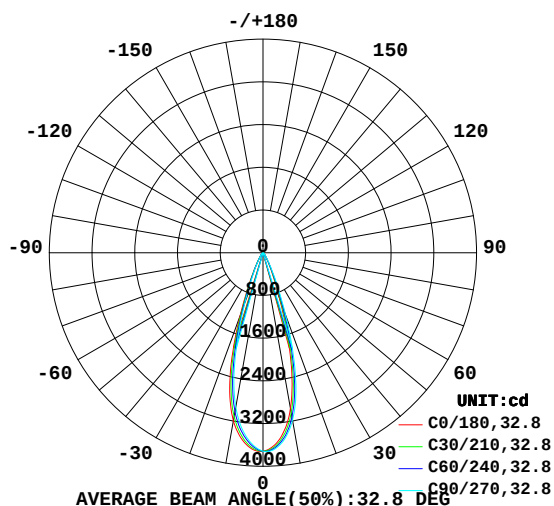


LUMINAIRE PHOTOMETRIC TEST REPORT

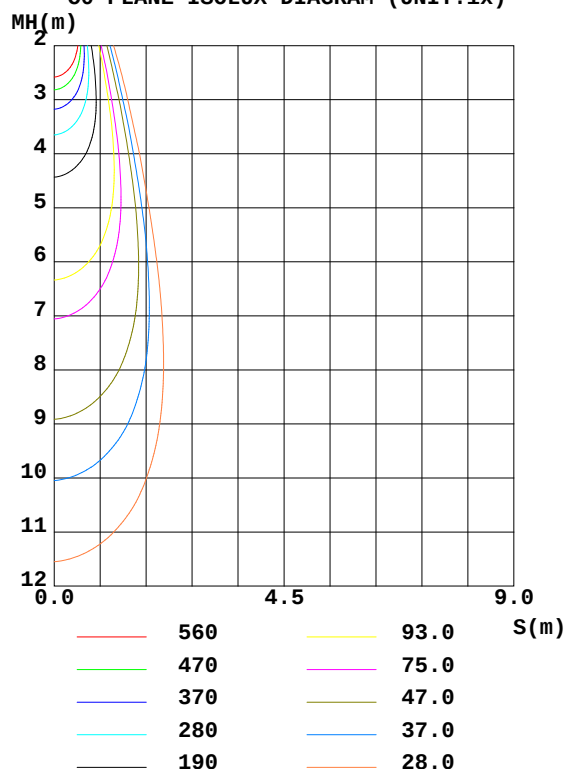
NAME: VM060-VF62RA03-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.39 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3733	S/MH(C0/180)	0.53
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.50
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1310.6	η UP, DN(C0-180)	1.2, 50.8
NOMINAL FLUX(lm)	1310.61	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 46.8
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.50

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: 2021-08-09

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:

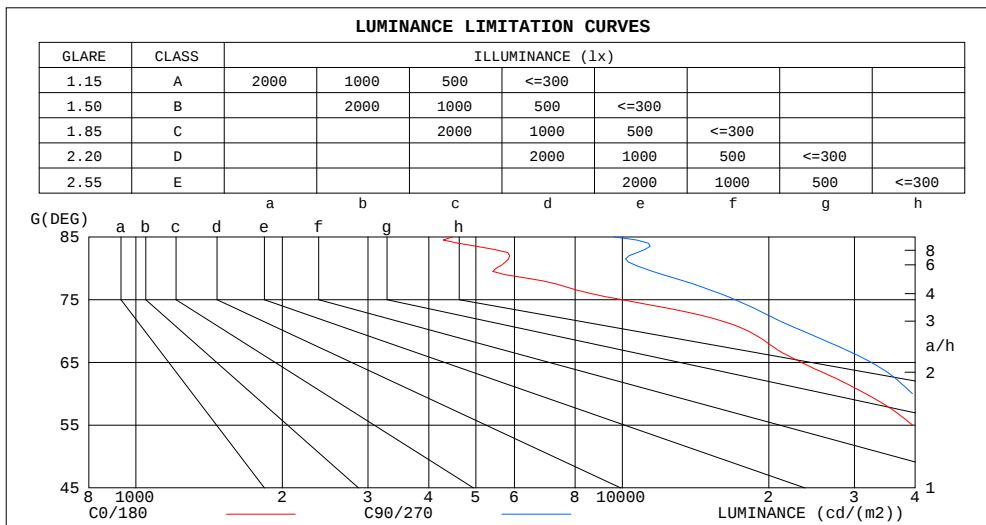
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2964	3111	3186	3258	3192	3048	2937	2866	0- 10	324.0	324.0	24.7, 24.7
20	902.5	1081	1234	1378	1258	1096	992.2	862.8	10- 20	575.6	899.7	68.6, 68.6
30	176.5	203.7	230.6	255.1	236.4	216.5	201.7	172.2	20- 30	233.1	1133	86.4, 86.4
40	56.93	59.25	64.41	71.07	71.97	70.00	66.06	57.65	30- 40	71.97	1205	91.9, 91.9
50	29.23	31.90	33.88	34.32	34.26	34.30	32.67	29.03	40- 50	35.18	1240	94.6, 94.6
60	14.97	17.66	18.76	18.47	18.43	18.63	17.86	15.59	50- 60	21.59	1262	96.3, 96.3
70	5.864	7.017	7.641	7.973	7.884	8.093	7.699	6.283	60- 70	12.07	1274	97.2, 97.2
80	0.9040	1.667	1.824	2.074	1.390	2.168	2.010	1.638	70- 80	4.359	1278	97.5, 97.5
90	0.3564	0.3661	0.3577	0.3613	0.3319	0.3285	0.3339	0.3364	80- 90	0.9060	1279	97.6, 97.6
100	0.4570	0.4764	0.4506	0.4412	0.4398	0.4298	0.4729	0.4498	90-100	0.4252	1279	97.6, 97.6
110	0.6898	0.6969	0.6603	0.6276	0.6334	0.6369	0.6920	0.6956	100-110	0.5743	1280	97.7, 97.7
120	1.528	1.432	1.346	1.218	1.259	1.377	1.504	1.617	110-120	0.9337	1281	97.7, 97.7
130	4.650	4.288	4.005	3.664	3.867	4.246	4.595	4.892	120-130	2.301	1283	97.9, 97.9
140	10.28	9.752	9.331	8.886	9.173	9.729	10.22	10.60	130-140	5.245	1288	98.3, 98.3
150	16.06	15.62	15.34	14.99	15.28	15.70	16.14	16.34	140-150	7.970	1296	98.9, 98.9
160	17.66	17.94	18.11	18.24	18.17	18.27	18.33	18.00	150-160	7.999	1304	99.5, 99.5
170	15.01	15.19	15.85	16.09	16.12	15.89	15.54	14.93	160-170	4.889	1309	99.9, 99.9
180	14.06	14.29	14.02	14.27	14.08	14.29	14.03	14.26	170-180	1.407	1311	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:2021-08-09

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-VF62RA03-15W	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	4484	9598
80	5503	11049
75	9957	17040
70	18126	23495
65	23318	32457
60	31642	39467
55	39511	46514
50	48071	55434
45	60390	67791

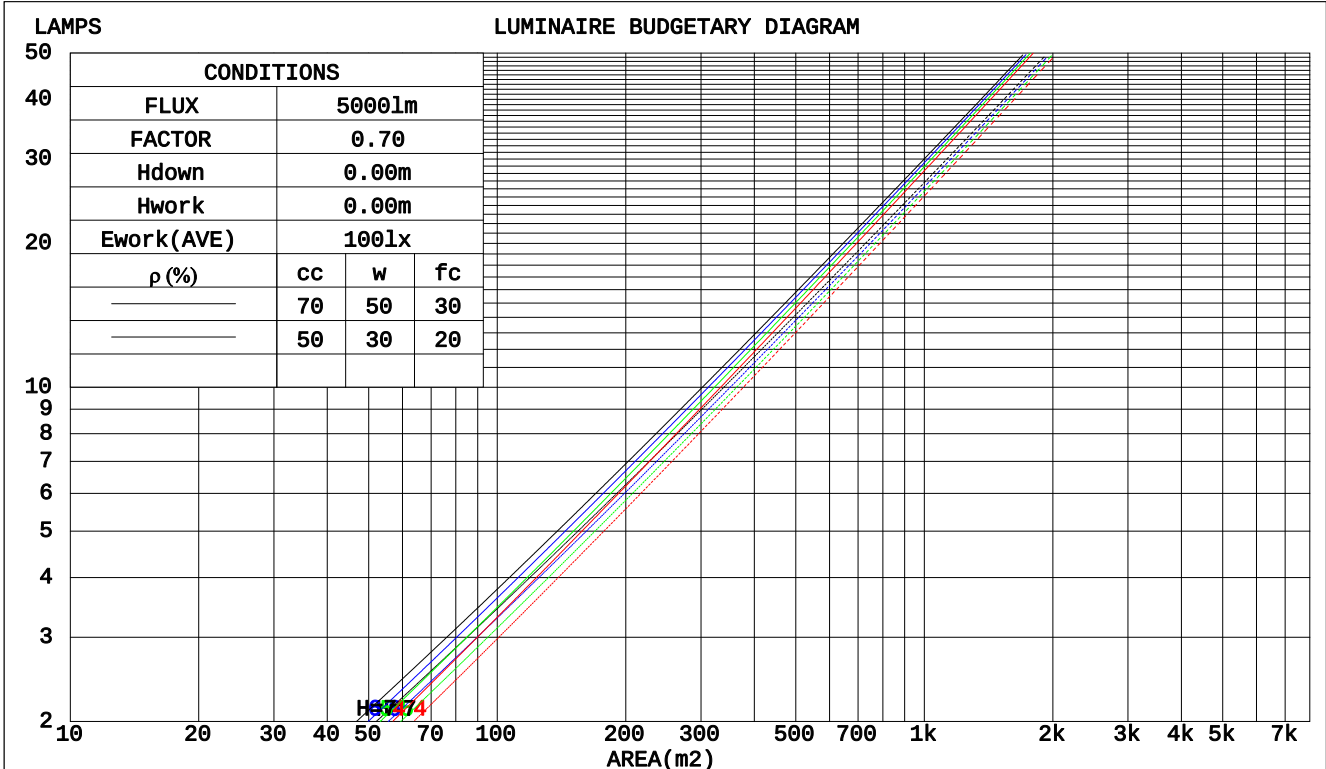
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA03-15W	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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
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	1.04	1.03	1.02	1.00	.99	.98	.97	.96	.95	.93
2.0	1.05	1.02	.99	1.03	.99	.97	.99	.97	.95	.96	.94	.92	.93	.92	.90	.89
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.92	.90	.88	.90	.88	.86	.85
4.0	.95	.90	.87	.93	.89	.86	.91	.87	.85	.89	.86	.83	.87	.84	.82	.81
5.0	.90	.86	.82	.89	.85	.82	.87	.84	.81	.85	.82	.80	.84	.81	.79	.78
6.0	.86	.82	.78	.86	.81	.78	.84	.80	.77	.82	.79	.76	.81	.78	.76	.74
7.0	.83	.78	.75	.82	.78	.74	.81	.77	.74	.80	.76	.73	.78	.75	.73	.72
8.0	.80	.75	.72	.79	.75	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.69
9.0	.77	.72	.69	.76	.72	.69	.75	.71	.68	.74	.71	.68	.73	.70	.68	.67
10.0	.74	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.71	.68	.65	.64



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA03-15W	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 Coeffcients(WEC)										
0.0																	
1.0	.157	.089	.028	.149	.085	.027	.135	.078	.025	.123	.071	.023	.111	.064	.021		
2.0	.147	.080	.025	.140	.077	.024	.129	.072	.022	.118	.066	.021	.108	.061	.019		
3.0	.137	.073	.022	.132	.071	.021	.122	.066	.020	.113	.062	.019	.105	.058	.018		
4.0	.129	.067	.020	.125	.065	.019	.116	.062	.018	.108	.058	.018	.101	.055	.017		
5.0	.122	.062	.018	.118	.061	.018	.110	.057	.017	.103	.055	.016	.097	.052	.016		
6.0	.115	.058	.017	.112	.056	.016	.105	.054	.016	.099	.052	.015	.093	.049	.015		
7.0	.109	.054	.015	.106	.053	.015	.101	.051	.015	.095	.049	.014	.090	.047	.014		
8.0	.104	.051	.014	.102	.050	.014	.096	.048	.014	.092	.046	.013	.087	.045	.013		
9.0	.100	.048	.013	.097	.047	.013	.092	.046	.013	.088	.044	.013	.084	.043	.012		
10.0	.095	.046	.013	.093	.045	.013	.089	.044	.012	.085	.042	.012	.081	.041	.012		

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	.172	.151	.134	.147	.130	.116	.101	.090	.081	.058	.052	.047	.019	.017	.015		
3.0	.158	.132	.112	.135	.114	.097	.093	.079	.068	.054	.046	.040	.017	.015	.013		
4.0	.146	.117	.095	.125	.101	.083	.086	.071	.058	.050	.041	.034	.016	.013	.011		
5.0	.136	.105	.082	.117	.091	.072	.081	.064	.051	.047	.037	.030	.015	.012	.010		
6.0	.128	.096	.072	.110	.083	.063	.076	.058	.045	.044	.034	.026	.014	.011	.009		
7.0	.121	.088	.064	.104	.076	.056	.072	.053	.040	.042	.031	.024	.013	.010	.008		
8.0	.114	.081	.058	.099	.070	.051	.068	.049	.036	.040	.029	.021	.013	.010	.007		
9.0	.109	.076	.053	.094	.066	.046	.065	.046	.033	.038	.027	.020	.012	.009	.007		
10.0	.104	.071	.049	.090	.062	.043	.062	.043	.030	.036	.026	.018	.012	.008	.006		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA03-15W						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	17.9	18.7	18.2	18.9	19.1	18.7	19.5	19.0	19.7	19.9	
3H	18.2	18.9	18.5	19.1	19.4	19.2	19.9	19.5	20.1	20.3	
4H	18.3	18.9	18.6	19.2	19.4	19.3	19.9	19.6	20.2	20.4	
6H	18.2	18.8	18.5	19.1	19.4	19.3	19.9	19.6	20.2	20.4	
8H	18.2	18.8	18.5	19.1	19.4	19.2	19.8	19.6	20.1	20.4	
12H	18.1	18.7	18.5	19.0	19.3	19.2	19.8	19.6	20.1	20.4	
4H	2H	18.2	18.8	18.5	19.1	19.3	18.9	19.5	19.2	19.8	20.1
	3H	18.6	19.1	18.9	19.4	19.8	19.4	20.0	19.8	20.3	20.6
	4H	18.6	19.2	19.0	19.5	19.8	19.5	20.1	19.9	20.4	20.7
	6H	18.6	19.1	19.0	19.4	19.8	19.5	20.0	20.0	20.4	20.8
	8H	18.6	19.0	19.0	19.4	19.8	19.5	20.0	20.0	20.4	20.8
	12H	18.5	18.9	19.0	19.3	19.8	19.5	19.9	20.0	20.3	20.8
8H	4H	18.6	19.0	19.0	19.4	19.8	19.5	19.9	19.9	20.3	20.7
	6H	18.6	19.0	19.1	19.4	19.8	19.5	19.9	20.0	20.3	20.8
	8H	18.6	18.9	19.1	19.4	19.8	19.5	19.8	20.0	20.3	20.8
	12H	18.5	18.8	19.1	19.3	19.8	19.5	19.8	20.0	20.3	20.8
12H	4H	18.6	19.0	19.0	19.4	19.8	19.4	19.8	19.9	20.2	20.7
	6H	18.6	18.9	19.0	19.3	19.8	19.5	19.8	19.9	20.2	20.7
	8H	18.6	18.8	19.1	19.3	19.8	19.5	19.7	20.0	20.2	20.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.9 / - 1.2					+ 0.9 / - 1.1					
1.5H	+ 1.0 / - 0.7					+ 1.4 / - 0.6					
2.0H	+ 1.4 / - 1.4					+ 1.3 / - 1.0					

CIE Pub.117, 1311 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:2021-08-09

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-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

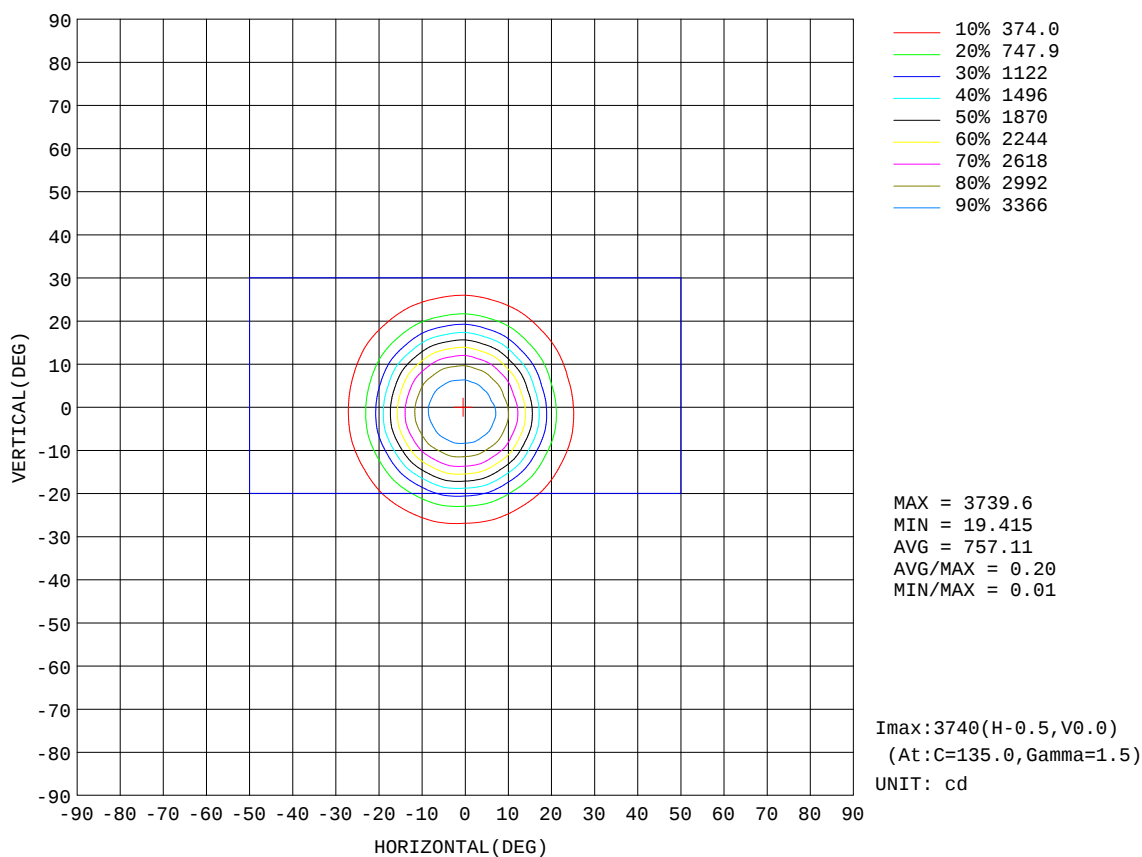
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	88	84	92	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	104	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	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:2021-08-09

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-VF62RA03-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

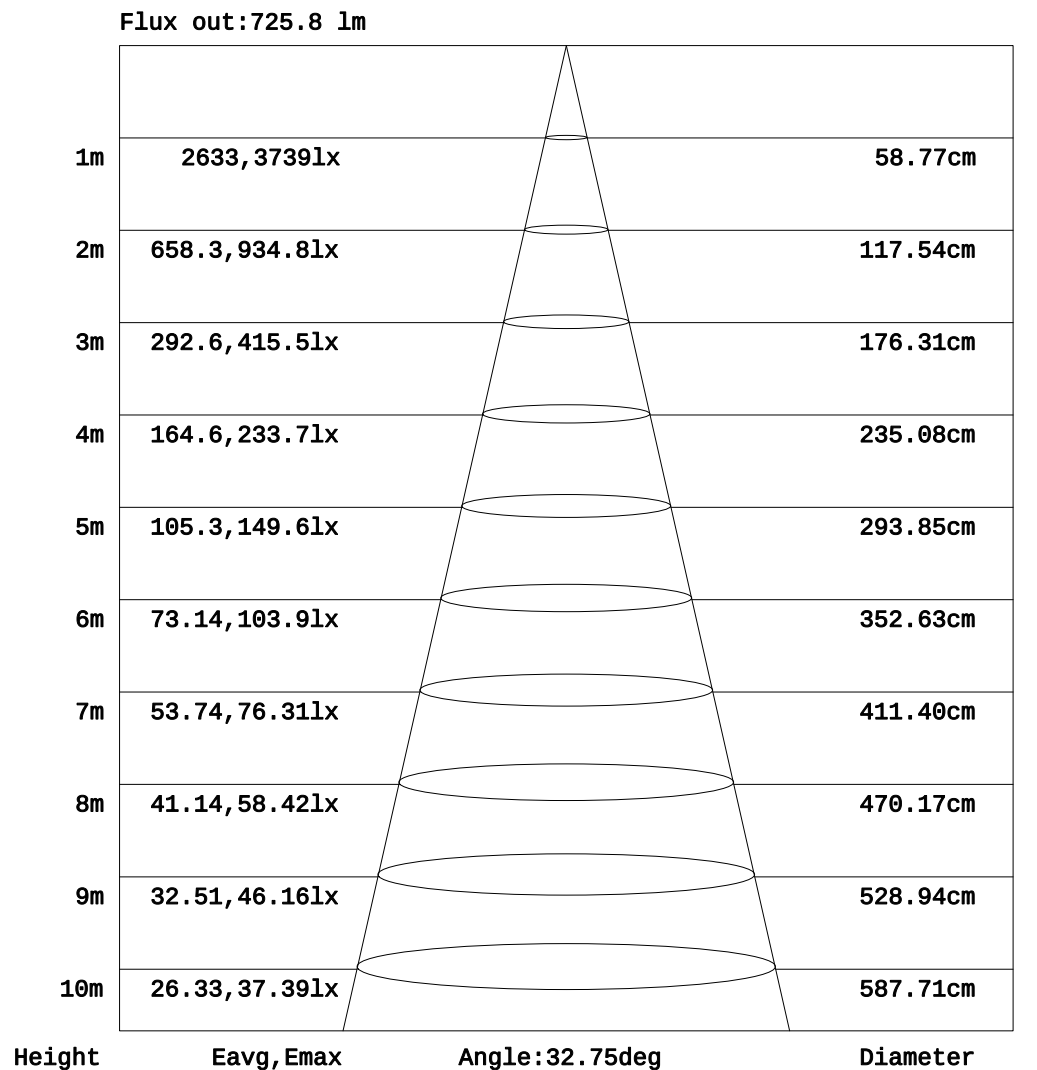


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-09

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-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



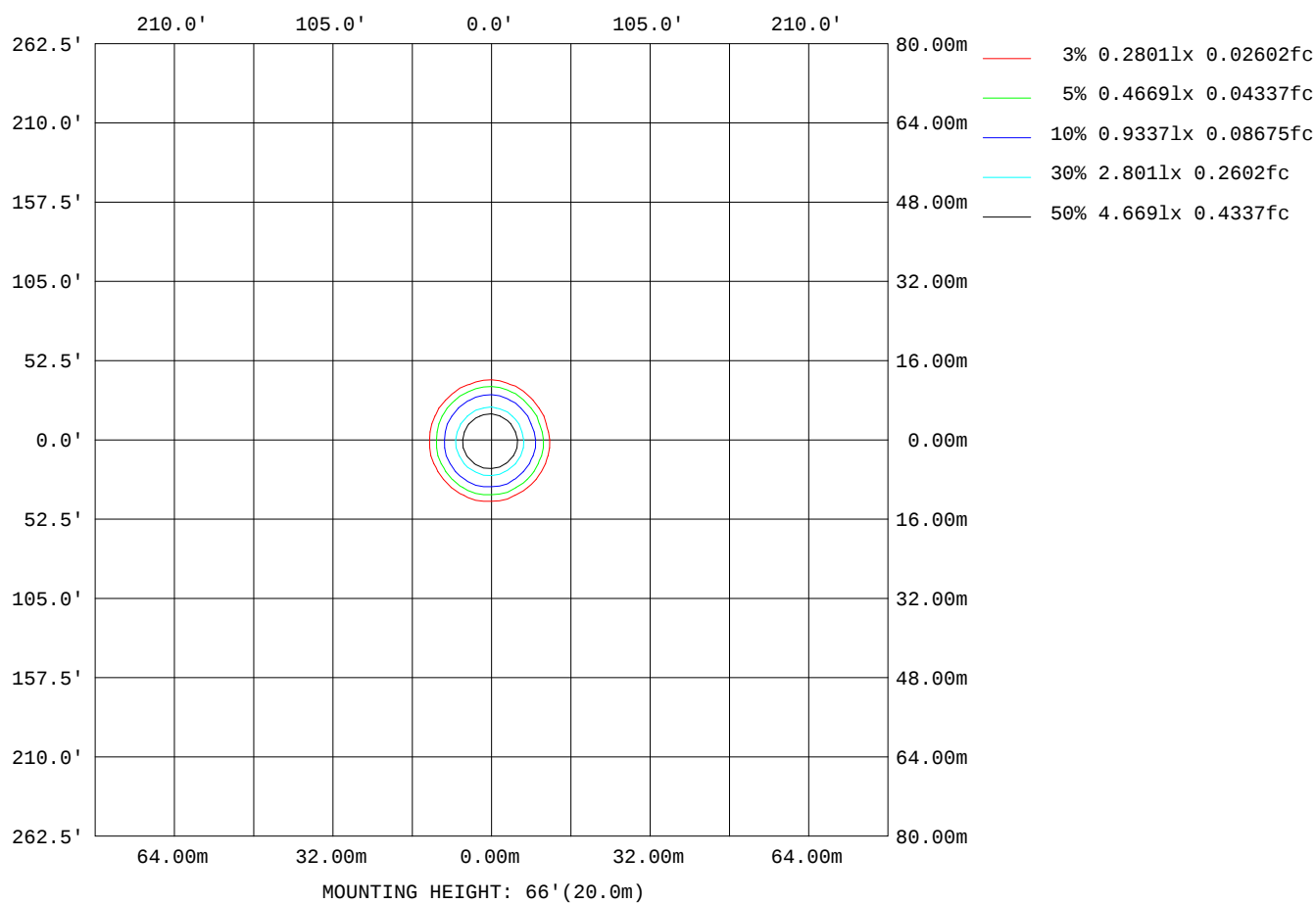
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA03-15W	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: 2021-08-09

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-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

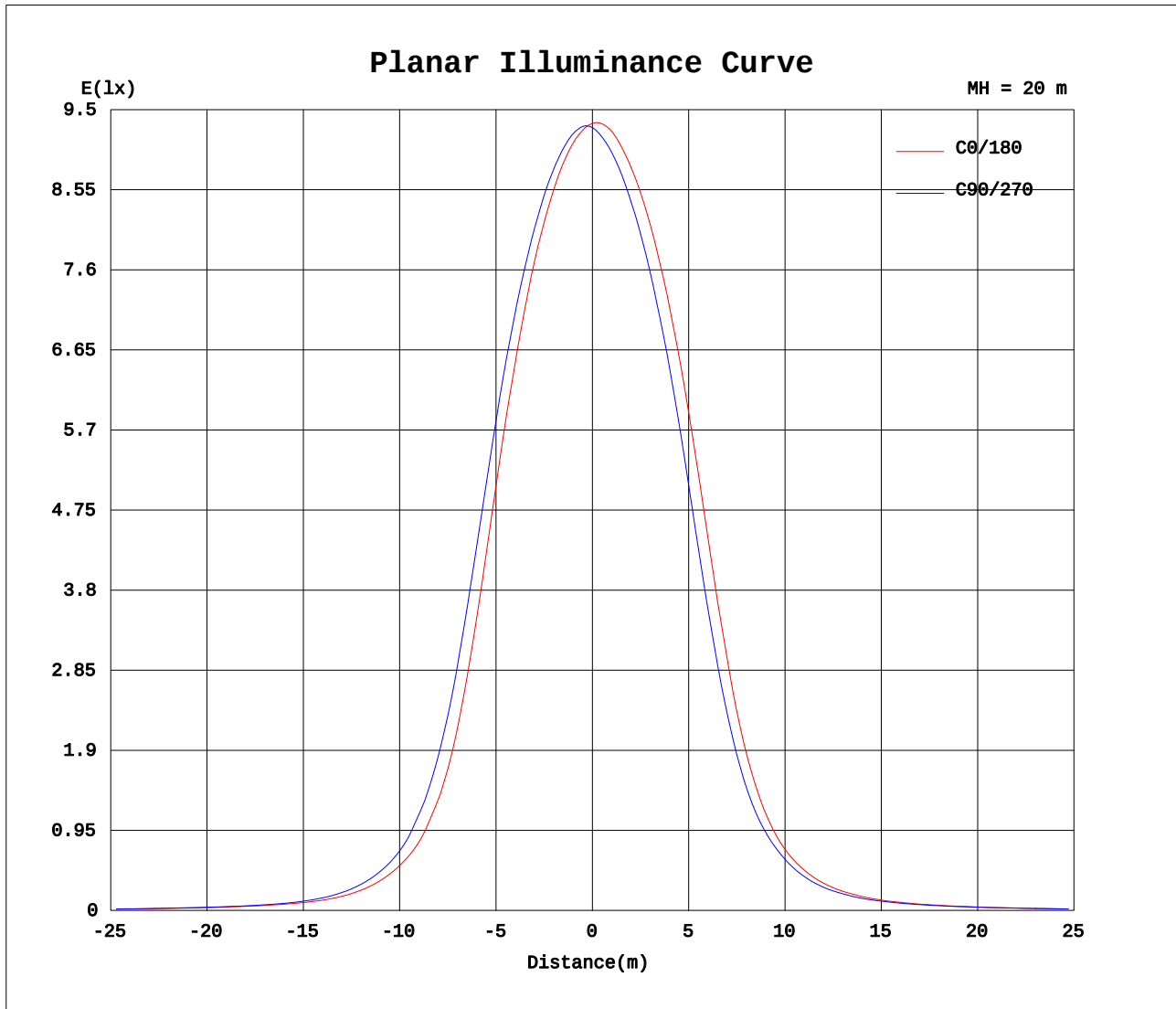
AvgL	cd/m2
L_0~180(65)av	27904
L_0~180(75)av	13393
L_0~180(85)av	4794
L_90~270(65)av	31996
L_90~270(75)av	17221
L_90~270(85)av	9325
L_45(65)av	30700
L_45(75)av	16683
L_45(85)av	8927

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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: 2021-08-09

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-VF62RA03-15W	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	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716
5	3513	3543	3553	3582	3586	3611	3613	3635	3631	3645	3632	3634	3604	3579	3569	3533	3516	3483	3475
10	2964	3029	3046	3111	3124	3179	3186	3232	3228	3258	3240	3251	3192	3138	3117	3048	3022	2957	2937
15	1976	2071	2094	2201	2226	2324	2347	2432	2430	2488	2455	2476	2384	2299	2271	2165	2128	2026	2003
20	903	974	994	1081	1113	1208	1234	1321	1322	1378	1326	1352	1258	1189	1178	1096	1078	1002	992
25	377	404	412	446	463	505	525	559	569	577	561	559	527	513	503	471	464	437	434
30	177	188	192	204	209	226	231	248	249	255	245	249	236	230	230	217	214	203	202
35	90.4	93.6	95.0	98.7	101	107	110	118	121	126	121	126	120	118	118	113	111	107	106
40	56.9	57.7	57.8	59.3	60.3	63.1	64.4	67.3	69.3	71.1	70.8	72.6	72.0	71.1	72.0	70.0	69.6	67.5	66.1
45	40.4	41.0	41.5	42.8	43.5	44.9	45.6	46.3	46.6	47.8	47.6	48.2	48.4	47.7	48.4	47.8	47.9	46.4	45.5
50	29.2	29.8	30.5	31.9	32.5	33.6	33.9	34.0	33.7	34.3	34.0	34.3	34.3	33.9	34.4	34.3	34.4	33.5	32.7
55	21.4	21.9	22.7	23.8	24.4	25.3	25.4	25.2	24.9	25.1	24.9	25.0	25.0	24.7	25.3	25.2	25.4	24.9	24.2
60	15.0	15.8	16.7	17.7	18.1	18.8	18.8	18.7	18.5	18.5	18.3	18.4	18.4	18.2	18.7	18.6	18.8	18.4	17.9
65	9.32	9.97	11.2	12.2	12.5	13.1	13.0	13.3	13.1	13.2	13.0	13.2	13.1	13.0	13.4	13.3	13.5	13.1	12.7
70	5.86	6.13	6.43	7.02	7.24	7.65	7.64	7.86	7.81	7.97	7.82	7.97	7.88	7.85	8.18	8.09	8.22	7.91	7.70
75	2.44	3.27	3.51	3.82	3.94	4.19	4.19	4.40	4.41	4.54	4.40	4.22	4.15	4.48	4.67	4.56	4.58	4.36	4.28
80	0.90	1.29	1.55	1.67	1.68	1.80	1.82	1.94	1.97	2.07	1.87	1.58	1.39	1.84	2.19	2.17	2.16	2.05	2.01
85	0.37	0.48	0.56	0.68	0.70	0.77	0.80	0.91	0.91	1.00	0.88	0.64	0.42	0.69	0.86	0.82	0.90	0.74	0.75
90	0.36	0.37	0.36	0.37	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.35	0.33	0.34	0.33	0.33	0.33	0.32	0.33
95	0.39	0.41	0.39	0.42	0.39	0.40	0.38	0.40	0.37	0.39	0.37	0.38	0.38	0.35	0.37	0.37	0.38	0.37	0.40
100	0.46	0.48	0.46	0.48	0.46	0.47	0.45	0.46	0.43	0.44	0.42	0.43	0.44	0.42	0.44	0.43	0.46	0.45	0.47
105	0.55	0.57	0.55	0.56	0.55	0.56	0.53	0.54	0.51	0.52	0.49	0.51	0.52	0.50	0.53	0.51	0.54	0.53	0.56
110	0.69	0.70	0.69	0.70	0.68	0.69	0.66	0.66	0.63	0.63	0.60	0.61	0.63	0.62	0.64	0.64	0.67	0.66	0.69
115	0.95	0.95	0.94	0.94	0.92	0.91	0.89	0.87	0.83	0.82	0.79	0.79	0.83	0.84	0.85	0.87	0.89	0.91	0.94
120	1.53	1.48	1.48	1.43	1.42	1.37	1.35	1.29	1.27	1.22	1.20	1.18	1.26	1.29	1.31	1.38	1.40	1.48	1.50
125	2.69	2.61	2.59	2.49	2.46	2.35	2.32	2.20	2.17	2.07	2.08	2.02	2.20	2.28	2.32	2.44	2.50	2.63	2.68
130	4.65	4.49	4.46	4.29	4.24	4.07	4.01	3.84	3.79	3.66	3.69	3.64	3.87	4.00	4.05	4.25	4.32	4.54	4.59
135	7.27	7.06	7.01	6.79	6.72	6.48	6.41	6.19	6.16	5.99	6.05	5.98	6.26	6.45	6.50	6.76	6.85	7.12	7.18
140	10.3	10.1	10.00	9.75	9.67	9.41	9.33	9.09	9.05	8.89	8.94	8.89	9.17	9.38	9.44	9.73	9.84	10.1	10.2
145	13.4	13.2	13.1	12.8	12.8	12.5	12.5	12.2	12.2	12.0	12.1	12.0	12.3	12.5	12.6	12.8	13.0	13.3	13.3
150	16.1	15.9	15.8	15.6	15.5	15.4	15.3	15.2	15.1	15.0	15.1	15.0	15.3	15.4	15.5	15.7	15.8	16.1	16.1
155	17.7	17.6	17.5	17.5	17.5	17.4	17.4	17.3	17.3	17.2	17.3	17.3	17.5	17.6	17.6	17.7	17.8	17.9	18.0
160	17.7	17.7	17.7	17.9	18.0	18.1	18.1	18.2	18.2	18.2	18.1	18.1	18.2	18.2	18.2	18.3	18.3	18.4	18.3
165	16.5	16.6	16.7	17.0	17.2	17.5	17.6	17.8	17.7	17.7	17.6	17.6	17.5	17.6	17.5	17.5	17.5	17.5	17.4
170	15.0	15.0	15.1	15.2	15.4	15.7	15.8	16.0	16.0	16.1	16.2	16.2	16.1	16.1	16.1	15.9	15.8	15.6	15.5
175	13.8	13.8	13.9	14.2	14.3	14.3	14.3	14.4	14.5	14.8	14.8	14.7	14.7	14.7	14.8	14.8	14.5	14.3	14.1
180	14.1	14.0	14.1	14.3	14.1	14.0	14.0	13.9	14.0	14.3	14.1	14.0	14.1	14.0	14.1	14.3	14.1	14.0	14.0

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA03-15W	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	3716	3716	3716	3716	3716														
5	3456	3461	3453	3472	3479														
10	2889	2892	2866	2898	2896														
15	1919	1917	1859	1892	1874														
20	929	920	863	869	842														
25	410	397	369	368	356														
30	192	185	172	172	167														
35	101	98.4	91.4	90.2	87.3														
40	63.1	61.0	57.6	57.0	55.3														
45	42.6	41.6	40.2	40.0	39.0														
50	30.6	29.9	29.0	28.9	28.3														
55	22.5	22.0	21.3	21.1	20.7														
60	16.7	16.2	15.6	15.4	14.7														
65	11.7	11.4	10.7	10.4	9.21														
70	7.11	6.84	6.28	6.01	5.61														
75	4.00	3.86	3.49	3.22	2.42														
80	1.88	1.79	1.64	1.39	0.83														
85	0.60	0.59	0.46	0.38	0.33														
90	0.33	0.34	0.34	0.35	0.33														
95	0.38	0.39	0.38	0.39	0.37														
100	0.45	0.47	0.45	0.47	0.45														
105	0.54	0.56	0.54	0.56	0.55														
110	0.69	0.70	0.70	0.71	0.70														
115	0.96	0.97	0.98	0.98	0.98														
120	1.58	1.57	1.62	1.58	1.61														
125	2.79	2.80	2.87	2.84	2.86														
130	4.77	4.77	4.89	4.82	4.87														
135	7.41	7.40	7.55	7.47	7.53														
140	10.5	10.4	10.6	10.5	10.6														
145	13.6	13.6	13.7	13.6	13.7														
150	16.3	16.3	16.3	16.3	16.3														
155	18.0	17.9	17.9	17.8	17.9														
160	18.3	18.1	18.0	17.8	17.8														
165	17.2	17.0	16.7	16.7	16.7														
170	15.3	15.2	14.9	14.9	15.0														
175	14.1	14.1	14.1	13.8	13.8														
180	13.9	14.0	14.3	14.1	14.0														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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: