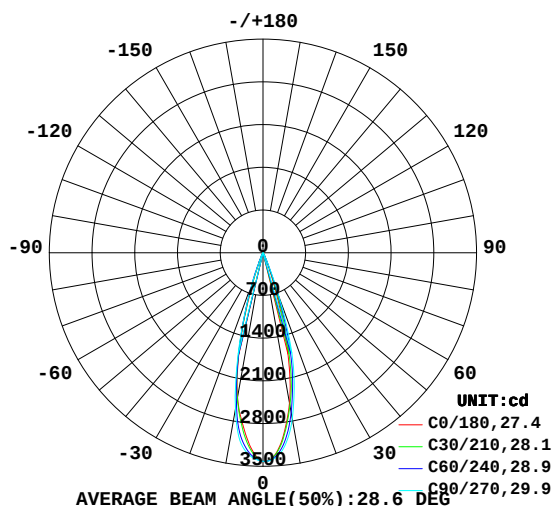


LUMINAIRE PHOTOMETRIC TEST REPORT

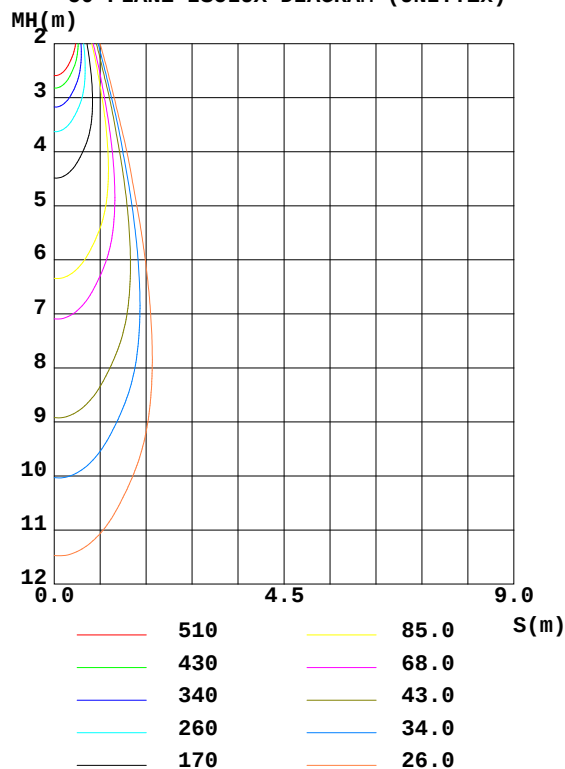
NAME: VM060-VF62RA05-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.74 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3423	S/MH(C0/180)	0.42
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	803.31	η UP, DN(C0-180)	1.2, 53.2
NOMINAL FLUX(lm)	803.306	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 44.4
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:

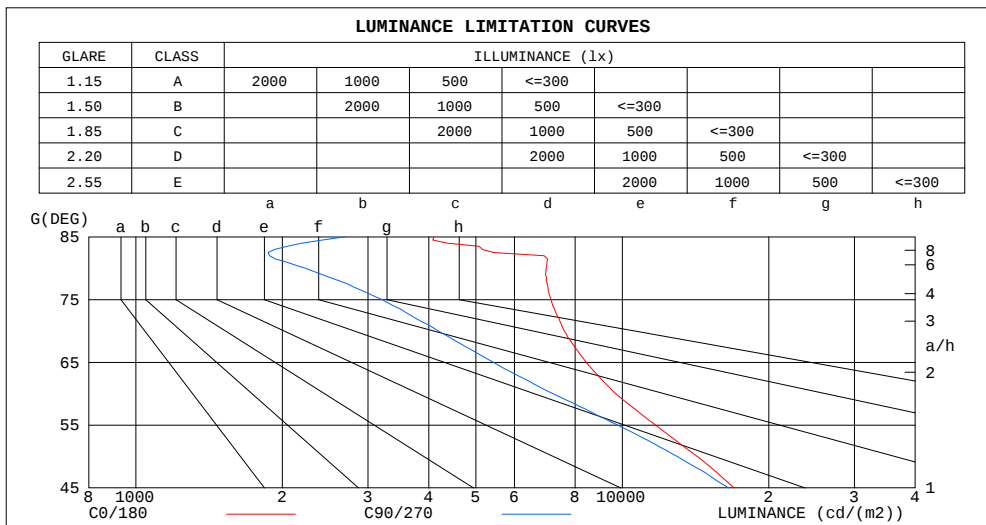
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2506	2613	2764	2653	2405	2418	2607	2318	0- 10	283.8	283.8	35.3, 35.3
20	438.4	631.3	781.4	700.6	363.0	449.2	437.7	327.4	10- 20	399.9	683.8	85.1, 85.1
30	43.93	51.11	53.37	48.51	35.01	40.61	46.59	38.87	20- 30	70.82	754.6	93.9, 93.9
40	11.37	11.21	12.71	13.04	12.36	12.75	13.45	11.53	30- 40	14.30	768.9	95.7, 95.7
50	6.809	6.019	6.192	6.433	6.260	6.621	6.953	6.450	40- 50	6.880	775.8	96.6, 96.6
60	3.602	2.909	2.676	2.791	3.068	3.405	3.841	3.602	50- 60	4.172	779.9	97.1, 97.1
70	1.930	1.319	1.063	1.191	1.502	1.689	1.871	1.901	60- 70	2.271	782.2	97.4, 97.4
80	0.8992	0.4497	0.2876	0.3865	0.5862	0.6892	0.7476	0.7638	70- 80	1.096	783.3	97.5, 97.5
90	0.1810	0.1836	0.1755	0.1813	0.1700	0.1620	0.1723	0.1640	80- 90	0.3399	783.6	97.6, 97.6
100	0.1985	0.2097	0.2009	0.2101	0.2229	0.2008	0.2143	0.1968	90-100	0.2040	783.8	97.6, 97.6
110	0.2184	0.2450	0.2296	0.2411	0.2516	0.2207	0.2430	0.2201	100-110	0.2304	784.1	97.6, 97.6
120	0.3394	0.3801	0.3838	0.3608	0.4132	0.4562	0.5066	0.4571	110-120	0.2823	784.3	97.6, 97.6
130	1.873	1.874	1.935	1.699	2.105	2.383	2.577	2.478	120-130	0.9266	785.3	97.8, 97.8
140	6.017	5.864	5.845	5.635	6.371	6.627	6.764	6.833	130-140	3.069	788.3	98.1, 98.1
150	10.80	10.49	10.37	10.36	11.10	11.17	11.22	11.33	140-150	5.365	793.7	98.8, 98.8
160	12.26	12.23	12.32	12.54	12.59	12.48	12.33	12.22	150-160	5.543	799.3	99.5, 99.5
170	9.645	9.456	9.777	10.09	9.954	9.682	9.340	9.011	160-170	3.231	802.5	99.9, 99.9
180	7.636	7.769	7.637	7.738	7.650	7.780	7.626	7.734	170-180	0.8217	803.3	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-VF62RA05-15W	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	4100	2692
80	6971	2229
75	7135	3207
70	7597	4183
65	8435	5433
60	9698	7203
55	11699	9773
50	14260	12962
45	16954	16549

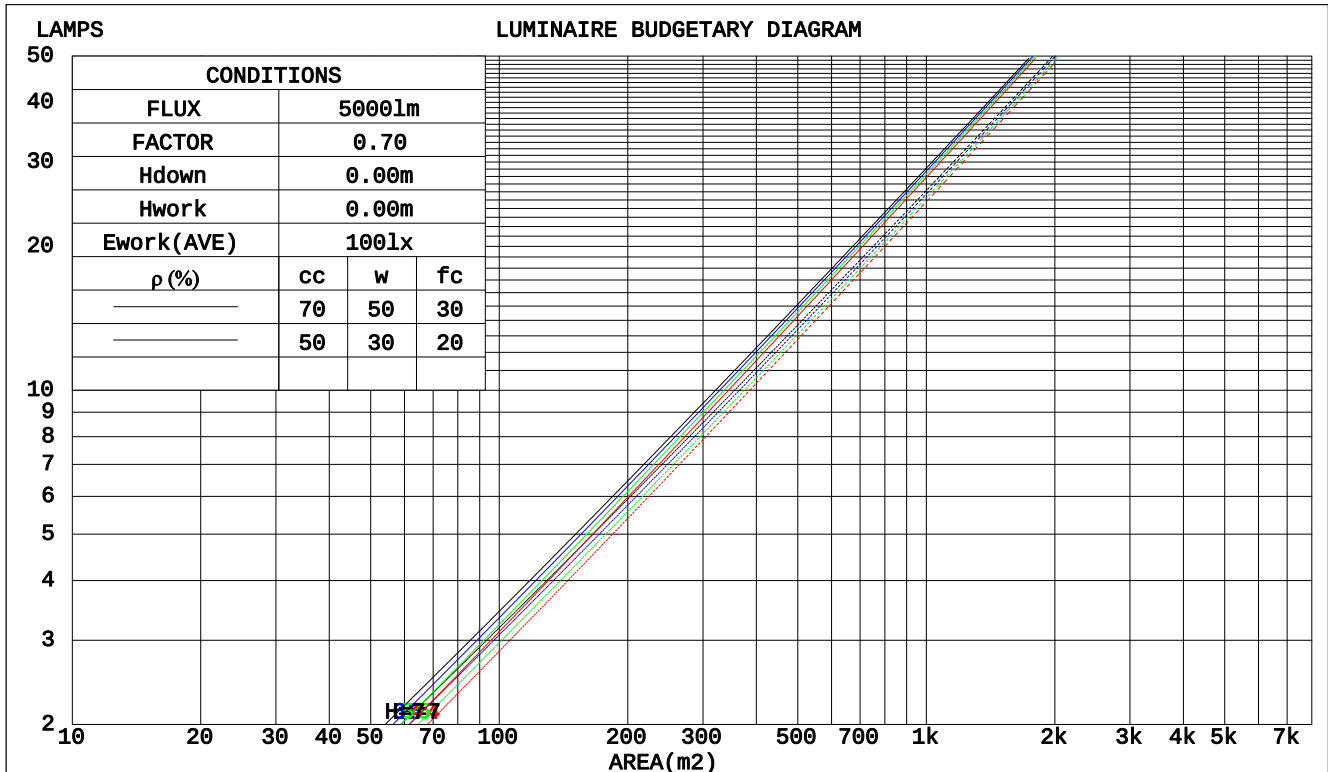
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA05-15W	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	1.05	1.04	1.03	1.01	1.00	.00	.98	.97	.96	.94
2.0	1.07	1.04	1.02	1.05	1.03	1.00	1.02	.00	.98	.98	.97	.95	.95	.94	.93	.91
3.0	1.03	.99	.96	1.01	.98	.95	.98	.96	.93	.96	.94	.92	.93	.92	.90	.89
4.0	.99	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.91	.89	.87	.86
5.0	.95	.91	.88	.94	.90	.88	.92	.89	.87	.91	.88	.86	.89	.87	.85	.84
6.0	.92	.88	.85	.91	.87	.85	.90	.86	.84	.88	.85	.83	.87	.84	.82	.81
7.0	.89	.85	.82	.88	.85	.82	.87	.84	.81	.86	.83	.81	.85	.82	.80	.79
8.0	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.83	.80	.78	.77
9.0	.84	.80	.78	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.78	.76	.75
10.0	.82	.78	.76	.82	.78	.75	.81	.77	.75	.80	.77	.75	.79	.76	.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-VF62RA05-15W	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	.138	.078	.025	.130	.074	.024	.116	.067	.021	.104	.060	.019	.092	.053	.017		
2.0	.127	.069	.021	.121	.066	.020	.109	.061	.019	.099	.055	.017	.089	.050	.016		
3.0	.118	.063	.019	.112	.060	.018	.103	.056	.017	.094	.051	.016	.085	.047	.015		
4.0	.110	.057	.017	.105	.055	.016	.097	.052	.015	.089	.048	.014	.082	.045	.014		
5.0	.103	.053	.015	.099	.051	.015	.092	.048	.014	.085	.045	.013	.079	.042	.013		
6.0	.097	.049	.014	.094	.047	.014	.088	.045	.013	.082	.043	.013	.076	.040	.012		
7.0	.092	.046	.013	.089	.044	.013	.084	.042	.012	.079	.040	.012	.074	.038	.011		
8.0	.088	.043	.012	.085	.042	.012	.080	.040	.011	.076	.038	.011	.071	.037	.011		
9.0	.084	.040	.011	.081	.040	.011	.077	.038	.011	.073	.037	.010	.069	.035	.010		
10.0	.080	.038	.011	.078	.038	.011	.074	.036	.010	.070	.035	.010	.067	.034	.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	.187	.176	.167	.160	.151	.144	.110	.104	.099	.063	.060	.058	.020	.019	.019	
2.0	.169	.152	.137	.145	.131	.118	.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	.013	
4.0	.142	.117	.098	.122	.101	.085	.084	.070	.060	.048	.041	.036	.016	.013	.012	
5.0	.131	.105	.085	.113	.091	.074	.078	.063	.052	.045	.037	.031	.014	.012	.010	
6.0	.122	.095	.075	.105	.082	.065	.072	.057	.046	.042	.034	.028	.014	.011	.009	
7.0	.114	.087	.067	.098	.075	.058	.068	.053	.041	.040	.031	.025	.013	.010	.008	
8.0	.108	.080	.061	.093	.069	.053	.064	.049	.037	.037	.029	.022	.012	.009	.007	
9.0	.102	.074	.055	.088	.064	.048	.061	.045	.034	.036	.027	.020	.012	.009	.007	
10.0	.097	.069	.051	.084	.060	.044	.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-vF62RA05-15W						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	11.2	11.8	11.4	12.0	12.2	11.5	12.1	11.7	12.3	12.5	
3H	11.8	12.4	12.1	12.6	12.8	11.7	12.2	11.9	12.5	12.7	
4H	12.1	12.7	12.4	12.9	13.2	11.7	12.3	12.0	12.5	12.7	
6H	12.4	12.9	12.7	13.2	13.5	11.7	12.2	12.0	12.5	12.7	
8H	12.5	13.0	12.8	13.3	13.6	11.6	12.2	12.0	12.4	12.7	
12H	12.5	13.0	12.8	13.3	13.6	11.6	12.1	12.0	12.4	12.7	
4H	2H	11.3	11.8	11.6	12.1	12.3	11.6	12.1	11.9	12.4	12.6
	3H	12.0	12.5	12.4	12.8	13.1	11.8	12.3	12.2	12.6	12.9
	4H	12.4	12.9	12.8	13.2	13.5	11.9	12.3	12.3	12.7	13.0
	6H	12.8	13.2	13.2	13.5	13.9	11.9	12.3	12.3	12.7	13.0
	8H	12.9	13.3	13.3	13.7	14.1	11.9	12.2	12.3	12.6	13.0
	12H	12.9	13.3	13.4	13.7	14.1	11.8	12.2	12.3	12.6	13.0
8H	4H	12.4	12.7	12.8	13.1	13.5	11.9	12.2	12.3	12.6	13.0
	6H	12.8	13.1	13.3	13.5	14.0	11.9	12.2	12.4	12.7	13.1
	8H	13.0	13.3	13.5	13.7	14.2	11.9	12.2	12.4	12.6	13.1
	12H	13.1	13.3	13.6	13.8	14.3	11.9	12.1	12.4	12.6	13.1
12H	4H	12.3	12.7	12.8	13.1	13.5	11.8	12.2	12.3	12.6	13.0
	6H	12.8	13.0	13.2	13.5	14.0	11.9	12.2	12.4	12.6	13.1
	8H	13.0	13.2	13.5	13.7	14.2	11.9	12.1	12.4	12.6	13.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 1.4 / - 1.5					
1.5H	+ 0.7 / - 0.6					+ 2.0 / - 1.0					
2.0H	+ 1.3 / - 1.2					+ 1.9 / - 1.7					

CIE Pub.117, 803.3 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-VF62RA05-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

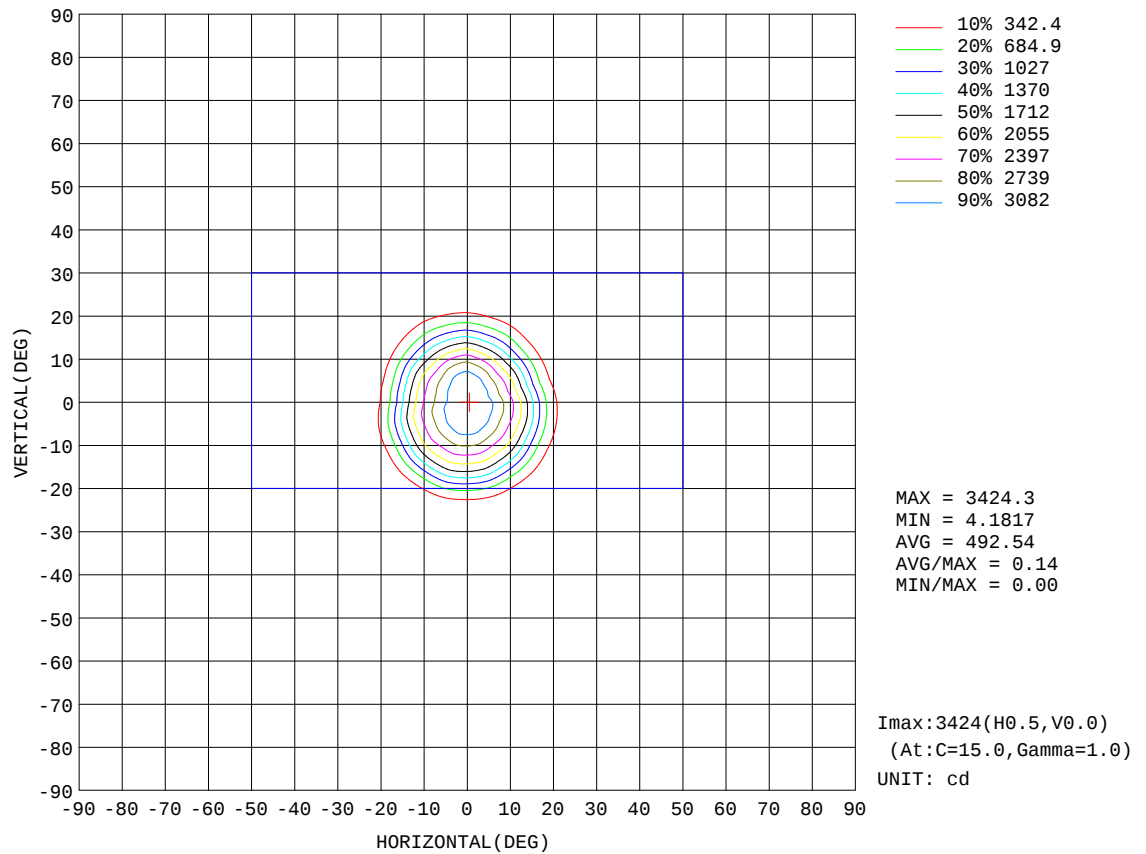
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	88	83	79	87	82	79	76
0.80	96	91	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	97	94	90	86
1.25	104	99	95	102	98	95	100	97	94	90
1.50	106	102	99	105	101	98	102	99	97	92
2.00	108	105	101	107	103	101	104	101	99	93
2.50	110	106	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:2021-08-09

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-VF62RA05-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

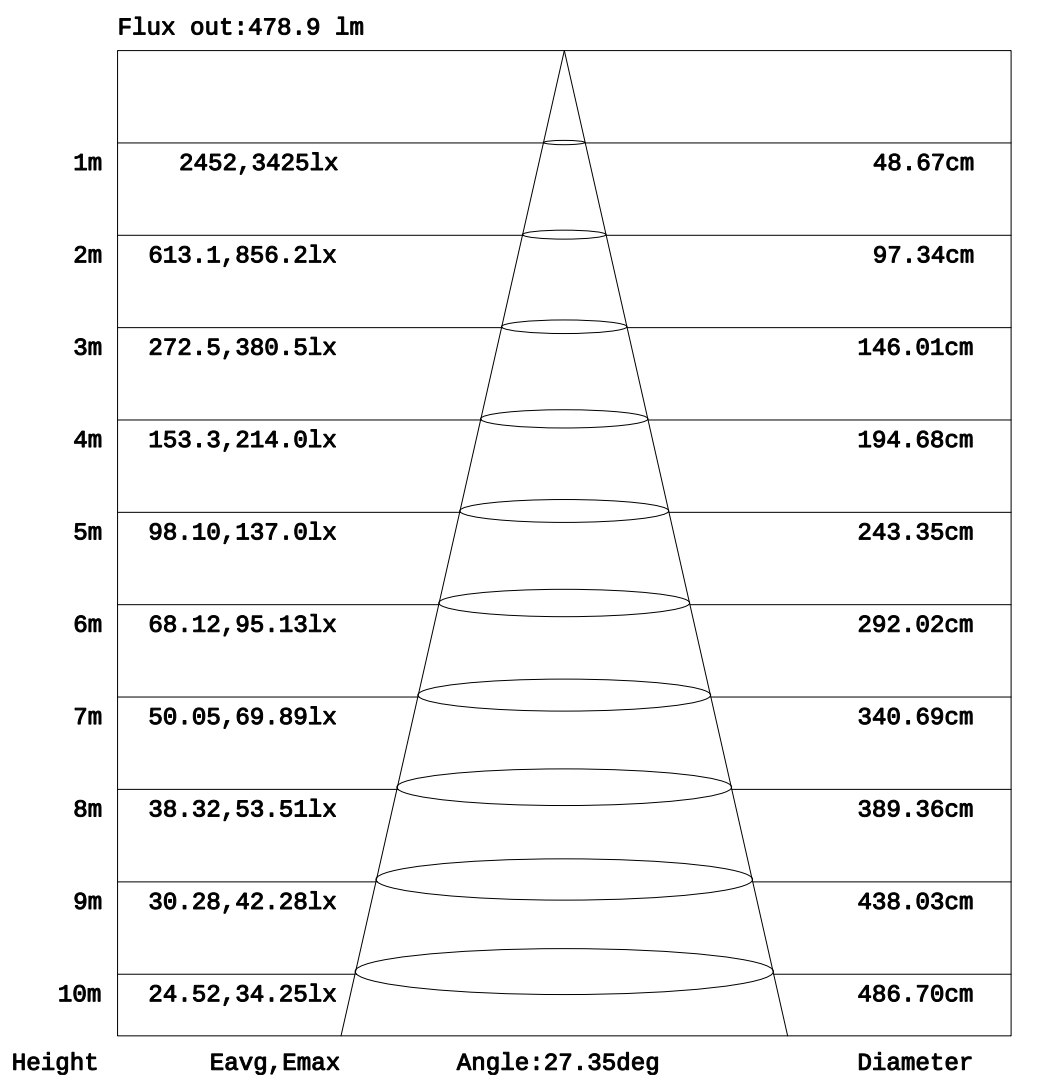


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-09

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-VF62RA05-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



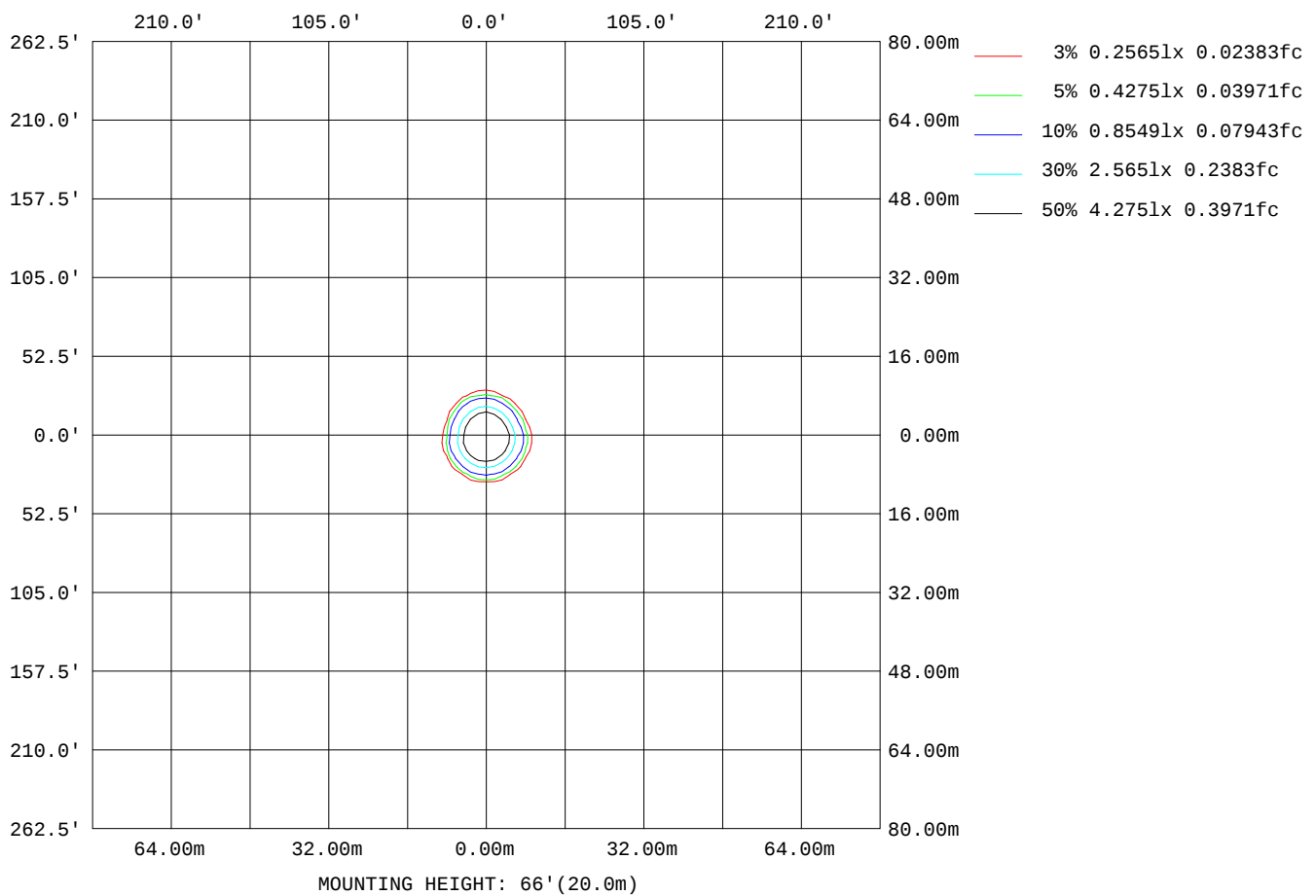
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF62RA05-15W	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:

LED Avg.L Report

NAME: VM060-VF62RA05-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

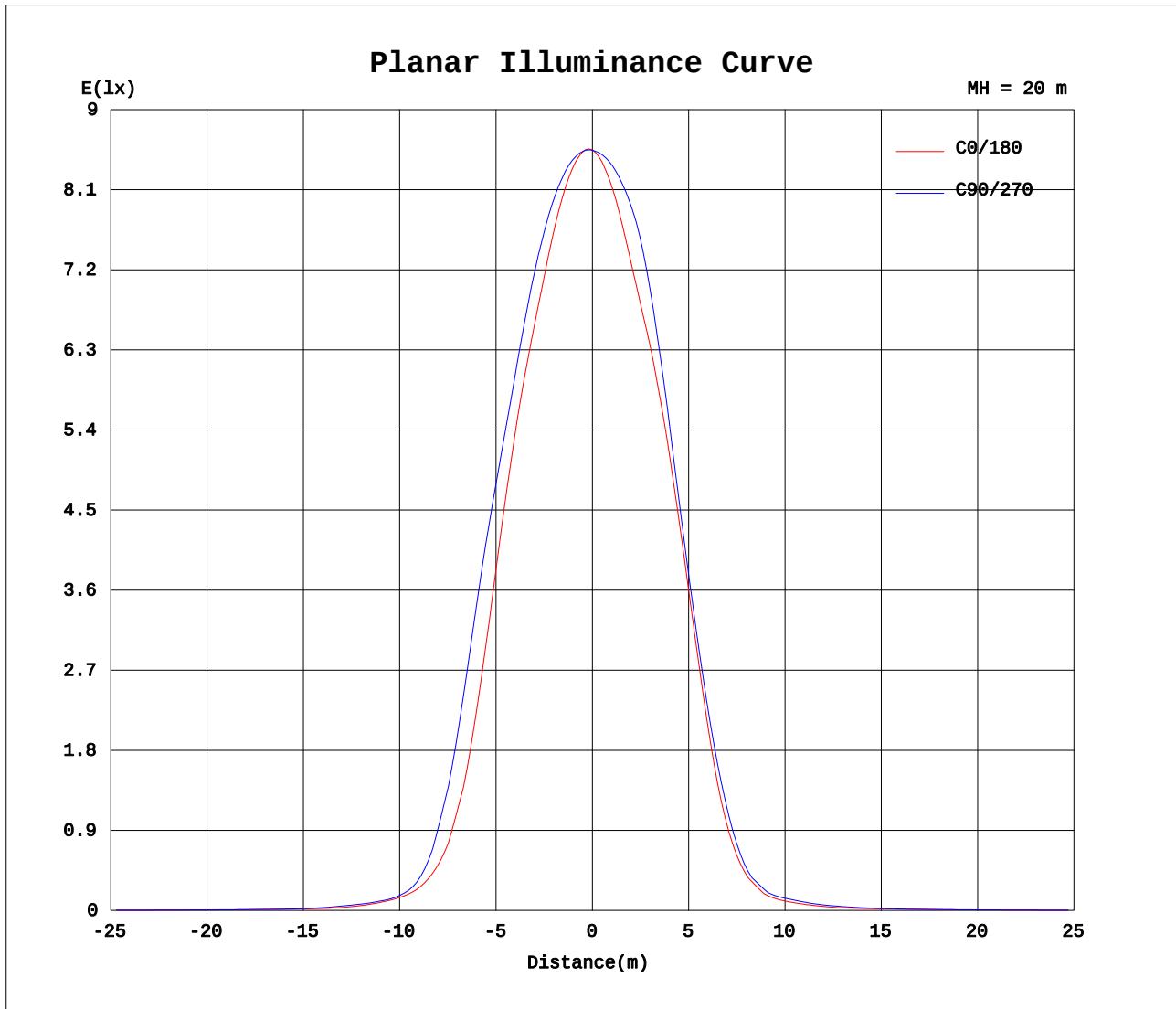
AvgL	cd/m2
L_0~180(65)av	7649
L_0~180(75)av	6159
L_0~180(85)av	3853
L_90~270(65)av	7026
L_90~270(75)av	4853
L_90~270(85)av	4367
L_45(65)av	7052
L_45(75)av	5179
L_45(85)av	4094

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-VF62RA05-15W	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	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417	3417
5	3177	3198	3196	3237	3252	3289	3293	3302	3266	3242	3177	3152	3044	3044	3099	3142	3213	3246	3264
10	2506	2547	2542	2613	2658	2755	2764	2778	2695	2653	2580	2560	2405	2387	2429	2418	2517	2571	2607
15	1437	1548	1601	1741	1791	1901	1927	1973	1890	1837	1684	1601	1346	1313	1380	1363	1387	1397	1424
20	438	485	543	631	675	773	781	822	742	701	588	513	363	348	402	449	485	456	438
25	113	126	123	145	138	163	143	162	140	145	110	104	79.8	75.9	80.4	92.6	102	97.7	97.6
30	43.9	46.4	47.0	51.1	52.2	54.2	53.4	54.3	51.4	48.5	43.0	40.2	35.0	35.5	39.2	40.6	45.8	46.5	46.6
35	17.2	17.6	18.2	20.8	22.4	24.4	24.8	25.5	23.8	22.2	19.3	18.4	17.5	17.5	19.2	21.5	23.5	23.7	23.5
40	11.4	11.1	10.7	11.2	11.7	12.4	12.7	13.3	13.2	13.0	12.6	12.5	12.4	12.1	12.3	12.8	13.6	13.5	13.4
45	8.91	8.50	8.01	8.01	8.15	8.51	8.70	9.05	9.13	9.17	9.00	9.08	8.98	8.89	8.85	8.92	9.28	9.27	9.22
50	6.81	6.45	6.03	6.02	6.03	6.17	6.19	6.42	6.42	6.43	6.21	6.30	6.26	6.29	6.47	6.62	6.85	6.91	6.95
55	4.98	4.66	4.32	4.24	4.18	4.21	4.17	4.28	4.25	4.25	4.16	4.28	4.34	4.44	4.60	4.79	5.02	5.16	5.25
60	3.60	3.34	3.00	2.91	2.77	2.76	2.68	2.75	2.72	2.79	2.78	2.95	3.07	3.13	3.29	3.40	3.63	3.71	3.84
65	2.65	2.40	2.11	1.97	1.83	1.78	1.71	1.75	1.75	1.83	1.89	2.04	2.16	2.22	2.33	2.42	2.58	2.63	2.71
70	1.93	1.71	1.46	1.32	1.19	1.12	1.06	1.09	1.12	1.19	1.27	1.40	1.50	1.56	1.63	1.69	1.78	1.81	1.87
75	1.37	1.17	0.96	0.82	0.72	0.65	0.62	0.63	0.67	0.73	0.80	0.91	1.00	1.05	1.10	1.14	1.18	1.20	1.25
80	0.90	0.74	0.57	0.45	0.37	0.31	0.29	0.30	0.35	0.39	0.45	0.53	0.59	0.63	0.66	0.69	0.71	0.73	0.75
85	0.27	0.31	0.28	0.23	0.21	0.18	0.17	0.18	0.20	0.21	0.25	0.27	0.23	0.29	0.30	0.32	0.33	0.36	0.39
90	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.16	0.17	0.16	0.16	0.17	0.17
95	0.18	0.20	0.18	0.20	0.18	0.20	0.18	0.20	0.18	0.20	0.18	0.20	0.20	0.17	0.19	0.17	0.19	0.17	0.19
100	0.20	0.21	0.20	0.21	0.20	0.22	0.20	0.21	0.20	0.21	0.20	0.21	0.22	0.20	0.21	0.20	0.21	0.20	0.21
105	0.20	0.23	0.21	0.22	0.21	0.23	0.21	0.23	0.21	0.22	0.20	0.23	0.24	0.21	0.23	0.20	0.22	0.20	0.23
110	0.22	0.24	0.22	0.25	0.23	0.25	0.23	0.25	0.22	0.24	0.22	0.24	0.25	0.23	0.24	0.22	0.24	0.23	0.24
115	0.24	0.26	0.25	0.28	0.26	0.29	0.27	0.28	0.26	0.27	0.25	0.27	0.28	0.26	0.28	0.27	0.28	0.27	0.29
120	0.34	0.35	0.36	0.38	0.39	0.40	0.38	0.38	0.36	0.36	0.34	0.36	0.41	0.42	0.44	0.46	0.48	0.50	0.51
125	0.76	0.75	0.80	0.80	0.85	0.84	0.85	0.79	0.77	0.72	0.72	0.71	0.91	0.98	1.01	1.11	1.13	1.22	1.21
130	1.87	1.81	1.88	1.87	1.95	1.91	1.94	1.83	1.80	1.70	1.73	1.72	2.10	2.20	2.25	2.38	2.45	2.56	2.58
135	3.66	3.57	3.64	3.62	3.70	3.65	3.67	3.54	3.51	3.40	3.45	3.44	3.97	4.12	4.16	4.30	4.35	4.48	4.50
140	6.02	5.90	5.94	5.86	5.92	5.84	5.85	5.72	5.72	5.64	5.74	5.77	6.37	6.52	6.51	6.63	6.64	6.75	6.76
145	8.57	8.43	8.42	8.29	8.30	8.18	8.19	8.08	8.11	8.07	8.21	8.30	8.88	9.01	8.97	9.05	9.02	9.12	9.13
150	10.8	10.7	10.6	10.5	10.5	10.4	10.4	10.3	10.3	10.4	10.5	10.6	11.1	11.2	11.1	11.2	11.1	11.2	11.2
155	12.2	12.1	12.0	11.9	11.9	11.9	11.9	11.9	12.0	12.0	12.1	12.2	12.5	12.5	12.5	12.4	12.4	12.4	12.5
160	12.3	12.2	12.2	12.2	12.2	12.3	12.3	12.4	12.4	12.5	12.5	12.6	12.6	12.6	12.5	12.5	12.4	12.4	12.3
165	11.2	11.3	11.2	11.2	11.3	11.5	11.6	11.7	11.7	11.8	11.7	11.8	11.6	11.6	11.5	11.4	11.4	11.3	11.2
170	9.64	9.62	9.51	9.46	9.46	9.63	9.78	9.96	9.99	10.1	10.2	10.2	9.95	9.90	9.86	9.68	9.59	9.45	9.34
175	7.99	7.97	7.94	8.05	8.10	8.08	8.13	8.26	8.37	8.55	8.52	8.38	8.25	8.29	8.37	8.38	8.20	8.03	7.87
180	7.64	7.62	7.65	7.77	7.66	7.58	7.64	7.57	7.59	7.74	7.57	7.44	7.65	7.62	7.65	7.78	7.65	7.58	7.63

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-VF62RA05-15W	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	3417	3417	3417	3417	3417														
5	3234	3201	3140	3124	3092														
10	2490	2416	2318	2355	2355														
15	1315	1274	1214	1228	1208														
20	383	380	327	318	315														
25	92.5	91.1	85.5	85.8	89.5														
30	43.7	41.9	38.9	39.3	37.6														
35	21.9	20.6	18.9	17.7	16.4														
40	12.8	12.3	11.5	11.3	11.1														
45	8.85	8.63	8.27	8.39	8.70														
50	6.76	6.61	6.45	6.52	6.65														
55	5.13	5.04	4.89	4.89	4.92														
60	3.77	3.74	3.60	3.60	3.59														
65	2.68	2.72	2.64	2.65	2.66														
70	1.88	1.92	1.90	1.93	1.94														
75	1.26	1.29	1.30	1.33	1.36														
80	0.77	0.77	0.76	0.80	0.87														
85	0.37	0.32	0.30	0.31	0.34														
90	0.16	0.17	0.16	0.17	0.16														
95	0.17	0.19	0.17	0.19	0.17														
100	0.20	0.21	0.20	0.21	0.20														
105	0.20	0.23	0.20	0.23	0.21														
110	0.23	0.24	0.22	0.24	0.22														
115	0.27	0.29	0.26	0.27	0.25														
120	0.51	0.49	0.46	0.43	0.41														
125	1.25	1.18	1.15	1.03	0.98														
130	2.61	2.53	2.48	2.33	2.24														
135	4.57	4.47	4.45	4.26	4.17														
140	6.87	6.81	6.83	6.66	6.60														
145	9.24	9.22	9.27	9.16	9.11														
150	11.3	11.3	11.3	11.3	11.3														
155	12.4	12.4	12.4	12.4	12.4														
160	12.3	12.3	12.2	12.2	12.2														
165	11.1	11.1	11.0	11.0	11.1														
170	9.16	9.11	9.01	9.12	9.25														
175	7.79	7.82	7.78	7.56	7.60														
180	7.56	7.59	7.73	7.57	7.44														

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: