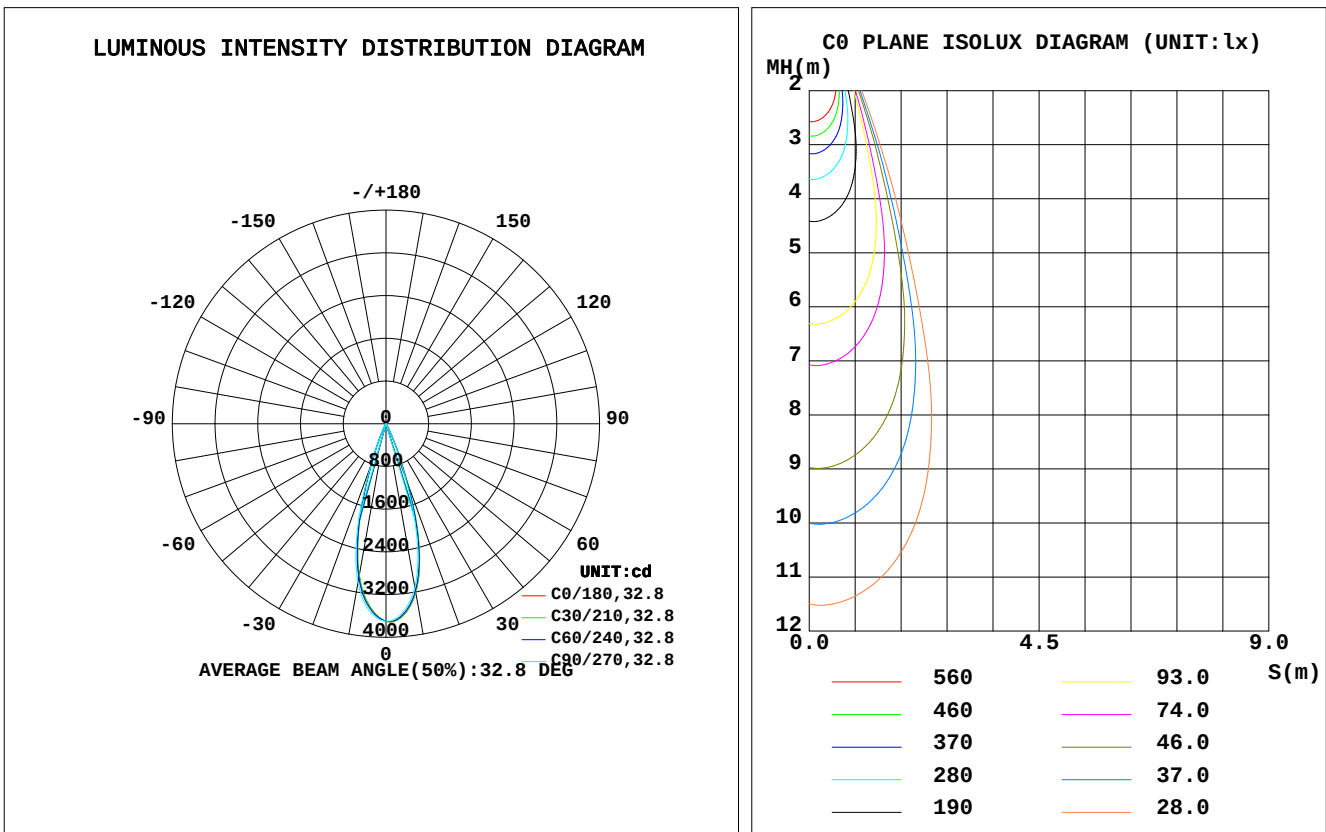


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: VM060-VF62RA02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 81.60 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3717	S/MH(C0/180)	0.48	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.48	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1098.0	η UP, DN(C0-180)	1.2, 51.1	
NOMINAL FLUX(lm)	1098.01	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	



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-06

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:

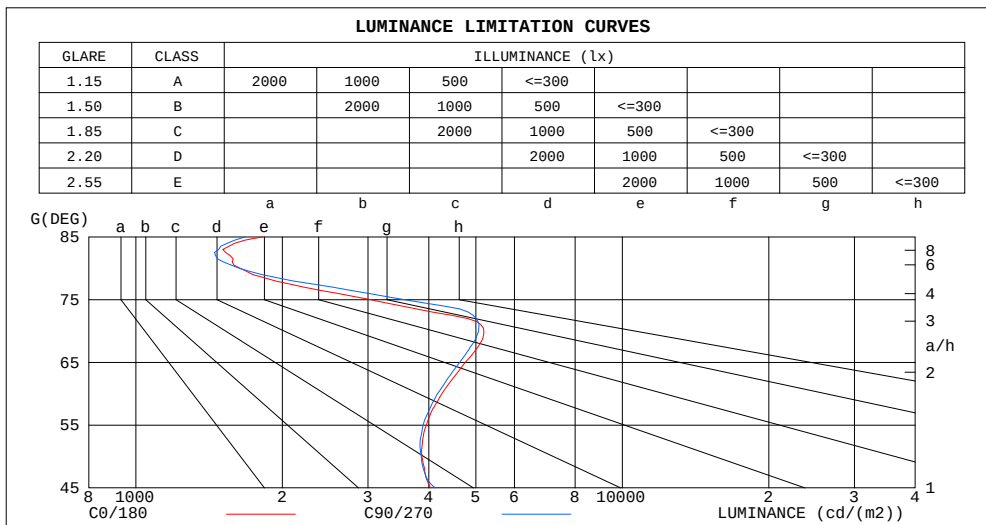
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3206	3216	3110	3005	2887	2878	3017	3123	0- 10	322.3	322.3	29.4, 29.4
20	1143	1219	1045	960.8	825.8	750.2	823.9	946.4	10- 20	566.4	888.7	80.9, 80.9
30	79.45	80.42	70.41	67.36	58.04	55.02	61.04	69.84	20- 30	149.6	1038	94.6, 94.6
40	9.098	10.42	9.587	9.451	8.585	8.673	8.802	9.332	30- 40	17.40	1056	96.1, 96.1
50	4.877	4.866	4.872	4.963	4.989	5.105	5.070	4.945	40- 50	4.742	1060	96.6, 96.6
60	4.170	4.036	4.093	4.131	4.267	4.468	4.530	4.280	50- 60	4.077	1065	97, 97
70	3.479	3.207	3.400	3.279	3.465	3.704	3.947	3.483	60- 70	3.921	1068	97.3, 97.3
80	0.5567	0.6000	0.5559	0.5118	0.3831	0.5800	0.7052	0.6309	70- 80	2.044	1071	97.5, 97.5
90	0.2603	0.2574	0.2535	0.2540	0.2338	0.2355	0.2360	0.2364	80- 90	0.3499	1071	97.5, 97.5
100	0.2756	0.2784	0.2737	0.2784	0.2911	0.2650	0.2808	0.2619	90-100	0.2813	1071	97.6, 97.6
110	0.3152	0.2961	0.2982	0.3093	0.3927	0.3123	0.3227	0.3069	100-110	0.3076	1071	97.6, 97.6
120	0.7179	0.5729	0.5935	0.6483	1.009	0.7986	0.7414	0.6949	110-120	0.4378	1072	97.6, 97.6
130	2.904	2.847	3.007	3.358	3.631	3.858	3.433	3.440	120-130	1.528	1073	97.8, 97.8
140	8.681	7.798	8.208	8.496	9.814	9.147	8.740	8.420	130-140	4.475	1078	98.2, 98.2
150	13.79	13.66	14.04	14.27	14.78	14.85	14.61	14.21	140-150	7.186	1085	98.8, 98.8
160	16.49	16.71	18.50	16.62	16.54	16.58	16.65	16.40	150-160	7.363	1092	99.5, 99.5
170	13.45	13.40	13.51	13.28	13.32	13.24	13.34	13.25	160-170	4.385	1097	99.9, 99.9
180	11.83	11.94	11.56	11.87	11.83	11.94	11.57	11.88	170-180	1.184	1098	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: 2021-08-06

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:

LUMINANCE LIMITATION CURVES

NAME: VM060-VF62RA02-15W	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	1822	1681
80	1636	1631
75	3030	3555
70	5192	5064
65	4757	4630
60	4257	4170
55	3955	3896
50	3873	3861
45	4034	4126

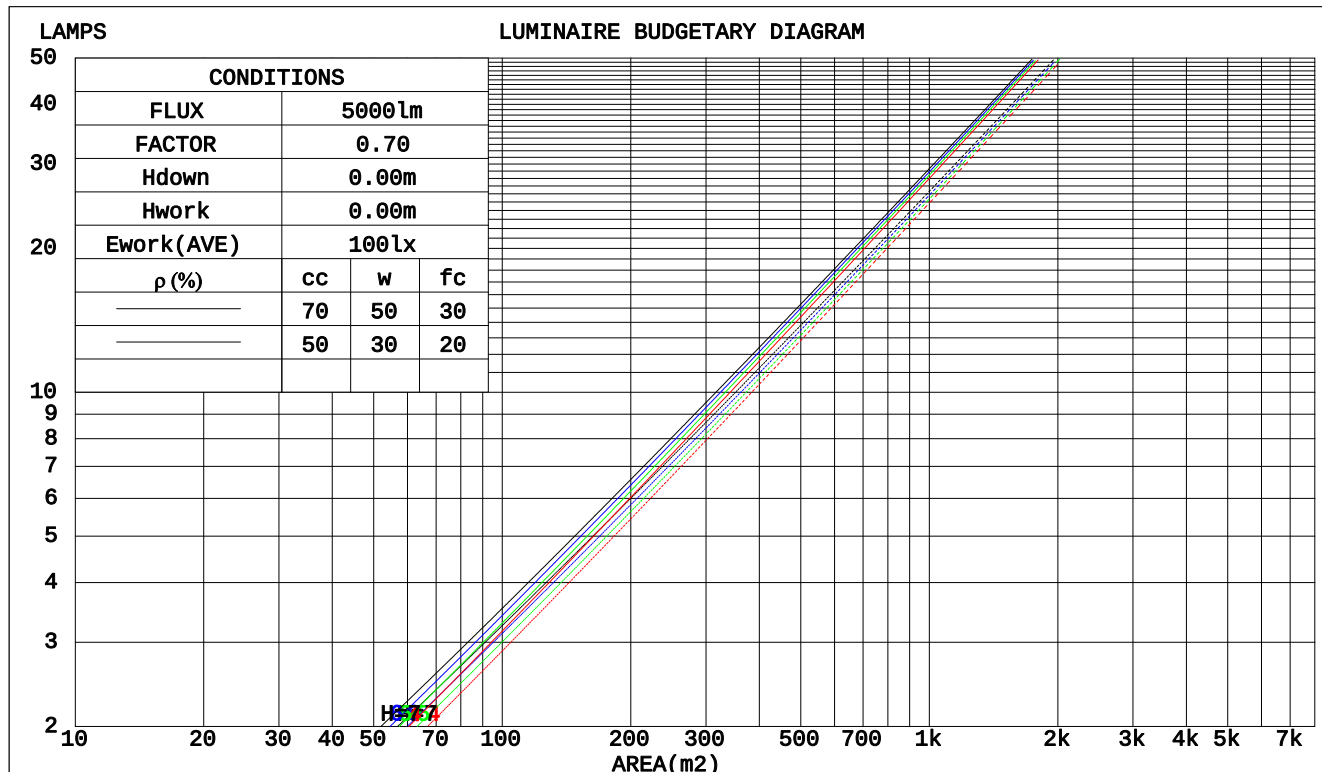
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-VF62RA02-15W	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	1.12	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	1.03	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	.97	.95	.92	.95	.93	.91	.92	.91	.89	.88
4.0	.98	.94	.90	.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	.88	.83	.80	.87	.83	.80	.85	.82	.79	.84	.81	.79	.83	.80	.78	.77
8.0	.85	.80	.78	.84	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
9.0	.82	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.73
10.0	.80	.76	.73	.79	.75	.73	.78	.75	.72	.78	.74	.72	.77	.74	.72	.71



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-VF62RA02-15W	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	.142	.081	.026	.135	.077	.024	.121	.069	.022	.108	.062	.020	.096	.056	.018		
2.0	.131	.072	.022	.125	.069	.021	.114	.063	.020	.103	.058	.018	.093	.053	.017		
3.0	.122	.065	.019	.117	.063	.019	.107	.058	.018	.098	.054	.017	.090	.050	.015		
4.0	.114	.059	.017	.110	.058	.017	.102	.054	.016	.094	.050	.015	.087	.047	.014		
5.0	.108	.055	.016	.104	.053	.016	.097	.050	.015	.090	.047	.014	.084	.045	.013		
6.0	.102	.051	.015	.098	.050	.014	.092	.047	.014	.086	.045	.013	.081	.043	.013		
7.0	.097	.048	.014	.094	.047	.013	.088	.045	.013	.083	.043	.012	.078	.041	.012		
8.0	.092	.045	.013	.090	.044	.012	.085	.042	.012	.080	.041	.012	.076	.039	.011		
9.0	.088	.043	.012	.086	.042	.012	.081	.040	.011	.077	.039	.011	.073	.037	.011		
10.0	.084	.040	.011	.082	.040	.011	.078	.038	.011	.075	.037	.011	.071	.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	.146	.131	.118	.100	.090	.082	.058	.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	.075	.058	.069	.053	.041	.040	.031	.024	.013	.010	.008	
8.0	.110	.080	.060	.095	.070	.052	.065	.049	.037	.038	.029	.022	.012	.009	.007	
9.0	.104	.075	.055	.090	.065	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
10.0	.099	.070	.051	.086	.061	.044	.059	.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:2021-08-06

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-VF62RA02-15W						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	7.1	7.7	7.3	7.9	8.1	6.6	7.2	6.8	7.4	7.6	
3H	8.4	9.1	8.7	9.3	9.5	8.1	8.7	8.4	8.9	9.2	
4H	8.8	9.4	9.1	9.6	9.9	8.7	9.2	8.9	9.5	9.7	
6H	8.8	9.4	9.2	9.7	9.9	8.7	9.3	9.0	9.5	9.8	
8H	8.8	9.4	9.2	9.6	9.9	8.7	9.2	9.0	9.5	9.8	
12H	8.8	9.3	9.2	9.6	9.9	8.7	9.2	9.0	9.5	9.8	
4H 2H	7.5	8.0	7.8	8.3	8.5	7.0	7.6	7.3	7.8	8.1	
3H	9.1	9.6	9.4	9.9	10.2	8.8	9.3	9.2	9.6	9.9	
4H	9.5	9.9	9.8	10.3	10.6	9.4	9.9	9.8	10.2	10.6	
6H	9.5	9.9	9.9	10.3	10.7	9.5	9.9	9.9	10.3	10.7	
8H	9.5	9.9	9.9	10.3	10.7	9.5	9.9	9.9	10.3	10.7	
12H	9.5	9.9	9.9	10.3	10.7	9.5	9.8	9.9	10.3	10.7	
8H 4H	9.6	10.0	10.0	10.4	10.8	9.5	9.9	10.0	10.3	10.7	
6H	9.6	10.0	10.1	10.4	10.9	9.7	10.0	10.1	10.4	10.9	
8H	9.7	9.9	10.1	10.4	10.9	9.7	9.9	10.1	10.4	10.9	
12H	9.7	9.9	10.2	10.4	10.9	9.7	9.9	10.2	10.4	10.9	
12H 4H	9.5	9.9	10.0	10.3	10.7	9.5	9.9	9.9	10.3	10.7	
6H	9.6	9.9	10.1	10.3	10.8	9.6	9.9	10.1	10.4	10.8	
8H	9.6	9.9	10.1	10.4	10.9	9.6	9.9	10.1	10.4	10.9	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.6 / - 0.5					+ 0.5 / - 0.5					
1.5H	+ 1.3 / - 0.5					+ 1.0 / - 0.4					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.5					

CIE Pub.117, 1098 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.3$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

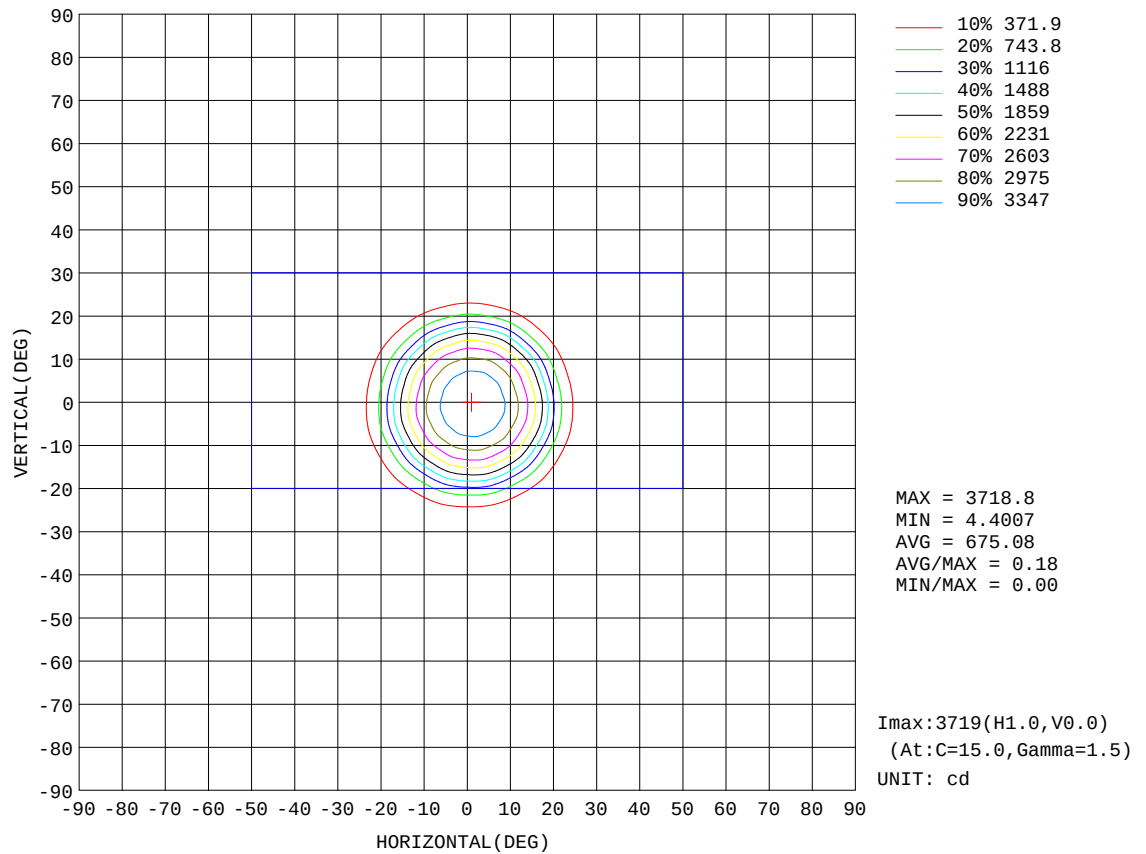
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	80	89	83	80	88	83	80	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	92	99	94	91	97	94	90	86
1.25	104	99	96	103	98	95	100	97	94	90
1.50	106	102	99	105	101	98	102	99	97	92
2.00	109	105	102	107	103	101	104	101	99	93
2.50	110	107	104	108	105	103	105	102	100	94
3.00	112	108	106	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	96
5.00	115	113	111	112	111	109	108	107	106	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:2021-08-06

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-VF62RA02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

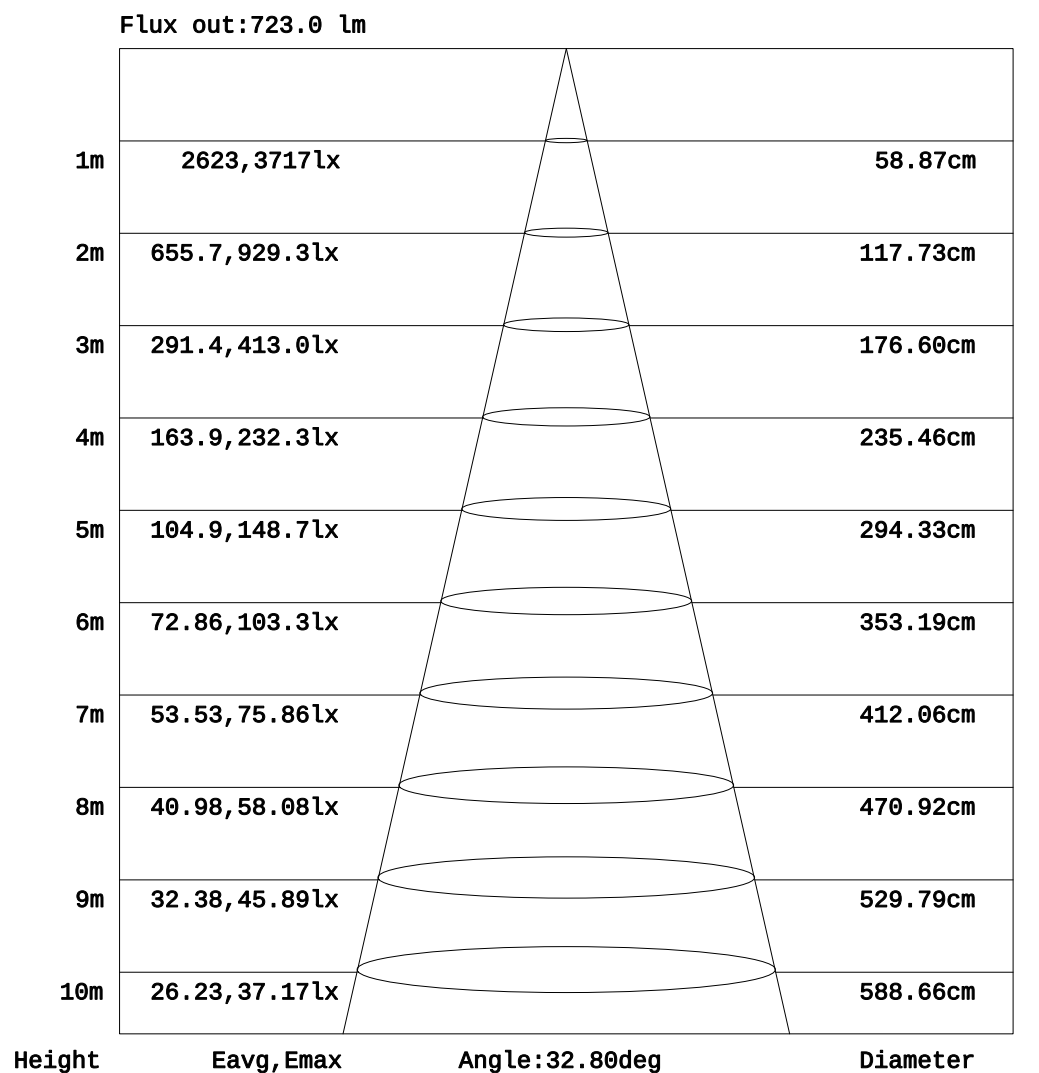


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



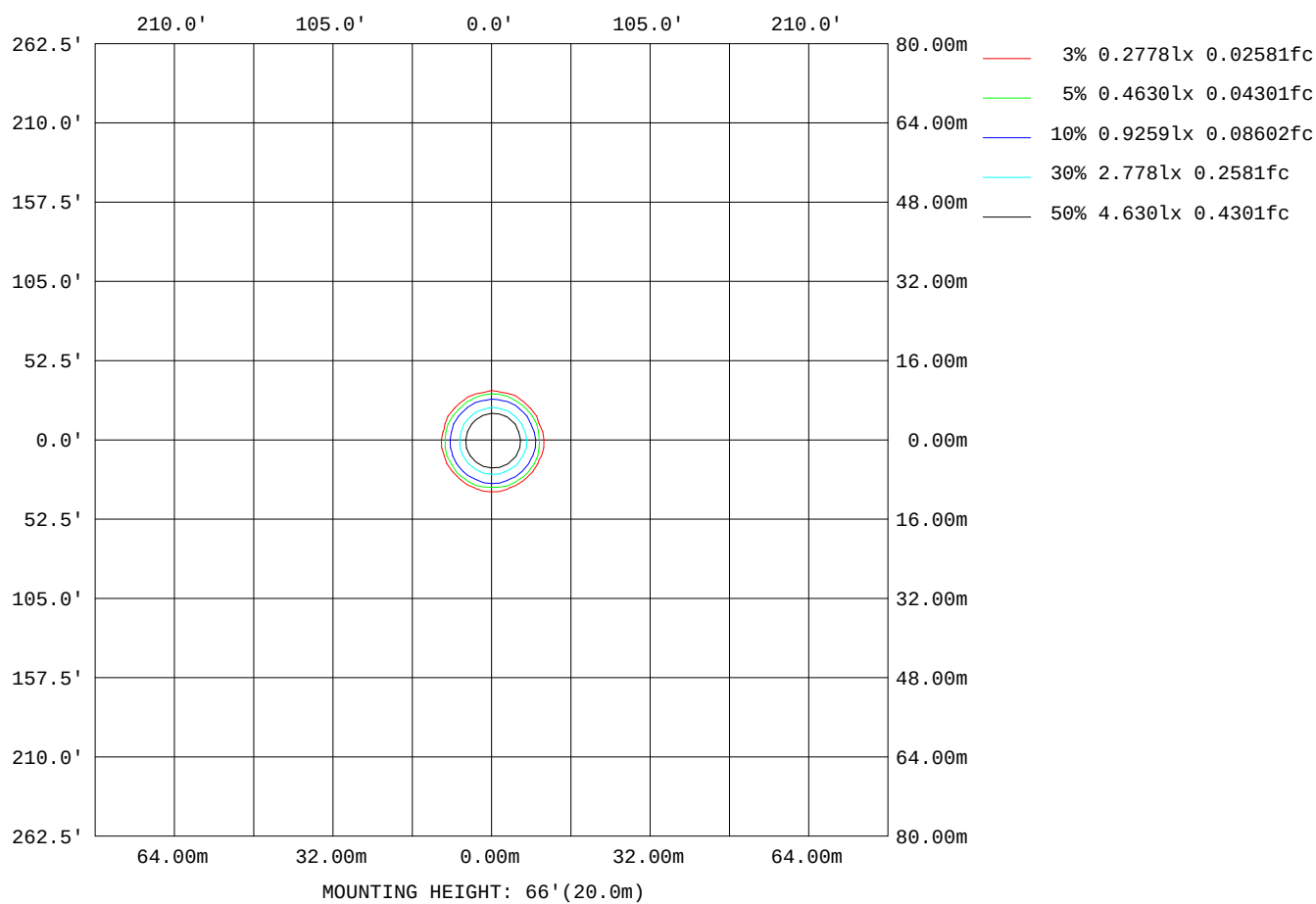
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-VF62RA02-15W	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: 2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

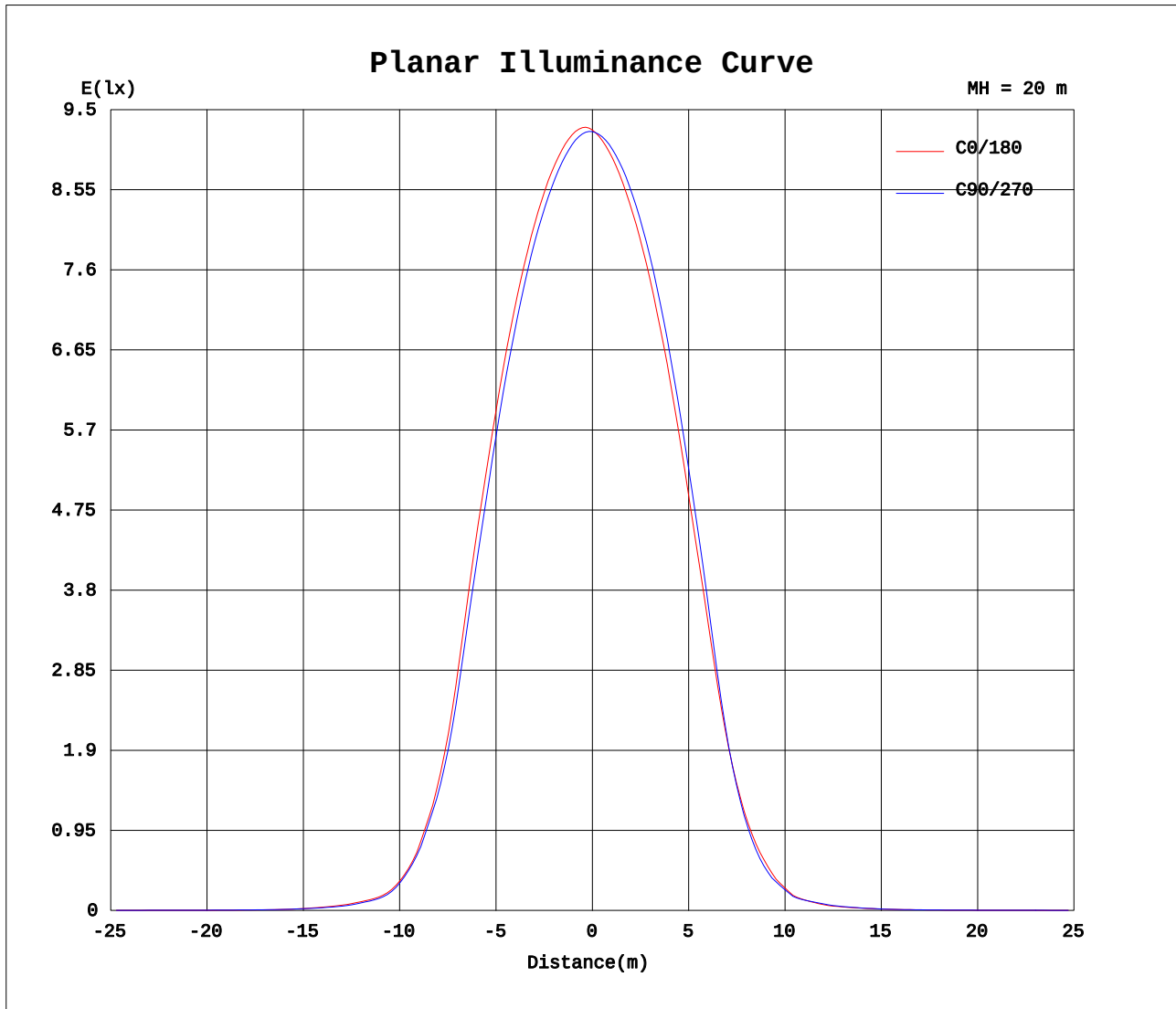
AvgL	cd/m2
L_0~180(65)av	4800
L_0~180(75)av	2641
L_0~180(85)av	1595
L_90~270(65)av	4945
L_90~270(75)av	4308
L_90~270(85)av	1627
L_45(65)av	4746
L_45(75)av	3846
L_45(85)av	1679

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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
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 Operators: LGL
 Test Date: 2021-08-06

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-VF62RA02-15W	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	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697
5	3613	3625	3610	3615	3591	3586	3557	3547	3516	3503	3472	3466	3441	3429	3443	3446	3471	3486	3522
10	3206	3233	3206	3216	3175	3170	3110	3089	3027	3005	2947	2944	2887	2856	2881	2878	2929	2950	3017
15	2401	2455	2414	2433	2364	2355	2264	2243	2145	2120	2034	2029	1945	1896	1929	1902	1970	1982	2087
20	1143	1220	1185	1219	1137	1132	1045	1044	967	961	889	890	826	780	795	750	777	762	824
25	315	347	336	348	318	322	300	312	286	289	261	265	238	220	221	200	202	192	208
30	79.4	82.8	81.0	80.4	74.3	74.3	70.4	70.9	67.6	67.4	62.8	62.0	58.0	55.5	57.1	55.0	57.5	57.0	61.0
35	29.9	31.0	30.2	30.2	27.9	27.0	25.0	24.7	23.2	23.3	22.0	21.9	20.9	20.3	20.8	20.4	21.3	21.2	22.6
40	9.10	9.71	10.2	10.4	9.89	9.96	9.59	9.63	9.29	9.45	9.12	8.76	8.59	8.67	8.85	8.67	8.72	8.56	8.80
45	5.59	5.65	5.71	5.76	5.72	5.76	5.73	5.79	5.76	5.81	5.77	5.76	5.76	5.76	5.78	5.74	5.73	5.66	5.66
50	4.88	4.89	4.87	4.87	4.85	4.87	4.87	4.91	4.93	4.96	4.95	4.95	4.99	5.03	5.08	5.10	5.11	5.10	5.07
55	4.44	4.42	4.40	4.38	4.37	4.38	4.39	4.41	4.43	4.45	4.48	4.49	4.54	4.61	4.66	4.71	4.74	4.76	4.73
60	4.17	4.13	4.09	4.04	4.03	4.08	4.09	4.10	4.11	4.13	4.19	4.21	4.27	4.36	4.40	4.47	4.53	4.57	4.53
65	3.94	3.87	3.79	3.72	3.75	3.83	3.84	3.85	3.80	3.82	3.89	3.97	4.02	4.08	4.12	4.21	4.34	4.40	4.36
70	3.48	3.39	3.20	3.21	3.28	3.41	3.40	3.42	3.30	3.28	3.21	3.38	3.47	3.32	3.57	3.70	3.92	3.95	3.95
75	1.54	1.59	1.68	1.90	1.88	1.93	1.81	1.85	1.72	1.67	1.41	1.23	1.15	1.40	1.90	2.11	2.38	2.39	2.57
80	0.56	0.55	0.57	0.60	0.58	0.59	0.56	0.56	0.54	0.51	0.47	0.42	0.38	0.44	0.52	0.58	0.65	0.65	0.71
85	0.31	0.31	0.33	0.30	0.31	0.28	0.29	0.27	0.29	0.27	0.29	0.27	0.23	0.26	0.25	0.27	0.27	0.27	0.27
90	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.26	0.25	0.25	0.25	0.23	0.23	0.23	0.24	0.23	0.23	0.24
95	0.26	0.27	0.26	0.27	0.27	0.27	0.25	0.27	0.26	0.27	0.25	0.27	0.26	0.25	0.26	0.24	0.25	0.23	0.26
100	0.28	0.28	0.27	0.28	0.28	0.29	0.27	0.29	0.27	0.28	0.26	0.28	0.29	0.32	0.31	0.31	0.28	0.30	0.28
105	0.28	0.29	0.27	0.29	0.28	0.30	0.28	0.29	0.27	0.29	0.28	0.29	0.32	0.31	0.31	0.28	0.30	0.28	0.30
110	0.32	0.31	0.28	0.30	0.28	0.31	0.30	0.31	0.30	0.31	0.30	0.32	0.39	0.38	0.37	0.31	0.32	0.30	0.32
115	0.41	0.39	0.35	0.34	0.34	0.36	0.35	0.37	0.36	0.36	0.40	0.43	0.55	0.55	0.51	0.41	0.41	0.39	0.40
120	0.72	0.63	0.58	0.57	0.57	0.58	0.59	0.61	0.62	0.65	0.68	0.73	1.01	1.03	0.87	0.80	0.79	0.77	0.74
125	1.38	1.31	1.34	1.29	1.37	1.32	1.40	1.41	1.57	1.54	1.64	1.63	1.83	1.89	1.85	1.88	1.81	1.80	1.71
130	2.90	2.85	2.93	2.85	2.89	2.87	3.01	3.03	3.21	3.36	3.62	3.44	3.63	3.74	3.72	3.86	3.64	3.61	3.43
135	5.38	5.32	5.32	5.13	5.21	5.16	5.35	5.37	5.63	5.94	6.23	6.32	6.54	6.58	6.43	6.39	6.11	6.11	5.85
140	8.68	8.37	8.01	7.80	8.00	7.99	8.21	8.30	8.49	8.50	8.83	9.53	9.81	9.61	9.35	9.15	8.97	9.01	8.74
145	11.7	11.2	10.9	10.8	11.0	11.1	11.4	11.5	11.5	11.5	11.7	12.1	12.4	12.3	12.1	12.2	12.0	12.0	11.8
150	13.8	13.7	13.7	13.7	13.8	13.9	14.0	14.1	14.3	14.3	14.5	14.5	14.8	14.9	14.8	14.9	14.8	14.8	14.6
155	15.9	15.7	15.7	15.7	15.8	15.9	16.0	16.2	16.2	16.2	16.2	16.2	16.6	16.8	16.4	16.5	16.5	16.5	16.5
160	16.5	16.1	16.7	16.7	16.4	17.3	18.5	17.8	16.6	16.6	16.8	16.3	16.5	16.6	16.4	16.6	16.6	16.7	16.6
165	15.1	15.2	15.1	15.4	15.5	16.0	17.0	16.3	15.5	15.3	15.2	15.1	15.1	15.2	15.2	15.2	15.3	15.4	15.5
170	13.4	13.5	13.4	13.4	13.4	13.5	13.5	13.5	13.3	13.3	13.3	13.3	13.3	13.3	13.4	13.2	13.2	13.2	13.3
175	12.0	12.0	11.9	12.1	12.0	11.9	11.7	11.7	11.8	12.0	12.0	11.9	11.9	12.0	12.1	12.2	11.9	11.8	11.8
180	11.8	11.8	11.8	11.9	11.7	11.5	11.6	11.5	11.6	11.9	11.7	11.7	11.8	11.8	11.8	11.9	11.7	11.5	11.6

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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-VF62RA02-15W	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	3697	3697	3697	3697	3697													
5	3539	3570	3576	3596	3591													
10	3045	3109	3123	3169	3160													
15	2121	2227	2246	2327	2320													
20	839	933	946	1041	1038													
25	211	237	244	275	280													
30	63.0	68.5	69.8	74.6	74.6													
35	23.3	25.4	26.2	28.2	27.6													
40	8.85	9.25	9.33	9.84	9.22													
45	5.61	5.64	5.59	5.64	5.52													
50	5.04	5.00	4.95	4.90	4.85													
55	4.70	4.62	4.56	4.50	4.44													
60	4.49	4.37	4.28	4.22	4.19													
65	4.31	4.14	3.99	3.92	3.92													
70	3.87	3.71	3.48	3.37	3.31													
75	2.47	2.50	2.14	1.88	1.53													
80	0.68	0.71	0.63	0.58	0.52													
85	0.29	0.28	0.30	0.28	0.29													
90	0.24	0.23	0.24	0.24	0.24													
95	0.24	0.26	0.24	0.27	0.25													
100	0.26	0.28	0.26	0.28	0.28													
105	0.28	0.30	0.28	0.30	0.28													
110	0.30	0.31	0.31	0.34	0.33													
115	0.38	0.40	0.36	0.45	0.45													
120	0.75	0.74	0.69	0.71	0.80													
125	1.74	1.62	1.64	1.52	1.53													
130	3.43	3.36	3.44	3.18	3.12													
135	5.82	5.71	5.80	5.67	5.71													
140	8.71	8.46	8.42	8.49	8.70													
145	11.7	11.5	11.4	11.2	11.4													
150	14.5	14.3	14.2	14.0	14.0													
155	16.4	16.3	16.3	15.9	16.2													
160	16.6	16.5	16.4	16.2	16.4													
165	15.4	15.4	15.2	15.2	15.2													
170	13.3	13.3	13.2	13.3	13.4													
175	11.8	12.0	12.1	11.9	11.9													
180	11.5	11.6	11.9	11.7	11.7													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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: