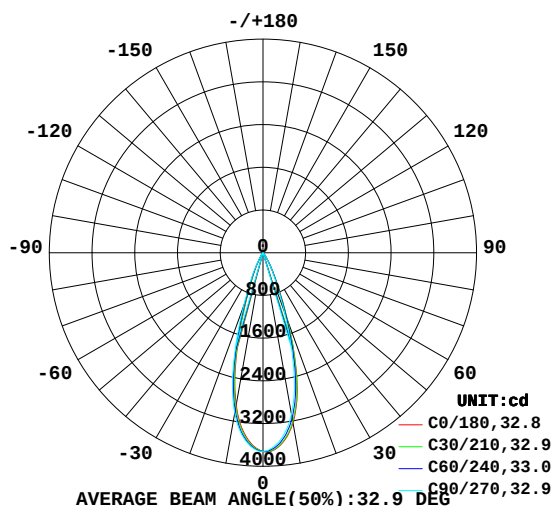


LUMINAIRE PHOTOMETRIC TEST REPORT

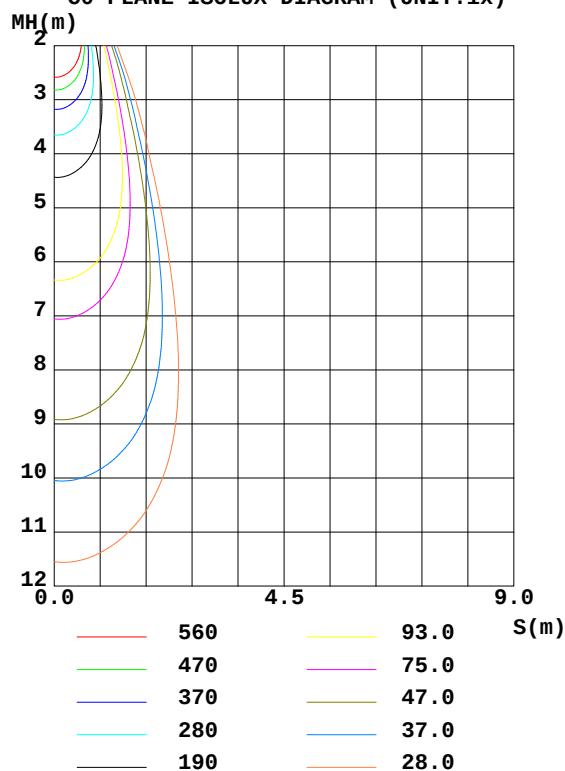
NAME: VM060-VF62RF02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.78 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3732	S/MH(C0/180)	0.48
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1276.4	η UP, DN(C0-180)	1.2, 51.1
NOMINAL FLUX(lm)	1276.37	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 46.5
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.6	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: 2021-08-10

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:

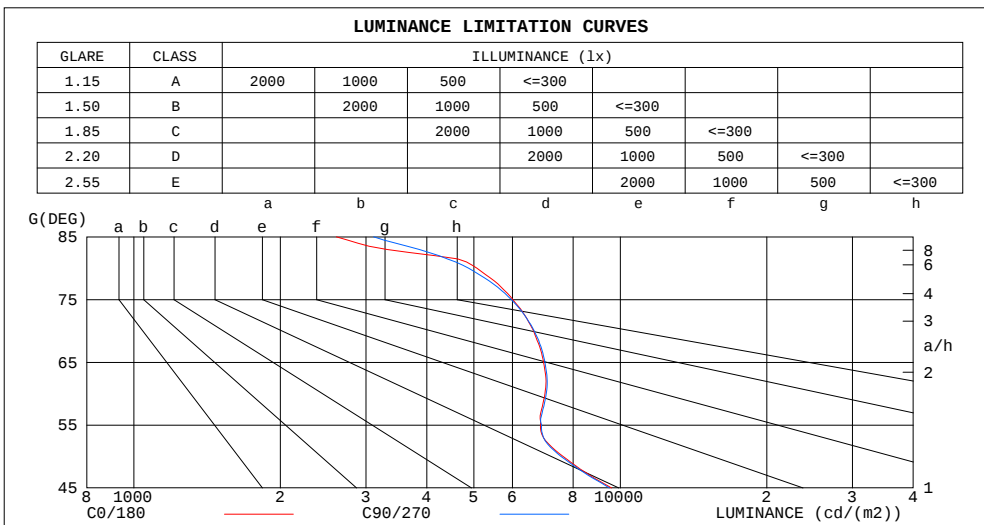
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3233	3199	3072	3008	2895	2946	3049	3108	0- 10	323.7	323.7	25.4, 25.4
20	1347	1349	1179	1073	868.5	904.0	1065	1169	10- 20	576.6	900.3	70.5, 70.5
30	244.7	268.5	233.2	192.9	141.3	135.2	164.2	187.2	20- 30	239.4	1140	89.3, 89.3
40	49.56	50.10	44.76	38.66	31.91	31.54	36.90	39.88	30- 40	57.08	1197	93.8, 93.8
50	18.26	18.58	18.15	17.17	16.01	15.73	16.26	16.64	40- 50	18.90	1216	95.2, 95.2
60	13.03	13.27	13.16	12.77	12.21	11.91	12.07	12.26	50- 60	12.84	1229	96.3, 96.3
70	8.450	8.723	8.505	8.131	7.380	7.095	7.314	7.538	60- 70	10.23	1239	97.1, 97.1
80	3.281	3.407	3.166	2.958	2.276	2.280	2.468	2.634	70- 80	5.544	1244	97.5, 97.5
90	0.3306	0.3179	0.3361	0.3323	0.3127	0.3036	0.3161	0.2920	80- 90	1.162	1246	97.6, 97.6
100	0.3697	0.3798	0.3757	0.3915	0.4053	0.3796	0.4001	0.3670	90-100	0.3751	1246	97.6, 97.6
110	0.4863	0.4925	0.4904	0.5200	0.5883	0.5759	0.5771	0.5196	100-110	0.4658	1246	97.6, 97.6
120	1.046	1.047	1.159	1.246	1.481	1.497	1.376	1.251	110-120	0.7866	1247	97.7, 97.7
130	3.524	3.574	3.940	4.167	4.755	4.696	4.349	4.037	120-130	2.172	1249	97.9, 97.9
140	8.741	8.813	9.348	9.681	10.44	10.34	9.820	9.399	130-140	5.122	1254	98.3, 98.3
150	14.74	14.76	15.24	15.54	16.26	16.11	15.73	15.28	140-150	7.842	1262	98.9, 98.9
160	17.58	17.67	17.80	17.90	17.91	18.06	18.10	17.78	150-160	7.882	1270	99.5, 99.5
170	15.69	15.38	15.42	15.31	15.40	15.43	15.50	15.34	160-170	4.830	1275	99.9, 99.9
180	14.18	14.28	13.91	14.22	14.20	14.28	13.92	14.22	170-180	1.396	1276	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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2607	3111
80	5072	4875
75	6012	5972
70	6633	6651
65	6950	6998
60	6997	7041
55	6853	6886
50	7626	7552
45	9589	9494

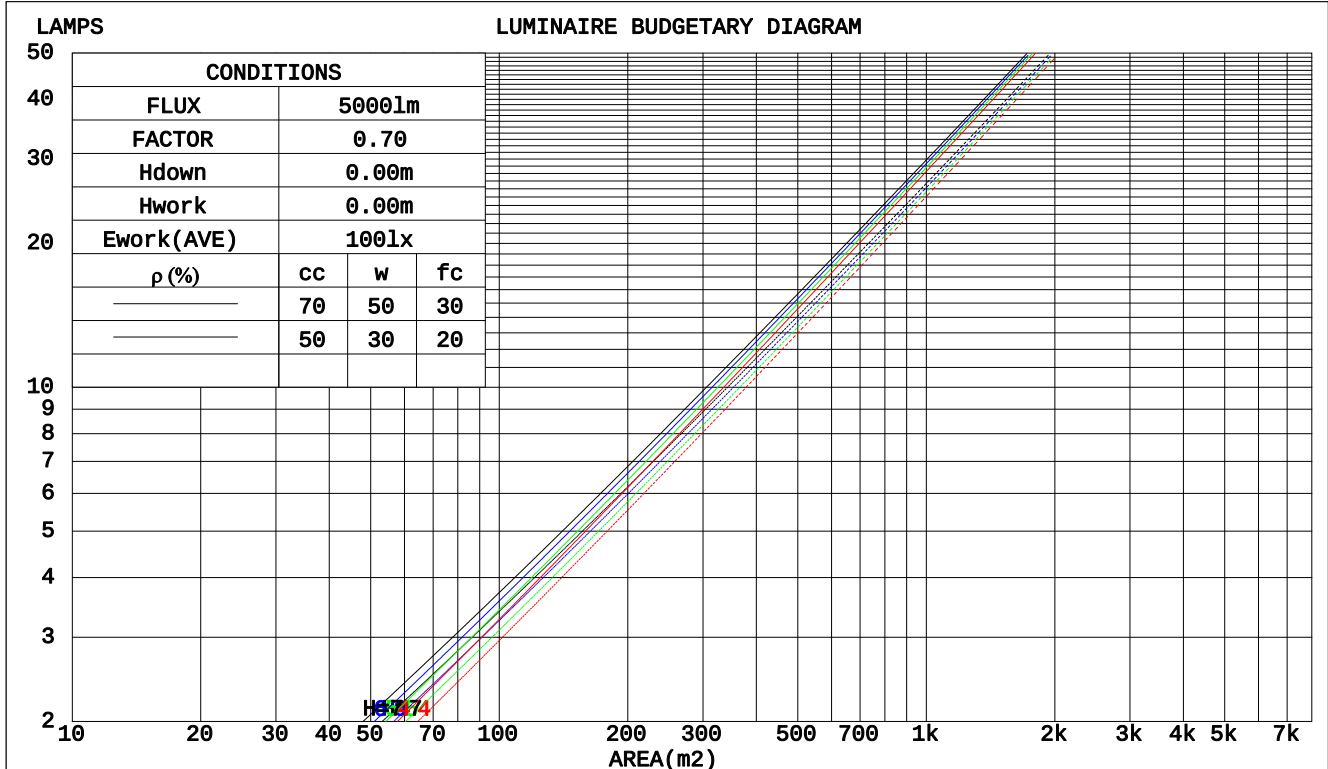
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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: VM060-VF62RF02-15W	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.99	.98	.97	.96	.95	.93
2.0	1.05	1.02	.99	1.03	1.00	.98	.00	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	1.00	.96	.93	.98	.95	.92	.96	.93	.90	.93	.90	.88	.91	.88	.87	.85
4.0	.95	.91	.87	.94	.90	.87	.92	.88	.86	.90	.87	.84	.88	.85	.83	.82
5.0	.91	.87	.83	.90	.86	.83	.88	.85	.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	.79	.76	.74	.73
8.0	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.75	.72	.77	.74	.72	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.73	.70	.76	.72	.69	.75	.71	.69	.68
10.0	.75	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.72	.69	.67	.66



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-CRI90-24D	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	.154	.088	.028	.146	.084	.027	.133	.076	.024	.120	.069	.022	.108	.063	.020		
2.0	.143	.079	.024	.137	.076	.023	.126	.070	.022	.115	.064	.020	.105	.059	.019		
3.0	.134	.071	.021	.129	.069	.021	.119	.064	.020	.110	.060	.018	.101	.056	.017		
4.0	.126	.065	.019	.121	.063	.019	.113	.060	.018	.105	.056	.017	.097	.053	.016		
5.0	.118	.060	.017	.115	.059	.017	.107	.056	.016	.100	.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	.053	.015	.103	.052	.015	.098	.049	.014	.092	.047	.014	.087	.045	.013		
8.0	.101	.050	.014	.099	.049	.014	.094	.047	.013	.089	.045	.013	.084	.043	.013		
9.0	.097	.047	.013	.095	.046	.013	.090	.044	.013	.086	.043	.012	.082	.041	.012		
10.0	.093	.044	.012	.091	.044	.012	.087	.042	.012	.083	.041	.012	.079	.040	.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	.019	
2.0	.171	.151	.135	.147	.130	.116	.100	.090	.081	.058	.052	.048	.019	.017	.016	
3.0	.157	.132	.112	.135	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
4.0	.145	.117	.096	.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	.120	.087	.065	.103	.076	.057	.071	.053	.040	.041	.031	.024	.013	.010	.008	
8.0	.113	.081	.059	.098	.070	.051	.067	.049	.036	.039	.029	.022	.013	.010	.007	
9.0	.108	.075	.053	.093	.065	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
10.0	.103	.071	.049	.089	.061	.043	.062	.043	.031	.036	.026	.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-CRI90-24D						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		12.3	13.0	12.6	13.2	13.4	12.2	12.9	12.5	13.1	13.3
3H		13.1	13.8	13.4	14.0	14.3	13.1	13.7	13.3	14.0	14.2
4H		13.5	14.1	13.8	14.4	14.6	13.4	14.0	13.7	14.3	14.6
6H		13.7	14.3	14.1	14.6	14.9	13.6	14.2	13.9	14.5	14.8
8H		13.8	14.4	14.1	14.7	15.0	13.7	14.2	14.0	14.5	14.8
12H		13.8	14.3	14.1	14.7	15.0	13.7	14.2	14.0	14.5	14.8
4H	2H	12.6	13.2	12.9	13.4	13.7	12.5	13.1	12.8	13.4	13.6
	3H	13.6	14.2	13.9	14.5	14.8	13.5	14.1	13.9	14.4	14.7
	4H	14.1	14.6	14.5	14.9	15.3	14.0	14.5	14.3	14.8	15.1
	6H	14.4	14.9	14.8	15.3	15.6	14.2	14.7	14.7	15.1	15.5
	8H	14.5	14.9	14.9	15.3	15.7	14.3	14.7	14.7	15.1	15.5
	12H	14.5	14.9	15.0	15.3	15.8	14.3	14.7	14.8	15.1	15.6
8H	4H	14.2	14.6	14.6	15.0	15.4	14.1	14.5	14.5	14.9	15.3
	6H	14.7	15.0	15.1	15.4	15.9	14.4	14.8	14.9	15.2	15.7
	8H	14.8	15.1	15.3	15.6	16.1	14.5	14.8	15.0	15.3	15.8
	12H	14.8	15.1	15.4	15.6	16.1	14.6	14.8	15.1	15.3	15.8
12H	4H	14.2	14.6	14.6	15.0	15.4	14.1	14.5	14.5	14.9	15.3
	6H	14.7	15.0	15.1	15.4	15.9	14.4	14.7	14.9	15.2	15.7
	8H	14.8	15.1	15.3	15.6	16.1	14.5	14.8	15.1	15.3	15.8
Variations with the observer position at spacings:											
S = 1.0H		+ 0.7 / - 0.8					+ 0.8 / - 0.8				
1.5H		+ 1.7 / - 0.7					+ 1.7 / - 0.8				
2.0H		+ 0.4 / - 0.3					+ 0.4 / - 0.3				

CIE Pub.117, 1276 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.8$)

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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

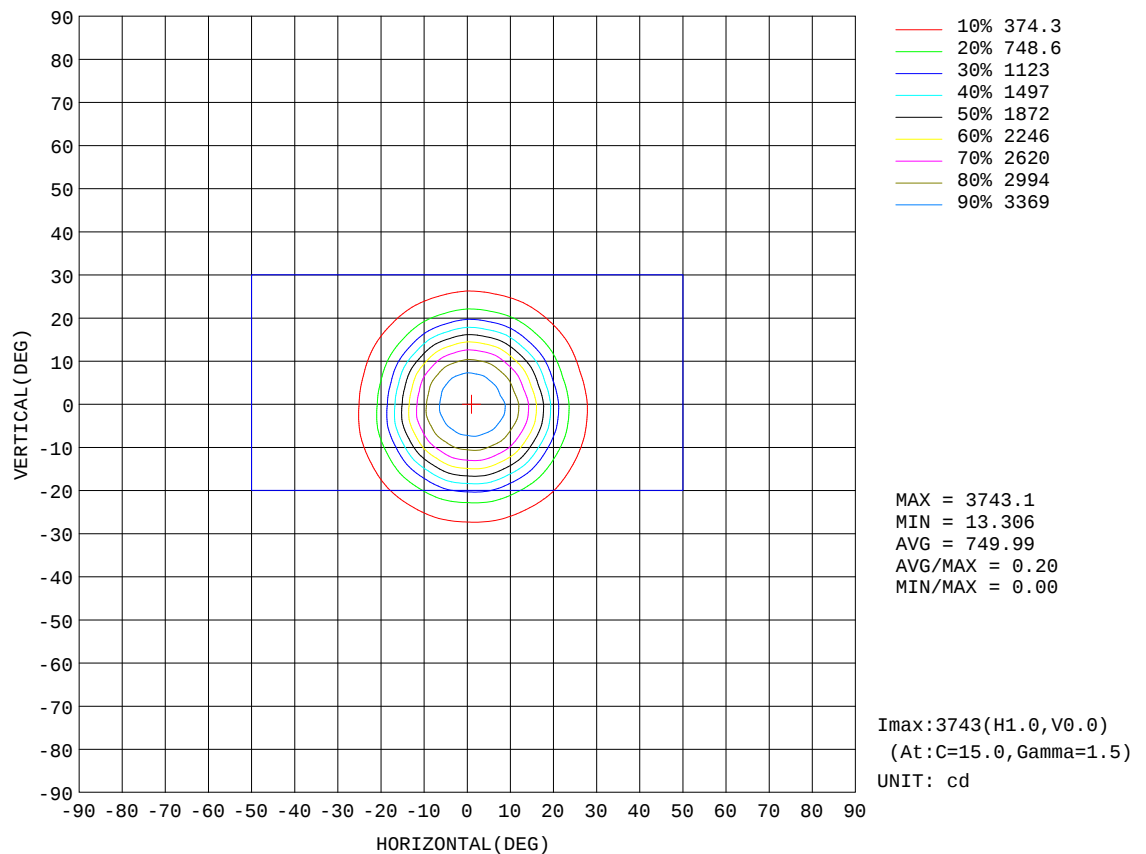
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	88	82	78	87	81	78	86	81	78	74
0.80	95	89	86	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	96	93	89	85
1.25	103	98	94	102	97	94	99	96	93	88
1.50	105	101	97	104	100	97	101	98	96	91
2.00	108	104	101	106	103	100	103	100	98	92
2.50	110	106	103	108	104	102	104	102	100	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	110	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	106	105	97
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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

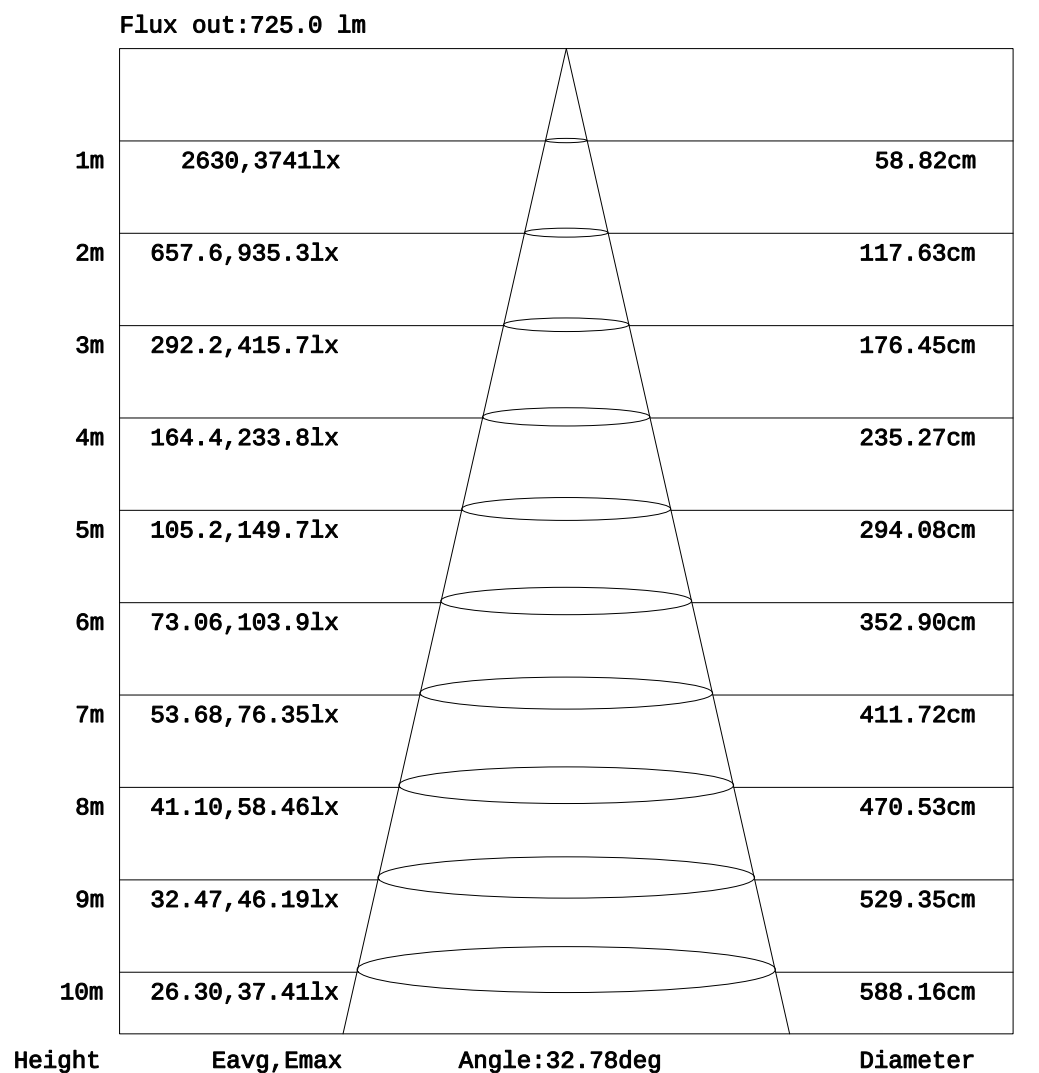


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-10

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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



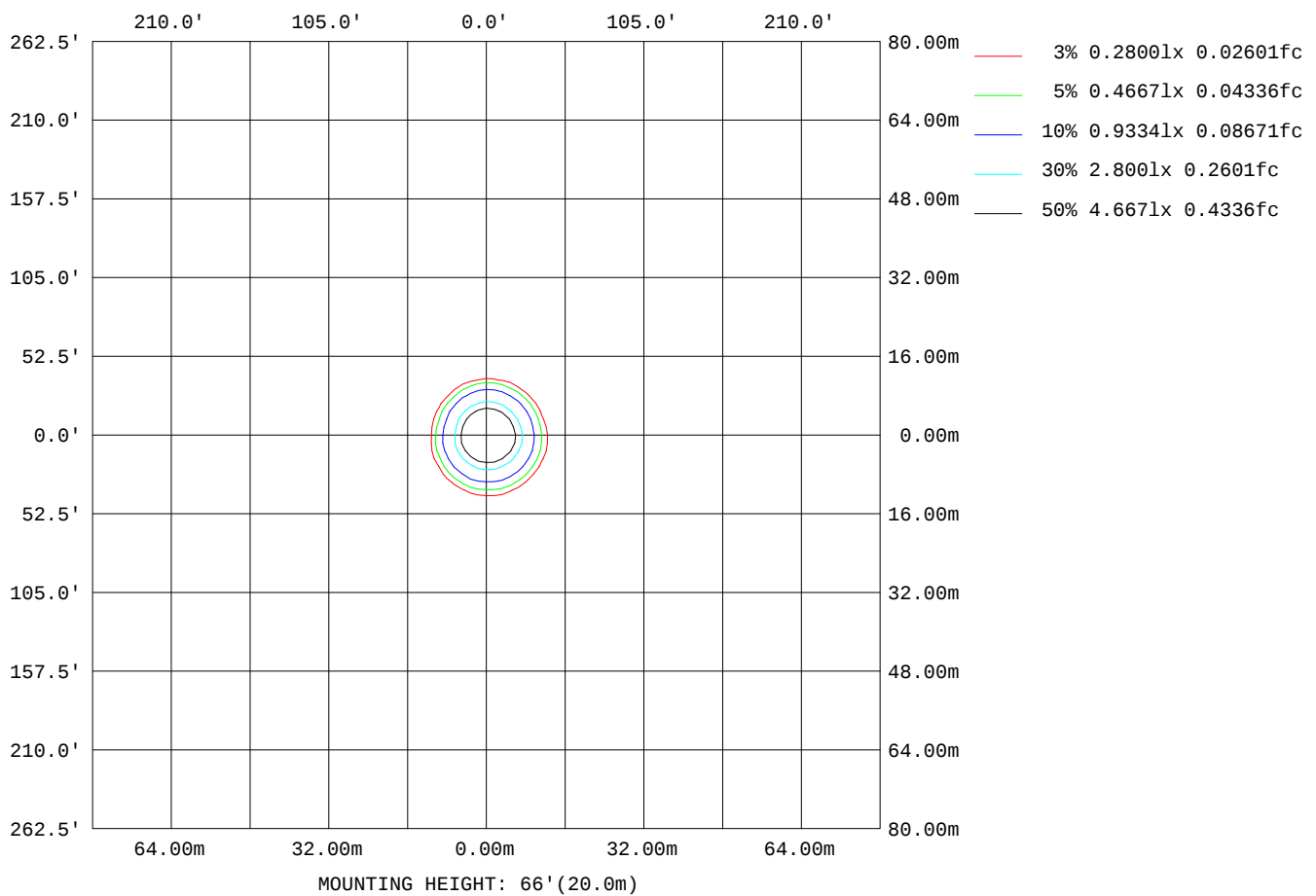
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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:

LED Avg.L Report

NAME: VM060-VF62RF02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

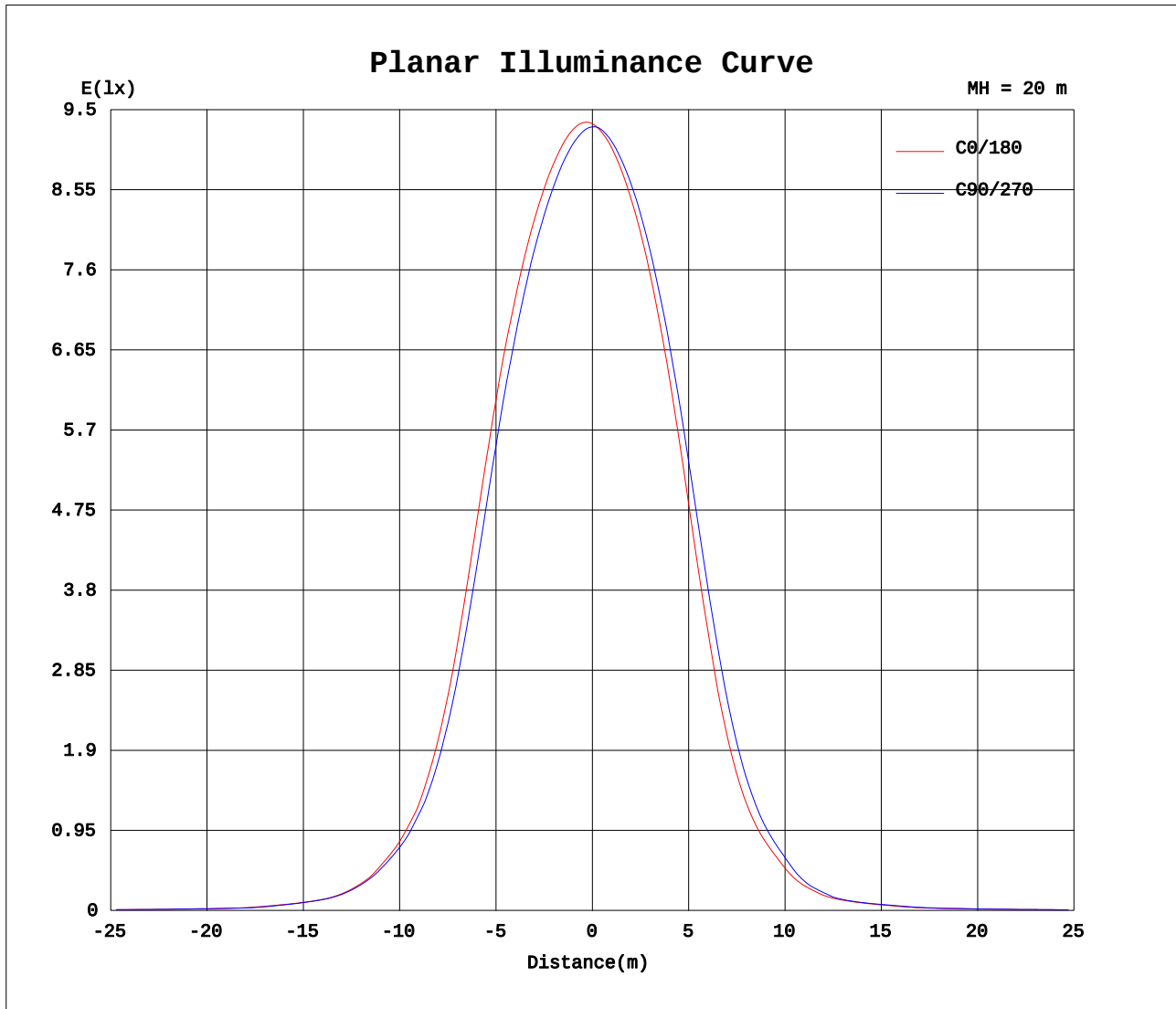
AvgL	cd/m2
L_0~180(65)av	6606
L_0~180(75)av	5476
L_0~180(85)av	2188
L_90~270(65)av	6611
L_90~270(75)av	5472
L_90~270(85)av	2600
L_45(65)av	6576
L_45(75)av	5446
L_45(85)av	2599

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-CRI90-24D	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	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721	3721
5	3626	3635	3614	3612	3583	3570	3541	3538	3514	3516	3500	3510	3480	3480	3504	3510	3535	3532	3553
10	3233	3253	3208	3199	3142	3129	3072	3059	3008	3008	2966	2976	2895	2884	2935	2946	3001	3002	3049
15	2457	2495	2435	2425	2335	2313	2226	2206	2120	2107	2025	2018	1886	1861	1932	1945	2033	2043	2128
20	1347	1398	1337	1349	1267	1255	1179	1168	1094	1073	991	972	869	841	894	904	976	991	1065
25	590	613	598	599	576	563	536	523	492	476	434	420	378	369	388	395	423	431	461
30	245	262	259	269	253	251	233	227	205	193	169	161	141	130	139	135	150	146	164
35	96.4	102	103	106	102	100	94.9	92.0	88.0	84.2	76.2	72.6	66.4	64.5	65.3	65.3	66.8	66.8	69.7
40	49.6	51.8	50.1	50.1	47.9	48.0	44.8	43.7	40.0	38.7	35.8	35.2	31.9	31.1	31.7	31.5	33.9	34.6	36.9
45	25.3	25.7	25.3	25.2	25.2	25.5	25.1	24.8	23.8	23.1	22.5	22.2	21.5	21.2	21.5	21.3	22.0	22.2	22.9
50	18.3	18.6	18.5	18.6	18.4	18.5	18.2	18.0	17.4	17.2	16.7	16.4	16.0	15.7	15.8	15.7	16.0	16.0	16.3
55	14.6	14.8	14.8	14.9	14.9	14.9	14.8	14.7	14.4	14.3	14.0	13.9	13.8	13.6	13.6	13.5	13.6	13.5	13.6
60	13.0	13.2	13.2	13.3	13.3	13.3	13.2	13.1	12.9	12.8	12.5	12.4	12.2	12.0	12.0	11.9	12.0	12.0	12.1
65	10.9	11.2	11.1	11.2	11.1	11.2	11.1	11.0	10.8	10.6	10.4	10.2	9.93	9.70	9.71	9.61	9.72	9.66	9.83
70	8.45	8.66	8.60	8.72	8.33	8.61	8.51	8.49	8.21	8.13	7.82	7.72	7.38	7.16	7.20	7.10	7.21	7.15	7.31
75	5.80	5.99	5.92	6.02	5.23	5.63	5.78	5.77	5.52	5.46	5.20	5.13	4.80	4.62	4.69	4.59	4.70	4.65	4.81
80	3.28	3.43	3.35	3.41	2.48	2.98	3.17	3.16	2.97	2.96	2.74	2.70	2.28	1.93	2.33	2.28	2.38	2.34	2.47
85	0.85	1.20	1.14	1.16	0.78	0.98	1.01	1.01	0.91	0.90	0.80	0.78	0.58	0.48	0.60	0.57	0.62	0.61	0.68
90	0.33	0.32	0.33	0.32	0.33	0.33	0.34	0.33	0.34	0.33	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.30	0.32
95	0.34	0.35	0.33	0.35	0.33	0.35	0.34	0.35	0.34	0.35	0.34	0.36	0.36	0.34	0.35	0.34	0.35	0.34	0.35
100	0.37	0.39	0.36	0.38	0.37	0.39	0.38	0.39	0.38	0.39	0.38	0.39	0.38	0.39	0.41	0.39	0.40	0.38	0.40
105	0.41	0.43	0.41	0.42	0.41	0.43	0.42	0.43	0.41	0.44	0.42	0.45	0.47	0.45	0.46	0.44	0.46	0.44	0.46
110	0.49	0.50	0.48	0.49	0.48	0.50	0.49	0.51	0.50	0.52	0.52	0.54	0.59	0.58	0.59	0.58	0.58	0.57	0.58
115	0.65	0.65	0.64	0.65	0.66	0.67	0.69	0.71	0.72	0.73	0.75	0.77	0.86	0.87	0.86	0.86	0.85	0.84	0.82
120	1.05	1.02	1.04	1.05	1.09	1.10	1.16	1.17	1.23	1.25	1.30	1.31	1.48	1.53	1.48	1.50	1.44	1.44	1.38
125	1.92	1.86	1.93	1.93	2.04	2.07	2.18	2.21	2.31	2.34	2.44	2.47	2.76	2.81	2.74	2.72	2.64	2.61	2.51
130	3.52	3.45	3.54	3.57	3.73	3.77	3.94	3.98	4.14	4.17	4.34	4.36	4.75	4.84	4.71	4.70	4.54	4.51	4.35
135	5.87	5.77	5.91	5.93	6.14	6.19	6.41	6.45	6.67	6.69	6.92	6.94	7.40	7.50	7.33	7.33	7.11	7.08	6.86
140	8.74	8.64	8.78	8.81	9.04	9.10	9.35	9.40	9.64	9.68	9.92	9.96	10.4	10.5	10.4	10.3	10.1	10.1	9.82
145	11.8	11.7	11.9	11.9	12.1	12.2	12.4	12.5	12.7	12.8	13.0	13.1	13.5	13.6	13.4	13.4	13.2	13.2	12.9
150	14.7	14.7	14.7	14.8	14.9	15.0	15.2	15.3	15.5	15.5	15.7	15.8	16.3	16.3	16.2	16.1	16.0	15.9	15.7
155	16.9	16.8	16.8	16.9	17.0	17.0	17.2	17.2	17.3	17.4	17.5	17.6	17.9	17.9	17.8	17.8	17.8	17.7	17.6
160	17.6	17.5	17.5	17.7	17.7	17.8	17.8	17.9	17.9	17.9	17.8	17.8	17.9	18.0	18.0	18.1	18.1	18.1	18.1
165	17.0	17.0	16.9	17.0	17.1	17.2	17.2	17.2	17.1	17.0	16.9	16.9	16.9	17.0	17.0	17.1	17.2	17.2	17.3
170	15.7	15.6	15.4	15.4	15.4	15.4	15.4	15.4	15.3	15.3	15.4	15.4	15.4	15.5	15.5	15.4	15.4	15.4	15.5
175	14.3	14.3	14.2	14.3	14.2	14.0	13.9	13.9	14.1	14.3	14.4	14.2	14.2	14.3	14.5	14.5	14.3	14.2	14.1
180	14.2	14.2	14.1	14.3	14.0	13.9	13.9	13.8	13.9	14.2	14.1	14.0	14.2	14.1	14.2	14.3	14.0	13.9	13.9

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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	3721	3721	3721	3721	3721														
5	3552	3571	3569	3589	3591														
10	3054	3103	3108	3151	3158														
15	2137	2228	2242	2320	2330														
20	1079	1158	1169	1241	1231														
25	466	499	514	533	536														
30	163	179	187	204	210														
35	70.4	75.1	78.6	83.8	84.9														
40	37.4	39.8	39.9	42.5	43.0														
45	22.9	23.4	23.0	23.5	23.7														
50	16.3	16.6	16.6	17.0	17.2														
55	13.6	13.8	13.8	14.0	14.1														
60	12.1	12.2	12.3	12.4	12.5														
65	9.82	10.0	10.1	10.3	10.4														
70	7.29	7.51	7.54	7.79	7.88														
75	4.79	4.99	4.99	5.24	5.30														
80	2.46	2.62	2.63	2.81	2.86														
85	0.67	0.74	0.75	0.84	0.71														
90	0.31	0.30	0.29	0.29	0.29														
95	0.33	0.34	0.32	0.34	0.31														
100	0.38	0.39	0.37	0.38	0.36														
105	0.43	0.44	0.42	0.43	0.41														
110	0.55	0.55	0.52	0.52	0.50														
115	0.80	0.78	0.74	0.72	0.69														
120	1.36	1.28	1.25	1.18	1.15														
125	2.46	2.34	2.29	2.17	2.13														
130	4.28	4.09	4.04	3.87	3.82														
135	6.78	6.54	6.48	6.27	6.23														
140	9.73	9.47	9.40	9.17	9.14														
145	12.8	12.6	12.5	12.2	12.2														
150	15.6	15.4	15.3	15.1	15.1														
155	17.5	17.3	17.2	17.1	17.1														
160	18.0	17.9	17.8	17.6	17.6														
165	17.2	17.1	16.9	16.9	16.9														
170	15.5	15.5	15.3	15.4	15.5														
175	14.1	14.3	14.4	14.1	14.2														
180	13.8	14.0	14.2	14.1	14.0														

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: