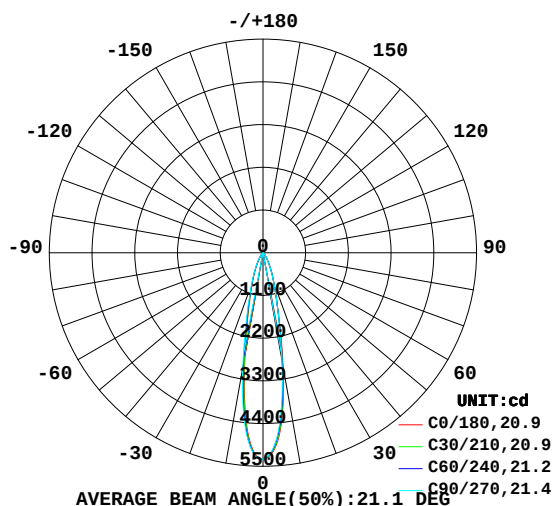


LUMINAIRE PHOTOMETRIC TEST REPORT

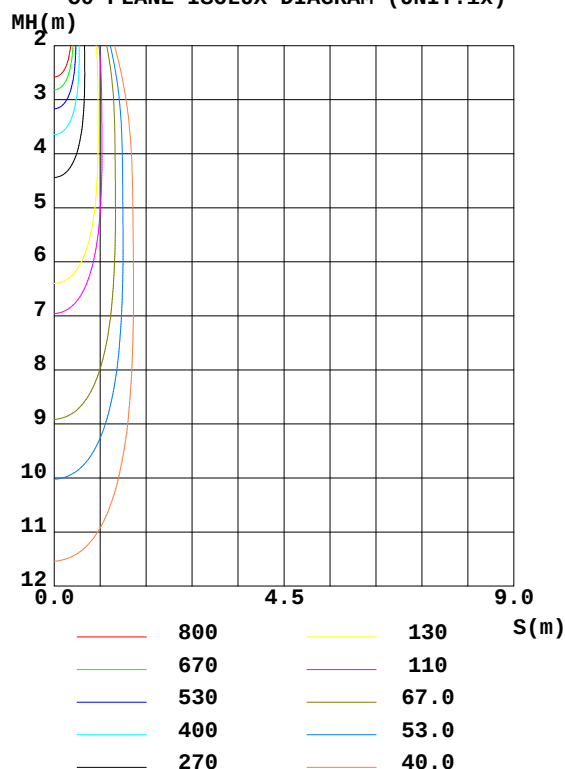
NAME: VM060-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.08 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5319	S/MH(C0/180)	0.35
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.37
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1225.7	η UP, DN(C0-180)	1.2, 48.9
NOMINAL FLUX(lm)	1225.7	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.7
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: 2021-08-10

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:

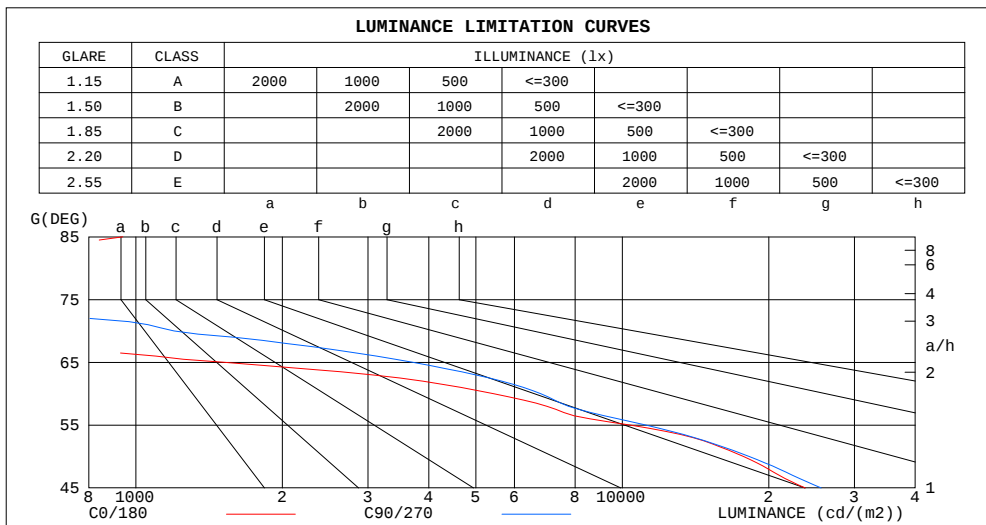
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2983	2960	2814	2815	2682	2769	3010	2993	0- 10	385.8	385.8	31.5, 31.5
20	839.7	834.5	817.6	822.9	802.0	803.3	854.1	828.5	10- 20	421.8	807.5	65.9, 65.9
30	268.8	268.1	263.0	260.7	255.0	256.8	279.0	266.7	20- 30	223.2	1031	84.1, 84.1
40	86.81	90.41	95.62	92.47	87.75	80.48	82.55	79.89	30- 40	96.00	1127	91.9, 91.9
50	37.72	38.71	38.85	38.73	37.33	34.56	34.94	34.97	40- 50	44.16	1171	95.5, 95.5
60	8.993	11.48	11.27	11.58	10.19	10.44	10.39	10.66	50- 60	19.33	1190	97.1, 97.1
70	0.2496	1.514	1.359	1.352	0.4746	1.166	1.251	1.223	60- 70	5.070	1195	97.5, 97.5
80	0.2405	0.2427	0.2166	0.2656	0.2535	0.2228	0.1990	0.2048	70- 80	0.4301	1196	97.6, 97.6
90	0.2689	0.2934	0.2584	0.3097	0.2711	0.2801	0.2741	0.2699	80- 90	0.2758	1196	97.6, 97.6
100	0.3855	0.3950	0.3821	0.3983	0.4124	0.3947	0.4268	0.3959	90-100	0.3583	1196	97.6, 97.6
110	0.6848	0.6709	0.6670	0.6707	0.7079	0.7055	0.7276	0.7056	100-110	0.5529	1197	97.7, 97.7
120	1.471	1.454	1.495	1.466	1.516	1.521	1.513	1.508	110-120	1.007	1198	97.7, 97.7
130	3.628	3.652	3.817	3.765	3.891	3.872	3.797	3.787	120-130	2.164	1200	97.9, 97.9
140	8.894	8.960	9.232	9.193	9.469	9.367	9.171	9.178	130-140	4.770	1205	98.3, 98.3
150	14.60	14.59	14.78	14.76	14.96	14.87	14.78	14.71	140-150	7.583	1212	98.9, 98.9
160	16.60	16.58	16.95	16.83	16.94	16.95	17.03	16.70	150-160	7.419	1220	99.5, 99.5
170	14.34	13.93	14.25	14.27	14.66	14.61	14.68	14.23	160-170	4.568	1224	99.9, 99.9
180	12.30	12.36	12.14	12.37	12.31	12.36	12.15	12.38	170-180	1.268	1226	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: 2021-08-10

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-VF62RF03-15W	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	940	817
80	419	376
75	284	255
70	221	1197
65	1519	3709
60	5436	6794
55	10371	11182
50	17736	18216
45	23758	25631

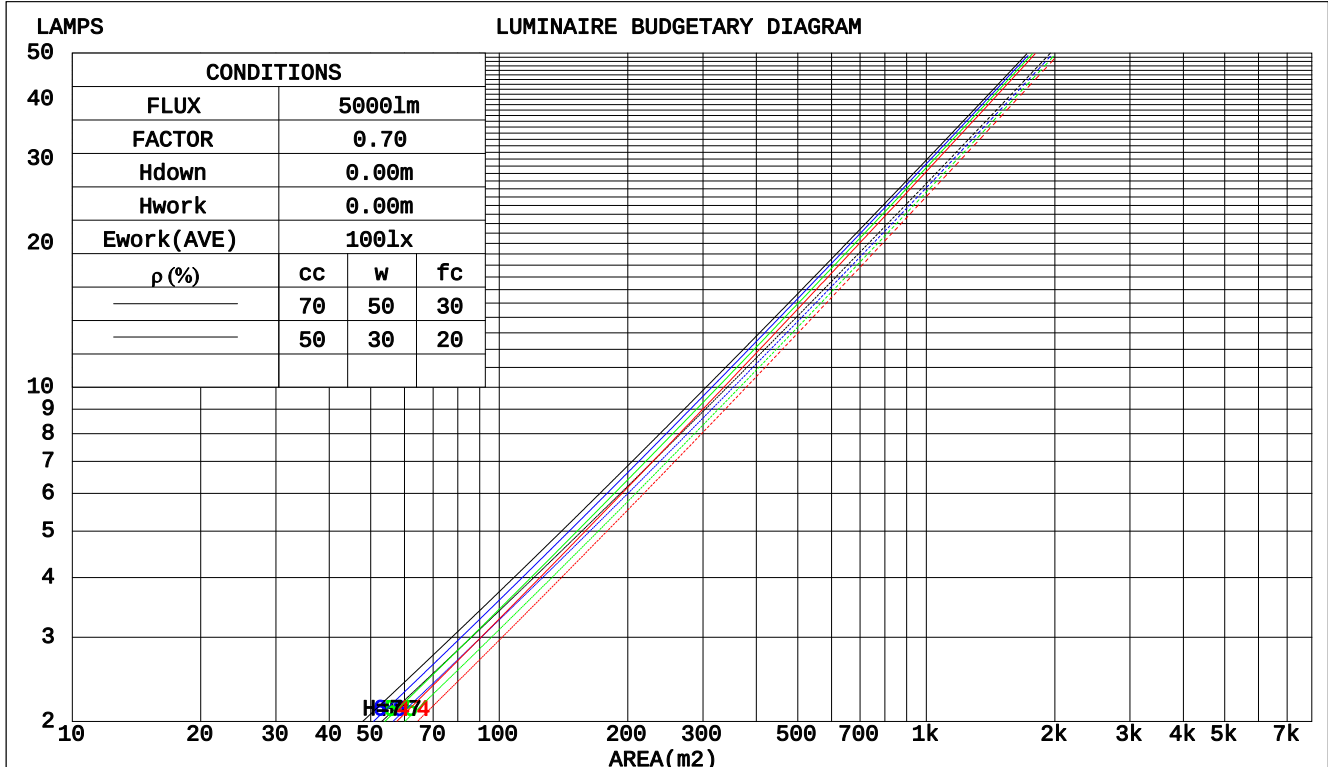
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-10

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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	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	1.12	1.09	1.07	1.09	1.07	1.06	1.05	1.03	1.02	1.01	.99	.98	.97	.96	.95	.93
2.0	1.05	1.02	.99	1.03	1.00	.98	.00	.98	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.00	.96	.93	.98	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.87	.85
4.0	.95	.91	.87	.94	.90	.87	.92	.88	.85	.89	.87	.84	.87	.85	.83	.82
5.0	.91	.86	.83	.90	.86	.82	.88	.84	.81	.86	.83	.81	.84	.82	.80	.78
6.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.83	.80	.77	.82	.79	.77	.75
7.0	.84	.79	.76	.83	.79	.75	.82	.78	.75	.80	.77	.74	.79	.76	.74	.73
8.0	.81	.76	.73	.80	.76	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.74	.71	.69	.68
10.0	.75	.71	.68	.75	.70	.68	.74	.70	.67	.73	.69	.67	.72	.69	.67	.66



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	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	.152	.086	.027	.145	.083	.026	.131	.075	.024	.118	.068	.022	.106	.062	.020		
2.0	.143	.078	.024	.137	.075	.023	.125	.070	.022	.114	.064	.020	.104	.059	.019		
3.0	.134	.071	.021	.129	.069	.021	.119	.065	.020	.110	.060	.018	.101	.056	.017		
4.0	.126	.066	.019	.122	.064	.019	.113	.060	.018	.105	.057	.017	.098	.053	.016		
5.0	.119	.061	.018	.115	.059	.017	.108	.056	.017	.101	.053	.016	.095	.051	.015		
6.0	.113	.057	.016	.110	.055	.016	.103	.053	.015	.097	.050	.015	.091	.048	.014		
7.0	.107	.053	.015	.104	.052	.015	.098	.050	.014	.093	.048	.014	.088	.046	.013		
8.0	.102	.050	.014	.099	.049	.014	.094	.047	.013	.089	.045	.013	.085	.044	.013		
9.0	.097	.047	.013	.095	.046	.013	.090	.045	.013	.086	.043	.012	.082	.042	.012		
10.0	.093	.045	.012	.091	.044	.012	.087	.043	.012	.083	.041	.012	.079	.040	.011		

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	.019	
2.0	.171	.151	.135	.147	.130	.116	.100	.090	.081	.058	.052	.048	.019	.017	.016	
3.0	.157	.132	.112	.135	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
4.0	.145	.117	.096	.125	.101	.083	.086	.071	.058	.050	.041	.035	.016	.013	.011	
5.0	.136	.105	.083	.116	.091	.072	.080	.064	.051	.046	.037	.030	.015	.012	.010	
6.0	.127	.095	.073	.109	.083	.063	.075	.058	.045	.044	.034	.027	.014	.011	.009	
7.0	.120	.088	.065	.103	.076	.056	.071	.053	.040	.041	.031	.024	.013	.010	.008	
8.0	.114	.081	.058	.098	.070	.051	.068	.049	.036	.039	.029	.022	.013	.010	.007	
9.0	.108	.075	.053	.093	.065	.047	.065	.046	.033	.038	.027	.020	.012	.009	.007	
10.0	.103	.071	.049	.089	.061	.043	.062	.043	.031	.036	.026	.018	.012	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF03-15W						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	15.5	16.3	15.8	16.5	16.6	15.7	16.5	16.0	16.7	16.9	
3H	15.4	16.1	15.7	16.3	16.5	15.6	16.3	15.9	16.5	16.8	
4H	15.3	15.9	15.6	16.2	16.4	15.5	16.2	15.8	16.4	16.7	
6H	15.2	15.8	15.5	16.1	16.4	15.4	16.0	15.8	16.3	16.6	
8H	15.2	15.7	15.5	16.0	16.3	15.4	16.0	15.7	16.3	16.6	
12H	15.1	15.7	15.5	16.0	16.3	15.3	15.9	15.7	16.2	16.5	
4H 2H	15.4	16.0	15.7	16.3	16.6	15.6	16.2	15.9	16.5	16.8	
3H	15.2	15.8	15.6	16.1	16.4	15.5	16.0	15.8	16.3	16.7	
4H	15.1	15.7	15.5	16.0	16.3	15.4	15.9	15.7	16.2	16.6	
6H	15.0	15.5	15.4	15.9	16.3	15.3	15.7	15.7	16.1	16.5	
8H	15.0	15.4	15.4	15.8	16.2	15.2	15.6	15.6	16.0	16.4	
12H	14.9	15.3	15.4	15.7	16.2	15.2	15.5	15.6	15.9	16.4	
8H 4H	15.0	15.4	15.4	15.8	16.2	15.2	15.6	15.6	16.0	16.4	
6H	14.9	15.2	15.3	15.6	16.1	15.1	15.4	15.6	15.9	16.3	
8H	14.8	15.1	15.3	15.6	16.1	15.0	15.3	15.5	15.8	16.3	
12H	14.7	15.0	15.3	15.5	16.0	15.0	15.2	15.5	15.7	16.2	
12H 4H	14.9	15.3	15.4	15.7	16.2	15.2	15.5	15.6	15.9	16.4	
6H	14.8	15.1	15.3	15.6	16.1	15.0	15.3	15.5	15.8	16.3	
8H	14.7	15.0	15.3	15.5	16.0	15.0	15.2	15.5	15.7	16.2	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.1 / - 5.2					+ 2.2 / - 4.8					
1.5H	+ 2.7 / - 3.0					+ 2.9 / - 3.3					
2.0H	+ 3.7 / - 5.3					+ 3.9 / - 5.4					

CIE Pub.117, 1226 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.7$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

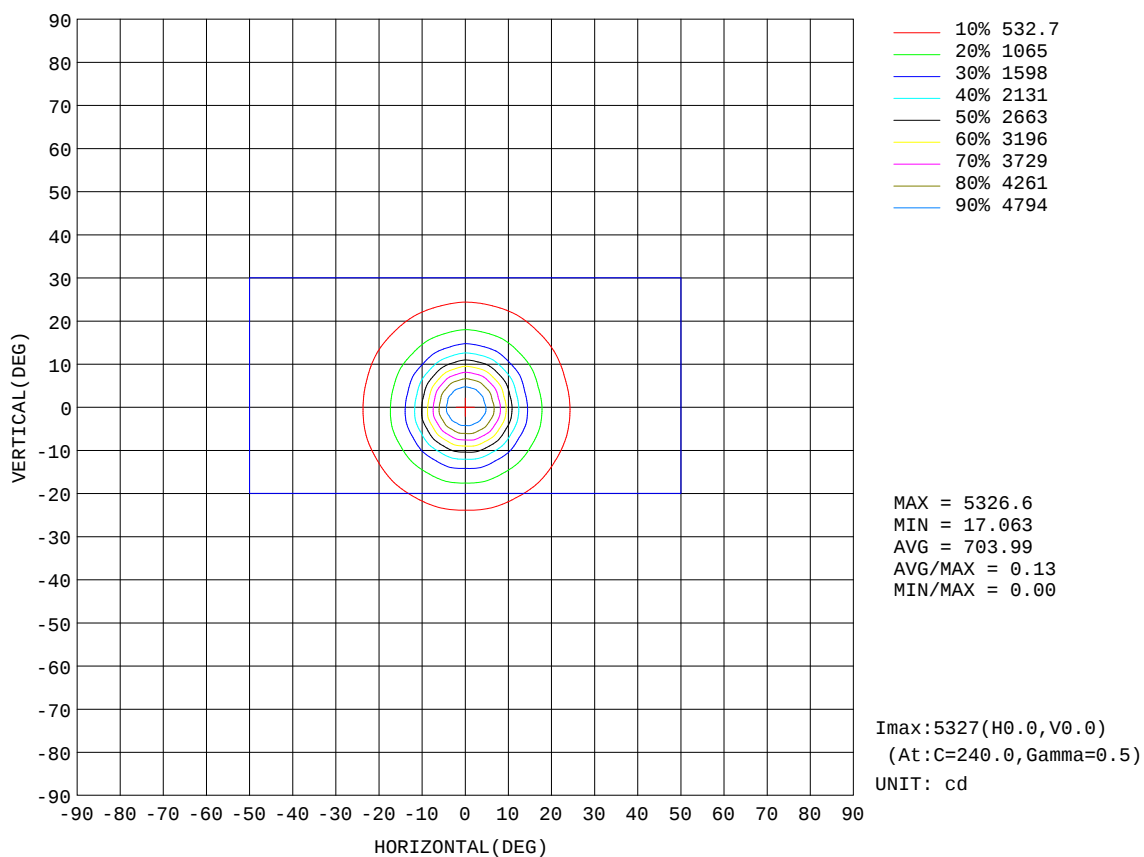
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	98	93	89	97	92	89	96	92	88	84
1.25	102	97	94	101	96	93	99	95	92	88
1.50	105	100	97	104	99	96	101	98	95	90
2.00	108	104	100	106	102	100	103	100	98	92
2.50	110	106	103	108	104	102	104	102	99	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	110	108	111	109	107	107	105	103	96
5.00	114	112	110	112	110	108	108	106	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:2021-08-10

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-VF62RF03-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

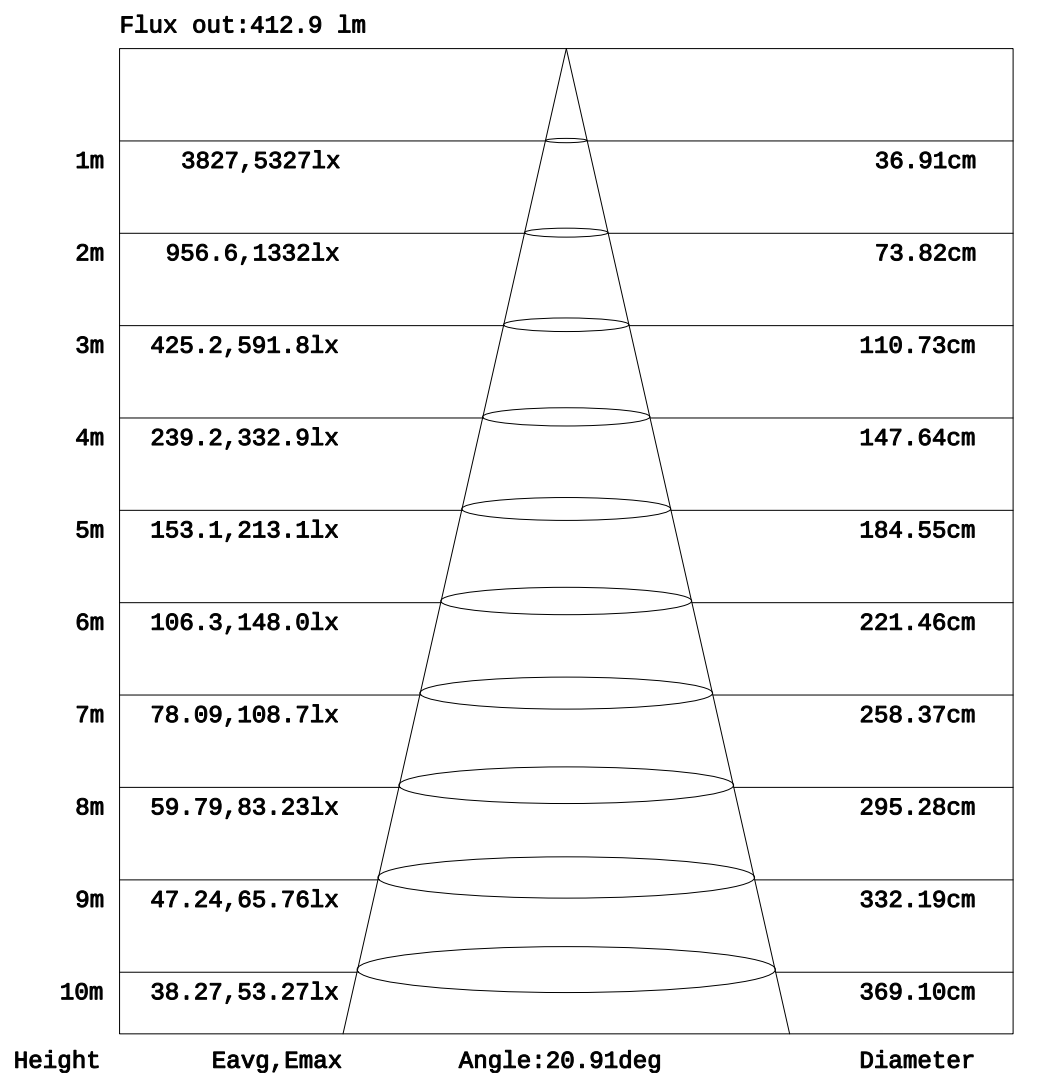


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-10

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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



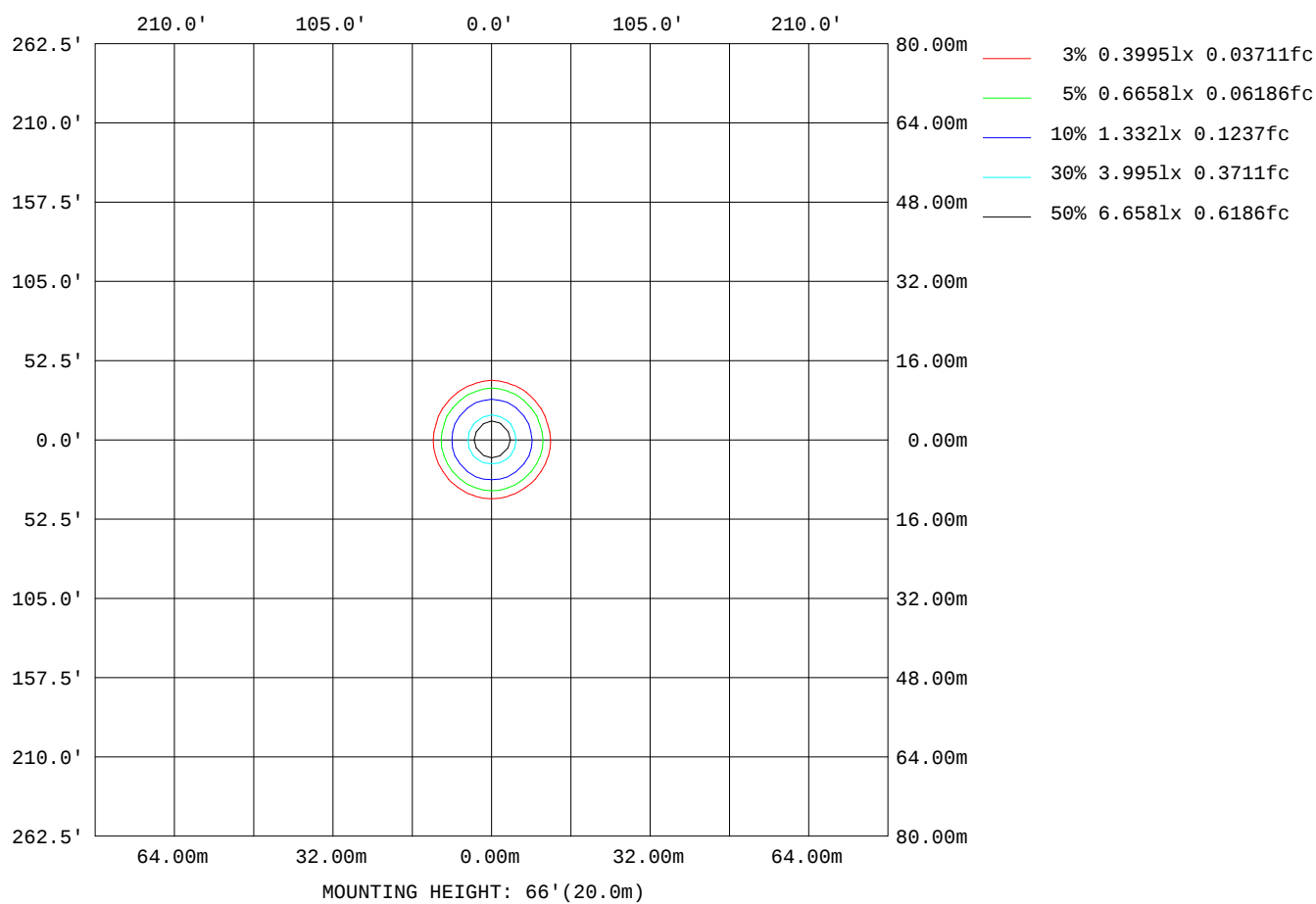
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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-VF62RF03-15W	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: 2021-08-10

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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

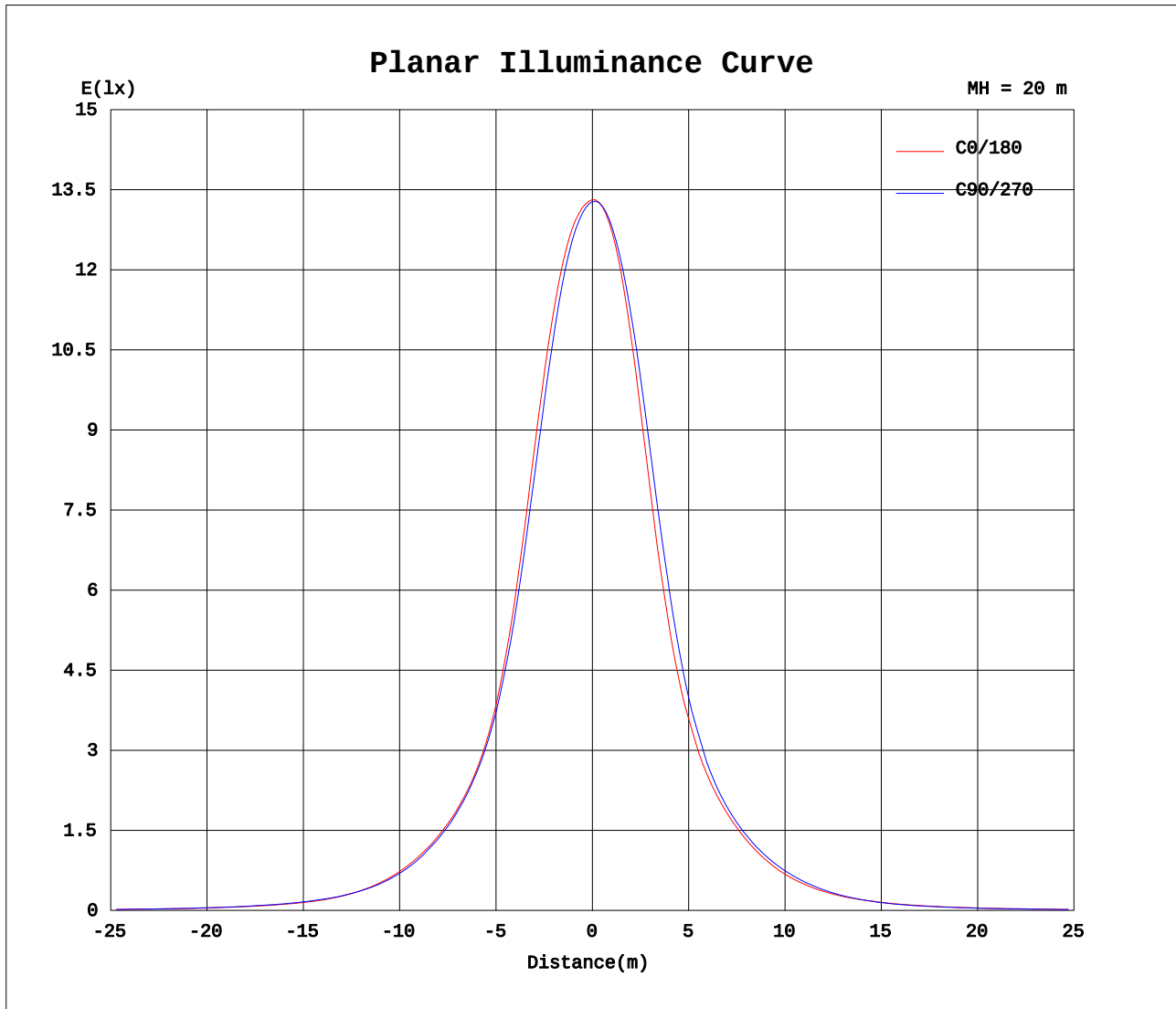
AvgL	cd/m2
L_0~180(65)av	1839
L_0~180(75)av	282
L_0~180(85)av	933
L_90~270(65)av	3698
L_90~270(75)av	238
L_90~270(85)av	799
L_45(65)av	3712
L_45(75)av	265
L_45(85)av	883

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

γ Range: 0 - 180DEG
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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: 2021-08-10

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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	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	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315	5315
5	4743	4757	4690	4703	4634	4650	4593	4626	4580	4632	4599	4667	4597	4574	4649	4632	4701	4679	4736
10	2983	3016	2919	2960	2870	2904	2814	2854	2769	2815	2734	2796	2682	2651	2759	2769	2896	2897	3010
15	1479	1519	1454	1498	1445	1492	1442	1486	1431	1465	1408	1439	1397	1360	1420	1403	1484	1474	1550
20	840	850	828	835	816	833	818	831	811	823	804	820	802	791	812	803	830	827	854
25	490	496	480	484	470	479	468	475	463	468	456	467	457	453	467	465	481	483	497
30	269	273	266	268	262	268	263	267	260	261	254	260	255	252	258	257	267	269	279
35	145	149	147	150	150	155	154	156	152	152	148	150	147	141	142	138	143	142	148
40	86.8	89.0	88.6	90.4	92.3	96.0	95.6	96.3	93.5	92.5	90.4	91.0	87.7	83.6	82.5	80.5	81.2	80.7	82.6
45	55.6	56.7	56.7	58.0	58.8	60.6	60.1	60.5	58.8	59.0	58.1	57.8	55.7	53.1	52.7	51.7	52.1	51.5	52.3
50	37.7	38.1	37.7	38.7	38.7	39.3	38.9	38.9	38.0	38.7	38.3	38.3	37.3	35.5	35.1	34.6	35.1	34.4	34.9
55	19.7	21.9	21.3	21.8	21.5	21.8	21.3	21.4	20.9	21.9	21.8	22.3	21.2	20.3	20.4	20.0	20.6	20.0	20.4
60	8.99	10.8	11.2	11.5	11.4	11.5	11.3	11.3	11.1	11.6	11.6	11.2	10.2	10.4	10.6	10.4	10.6	10.3	10.4
65	2.12	4.39	5.38	5.55	5.29	5.43	5.20	5.30	5.08	5.30	5.10	4.46	3.03	3.98	4.99	4.85	5.07	4.94	5.16
70	0.25	0.89	1.36	1.51	1.40	1.41	1.36	1.36	1.31	1.35	1.29	1.02	0.47	0.82	1.20	1.17	1.23	1.15	1.25
75	0.24	0.24	0.23	0.23	0.22	0.22	0.22	0.23	0.24	0.25	0.27	0.29	0.24	0.24	0.23	0.22	0.21	0.20	0.19
80	0.24	0.25	0.24	0.24	0.22	0.22	0.22	0.24	0.25	0.27	0.26	0.28	0.25	0.24	0.24	0.22	0.22	0.20	0.20
85	0.27	0.28	0.25	0.26	0.24	0.24	0.24	0.26	0.25	0.28	0.28	0.29	0.27	0.26	0.27	0.24	0.24	0.21	0.23
90	0.27	0.30	0.28	0.29	0.27	0.27	0.26	0.29	0.28	0.31	0.31	0.31	0.27	0.29	0.31	0.28	0.29	0.25	0.27
95	0.31	0.32	0.31	0.34	0.30	0.32	0.31	0.32	0.31	0.34	0.33	0.32	0.33	0.31	0.33	0.34	0.33	0.30	0.33
100	0.39	0.40	0.38	0.39	0.38	0.40	0.38	0.40	0.39	0.40	0.38	0.40	0.41	0.39	0.41	0.39	0.41	0.40	0.43
105	0.51	0.51	0.50	0.50	0.49	0.50	0.49	0.50	0.49	0.50	0.48	0.51	0.53	0.52	0.53	0.52	0.54	0.53	0.55
110	0.68	0.68	0.66	0.67	0.66	0.67	0.67	0.68	0.67	0.67	0.66	0.67	0.71	0.69	0.71	0.71	0.72	0.71	0.73
115	0.97	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.96	0.95	0.96	1.00	1.00	1.00	1.01	1.01	1.01	1.02
120	1.47	1.45	1.46	1.45	1.47	1.47	1.49	1.47	1.49	1.47	1.47	1.46	1.52	1.52	1.51	1.52	1.51	1.53	1.51
125	2.29	2.25	2.29	2.26	2.33	2.30	2.36	2.32	2.36	2.31	2.34	2.28	2.38	2.40	2.35	2.40	2.35	2.39	2.35
130	3.63	3.60	3.66	3.65	3.74	3.73	3.82	3.78	3.83	3.77	3.79	3.71	3.89	3.91	3.84	3.87	3.81	3.84	3.80
135	5.89	5.81	5.94	5.91	6.07	6.03	6.18	6.11	6.21	6.10	6.17	6.04	6.33	6.36	6.24	6.28	6.17	6.23	6.11
140	8.89	8.85	8.97	8.96	9.11	9.10	9.23	9.18	9.27	9.19	9.25	9.15	9.47	9.48	9.35	9.37	9.25	9.29	9.17
145	12.1	12.0	12.1	12.1	12.2	12.2	12.4	12.3	12.4	12.3	12.4	12.3	12.6	12.6	12.5	12.5	12.4	12.4	12.3
150	14.6	14.5	14.6	14.6	14.7	14.7	14.8	14.7	14.8	14.8	14.8	14.8	15.0	15.0	14.9	14.9	14.8	14.8	14.8
155	16.1	16.1	16.1	16.1	16.1	16.2	16.3	16.2	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4
160	16.6	16.5	16.5	16.6	16.7	16.7	17.0	16.9	16.8	16.8	16.8	16.8	16.9	17.0	16.9	16.9	17.0	17.0	17.0
165	16.0	15.9	15.7	15.8	16.0	16.2	16.3	16.3	16.2	16.1	16.1	16.2	16.3	16.4	16.4	16.3	16.4	16.5	16.6
170	14.3	14.2	14.0	13.9	14.0	14.2	14.2	14.3	14.2	14.3	14.4	14.6	14.7	14.7	14.8	14.6	14.6	14.6	14.7
175	12.7	12.6	12.5	12.5	12.5	12.4	12.4	12.4	12.6	12.8	12.9	12.9	12.9	13.0	13.1	13.1	13.0	12.8	12.8
180	12.3	12.2	12.2	12.4	12.2	12.1	12.1	12.1	12.1	12.4	12.3	12.2	12.3	12.2	12.2	12.4	12.2	12.1	12.2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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-VF62RF03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	5315	5315	5315	5315	5315														
5	4706	4751	4712	4745	4696														
10	2986	3059	2993	3028	2933														
15	1521	1564	1500	1525	1448														
20	841	852	828	839	819														
25	491	497	484	488	477														
30	275	278	267	267	260														
35	144	146	139	142	139														
40	81.6	81.5	79.9	81.9	82.1														
45	51.7	52.0	51.8	53.3	52.9														
50	34.3	34.8	35.0	36.1	35.8														
55	19.8	20.3	20.4	21.2	20.1														
60	10.2	10.5	10.7	10.9	9.21														
65	5.08	5.25	5.11	5.01	2.97														
70	1.20	1.32	1.22	1.11	0.48														
75	0.19	0.23	0.21	0.21	0.21														
80	0.19	0.21	0.20	0.22	0.21														
85	0.20	0.23	0.23	0.25	0.24														
90	0.25	0.28	0.27	0.30	0.27														
95	0.30	0.33	0.34	0.33	0.31														
100	0.41	0.41	0.40	0.41	0.39														
105	0.53	0.54	0.52	0.54	0.51														
110	0.72	0.72	0.71	0.72	0.70														
115	1.01	1.01	1.00	0.99	0.99														
120	1.52	1.50	1.51	1.48	1.50														
125	2.38	2.33	2.36	2.31	2.36														
130	3.82	3.77	3.79	3.73	3.78														
135	6.16	6.06	6.14	6.04	6.15														
140	9.20	9.10	9.18	9.09	9.20														
145	12.3	12.2	12.3	12.2	12.3														
150	14.8	14.7	14.7	14.7	14.7														
155	16.3	16.2	16.2	16.1	16.2														
160	17.0	16.8	16.7	16.6	16.6														
165	16.4	16.2	16.0	16.0	16.0														
170	14.5	14.4	14.2	14.2	14.3														
175	12.7	12.8	12.8	12.6	12.6														
180	12.1	12.2	12.4	12.3	12.2														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-10

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: