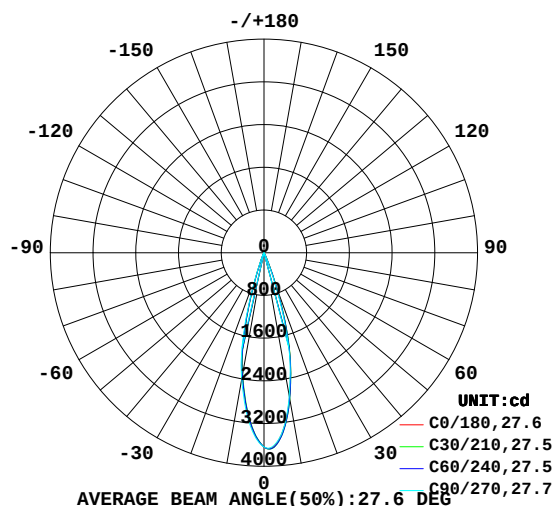


LUMINAIRE PHOTOMETRIC TEST REPORT

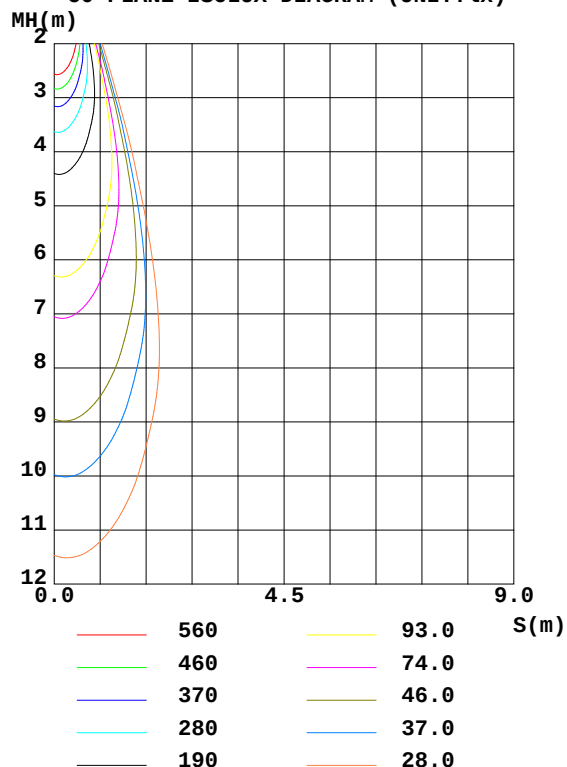
NAME: VM060-VF62RA04-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.28 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3689	S/MH(C0/180)	0.41
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.42
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	800.90	η UP, DN(C0-180)	1.2, 52.7
NOMINAL FLUX(lm)	800.897	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 44.8
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: 2021-08-09

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:

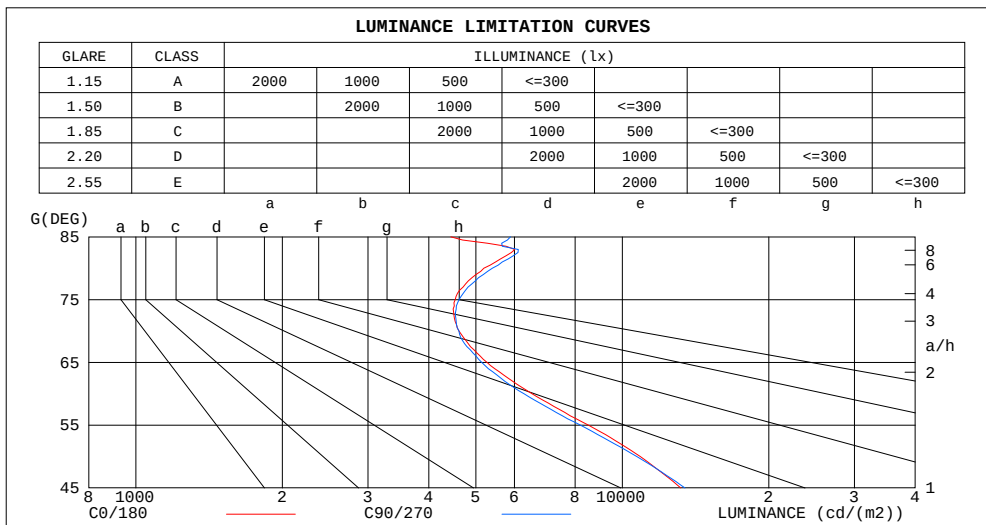
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2748	2820	2724	2565	2338	2298	2405	2537	0- 10	291.7	291.7	36.4,36.4
20	666.1	701.8	576.6	449.8	310.4	288.4	334.7	475.1	10- 20	399.9	691.6	86.4,86.4
30	55.67	52.86	43.74	40.94	37.47	37.28	38.35	43.86	20- 30	64.97	756.5	94.5,94.5
40	9.748	9.820	10.05	10.82	11.29	11.66	10.56	9.816	30- 40	13.00	769.5	96.1,96.1
50	4.944	4.857	4.930	5.145	5.508	5.786	5.442	5.234	40- 50	5.742	775.3	96.8,96.8
60	2.303	2.294	2.249	2.210	2.266	2.293	2.221	2.271	50- 60	3.171	778.5	97.2,97.2
70	1.115	1.112	1.131	1.107	1.081	1.051	0.9836	1.039	60- 70	1.550	780.0	97.4,97.4
80	0.6374	0.6430	0.6728	0.6713	0.6517	0.6436	0.5902	0.5827	70- 80	0.8715	780.9	97.5,97.5
90	0.1790	0.1697	0.1769	0.1769	0.1702	0.1609	0.1681	0.1586	80- 90	0.4023	781.3	97.6,97.6
100	0.1962	0.2005	0.1809	0.1979	0.2149	0.1938	0.2132	0.1889	90-100	0.1967	781.5	97.6,97.6
110	0.2115	0.2291	0.2092	0.2201	0.2378	0.2114	0.2345	0.2245	100-110	0.2207	781.7	97.6,97.6
120	0.3159	0.3329	0.3203	0.3672	0.4762	0.4531	0.4098	0.3641	110-120	0.2630	782.0	97.6,97.6
130	1.696	1.640	1.793	1.999	2.487	2.495	2.302	2.063	120-130	0.8801	782.8	97.7,97.7
140	5.628	5.544	5.813	6.176	6.931	6.999	6.655	6.258	130-140	3.039	785.9	98.1,98.1
150	10.42	10.38	10.59	10.88	11.46	11.48	11.27	10.90	140-150	5.390	791.3	98.8,98.8
160	12.25	12.39	12.49	12.51	12.40	12.50	12.57	12.38	150-160	5.579	796.9	99.5,99.5
170	9.780	9.744	9.805	9.572	9.486	9.340	9.384	9.382	160-170	3.237	800.1	99.9,99.9
180	7.540	7.614	7.317	7.530	7.564	7.599	7.319	7.514	170-180	0.8078	800.9	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-VF62RA04-15W	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	4442	5889
80	5192	5405
75	4533	4616
70	4613	4612
65	5268	5137
60	6515	6275
55	8512	8195
50	10881	10699
45	13186	13445

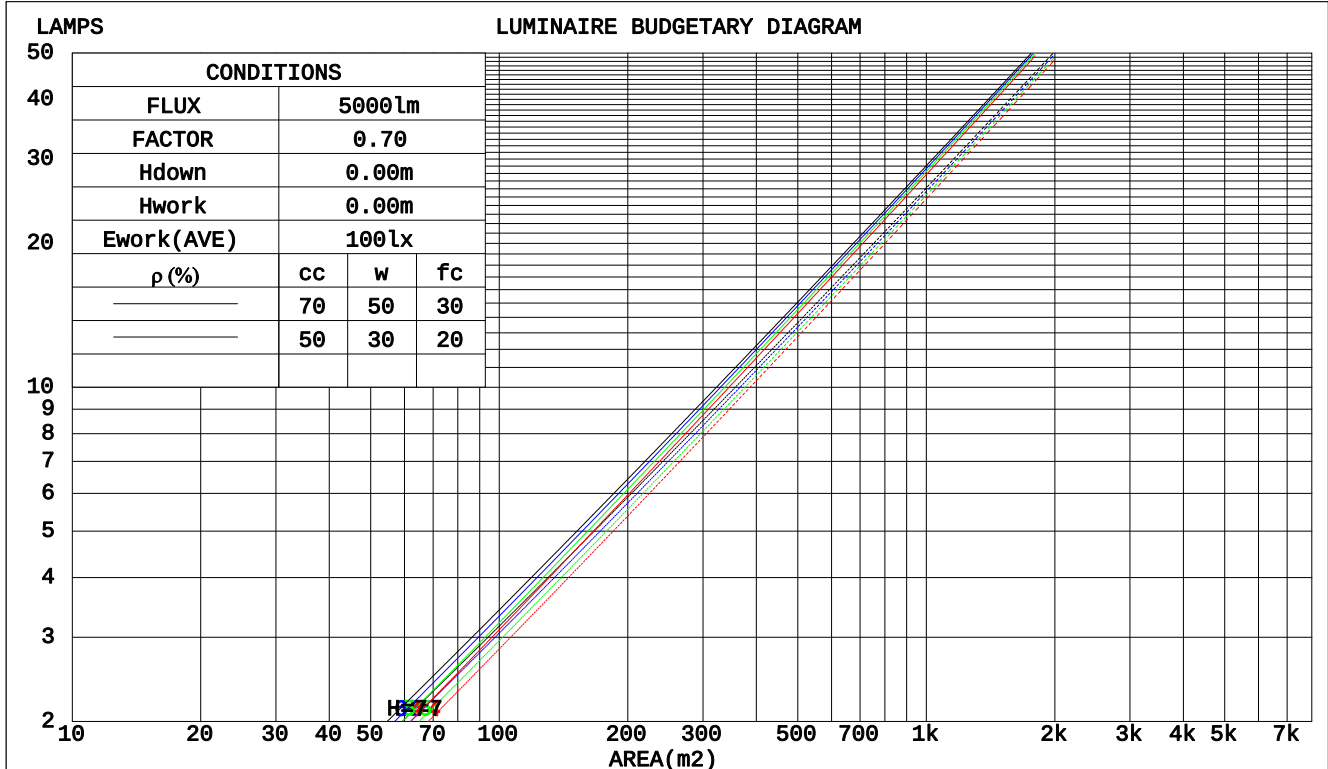
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA04-15W	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	1.09	1.10	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.98	.97	.96	.95
2.0	1.07	1.04	1.02	1.05	1.03	1.00	1.02	.00	.98	.99	.97	.96	.96	.94	.93	.92
3.0	1.03	.99	.96	1.01	.98	.96	.99	.96	.94	.96	.94	.92	.94	.92	.90	.89
4.0	.99	.95	.92	.98	.94	.92	.95	.93	.90	.93	.91	.89	.91	.89	.88	.87
5.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.87	.85	.84
6.0	.93	.88	.86	.92	.88	.85	.90	.87	.84	.89	.86	.84	.87	.85	.83	.82
7.0	.90	.86	.83	.89	.85	.83	.88	.84	.82	.87	.84	.82	.85	.83	.81	.80
8.0	.87	.83	.80	.87	.83	.80	.85	.82	.80	.84	.82	.79	.83	.81	.79	.78
9.0	.85	.81	.78	.84	.81	.78	.83	.80	.78	.82	.80	.77	.82	.79	.77	.76
10.0	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.76	.80	.77	.75	.74



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:

WEC AND CCEC

NAME: VM060-VF62RA04-15W	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	.136	.077	.024	.129	.073	.023	.115	.066	.021	.102	.059	.019	.090	.052	.017		
2.0	.125	.069	.021	.119	.065	.020	.107	.060	.019	.097	.054	.017	.087	.049	.016		
3.0	.116	.062	.018	.111	.059	.018	.101	.055	.017	.092	.050	.015	.084	.046	.014		
4.0	.108	.056	.017	.104	.054	.016	.095	.051	.015	.088	.047	.014	.081	.044	.013		
5.0	.101	.052	.015	.098	.050	.015	.091	.047	.014	.084	.044	.013	.078	.042	.012		
6.0	.096	.048	.014	.092	.047	.013	.086	.044	.013	.080	.042	.012	.075	.039	.012		
7.0	.091	.045	.013	.088	.044	.012	.082	.042	.012	.077	.040	.012	.072	.038	.011		
8.0	.086	.042	.012	.084	.041	.012	.079	.039	.011	.074	.038	.011	.070	.036	.010		
9.0	.082	.040	.011	.080	.039	.011	.076	.037	.011	.072	.036	.010	.068	.034	.010		
10.0	.079	.038	.010	.077	.037	.010	.073	.036	.010	.069	.034	.010	.066	.033	.009		

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	.187	.176	.167	.160	.151	.144	.109	.104	.099	.063	.060	.058	.020	.019	.019	
2.0	.169	.152	.137	.145	.131	.119	.099	.090	.083	.057	.053	.048	.018	.017	.016	
3.0	.154	.132	.115	.132	.114	.100	.091	.079	.070	.052	.046	.041	.017	.015	.014	
4.0	.141	.117	.098	.121	.101	.086	.083	.070	.060	.048	.041	.036	.016	.013	.012	
5.0	.131	.105	.086	.112	.091	.074	.077	.063	.053	.045	.037	.031	.014	.012	.010	
6.0	.122	.095	.075	.104	.082	.066	.072	.057	.046	.042	.034	.028	.013	.011	.009	
7.0	.114	.086	.067	.098	.075	.059	.068	.053	.042	.039	.031	.025	.013	.010	.008	
8.0	.107	.080	.061	.092	.069	.053	.064	.049	.038	.037	.029	.022	.012	.009	.007	
9.0	.102	.074	.055	.087	.064	.048	.061	.045	.034	.035	.027	.020	.011	.009	.007	
10.0	.097	.069	.051	.083	.060	.045	.058	.042	.032	.034	.025	.019	.011	.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-VF62RA04-15W						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	10.7	11.3	10.9	11.5	11.7	10.2	10.9	10.5	11.0	11.2	
3H	11.0	11.5	11.2	11.8	12.0	10.5	11.1	10.8	11.3	11.6	
4H	11.1	11.6	11.4	11.9	12.1	10.7	11.3	11.0	11.5	11.8	
6H	11.3	11.8	11.6	12.1	12.3	10.9	11.5	11.3	11.7	12.0	
8H	11.4	11.9	11.7	12.2	12.5	11.1	11.6	11.4	11.9	12.2	
12H	11.4	11.9	11.8	12.2	12.5	11.2	11.7	11.5	11.9	12.3	
4H 2H	10.7	11.3	11.0	11.5	11.8	10.3	10.9	10.6	11.1	11.3	
3H	11.1	11.6	11.4	11.9	12.2	10.7	11.2	11.1	11.5	11.8	
4H	11.3	11.8	11.7	12.1	12.4	11.0	11.4	11.4	11.8	12.1	
6H	11.6	12.0	12.0	12.4	12.8	11.3	11.7	11.8	12.1	12.5	
8H	11.8	12.2	12.2	12.5	13.0	11.6	11.9	12.0	12.3	12.7	
12H	11.9	12.2	12.4	12.7	13.1	11.7	12.1	12.2	12.5	12.9	
8H 4H	11.3	11.7	11.8	12.1	12.5	11.0	11.4	11.5	11.8	12.2	
6H	11.8	12.1	12.2	12.5	13.0	11.5	11.8	12.0	12.3	12.7	
8H	12.1	12.3	12.5	12.8	13.3	11.9	12.1	12.3	12.6	13.1	
12H	12.3	12.5	12.8	13.0	13.5	12.1	12.3	12.6	12.8	13.3	
12H 4H	11.3	11.7	11.8	12.1	12.5	11.0	11.4	11.5	11.8	12.2	
6H	11.8	12.1	12.3	12.5	13.0	11.6	11.8	12.1	12.3	12.8	
8H	12.1	12.4	12.6	12.8	13.4	11.9	12.2	12.4	12.7	13.2	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 0.9					+ 0.7 / - 0.9					
1.5H	+ 1.4 / - 0.6					+ 1.2 / - 0.6					
2.0H	+ 1.2 / - 0.9					+ 1.2 / - 0.9					

CIE Pub.117, 800.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.8)

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-VF62RA04-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

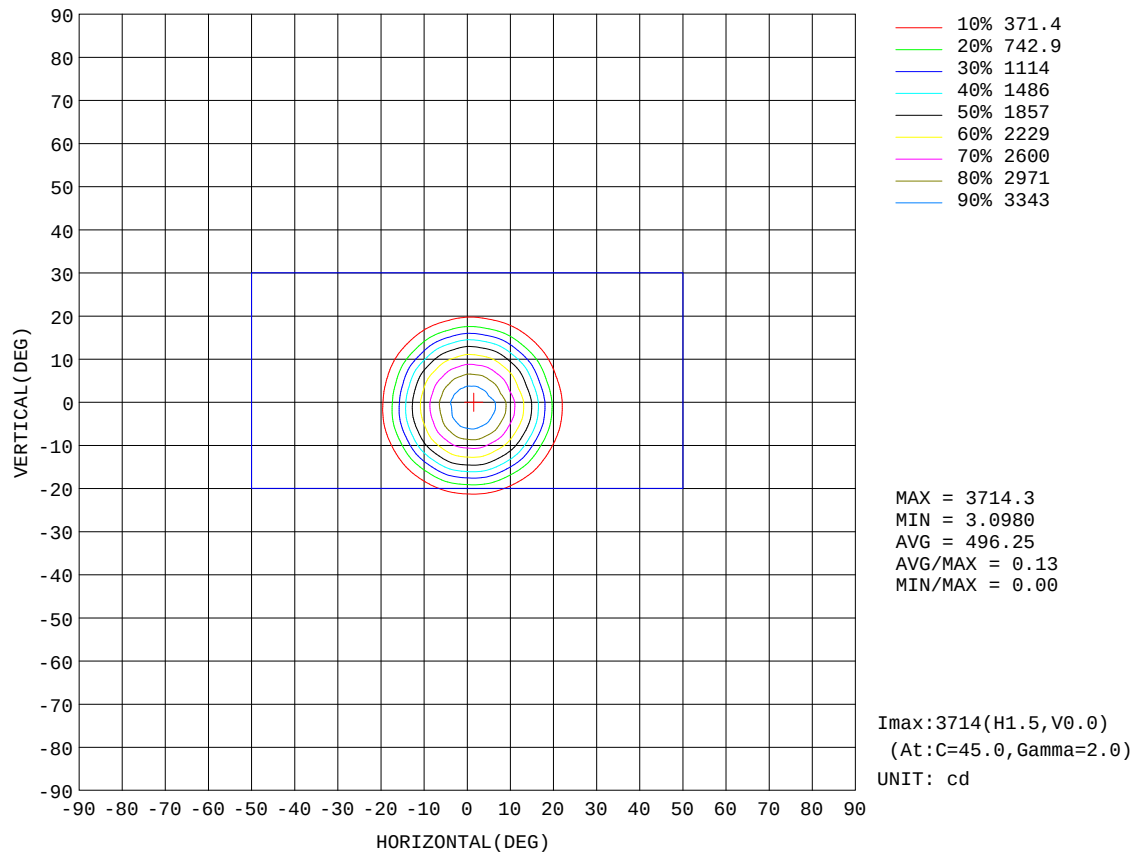
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	80	89	83	80	88	83	79	76
0.80	96	91	87	95	90	87	94	90	87	83
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	105	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:2021-08-09

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-VF62RA04-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

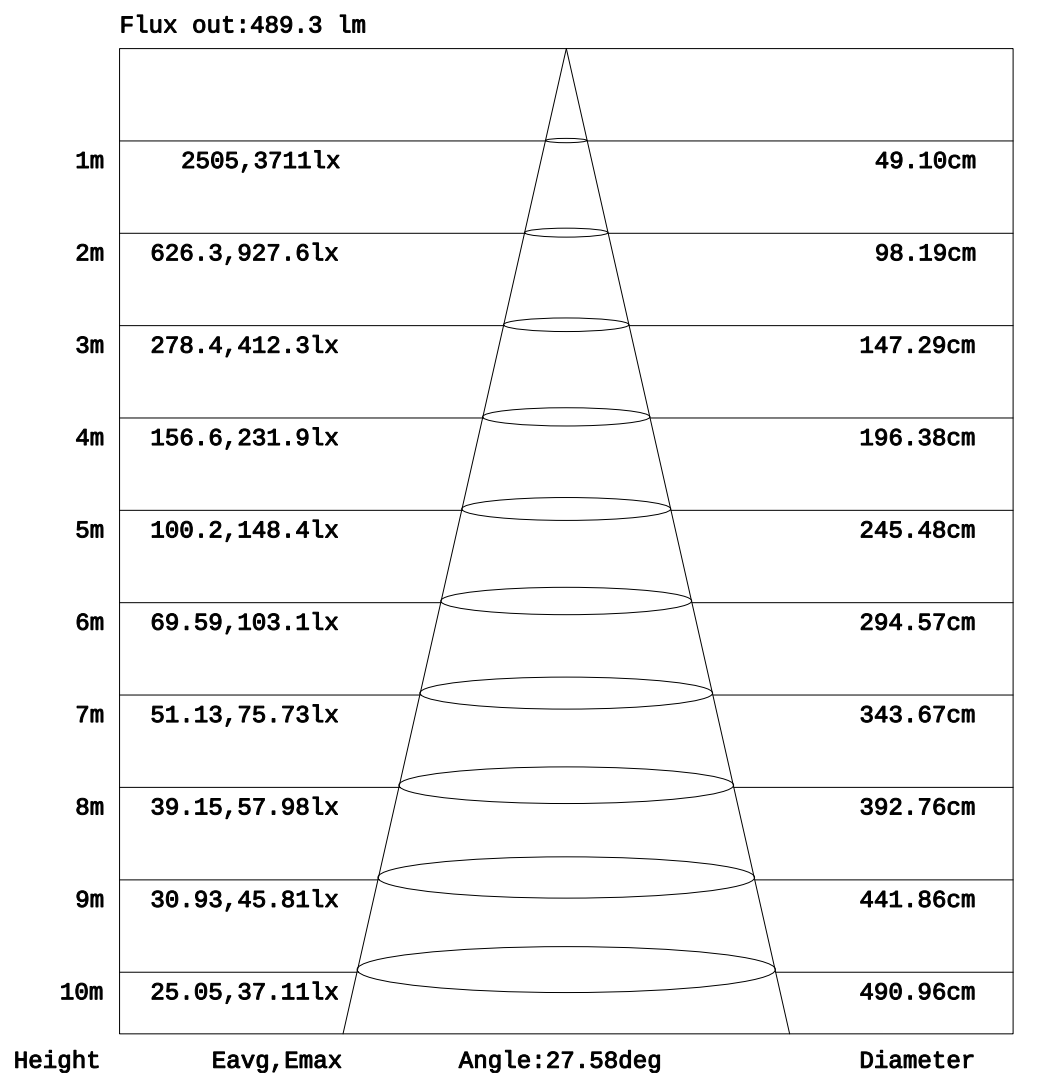


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-09

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-VF62RA04-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



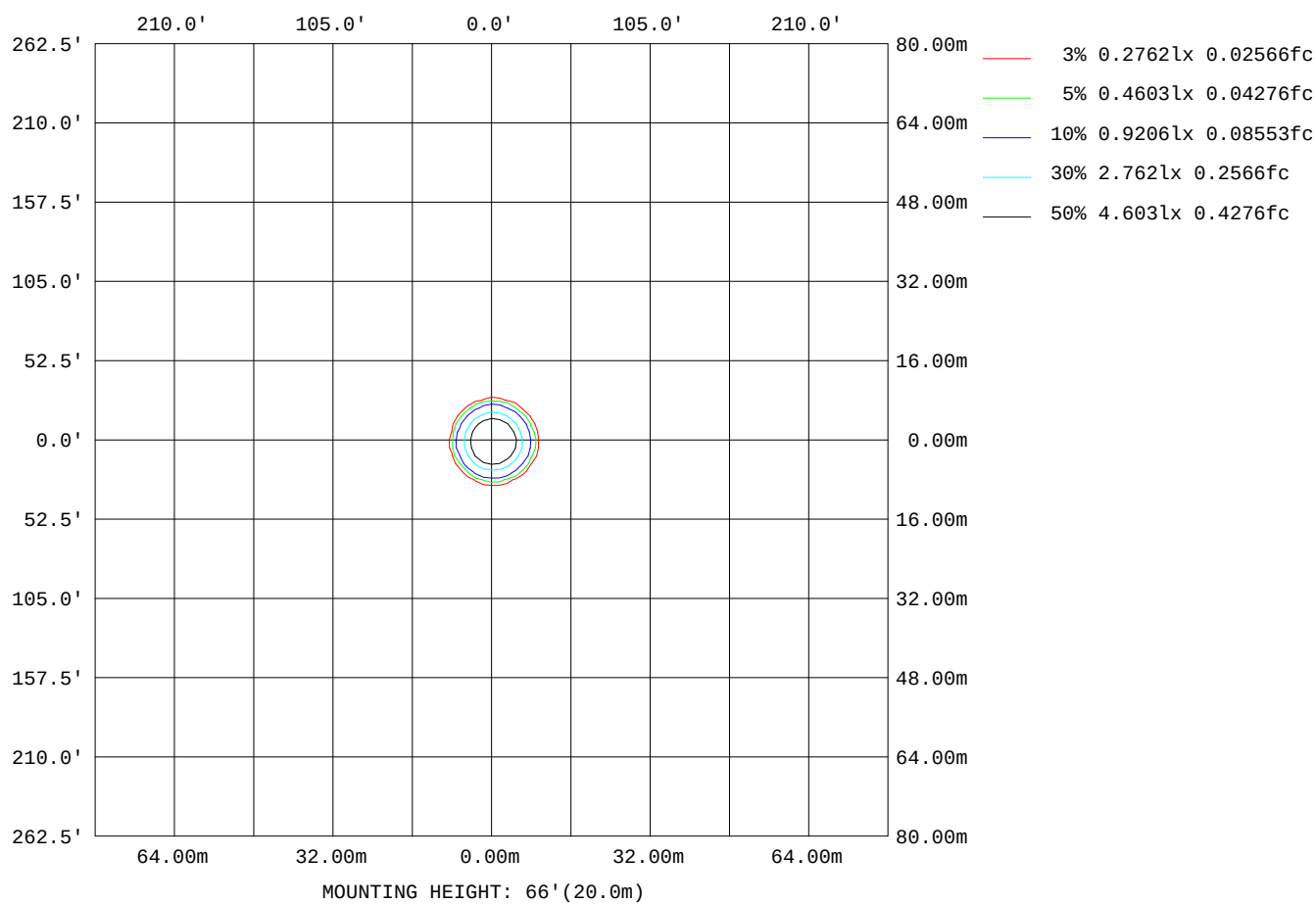
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF62RA04-15W	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-VF62RA04-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

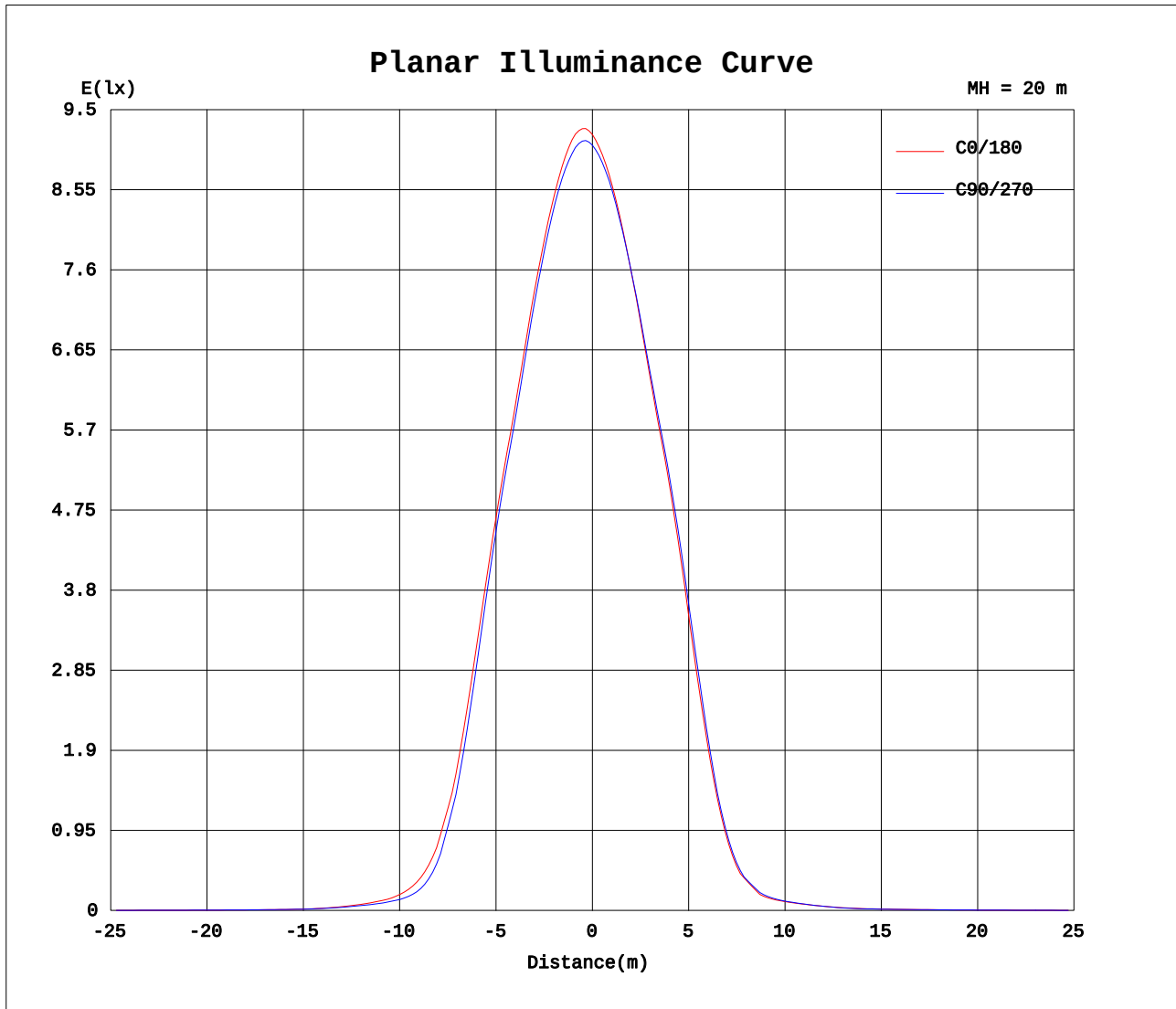
AvgL	cd/m2
L_0~180(65)av	5100
L_0~180(75)av	4461
L_0~180(85)av	4530
L_90~270(65)av	4949
L_90~270(75)av	4297
L_90~270(85)av	5495
L_45(65)av	5027
L_45(75)av	4374
L_45(85)av	5596

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-VF62RA04-15W	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	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636
5	3469	3509	3497	3524	3497	3505	3463	3449	3382	3343	3262	3223	3151	3115	3121	3109	3134	3144	3191
10	2748	2804	2783	2820	2774	2792	2724	2709	2612	2565	2459	2425	2338	2298	2310	2298	2337	2349	2405
15	1814	1875	1839	1869	1816	1832	1757	1747	1631	1577	1450	1401	1276	1222	1251	1223	1277	1273	1358
20	666	713	682	702	641	634	577	550	495	450	396	365	310	289	303	288	306	299	335
25	154	165	149	157	124	123	104	103	91.3	86.6	79.1	78.0	72.8	72.2	75.3	74.8	76.2	75.5	80.7
30	55.7	56.3	53.8	52.9	48.2	46.6	43.7	43.4	41.4	40.9	39.1	39.1	37.5	36.8	37.7	37.3	38.3	37.4	38.4
35	20.6	21.6	20.8	21.0	19.7	19.6	18.6	18.6	17.8	18.0	17.6	17.9	17.3	17.2	17.6	17.4	17.3	16.4	16.1
40	9.75	9.84	9.65	9.82	9.74	9.98	10.0	10.4	10.5	10.8	11.0	11.3	11.3	11.4	11.7	11.7	11.5	11.0	10.6
45	6.59	6.57	6.47	6.56	6.56	6.76	6.82	7.05	7.15	7.45	7.59	7.90	8.04	8.18	8.42	8.43	8.37	7.97	7.69
50	4.94	4.91	4.83	4.86	4.83	4.93	4.93	5.02	5.01	5.14	5.19	5.41	5.51	5.58	5.78	5.79	5.82	5.57	5.44
55	3.45	3.46	3.38	3.41	3.36	3.41	3.37	3.38	3.34	3.37	3.37	3.48	3.50	3.57	3.65	3.65	3.64	3.54	3.50
60	2.30	2.33	2.27	2.29	2.25	2.29	2.25	2.25	2.19	2.21	2.19	2.27	2.27	2.27	2.34	2.29	2.29	2.21	2.22
65	1.57	1.59	1.56	1.56	1.55	1.57	1.56	1.55	1.51	1.52	1.52	1.53	1.51	1.52	1.54	1.50	1.47	1.44	1.44
70	1.12	1.12	1.12	1.11	1.12	1.12	1.13	1.12	1.11	1.11	1.11	1.11	1.08	1.08	1.07	1.05	1.02	1.00	0.98
75	0.83	0.82	0.83	0.83	0.85	0.84	0.86	0.84	0.86	0.85	0.87	0.85	0.82	0.82	0.80	0.80	0.76	0.77	0.74
80	0.64	0.63	0.65	0.64	0.66	0.65	0.67	0.66	0.68	0.67	0.69	0.68	0.65	0.66	0.64	0.64	0.62	0.62	0.59
85	0.27	0.37	0.38	0.36	0.37	0.36	0.37	0.36	0.36	0.36	0.37	0.37	0.29	0.34	0.32	0.32	0.31	0.32	0.32
90	0.18	0.17	0.18	0.17	0.18	0.17	0.18	0.18	0.17	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.17	0.16	0.17
95	0.18	0.19	0.17	0.19	0.17	0.19	0.18	0.19	0.17	0.18	0.17	0.19	0.20	0.17	0.19	0.17	0.19	0.17	0.19
100	0.20	0.20	0.18	0.20	0.18	0.20	0.18	0.20	0.18	0.20	0.18	0.20	0.21	0.20	0.21	0.19	0.20	0.19	0.21
105	0.21	0.22	0.20	0.22	0.20	0.21	0.20	0.21	0.19	0.20	0.19	0.21	0.22	0.21	0.21	0.21	0.22	0.21	0.22
110	0.21	0.23	0.21	0.23	0.21	0.23	0.21	0.22	0.20	0.22	0.21	0.22	0.24	0.21	0.23	0.21	0.23	0.21	0.23
115	0.24	0.26	0.24	0.26	0.24	0.25	0.23	0.25	0.24	0.25	0.24	0.26	0.28	0.26	0.27	0.25	0.26	0.24	0.26
120	0.32	0.33	0.32	0.33	0.32	0.33	0.32	0.34	0.34	0.37	0.38	0.40	0.48	0.47	0.47	0.45	0.44	0.42	0.41
125	0.69	0.67	0.68	0.67	0.69	0.69	0.73	0.74	0.81	0.84	0.93	0.95	1.13	1.18	1.13	1.14	1.08	1.08	1.00
130	1.70	1.63	1.67	1.64	1.70	1.70	1.79	1.82	1.94	2.00	2.14	2.20	2.49	2.53	2.49	2.50	2.42	2.39	2.30
135	3.37	3.29	3.32	3.30	3.38	3.40	3.53	3.57	3.74	3.83	4.05	4.13	4.50	4.58	4.51	4.54	4.42	4.41	4.26
140	5.63	5.54	5.58	5.54	5.64	5.67	5.81	5.87	6.07	6.18	6.42	6.53	6.93	7.02	6.96	7.00	6.85	6.83	6.65
145	8.13	8.05	8.08	8.06	8.15	8.18	8.32	8.39	8.57	8.67	8.90	9.00	9.39	9.46	9.40	9.43	9.30	9.27	9.12
150	10.4	10.4	10.4	10.4	10.4	10.5	10.6	10.7	10.8	10.9	11.1	11.1	11.5	11.5	11.5	11.5	11.4	11.4	11.3
155	12.0	12.0	11.9	12.0	12.0	12.1	12.2	12.2	12.3	12.3	12.4	12.4	12.7	12.7	12.6	12.6	12.6	12.7	12.6
160	12.3	12.3	12.2	12.4	12.4	12.5	12.5	12.6	12.5	12.5	12.3	12.3	12.4	12.4	12.4	12.5	12.5	12.6	12.6
165	11.3	11.4	11.4	11.5	11.6	11.7	11.7	11.8	11.6	11.5	11.3	11.2	11.2	11.2	11.3	11.3	11.3	11.4	11.4
170	9.78	9.82	9.72	9.74	9.71	9.82	9.81	9.83	9.63	9.57	9.50	9.47	9.49	9.43	9.44	9.34	9.34	9.35	9.38
175	8.08	8.09	8.01	8.13	8.07	7.98	7.87	7.89	7.87	8.00	7.96	7.83	7.88	7.88	7.96	7.99	7.80	7.69	7.63
180	7.54	7.50	7.47	7.61	7.43	7.30	7.32	7.26	7.30	7.53	7.40	7.34	7.56	7.48	7.49	7.60	7.43	7.29	7.32

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-VF62RA04-15W	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	3636	3636	3636	3636	3636														
5	3214	3271	3301	3365	3392														
10	2430	2503	2537	2619	2647														
15	1388	1497	1549	1661	1694														
20	350	416	475	539	582														
25	84.5	94.8	104	129	134														
30	38.9	42.3	43.9	47.8	49.8														
35	15.6	16.4	16.6	17.7	18.2														
40	10.1	10.1	9.82	9.72	9.44														
45	7.42	7.32	7.09	6.86	6.58														
50	5.32	5.34	5.23	5.10	4.90														
55	3.49	3.55	3.52	3.50	3.38														
60	2.21	2.29	2.27	2.30	2.23														
65	1.44	1.49	1.50	1.52	1.51														
70	1.00	1.01	1.04	1.05	1.06														
75	0.74	0.74	0.76	0.76	0.78														
80	0.59	0.57	0.58	0.57	0.59														
85	0.33	0.34	0.35	0.34	0.35														
90	0.17	0.17	0.16	0.15	0.16														
95	0.17	0.19	0.16	0.18	0.16														
100	0.20	0.20	0.19	0.20	0.19														
105	0.21	0.22	0.20	0.22	0.21														
110	0.21	0.23	0.22	0.24	0.24														
115	0.24	0.26	0.24	0.26	0.24														
120	0.39	0.38	0.36	0.36	0.34														
125	0.99	0.91	0.89	0.82	0.80														
130	2.25	2.13	2.06	1.94	1.89														
135	4.20	4.02	3.92	3.73	3.64														
140	6.60	6.38	6.26	6.04	5.94														
145	9.05	8.85	8.73	8.52	8.42														
150	11.2	11.0	10.9	10.8	10.7														
155	12.5	12.4	12.3	12.2	12.2														
160	12.6	12.5	12.4	12.3	12.3														
165	11.4	11.4	11.3	11.3	11.3														
170	9.34	9.41	9.38	9.51	9.62														
175	7.66	7.80	7.88	7.78	7.87														
180	7.24	7.31	7.51	7.40	7.34														

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: