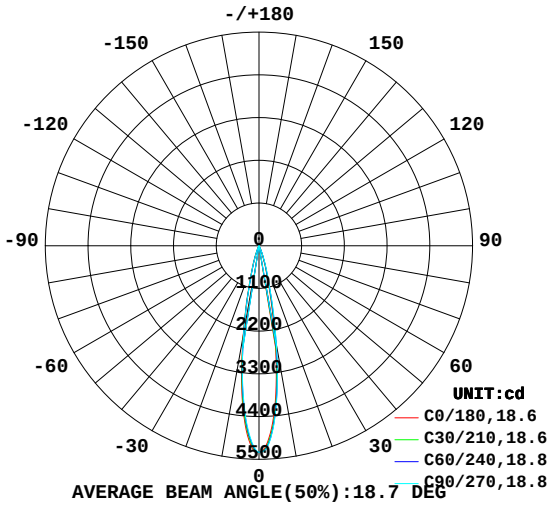
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: vM060-vF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

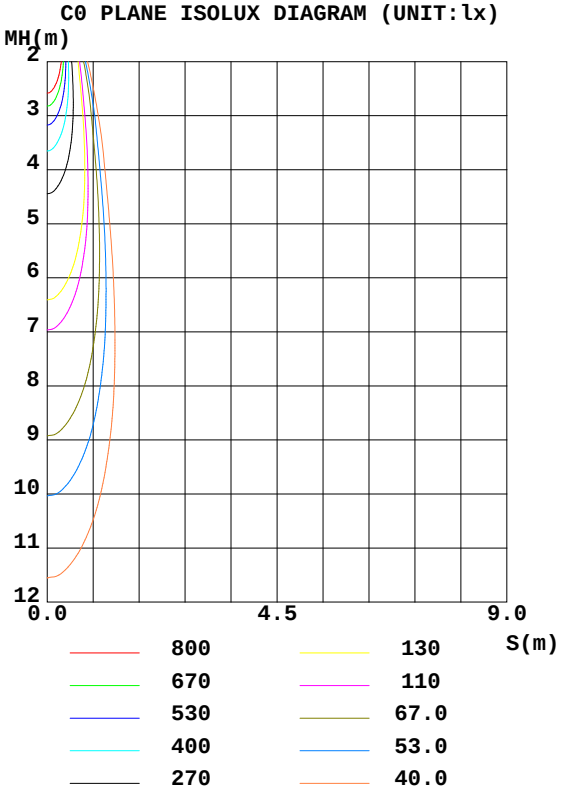
DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.39 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5324	S/MH(C0/180)	0.32
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.31
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	691.76	η UP,DN(C0-180)	1.2,51.8
NOMINAL FLUX(lm)	691.759	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,45.7
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	97.5	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):18.7 DEG

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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

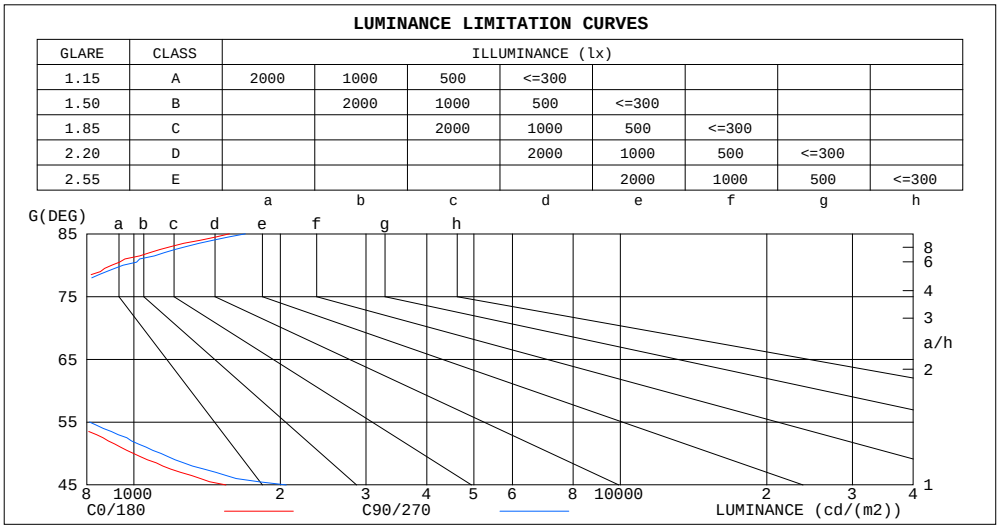
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2355	2578	2588	2625	2365	2212	2255	2205	0- 10	353.9	353.9	51.2,51.2
20	292.4	344.0	366.3	371.0	309.3	260.5	261.5	251.4	10- 20	265.8	619.7	89.6,89.6
30	20.22	22.32	23.06	23.41	21.60	21.09	22.22	19.98	20- 30	46.53	666.3	96.3,96.3
40	3.699	4.349	4.510	4.535	3.949	3.497	3.388	3.210	30- 40	6.267	672.5	97.2,97.2
50	0.6499	0.6850	0.7434	0.7260	0.7056	0.6751	0.6204	0.5875	40- 50	1.210	673.7	97.4,97.4
60	0.3017	0.2950	0.3228	0.3077	0.3013	0.3066	0.2848	0.2792	50- 60	0.4021	674.1	97.5,97.5
70	0.1982	0.1763	0.2099	0.1838	0.1737	0.1941	0.1722	0.1839	60- 70	0.2289	674.4	97.5,97.5
80	0.1585	0.1455	0.1680	0.1506	0.1320	0.1544	0.1304	0.1396	70- 80	0.1745	674.5	97.5,97.5
90	0.1342	0.1345	0.1348	0.1351	0.1361	0.1295	0.1392	0.1279	80- 90	0.1480	674.7	97.5,97.5
100	0.1344	0.1521	0.1384	0.1529	0.1699	0.1490	0.1732	0.1506	90-100	0.1545	674.8	97.6,97.6
110	0.1409	0.1582	0.1436	0.1564	0.1753	0.1713	0.1744	0.1650	100-110	0.1670	675.0	97.6,97.6
120	0.2308	0.2339	0.2119	0.2283	0.2578	0.2532	0.2811	0.2632	110-120	0.1763	675.2	97.6,97.6
130	1.324	1.188	1.208	1.158	1.379	1.536	1.579	1.594	120-130	0.5566	675.7	97.7,97.7
140	5.508	5.250	5.229	5.164	5.667	5.936	5.975	6.020	130-140	2.448	678.2	98,98
150	10.02	9.837	9.831	9.805	10.10	10.24	10.28	10.28	140-150	4.993	683.2	98.8,98.8
160	11.05	11.04	11.25	11.26	11.36	11.31	11.38	11.14	150-160	5.035	688.2	99.5,99.5
170	7.893	7.811	8.302	8.329	8.564	8.202	8.122	7.635	160-170	2.901	691.1	99.9,99.9
180	5.383	5.434	5.275	5.392	5.398	5.439	5.271	5.389	170-180	0.6455	691.8	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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: vM060-vF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1571	1695
80	901	950
75	697	705
70	572	603
65	545	571
60	595	634
55	742	811
50	998	1136
45	1546	2058

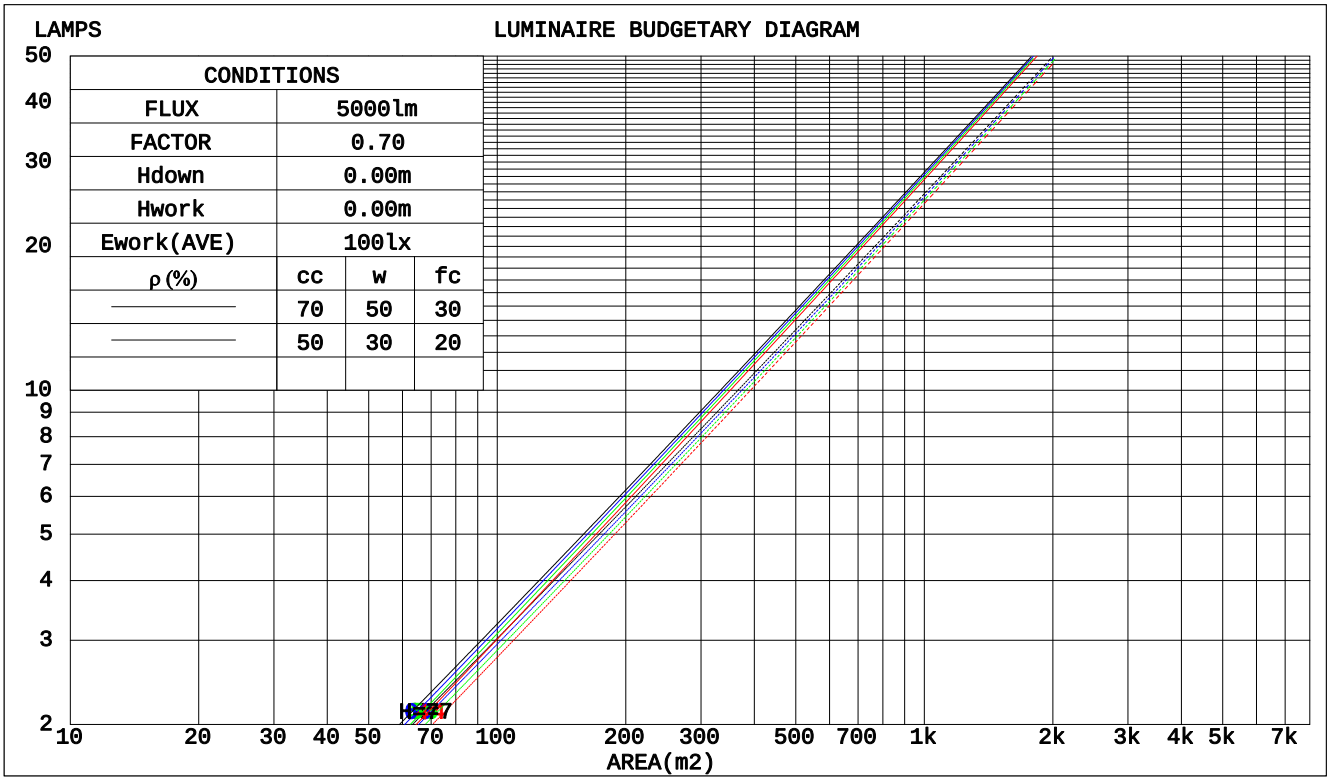
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-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-vF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.13	1.11	1.10	1.11	1.09	1.08	1.06	1.05	1.04	1.02	1.01	1.00	.98	.98	.97	.95
2.0	1.08	1.06	1.03	1.07	1.04	1.02	1.03	1.01	.00	.00	.98	.97	.97	.96	.95	.93
3.0	1.05	1.01	.99	1.03	1.00	.98	1.00	.98	.96	.98	.96	.94	.95	.94	.93	.91
4.0	1.01	.98	.95	1.00	.97	.95	.98	.95	.93	.96	.94	.92	.94	.92	.91	.90
5.0	.98	.95	.92	.97	.94	.92	.96	.93	.91	.94	.92	.90	.92	.90	.89	.88
6.0	.96	.92	.90	.95	.92	.89	.94	.91	.89	.92	.90	.88	.91	.89	.87	.86
7.0	.94	.90	.88	.93	.90	.87	.92	.89	.87	.90	.88	.86	.89	.87	.86	.85
8.0	.91	.88	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.88	.86	.84	.83
9.0	.90	.86	.84	.89	.86	.84	.88	.85	.83	.87	.85	.83	.87	.84	.83	.82
10.0	.88	.84	.82	.87	.84	.82	.87	.84	.82	.86	.83	.82	.85	.83	.81	.80



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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: VM060-VF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.124	.071	.022	.117	.067	.021	.103	.059	.019	.091	.052	.017	.079	.046	.015	
2.0	.114	.062	.019	.107	.059	.018	.096	.053	.017	.086	.048	.015	.076	.043	.014	
3.0	.104	.056	.017	.099	.053	.016	.090	.049	.015	.081	.044	.014	.073	.040	.012	
4.0	.097	.050	.015	.093	.048	.014	.084	.045	.013	.077	.041	.012	.070	.038	.012	
5.0	.090	.046	.013	.087	.044	.013	.080	.042	.012	.073	.039	.011	.067	.036	.011	
6.0	.085	.043	.012	.082	.041	.012	.076	.039	.011	.070	.036	.011	.065	.034	.010	
7.0	.080	.040	.011	.077	.038	.011	.072	.036	.010	.067	.034	.010	.062	.032	.010	
8.0	.076	.037	.010	.073	.036	.010	.069	.034	.010	.064	.033	.009	.060	.031	.009	
9.0	.072	.035	.010	.070	.034	.010	.066	.032	.009	.062	.031	.009	.058	.030	.009	
10.0	.069	.033	.009	.067	.032	.009	.063	.031	.009	.060	.030	.008	.056	.028	.008	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.186	.177	.168	.160	.152	.145	.109	.104	.100	.063	.060	.058	.020	.019	.019	
2.0	.168	.152	.139	.144	.131	.120	.098	.090	.084	.057	.053	.049	.018	.017	.016	
3.0	.152	.132	.117	.130	.114	.101	.089	.079	.071	.052	.046	.042	.017	.015	.014	
4.0	.139	.117	.100	.119	.101	.087	.082	.070	.061	.047	.041	.036	.015	.013	.012	
5.0	.127	.104	.087	.109	.090	.076	.075	.063	.054	.044	.037	.032	.014	.012	.010	
6.0	.118	.094	.077	.101	.082	.067	.070	.057	.047	.041	.034	.028	.013	.011	.009	
7.0	.110	.086	.069	.095	.074	.060	.065	.052	.043	.038	.031	.025	.012	.010	.008	
8.0	.103	.079	.062	.089	.068	.054	.061	.048	.038	.036	.028	.023	.012	.009	.008	
9.0	.097	.073	.057	.084	.063	.050	.058	.045	.035	.034	.026	.021	.011	.009	.007	
10.0	.092	.068	.052	.079	.059	.046	.055	.042	.032	.032	.025	.019	.010	.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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: VM060-VF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	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	2.3	2.9	2.6	3.0	3.2	2.9	3.5	3.2	3.6	3.8
	3H	2.3	2.8	2.6	3.0	3.2	2.9	3.4	3.1	3.6	3.8
	4H	2.3	2.8	2.6	3.0	3.3	2.9	3.4	3.2	3.6	3.9
	6H	2.4	2.9	2.7	3.1	3.4	2.9	3.4	3.3	3.7	3.9
	8H	2.5	2.9	2.8	3.2	3.5	3.0	3.5	3.3	3.7	4.0
	12H	2.6	3.0	2.9	3.3	3.6	3.1	3.6	3.5	3.9	4.2
4H	2H	2.1	2.6	2.4	2.9	3.1	2.7	3.2	3.0	3.5	3.7
	3H	2.1	2.6	2.5	2.9	3.2	2.7	3.1	3.0	3.4	3.7
	4H	2.2	2.6	2.6	2.9	3.3	2.8	3.1	3.1	3.5	3.8
	6H	2.4	2.7	2.8	3.1	3.5	2.9	3.2	3.3	3.6	4.0
	8H	2.5	2.9	3.0	3.2	3.7	3.0	3.4	3.4	3.7	4.1
	12H	2.8	3.1	3.2	3.5	3.9	3.2	3.6	3.7	4.0	4.4
8H	4H	2.2	2.5	2.6	2.9	3.3	2.7	3.0	3.1	3.4	3.8
	6H	2.4	2.7	2.9	3.2	3.6	2.9	3.2	3.4	3.6	4.1
	8H	2.7	2.9	3.2	3.4	3.9	3.1	3.4	3.6	3.9	4.3
	12H	3.1	3.3	3.6	3.8	4.3	3.5	3.7	4.0	4.2	4.7
12H	4H	2.1	2.4	2.6	2.8	3.3	2.6	2.9	3.1	3.4	3.8
	6H	2.5	2.7	2.9	3.2	3.6	2.9	3.2	3.4	3.6	4.1
	8H	2.8	3.0	3.3	3.5	4.0	3.2	3.4	3.7	3.9	4.4
Variations with the observer position at spacings:											
S = 1.0H		+ 2.4 / - 2.8					+ 2.6 / - 3.2				
1.5H		+ 4.5 / - 2.6					+ 4.8 / - 3.0				
2.0H		+ 1.1 / - 0.5					+ 2.0 / - 0.6				

CIE Pub.117, 691.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.3)

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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: vM060-vF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

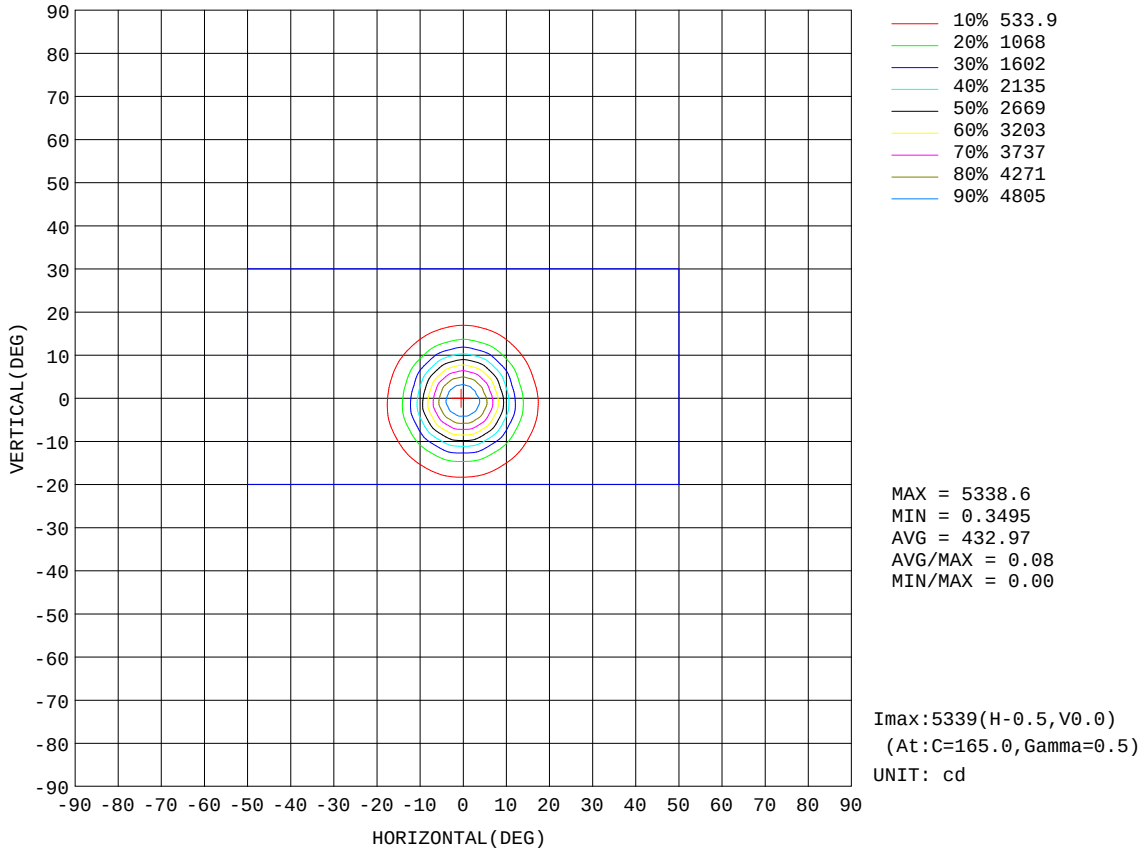
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	90	84	81	89	84	81	88	83	80	77
0.80	97	92	88	96	91	88	95	90	88	84
1.00	101	96	92	100	95	92	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	91
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	107	104	101	104	102	99	94
2.50	110	107	104	109	105	103	105	103	101	94
3.00	112	109	106	110	107	105	106	104	102	95
4.00	114	111	109	111	109	108	107	106	104	97
5.00	115	113	111	113	111	109	108	107	106	98
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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: vM060-vF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



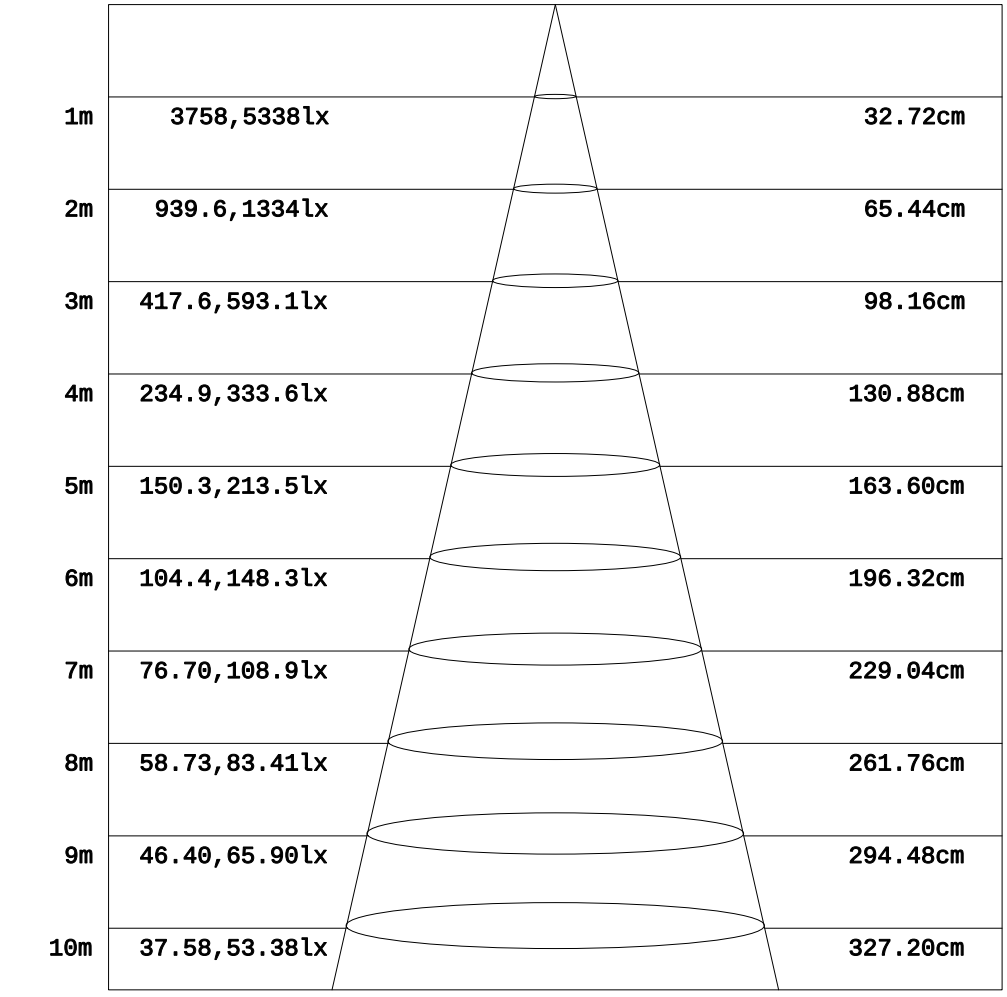
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

AAI Figure

NAME: vM060-vF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:330.7 lm



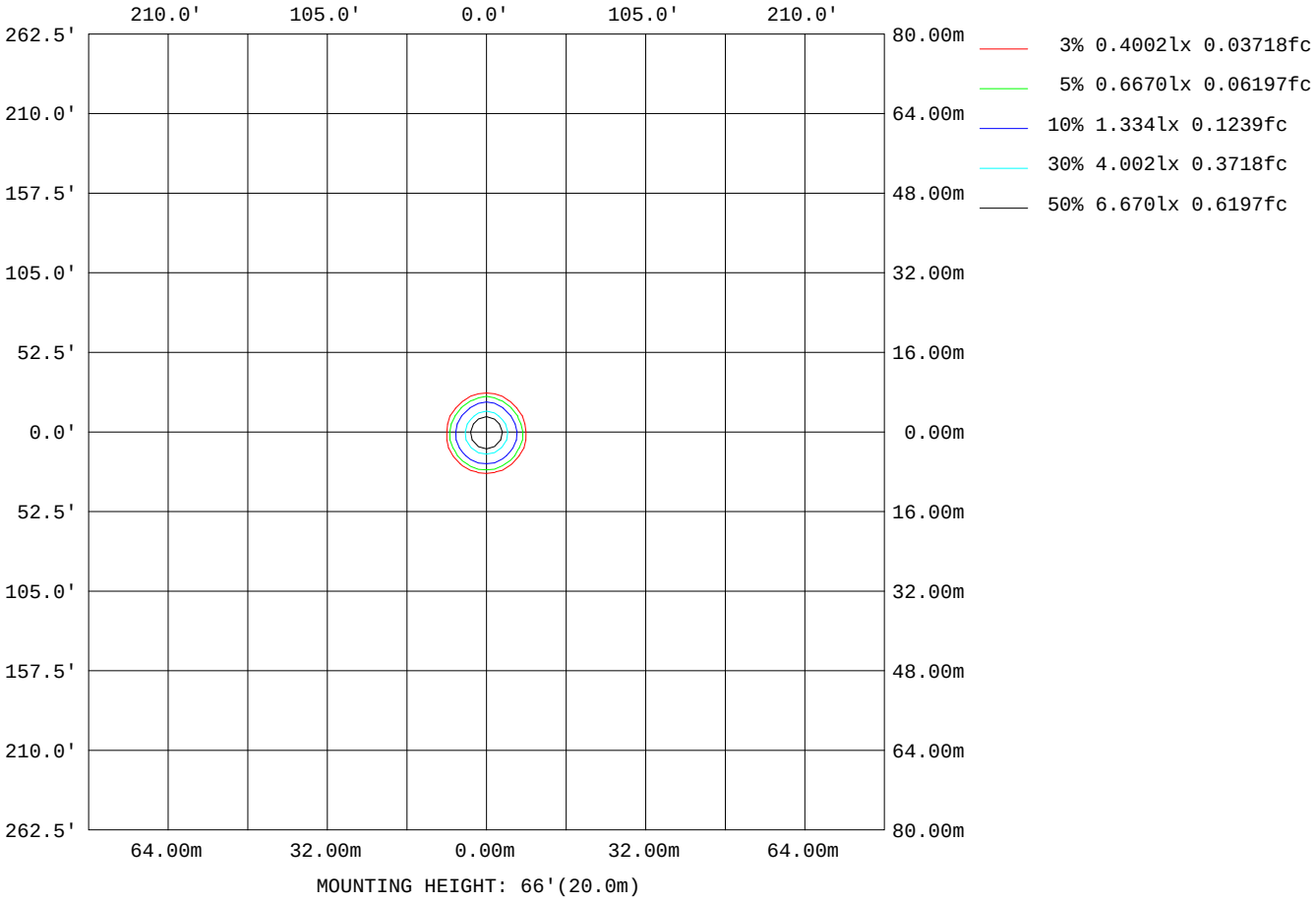
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: vM060-vF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: vM060-vF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

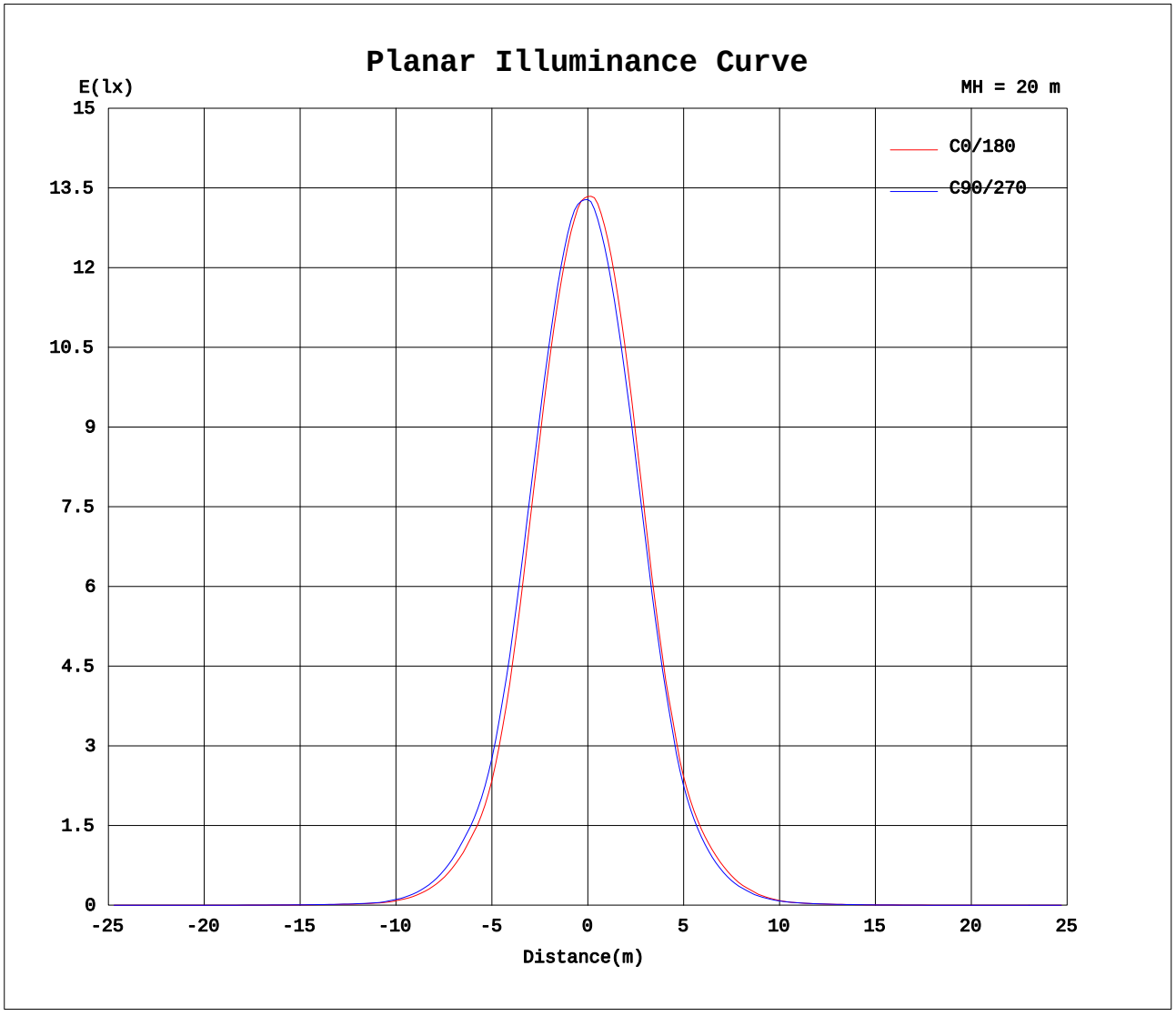
AvgL	cd/m2
L_0~180(65)av	525
L_0~180(75)av	631
L_0~180(85)av	1517
L_90~270(65)av	524
L_90~270(75)av	640
L_90~270(85)av	1591
L_45(65)av	518
L_45(75)av	630
L_45(85)av	1486

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 GO-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
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γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: vM060-vF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316	5316
5	4395	4485	4471	4552	4521	4587	4544	4604	4552	4602	4539	4573	4443	4354	4364	4270	4294	4217	4253
10	2355	2476	2453	2578	2547	2646	2588	2661	2575	2625	2518	2547	2365	2256	2290	2212	2264	2195	2255
15	836	893	891	956	953	1013	998	1036	998	1014	950	950	871	814	816	773	793	770	803
20	292	318	318	344	344	370	366	382	365	371	344	343	309	283	280	261	264	251	261
25	76.1	84.3	84.8	93.3	92.6	99.8	97.4	103	95.9	98.3	90.1	91.2	81.4	75.0	75.4	70.4	72.4	68.7	70.8
30	20.2	21.2	21.0	22.3	22.2	23.4	23.1	23.6	22.8	23.4	22.2	22.2	21.6	20.7	21.4	21.1	22.0	21.5	22.2
35	8.93	9.14	9.22	9.81	9.73	10.1	10.0	9.90	9.92	10.2	9.82	9.64	9.38	8.69	9.08	8.85	9.01	8.74	8.97
40	3.70	3.95	4.04	4.35	4.32	4.57	4.51	4.54	4.50	4.54	4.29	4.22	3.95	3.67	3.77	3.50	3.48	3.28	3.39
45	1.11	1.23	1.25	1.35	1.36	1.47	1.48	1.55	1.47	1.45	1.33	1.33	1.24	1.19	1.18	1.10	1.05	1.02	1.02
50	0.65	0.67	0.69	0.69	0.70	0.71	0.74	0.75	0.75	0.73	0.71	0.70	0.71	0.73	0.70	0.68	0.64	0.63	0.62
55	0.43	0.42	0.44	0.43	0.45	0.44	0.47	0.47	0.48	0.45	0.45	0.44	0.44	0.47	0.44	0.44	0.41	0.42	0.40
60	0.30	0.29	0.30	0.30	0.31	0.30	0.32	0.31	0.33	0.31	0.31	0.31	0.30	0.32	0.31	0.31	0.28	0.30	0.28
65	0.23	0.21	0.23	0.21	0.24	0.22	0.25	0.23	0.25	0.22	0.24	0.22	0.22	0.24	0.22	0.24	0.21	0.23	0.21
70	0.20	0.18	0.20	0.18	0.20	0.18	0.21	0.19	0.21	0.18	0.20	0.19	0.17	0.19	0.18	0.19	0.17	0.19	0.17
75	0.18	0.16	0.18	0.17	0.18	0.16	0.19	0.17	0.19	0.17	0.18	0.16	0.15	0.17	0.15	0.17	0.15	0.17	0.15
80	0.16	0.15	0.17	0.15	0.17	0.15	0.17	0.15	0.17	0.15	0.16	0.14	0.13	0.15	0.13	0.15	0.13	0.15	0.13
85	0.14	0.13	0.15	0.13	0.14	0.13	0.15	0.14	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13
90	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.14
95	0.14	0.14	0.13	0.14	0.13	0.14	0.14	0.14	0.13	0.14	0.13	0.14	0.16	0.14	0.15	0.14	0.15	0.13	0.16
100	0.13	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.13	0.15	0.17	0.15	0.17	0.15	0.17	0.15	0.17
105	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.15	0.14	0.16	0.14	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17
110	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.16	0.18	0.17	0.17	0.17	0.17	0.17	0.17
115	0.15	0.17	0.15	0.17	0.15	0.17	0.15	0.17	0.14	0.17	0.14	0.17	0.18	0.17	0.18	0.17	0.18	0.17	0.18
120	0.23	0.24	0.22	0.23	0.21	0.23	0.21	0.23	0.21	0.23	0.21	0.22	0.26	0.24	0.26	0.25	0.28	0.27	0.28
125	0.53	0.51	0.50	0.48	0.48	0.47	0.47	0.47	0.47	0.47	0.47	0.48	0.54	0.57	0.58	0.60	0.61	0.64	0.64
130	1.32	1.24	1.26	1.19	1.22	1.17	1.21	1.16	1.20	1.16	1.21	1.17	1.38	1.46	1.46	1.54	1.54	1.60	1.58
135	3.00	2.88	2.90	2.80	2.83	2.74	2.80	2.73	2.79	2.74	2.81	2.78	3.14	3.25	3.25	3.37	3.36	3.45	3.42
140	5.51	5.36	5.38	5.25	5.28	5.17	5.23	5.14	5.23	5.16	5.27	5.22	5.67	5.81	5.80	5.94	5.91	6.02	5.98
145	8.10	7.99	7.98	7.87	7.88	7.79	7.83	7.76	7.82	7.79	7.88	7.87	8.24	8.35	8.35	8.45	8.44	8.52	8.49
150	10.0	9.93	9.93	9.84	9.86	9.79	9.83	9.78	9.83	9.80	9.88	9.87	10.1	10.2	10.2	10.2	10.2	10.3	10.3
155	11.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.1	11.1	11.1	11.2	11.2	11.2	11.2
160	11.0	11.0	11.0	11.0	11.1	11.2	11.2	11.3	11.3	11.3	11.2	11.3	11.4	11.4	11.3	11.3	11.3	11.4	11.4
165	9.94	9.96	9.84	10.00	10.2	10.5	10.6	10.6	10.5	10.4	10.4	10.5	10.5	10.5	10.4	10.3	10.4	10.4	10.5
170	7.89	7.90	7.80	7.81	7.93	8.20	8.30	8.41	8.28	8.33	8.42	8.56	8.56	8.47	8.43	8.20	8.18	8.12	8.12
175	5.95	5.95	5.90	5.99	6.01	5.98	5.99	6.10	6.18	6.36	6.40	6.39	6.39	6.36	6.37	6.30	6.16	6.00	5.90
180	5.38	5.35	5.35	5.43	5.30	5.21	5.28	5.19	5.22	5.39	5.29	5.24	5.40	5.35	5.35	5.44	5.30	5.21	5.27

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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM060-VF62RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	285	300	315	330	345														
0	5316	5316	5316	5316	5316														
5	4197	4249	4214	4284	4262														
10	2197	2263	2205	2273	2219														
15	776	796	763	786	767														
20	250	258	251	266	260														
25	67.3	69.2	67.4	68.7	66.7														
30	21.1	21.1	20.0	19.9	18.6														
35	8.40	8.60	8.39	8.55	8.19														
40	3.24	3.36	3.21	3.32	3.26														
45	1.01	1.00	0.96	0.96	0.97														
50	0.63	0.60	0.59	0.57	0.60														
55	0.41	0.39	0.39	0.37	0.40														
60	0.30	0.27	0.28	0.25	0.28														
65	0.23	0.20	0.22	0.20	0.22														
70	0.19	0.17	0.18	0.16	0.18														
75	0.17	0.14	0.16	0.13	0.15														
80	0.15	0.14	0.14	0.12	0.12														
85	0.13	0.12	0.13	0.12	0.12														
90	0.13	0.13	0.13	0.13	0.12														
95	0.13	0.15	0.13	0.15	0.13														
100	0.15	0.17	0.15	0.16	0.15														
105	0.17	0.17	0.16	0.17	0.17														
110	0.17	0.17	0.16	0.17	0.17														
115	0.17	0.19	0.17	0.18	0.17														
120	0.27	0.28	0.26	0.28	0.25														
125	0.65	0.63	0.63	0.61	0.60														
130	1.62	1.57	1.59	1.53	1.53														
135	3.48	3.41	3.45	3.35	3.37														
140	6.05	5.97	6.02	5.90	5.93														
145	8.55	8.48	8.52	8.44	8.46														
150	10.3	10.3	10.3	10.2	10.2														
155	11.2	11.2	11.1	11.1	11.1														
160	11.3	11.2	11.1	11.1	11.1														
165	10.3	10.1	9.89	9.91	9.95														
170	7.93	7.82	7.63	7.70	7.76														
175	5.81	5.87	5.86	5.72	5.77														
180	5.17	5.23	5.39	5.29	5.24														

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 GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks: