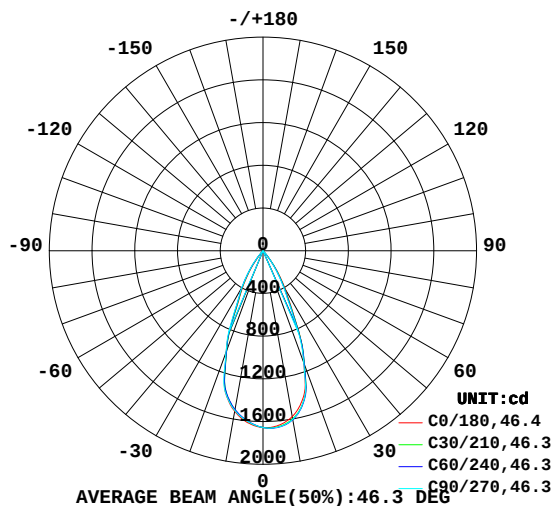


LUMINAIRE PHOTOMETRIC TEST REPORT

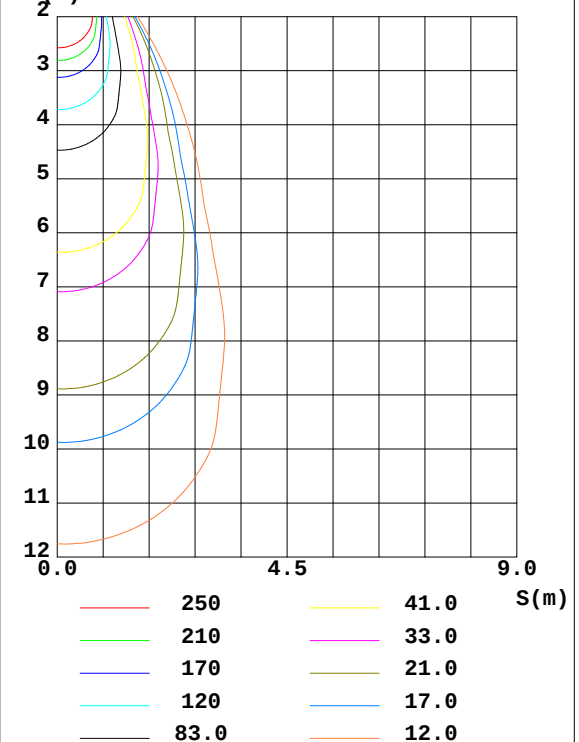
NAME: VM060-VF62RA02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 76.25 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	1665	S/MH(C0/180)	0.67	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.69	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1024.6	η UP, DN(C0-180)	1.2, 49.7	
NOMINAL FLUX(lm)	1024.63	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 47.9	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.70	

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: 2021-08-06

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:

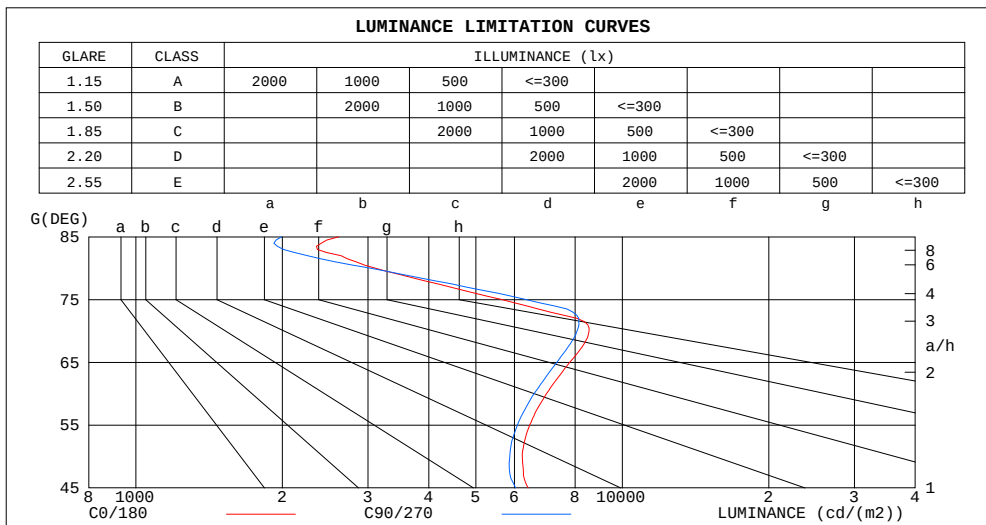
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1576	1608	1604	1573	1527	1506	1519	1546	0- 10	153.4	153.4	15,15
20	1118	1152	1118	1079	1009	986.2	1016	1054	10- 20	381.8	535.2	52.2,52.2
30	420.7	398.1	373.0	376.6	361.3	380.3	395.8	413.1	20- 30	309.4	844.6	82.4,82.4
40	49.11	64.27	54.80	50.84	26.39	53.74	65.47	68.23	30- 40	127.0	971.7	94.8,94.8
50	7.847	7.619	7.404	7.449	7.546	7.875	8.020	7.944	40- 50	11.23	982.9	95.9,95.9
60	6.844	6.543	6.462	6.466	6.715	7.075	7.302	7.011	50- 60	6.465	989.4	96.6,96.6
70	5.727	5.288	5.416	5.107	5.417	5.861	6.411	5.754	60- 70	6.292	995.6	97.2,97.2
80	1.057	1.175	1.035	0.9289	0.6317	1.102	1.366	1.256	70- 80	3.491	999.1	97.5,97.5
90	0.2562	0.2539	0.2544	0.2454	0.2294	0.2279	0.2276	0.2543	80- 90	0.5106	999.6	97.6,97.6
100	0.2647	0.2762	0.2761	0.2874	0.2715	0.2473	0.2630	0.2388	90-100	0.2714	999.9	97.6,97.6
110	0.5530	0.5438	0.5847	0.5951	0.6737	0.5736	0.5529	0.5235	100-110	0.3971	1000	97.6,97.6
120	1.686	1.550	1.668	1.695	2.045	1.708	1.614	1.575	110-120	1.025	1001	97.7,97.7
130	3.868	3.959	4.065	4.339	4.275	4.469	4.106	4.279	120-130	2.472	1004	98,98
140	8.188	7.157	7.431	7.540	8.778	7.731	7.555	7.374	130-140	4.563	1008	98.4,98.4
150	10.56	10.47	10.77	10.84	11.06	11.05	10.92	10.69	140-150	5.811	1014	99,99
160	12.84	12.94	15.35	12.92	12.91	12.69	12.71	12.51	150-160	5.546	1020	99.5,99.5
170	12.67	12.69	12.92	12.87	12.84	12.75	12.68	12.57	160-170	3.664	1023	99.9,99.9
180	13.40	13.49	13.31	13.49	13.40	13.49	13.31	13.49	170-180	1.234	1025	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
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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2611	1992
80	3106	3036
75	5658	6339
70	8544	8069
65	7797	7336
60	6984	6585
55	6451	6086
50	6229	5869
45	6398	6033

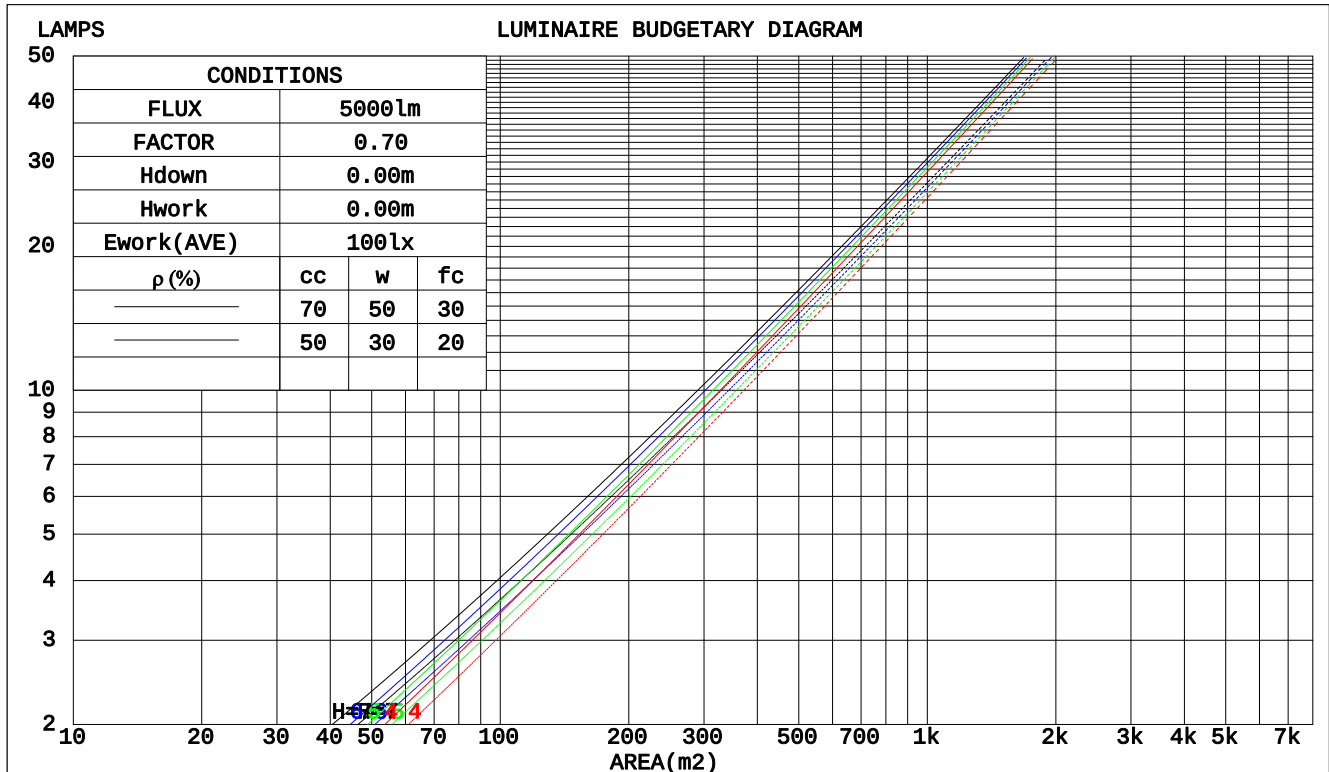
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-CRI90-55D	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	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	.00	.99	.97	.96	.95	.94	.92
2.0	1.04	1.00	.97	1.02	.99	.96	.98	.96	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.98	.93	.90	.96	.92	.89	.93	.90	.87	.91	.88	.85	.88	.86	.84	.82
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.86	.83	.80	.84	.81	.79	.78
5.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.82	.79	.76	.81	.78	.75	.74
6.0	.83	.77	.74	.82	.77	.73	.80	.76	.73	.79	.75	.72	.77	.74	.71	.70
7.0	.79	.73	.69	.78	.73	.69	.76	.72	.69	.75	.71	.68	.74	.70	.68	.66
8.0	.75	.69	.66	.74	.69	.66	.73	.68	.65	.72	.68	.65	.71	.67	.64	.63
9.0	.71	.66	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
10.0	.68	.63	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.65	.61	.59	.57



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-CRI90-55D	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	.167	.095	.030	.159	.091	.029	.145	.083	.027	.133	.076	.025	.121	.070	.023		
2.0	.157	.086	.026	.151	.083	.026	.139	.078	.024	.129	.072	.023	.119	.067	.021		
3.0	.149	.079	.024	.143	.077	.023	.133	.072	.022	.124	.068	.021	.115	.064	.020		
4.0	.141	.073	.021	.136	.071	.021	.127	.068	.020	.119	.064	.019	.112	.061	.018		
5.0	.134	.068	.020	.130	.066	.019	.122	.063	.019	.115	.061	.018	.108	.058	.017		
6.0	.127	.064	.018	.124	.062	.018	.117	.060	.017	.111	.057	.017	.105	.055	.016		
7.0	.121	.060	.017	.118	.059	.017	.112	.057	.016	.107	.055	.016	.101	.053	.015		
8.0	.116	.057	.016	.113	.056	.016	.108	.054	.015	.103	.052	.015	.098	.050	.015		
9.0	.111	.054	.015	.109	.053	.015	.104	.051	.015	.099	.050	.014	.095	.048	.014		
10.0	.107	.051	.014	.105	.050	.014	.100	.049	.014	.096	.048	.014	.092	.046	.013		

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	.189	.176	.164	.162	.151	.142	.111	.104	.098	.064	.060	.057	.020	.019	.018	
2.0	.173	.151	.133	.148	.130	.115	.102	.090	.080	.059	.052	.047	.019	.017	.015	
3.0	.160	.132	.110	.137	.114	.096	.094	.079	.067	.054	.046	.040	.017	.015	.013	
4.0	.149	.118	.094	.128	.102	.081	.088	.071	.057	.051	.041	.034	.016	.014	.011	
5.0	.140	.106	.081	.120	.092	.070	.083	.064	.050	.048	.038	.029	.015	.012	.010	
6.0	.132	.096	.071	.114	.083	.062	.078	.058	.044	.045	.034	.026	.015	.011	.009	
7.0	.125	.089	.063	.108	.077	.055	.075	.054	.039	.043	.032	.023	.014	.010	.008	
8.0	.119	.082	.057	.103	.071	.050	.071	.050	.035	.041	.030	.021	.013	.010	.007	
9.0	.114	.077	.052	.098	.067	.045	.068	.047	.032	.040	.028	.019	.013	.009	.006	
10.0	.110	.073	.048	.095	.063	.042	.066	.044	.030	.038	.026	.018	.012	.009	.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-CRI90-55D						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						18.6	19.4	18.8	19.6	19.8	17.9
3H						18.6	19.4	18.9	19.6	19.9	18.0
4H						18.6	19.3	18.9	19.6	19.9	18.0
6H						18.6	19.2	18.9	19.5	19.8	18.0
8H						18.5	19.2	18.9	19.5	19.8	17.9
12H						18.5	19.1	18.8	19.4	19.7	17.9
4H 2H						18.4	19.1	18.7	19.4	19.6	17.8
3H						18.5	19.1	18.9	19.4	19.8	17.9
4H						18.5	19.1	18.9	19.4	19.8	18.0
6H						18.5	19.0	18.9	19.4	19.7	18.0
8H						18.4	18.9	18.9	19.3	19.7	17.9
12H						18.4	18.8	18.8	19.2	19.7	17.9
8H 4H						18.4	18.9	18.9	19.3	19.7	17.9
6H						18.4	18.8	18.9	19.2	19.7	17.9
8H						18.4	18.7	18.8	19.2	19.6	17.9
12H						18.3	18.6	18.8	19.1	19.6	17.8
12H 4H						18.4	18.8	18.8	19.2	19.7	17.9
6H						18.3	18.7	18.8	19.1	19.6	17.8
8H						18.3	18.6	18.8	19.1	19.6	17.8
Variations with the observer position at spacings:											
S = 1.0H						+ 3.5 / - 4.2			+ 3.3 / - 3.6		
1.5H						+ 6.1 / - 4.1			+ 5.8 / - 3.6		
2.0H						+ 0.2 / - 0.4			+ 0.3 / - 0.5		

CIE Pub.117, 1025 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.1$)

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

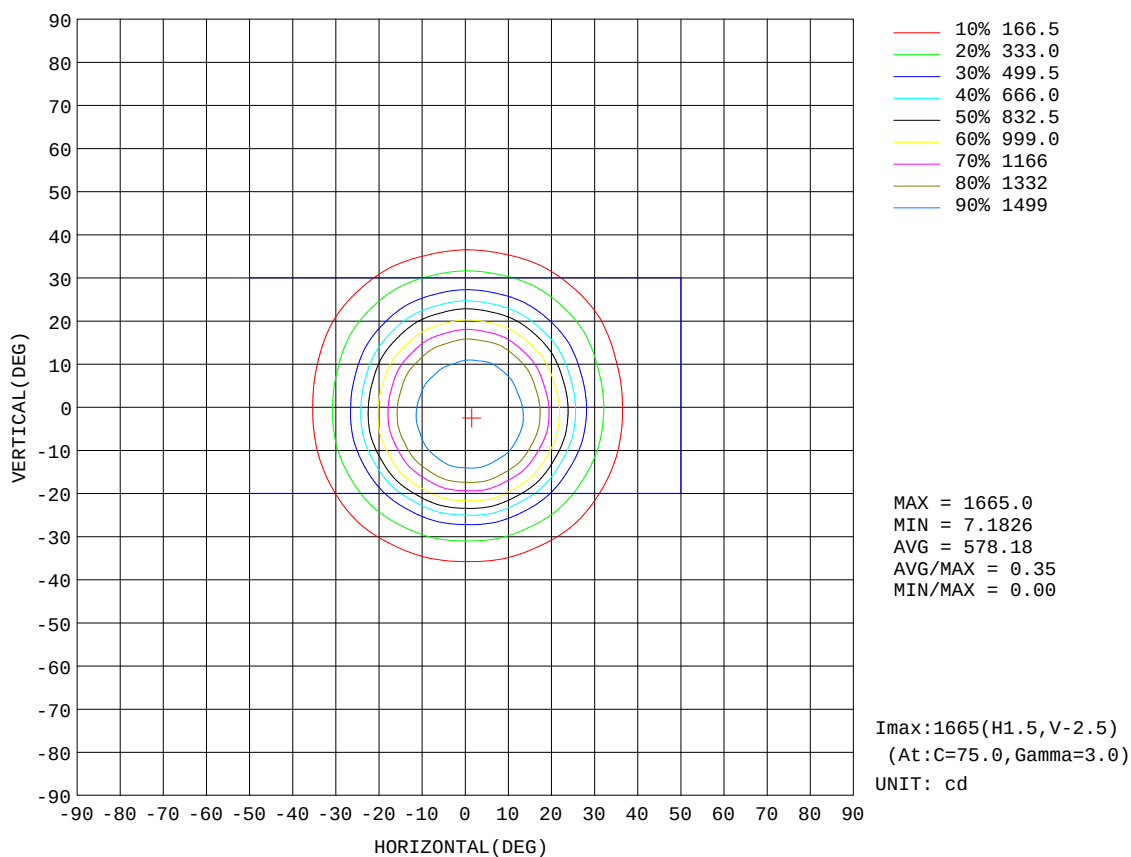
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	88	82	79	88	82	79	87	82	79	75
0.80	96	90	86	95	90	86	93	89	86	82
1.00	99	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	94	100	96	93	89
1.50	106	101	98	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	109	106	104	106	103	102	95
4.00	113	111	109	111	109	107	107	105	104	96
5.00	115	112	111	112	110	109	108	107	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:2021-08-06

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

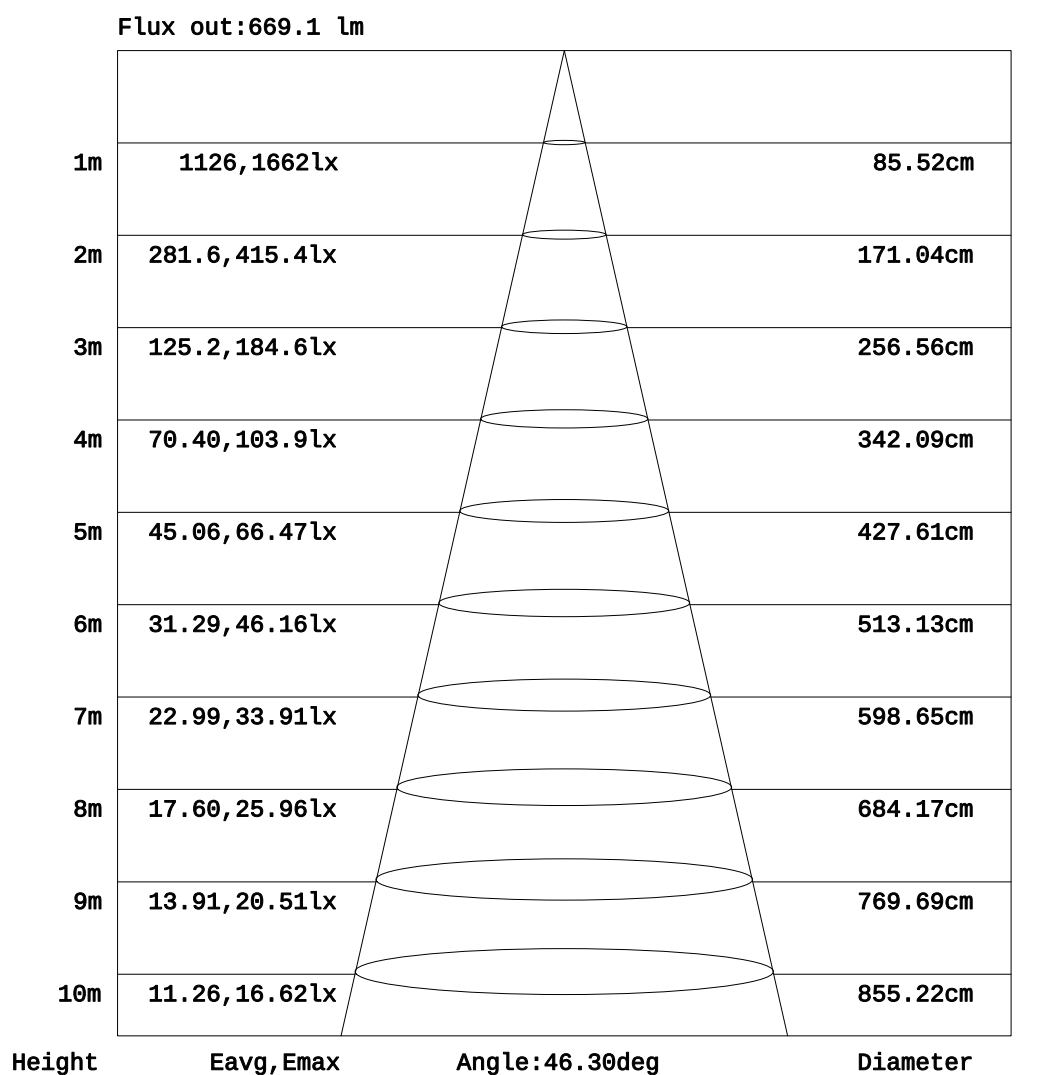


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-06

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



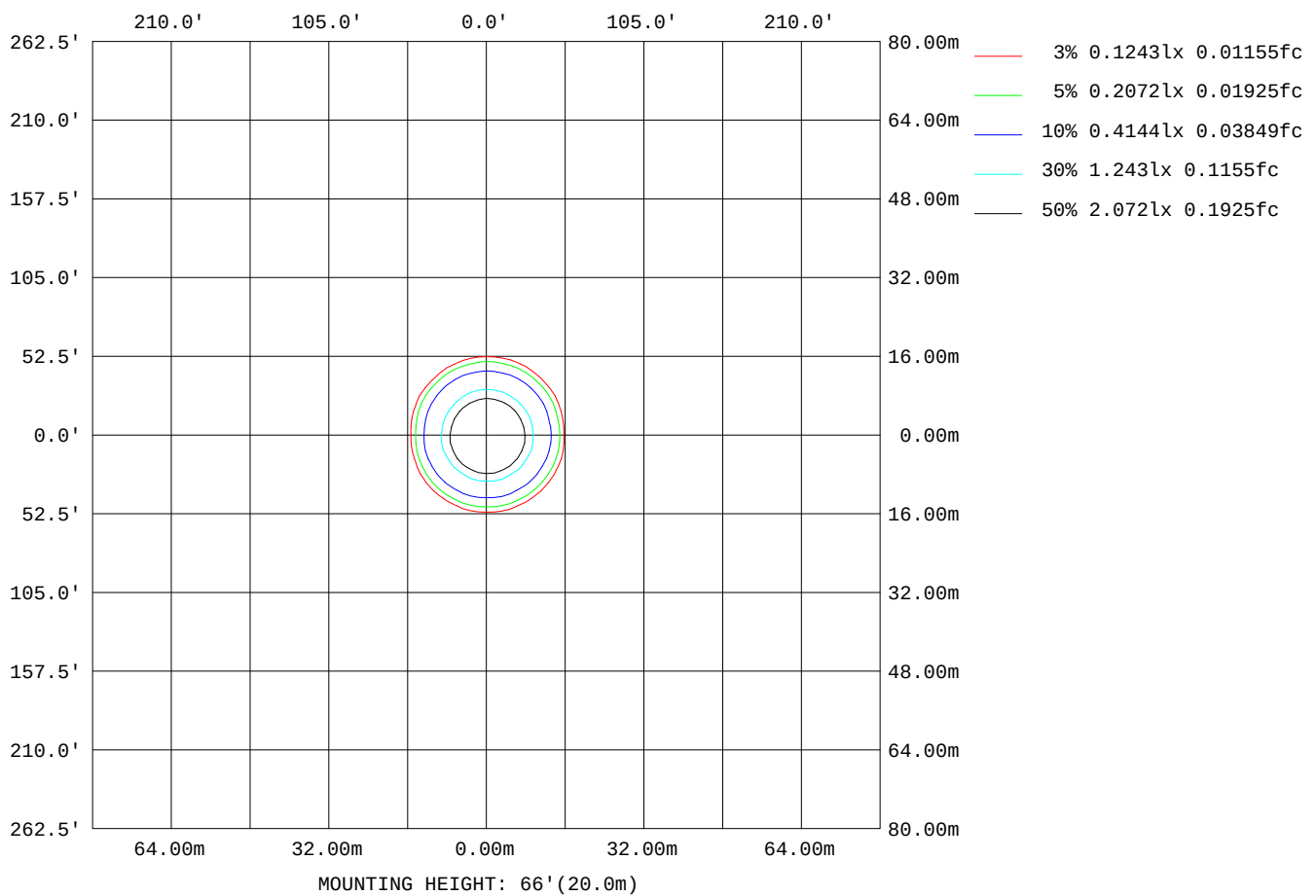
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-CRI90-55D	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

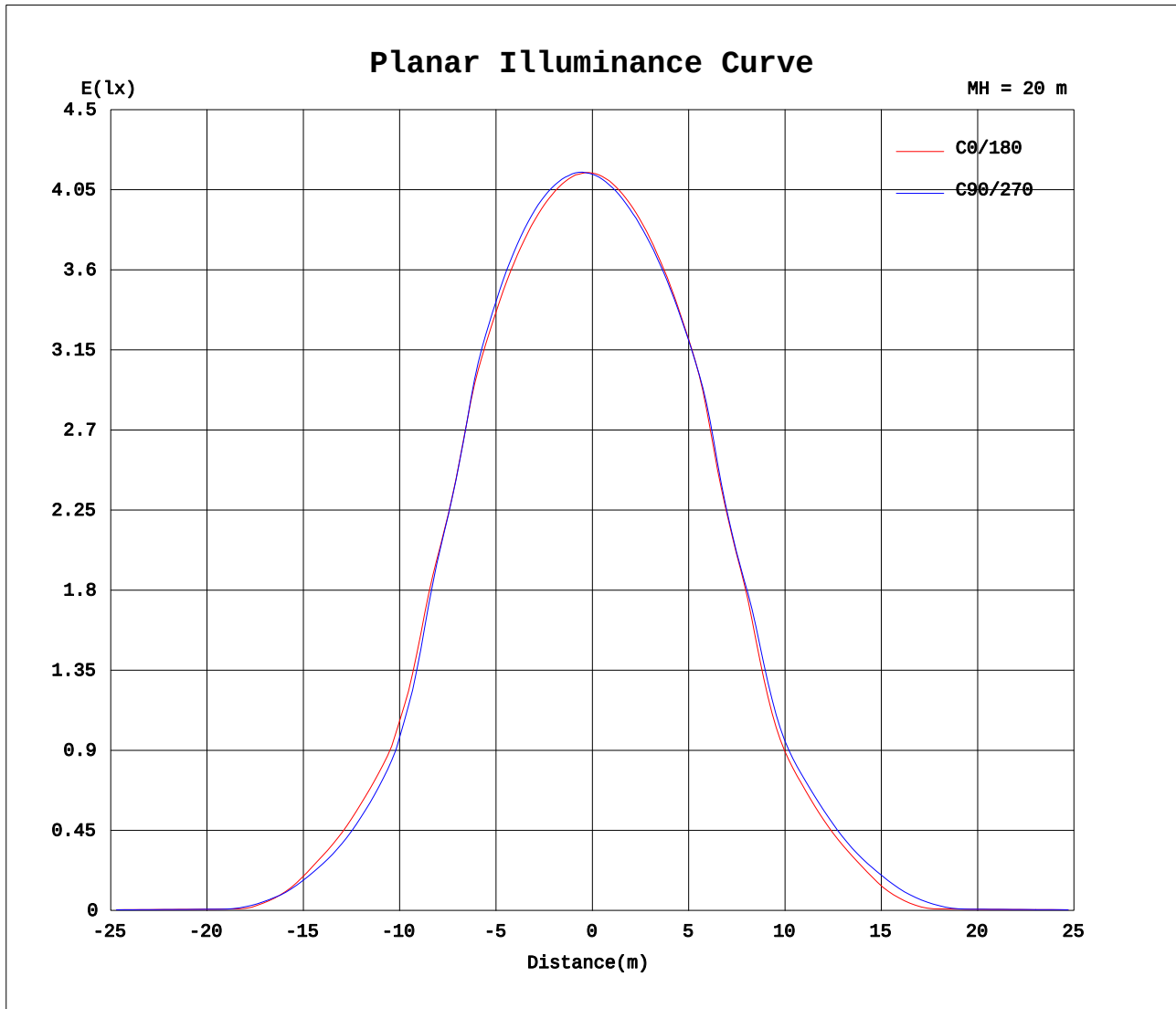
AvgL	cd/m2
L_0~180(65)av	7722
L_0~180(75)av	4847
L_0~180(85)av	1980
L_90~270(65)av	7907
L_90~270(75)av	7492
L_90~270(85)av	2021
L_45(65)av	7612
L_45(75)av	6648
L_45(85)av	2323

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
 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-CRI90-55D	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	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655	1655
5	1642	1651	1654	1659	1660	1661	1657	1655	1648	1642	1632	1626	1617	1610	1607	1602	1602	1603	1607
10	1576	1592	1598	1608	1607	1611	1604	1601	1585	1573	1553	1544	1527	1516	1514	1506	1509	1508	1519
15	1438	1459	1463	1477	1470	1478	1464	1461	1439	1425	1397	1390	1367	1350	1354	1343	1352	1349	1368
20	1118	1145	1136	1152	1133	1143	1118	1118	1085	1079	1046	1041	1009	988	997	986	1002	994	1016
25	716	733	706	720	690	700	666	669	642	645	627	626	595	594	602	611	621	623	638
30	421	419	400	398	385	386	373	377	370	377	371	373	361	362	377	380	391	387	396
35	224	223	211	210	199	199	191	193	188	193	187	188	179	184	200	199	208	204	213
40	49.1	60.4	65.4	64.3	58.8	57.0	54.8	53.2	49.8	50.8	46.7	32.2	26.4	43.6	52.7	53.7	58.2	60.7	65.5
45	8.87	8.87	8.82	8.76	8.56	8.50	8.37	8.36	8.30	8.34	8.32	8.39	8.37	8.43	8.54	8.58	8.66	8.67	8.75
50	7.85	7.82	7.71	7.62	7.51	7.47	7.40	7.41	7.40	7.45	7.46	7.53	7.55	7.65	7.78	7.87	7.96	8.00	8.02
55	7.25	7.19	7.11	7.00	6.91	6.89	6.85	6.85	6.83	6.89	6.95	7.02	7.08	7.20	7.32	7.42	7.52	7.58	7.58
60	6.84	6.78	6.66	6.54	6.47	6.49	6.46	6.45	6.41	6.47	6.57	6.65	6.71	6.87	6.95	7.07	7.23	7.32	7.30
65	6.46	6.35	6.19	6.07	6.03	6.12	6.08	6.07	5.94	5.98	6.08	6.27	6.35	6.40	6.48	6.66	6.93	7.06	7.03
70	5.73	5.59	5.31	5.29	5.32	5.49	5.42	5.43	5.17	5.11	5.08	5.37	5.42	5.31	5.56	5.86	6.30	6.38	6.41
75	2.87	2.99	3.06	3.34	3.33	3.40	3.22	3.25	3.02	2.86	2.42	2.19	2.05	2.38	3.14	3.59	4.11	4.14	4.39
80	1.06	1.11	1.10	1.18	1.14	1.14	1.03	1.05	0.96	0.93	0.79	0.70	0.63	0.73	0.96	1.10	1.26	1.28	1.37
85	0.45	0.48	0.46	0.43	0.40	0.36	0.34	0.33	0.36	0.35	0.38	0.35	0.23	0.34	0.35	0.36	0.35	0.35	0.35
90	0.26	0.26	0.29	0.25	0.27	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.23	0.23	0.22	0.23	0.22	0.23	0.23
95	0.25	0.25	0.25	0.26	0.25	0.27	0.26	0.26	0.25	0.26	0.25	0.26	0.24	0.23	0.24	0.22	0.24	0.22	0.24
100	0.26	0.27	0.27	0.28	0.27	0.29	0.28	0.29	0.28	0.29	0.28	0.28	0.27	0.26	0.27	0.25	0.26	0.25	0.26
105	0.33	0.34	0.34	0.35	0.35	0.37	0.36	0.38	0.36	0.38	0.36	0.37	0.39	0.37	0.38	0.34	0.36	0.34	0.35
110	0.55	0.53	0.54	0.54	0.57	0.58	0.58	0.59	0.60	0.60	0.60	0.60	0.67	0.68	0.63	0.57	0.56	0.55	0.55
115	0.97	0.92	0.92	0.90	0.96	0.97	0.99	0.99	1.02	0.98	1.05	1.05	1.19	1.20	1.10	0.98	0.96	0.95	0.94
120	1.69	1.55	1.55	1.55	1.61	1.61	1.67	1.66	1.70	1.69	1.73	1.75	2.04	2.06	1.80	1.71	1.69	1.67	1.61
125	2.53	2.49	2.56	2.55	2.67	2.62	2.70	2.69	2.84	2.78	2.83	2.76	2.83	2.87	2.80	2.86	2.77	2.77	2.69
130	3.87	3.90	4.01	3.96	3.98	3.98	4.07	4.08	4.18	4.34	4.53	4.27	4.28	4.32	4.32	4.47	4.27	4.18	4.11
135	5.78	5.82	5.78	5.60	5.60	5.57	5.66	5.70	5.83	6.18	6.38	6.48	6.52	6.44	6.32	6.19	5.92	5.85	5.77
140	8.19	7.89	7.38	7.16	7.31	7.33	7.43	7.53	7.57	7.54	7.78	8.68	8.78	8.38	8.09	7.73	7.66	7.65	7.55
145	9.88	9.31	8.92	8.88	8.97	9.11	9.38	9.40	9.26	9.27	9.37	9.80	10.00	9.72	9.47	9.50	9.42	9.43	9.33
150	10.6	10.5	10.5	10.5	10.6	10.6	10.8	10.8	10.9	10.8	11.0	11.0	11.1	11.1	11.0	11.0	11.0	11.0	10.9
155	11.9	11.7	11.7	11.8	11.9	11.9	12.1	12.2	12.1	12.1	12.1	12.1	12.3	12.7	12.1	12.2	12.2	12.2	12.1
160	12.8	12.3	13.0	12.9	12.6	13.8	15.4	14.4	12.8	12.9	13.3	12.7	12.9	13.0	12.6	12.7	12.7	12.7	12.7
165	12.7	12.6	12.6	12.7	12.9	13.5	14.9	13.9	13.0	12.9	12.9	12.9	12.8	12.9	12.8	12.7	12.7	12.8	12.9
170	12.7	12.6	12.6	12.7	12.8	12.9	12.9	12.9	12.8	12.9	12.9	13.0	12.8	12.9	12.9	12.7	12.7	12.7	12.7
175	12.9	12.9	12.9	13.1	13.1	13.0	12.9	13.0	13.0	13.2	13.2	13.2	13.1	13.1	13.2	13.2	13.1	13.0	12.9
180	13.4	13.4	13.4	13.5	13.4	13.3	13.3	13.3	13.3	13.5	13.4	13.4	13.4	13.4	13.4	13.5	13.4	13.3	13.3

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM060-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1655	1655	1655	1655	1655														
5	1610	1618	1622	1629	1634														
10	1527	1541	1546	1557	1562														
15	1374	1397	1399	1416	1418														
20	1018	1050	1054	1085	1087														
25	646	665	668	693	686														
30	397	411	413	423	413														
35	213	223	221	228	215														
40	66.0	70.2	68.2	70.9	56.6														
45	8.76	8.84	8.85	8.98	8.85														
50	8.01	7.99	7.94	7.92	7.87														
55	7.56	7.49	7.42	7.37	7.29														
60	7.27	7.13	7.01	6.96	6.91														
65	6.97	6.75	6.55	6.48	6.47														
70	6.32	6.08	5.75	5.62	5.56														
75	4.24	4.24	3.72	3.36	2.90														
80	1.36	1.38	1.26	1.18	1.03														
85	0.39	0.42	0.44	0.44	0.43														
90	0.24	0.23	0.25	0.26	0.24														
95	0.23	0.24	0.23	0.26	0.24														
100	0.24	0.26	0.24	0.28	0.25														
105	0.32	0.34	0.32	0.34	0.32														
110	0.52	0.53	0.52	0.56	0.58														
115	0.92	0.91	0.89	0.98	1.02														
120	1.65	1.61	1.57	1.58	1.75														
125	2.75	2.63	2.68	2.56	2.60														
130	4.12	4.16	4.28	4.03	3.96														
135	5.75	5.79	5.95	5.93	6.01														
140	7.54	7.41	7.37	7.67	7.98														
145	9.28	9.15	9.12	9.03	9.32														
150	10.9	10.7	10.7	10.6	10.7														
155	12.1	12.0	12.2	11.8	12.2														
160	12.7	12.6	12.5	12.4	12.7														
165	12.8	12.7	12.6	12.6	12.7														
170	12.7	12.7	12.6	12.6	12.7														
175	12.9	13.1	13.1	12.9	12.9														
180	13.3	13.3	13.5	13.4	13.4														

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: