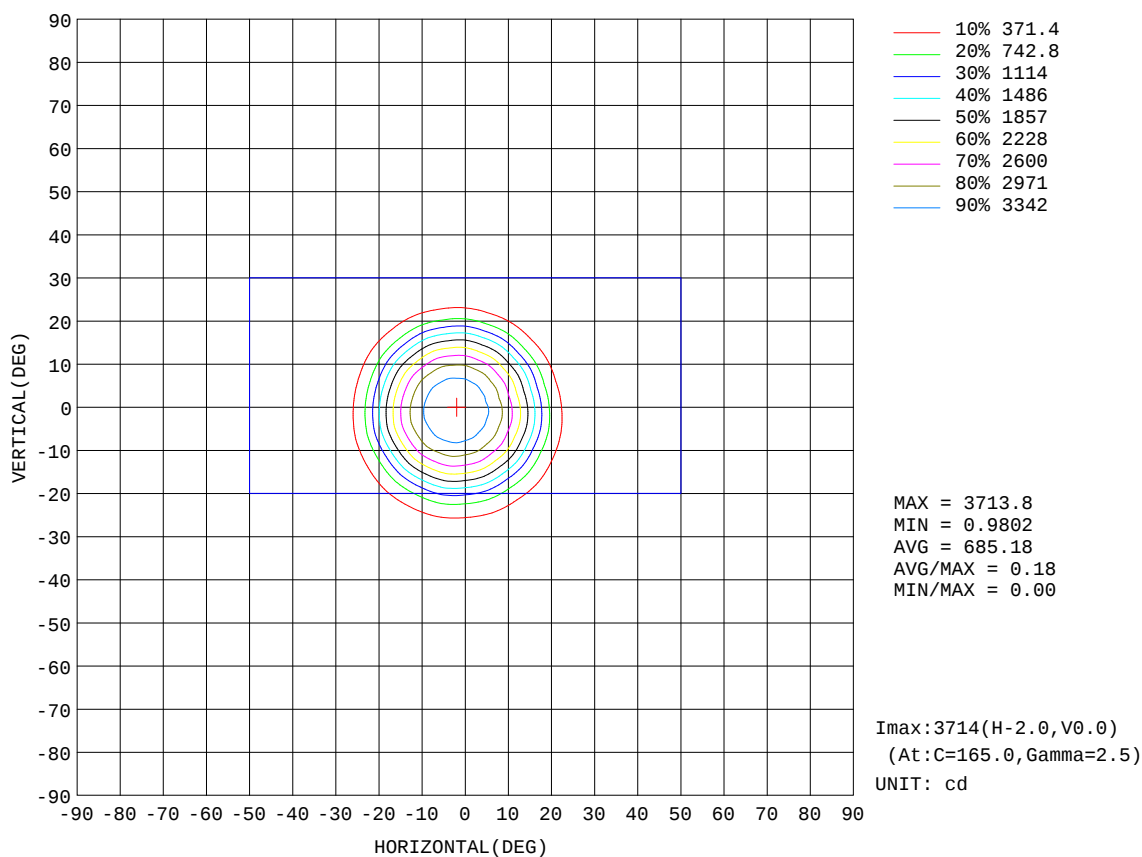
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	90	84	81	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	95	90	87	84
1.00	100	95	92	100	95	92	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	90
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	107	104	101	104	101	99	94
2.50	110	107	104	109	105	103	105	103	101	94
3.00	112	109	106	110	107	105	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	97
5.00	115	113	111	113	111	109	108	107	106	98
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-VF62RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

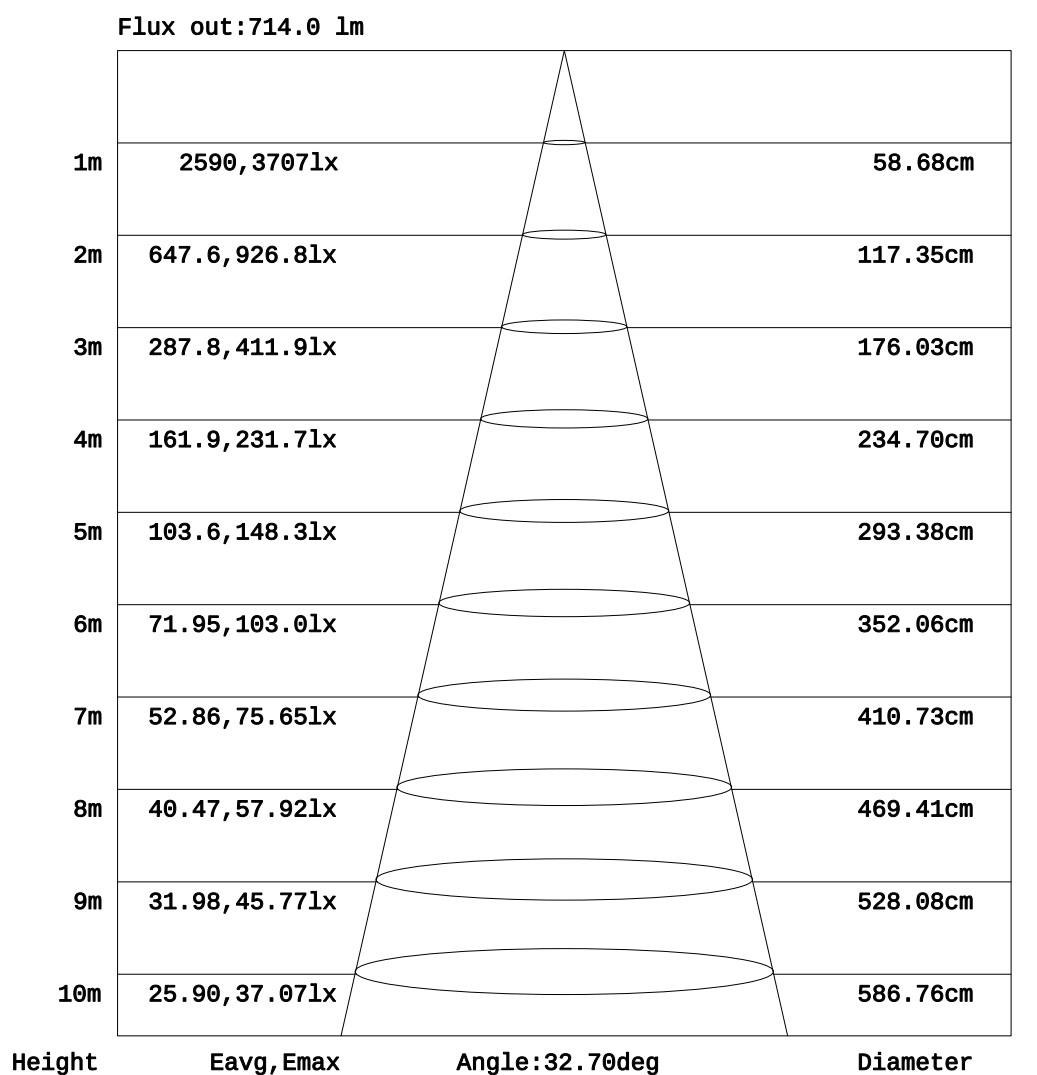


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



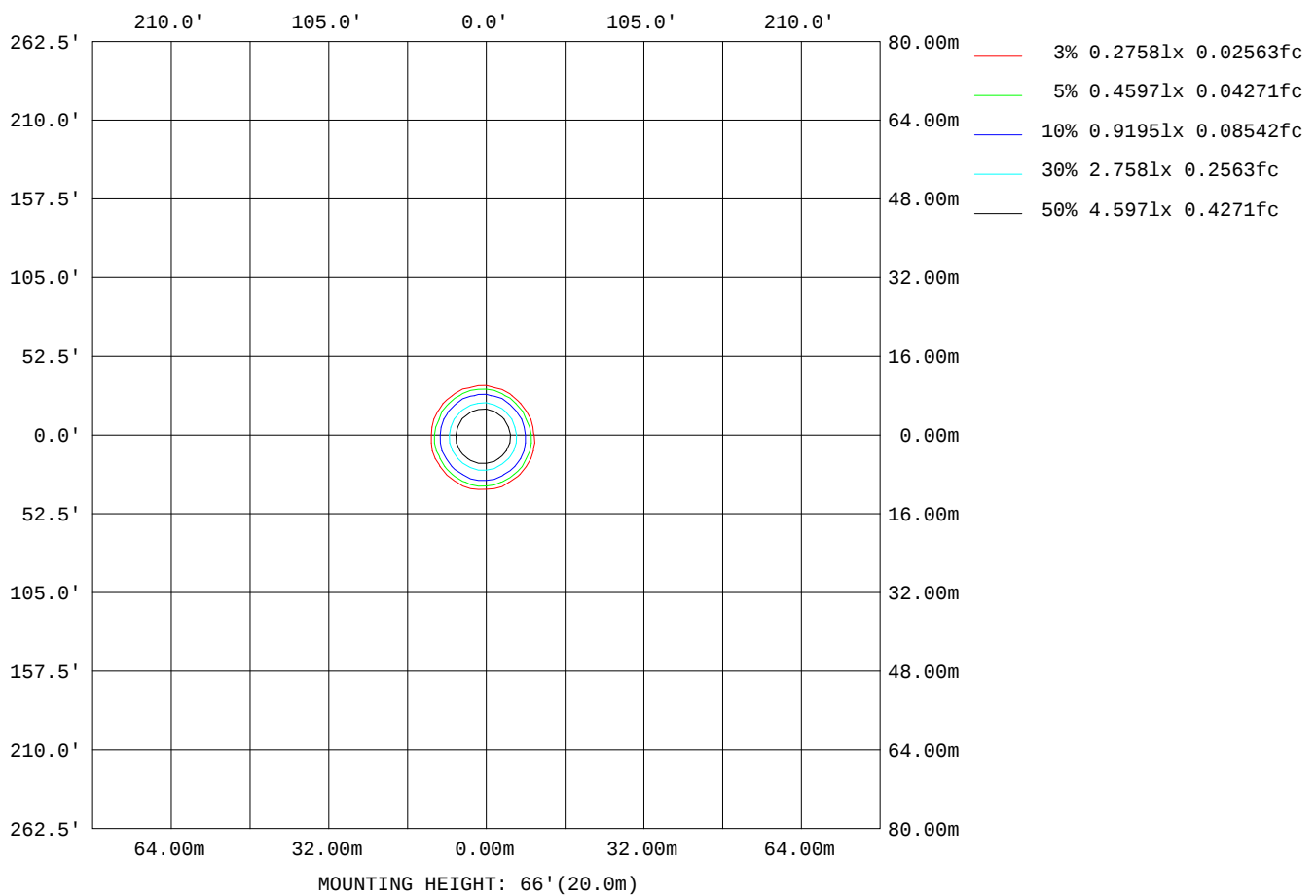
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF62RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
	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-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

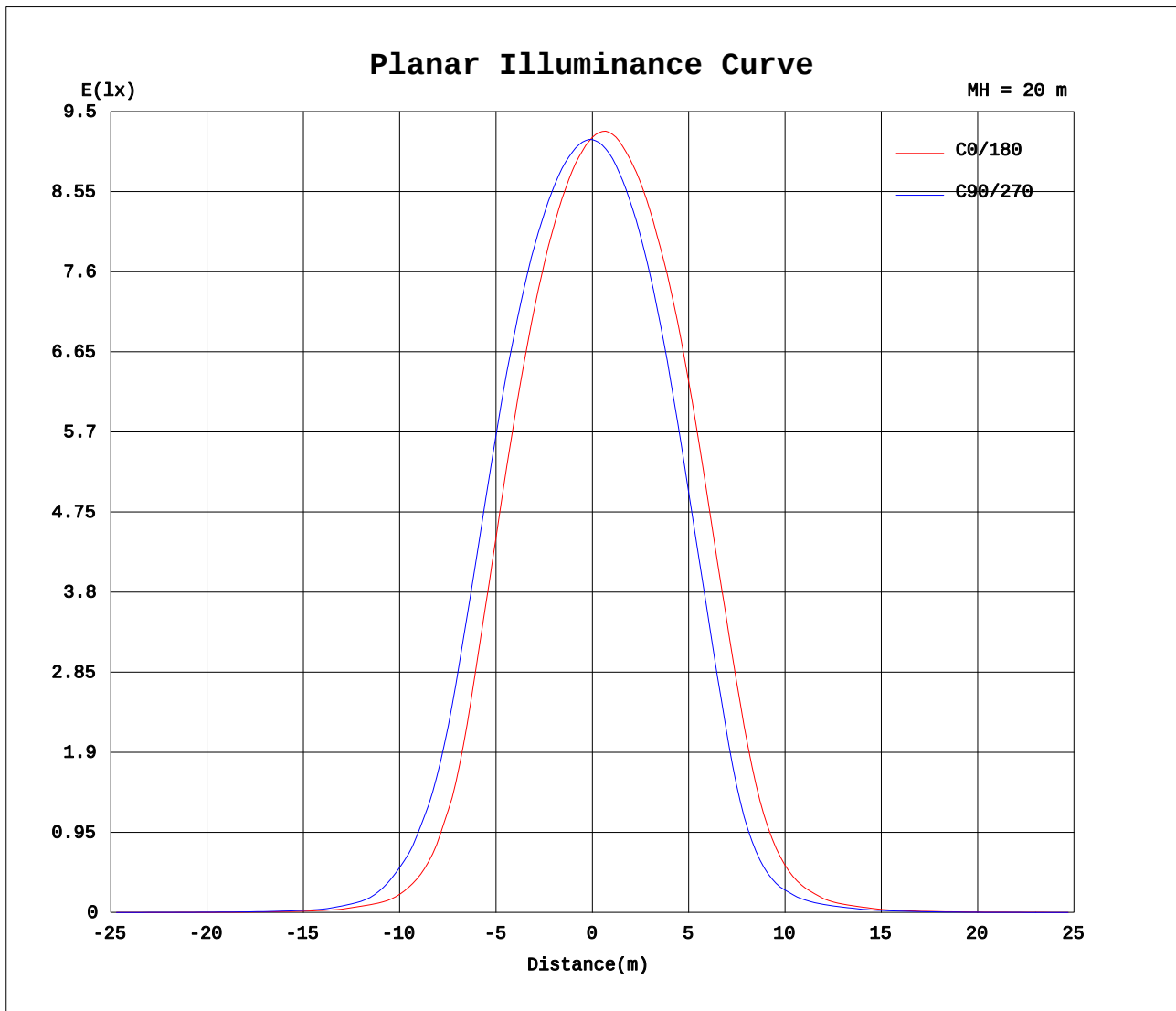
AvgL	cd/m2
L_0~180(65)av	786
L_0~180(75)av	735
L_0~180(85)av	1257
L_90~270(65)av	819
L_90~270(75)av	932
L_90~270(85)av	1376
L_45(65)av	797
L_45(75)av	853
L_45(85)av	1416

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-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	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	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667	3667
5	3364	3385	3394	3432	3455	3504	3537	3589	3608	3640	3645	3662	3640	3615	3603	3565	3539	3494	3471
10	2732	2790	2816	2899	2951	3055	3109	3203	3245	3310	3314	3343	3296	3243	3213	3129	3077	2978	2924
15	1728	1816	1857	1988	2056	2204	2289	2435	2492	2597	2604	2655	2577	2485	2430	2286	2205	2052	1980
20	654	740	789	899	960	1106	1185	1331	1376	1479	1481	1546	1457	1362	1311	1157	1077	915	843
25	184	226	255	301	329	389	423	483	501	525	524	527	472	434	397	332	293	240	215
30	57.4	63.2	68.0	76.1	83.1	100	110	140	137	156	142	152	137	121	118	98.6	90.3	78.4	72.1
35	18.6	19.5	20.1	22.5	24.1	27.3	29.9	36.2	39.6	45.3	46.2	48.9	47.7	44.8	43.5	39.3	37.3	32.2	28.9
40	7.88	8.05	8.23	9.27	9.82	11.0	11.7	12.7	13.1	14.4	14.7	15.5	15.5	14.7	15.0	14.2	13.7	12.2	11.1
45	3.23	3.37	3.45	3.87	4.09	4.60	4.91	5.28	5.45	5.99	6.16	6.49	6.34	5.80	5.79	5.43	5.17	4.57	4.25
50	1.59	1.64	1.65	1.74	1.79	1.95	2.09	2.27	2.30	2.45	2.46	2.57	2.45	2.26	2.21	2.03	1.94	1.79	1.71
55	1.10	1.10	1.12	1.14	1.17	1.19	1.24	1.27	1.30	1.33	1.35	1.36	1.35	1.32	1.32	1.31	1.27	1.23	1.18
60	0.81	0.81	0.84	0.84	0.87	0.88	0.93	0.93	0.96	0.96	0.98	0.99	0.97	0.96	0.94	0.95	0.92	0.90	0.87
65	0.63	0.63	0.67	0.67	0.71	0.70	0.74	0.73	0.75	0.73	0.74	0.73	0.70	0.71	0.69	0.71	0.69	0.68	0.65
70	0.49	0.52	0.55	0.56	0.61	0.60	0.64	0.62	0.62	0.59	0.59	0.56	0.53	0.53	0.52	0.54	0.52	0.52	0.50
75	0.38	0.40	0.47	0.49	0.54	0.55	0.58	0.55	0.55	0.50	0.48	0.43	0.38	0.40	0.40	0.42	0.40	0.41	0.39
80	0.28	0.28	0.38	0.41	0.45	0.46	0.50	0.50	0.49	0.43	0.37	0.31	0.27	0.30	0.31	0.33	0.31	0.33	0.31
85	0.23	0.23	0.23	0.22	0.23	0.22	0.25	0.28	0.31	0.30	0.28	0.23	0.21	0.23	0.24	0.26	0.23	0.25	0.23
90	0.23	0.23	0.23	0.23	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.20	0.21	0.21	0.21	0.21	0.21	0.22
95	0.23	0.25	0.24	0.25	0.24	0.24	0.23	0.24	0.23	0.25	0.24	0.24	0.24	0.21	0.23	0.22	0.23	0.22	0.24
100	0.25	0.26	0.25	0.26	0.25	0.25	0.24	0.25	0.24	0.26	0.26	0.26	0.27	0.24	0.25	0.23	0.25	0.24	0.25
105	0.26	0.32	0.28	0.27	0.25	0.26	0.25	0.26	0.24	0.27	0.28	0.30	0.29	0.25	0.26	0.24	0.26	0.24	0.26
110	0.30	0.39	0.34	0.30	0.27	0.28	0.27	0.28	0.26	0.30	0.32	0.34	0.32	0.27	0.28	0.26	0.28	0.27	0.30
115	0.46	0.57	0.51	0.39	0.37	0.36	0.33	0.34	0.30	0.34	0.39	0.41	0.39	0.34	0.36	0.34	0.39	0.40	0.44
120	0.99	1.12	1.02	0.77	0.73	0.64	0.60	0.56	0.52	0.49	0.58	0.62	0.62	0.61	0.64	0.68	0.75	0.83	0.88
125	2.20	2.34	1.99	1.81	1.75	1.51	1.42	1.28	1.23	1.11	1.13	1.18	1.26	1.35	1.39	1.56	1.67	1.86	1.95
130	4.17	3.96	3.89	3.74	3.50	3.16	2.99	2.81	2.71	2.57	2.48	2.43	2.65	2.79	2.91	3.15	3.31	3.59	3.75
135	6.85	6.62	6.71	6.31	5.99	5.52	5.30	5.06	4.98	4.77	4.76	4.56	4.80	5.00	5.14	5.46	5.66	6.03	6.22
140	10.1	10.2	9.95	9.00	8.78	8.36	8.13	7.87	7.61	7.34	7.64	7.60	7.77	7.83	7.93	8.26	8.51	8.93	9.15
145	13.2	13.3	12.5	12.0	11.8	11.4	11.2	10.8	10.6	10.4	10.4	10.9	11.0	10.8	10.9	11.3	11.5	12.0	12.2
150	15.3	15.0	14.9	14.6	14.5	14.2	14.0	13.7	13.6	13.3	13.3	13.3	13.5	13.7	13.9	14.2	14.4	14.7	15.0
155	16.5	16.9	16.4	16.3	16.3	16.1	16.1	15.9	16.3	15.7	15.7	16.1	15.9	16.0	16.1	16.2	16.4	16.6	16.7
160	16.8	17.2	16.2	16.5	16.6	16.6	16.7	16.8	17.2	17.1	16.7	18.0	17.8	16.8	16.9	17.1	17.1	17.2	17.1
165	14.9	15.3	14.9	15.2	15.5	15.9	16.1	16.3	16.3	16.3	16.3	17.2	16.8	16.3	16.5	16.4	16.1	16.3	16.1
170	13.0	13.0	13.1	13.2	13.5	13.9	14.2	14.5	14.5	14.7	14.8	14.8	14.8	14.7	14.7	14.5	14.3	14.1	13.9
175	11.9	11.9	12.0	12.3	12.4	12.5	12.6	12.8	13.0	13.2	13.3	13.2	13.2	13.2	13.3	13.2	13.0	12.7	12.5
180	12.4	12.3	12.4	12.5	12.4	12.3	12.3	12.3	12.3	12.6	12.4	12.3	12.4	12.3	12.4	12.5	12.4	12.3	12.4

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM060-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	3667	3667	3667	3667	3667													
5	3430	3410	3373	3367	3348													
10	2834	2797	2725	2718	2684													
15	1846	1801	1705	1701	1655													
20	720	680	615	607	598													
25	183	170	151	159	156													
30	64.1	59.4	54.5	53.9	52.6													
35	23.8	21.7	19.5	18.6	17.4													
40	9.39	8.66	7.94	7.77	7.39													
45	3.67	3.44	3.17	3.13	3.02													
50	1.60	1.56	1.53	1.53	1.50													
55	1.14	1.10	1.08	1.06	1.06													
60	0.85	0.80	0.80	0.76	0.78													
65	0.65	0.61	0.61	0.57	0.58													
70	0.50	0.46	0.47	0.43	0.44													
75	0.40	0.36	0.37	0.33	0.33													
80	0.32	0.28	0.28	0.24	0.24													
85	0.23	0.22	0.21	0.20	0.20													
90	0.22	0.22	0.20	0.22	0.20													
95	0.23	0.24	0.23	0.24	0.22													
100	0.24	0.25	0.24	0.25	0.24													
105	0.24	0.26	0.24	0.26	0.25													
110	0.28	0.30	0.28	0.31	0.30													
115	0.45	0.47	0.46	0.48	0.48													
120	0.97	0.99	1.05	1.03	1.08													
125	2.11	2.19	2.30	2.31	2.37													
130	4.03	4.12	4.34	4.34	4.41													
135	6.58	6.72	7.01	7.02	7.13													
140	9.55	9.71	9.98	10.00	10.2													
145	12.6	12.7	13.0	13.0	13.1													
150	15.2	15.3	15.5	15.5	15.5													
155	16.9	16.8	16.8	16.7	16.7													
160	17.2	16.8	16.6	16.4	16.2													
165	15.9	15.4	15.0	15.1	14.8													
170	13.6	13.3	13.0	12.9	12.9													
175	12.4	12.4	12.3	11.9	11.8													
180	12.3	12.3	12.5	12.4	12.3													

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: