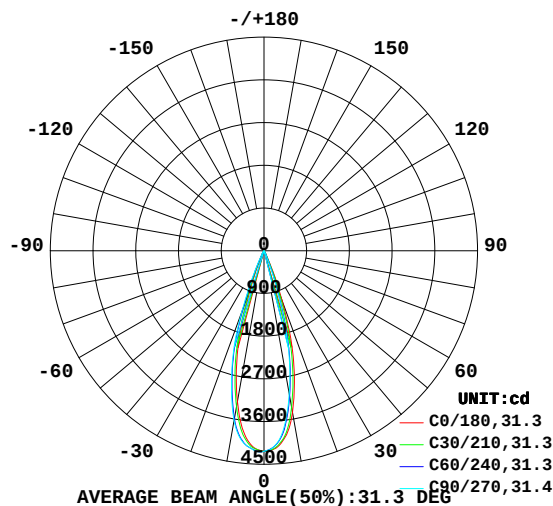


LUMINAIRE PHOTOMETRIC TEST REPORT

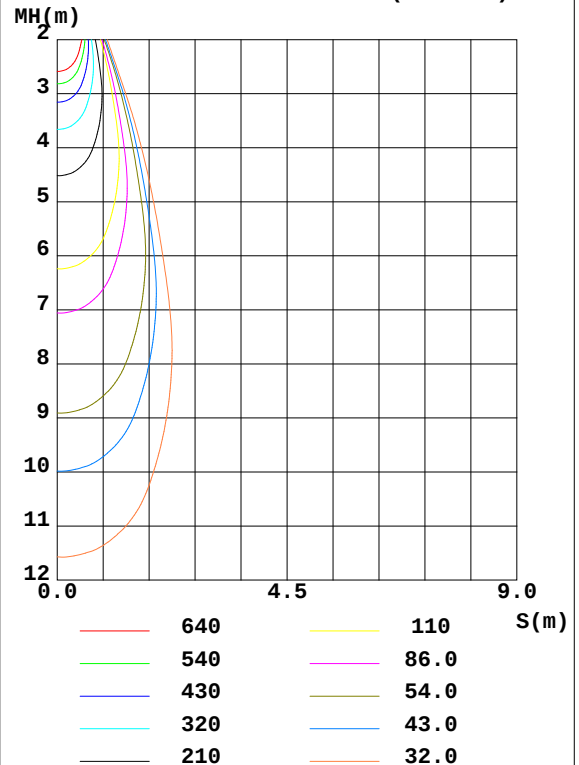
NAME: VM060-VF64RF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.70 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	4239	S/MH(C0/180)	0.46
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.53
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1168.2	η UP, DN(C0-180)	1.3, 45.9
NOMINAL FLUX(lm)	1168.16	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 51.7
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.5	CIBSE SHR MAX	0.50

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:

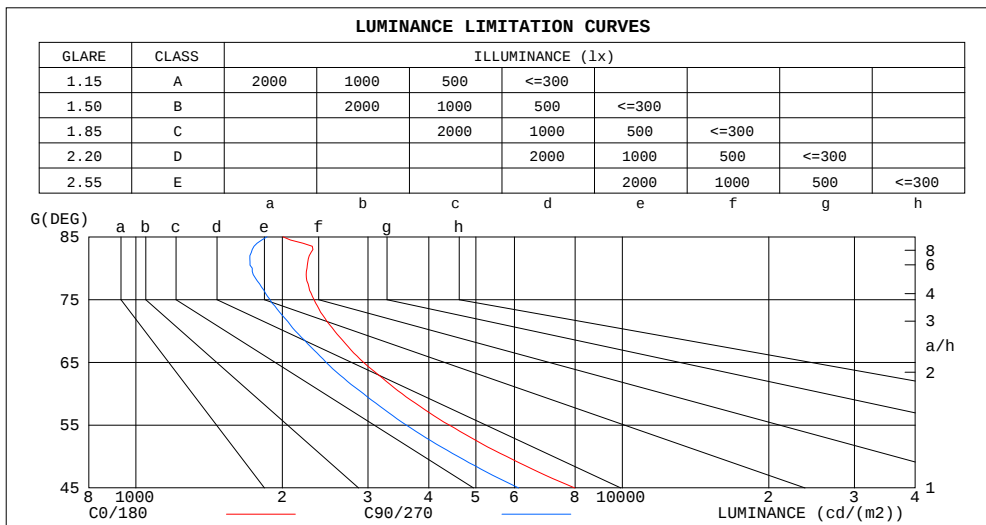
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3460	3290	3064	3196	3225	3406	3633	3451	0- 10	364.0	364.0	31.2, 31.2
20	1108	871.4	625.6	747.6	778.1	992.1	1373	1119	10- 20	586.6	950.5	81.4, 81.4
30	85.09	73.45	60.07	68.74	71.62	82.62	102.6	89.62	20- 30	139.4	1090	93.3, 93.3
40	24.88	22.06	18.64	19.57	20.63	23.24	27.35	25.88	30- 40	25.88	1116	95.5, 95.5
50	10.36	9.494	8.361	8.795	9.283	10.26	11.70	11.00	40- 50	11.69	1127	96.5, 96.5
60	4.913	4.605	4.157	4.377	4.588	5.007	5.548	5.214	50- 60	6.238	1134	97, 97
70	2.442	2.318	2.060	2.171	2.273	2.463	2.729	2.578	60- 70	3.423	1137	97.3, 97.3
80	1.088	0.9988	0.8530	0.8804	0.8939	1.031	1.090	1.116	70- 80	1.721	1139	97.5, 97.5
90	0.2944	0.2718	0.2856	0.2722	0.2397	0.2986	0.2852	0.3328	80- 90	0.6195	1139	97.5, 97.5
100	0.2746	0.2982	0.3032	0.3080	0.3117	0.2740	0.3011	0.2788	90-100	0.3000	1140	97.6, 97.6
110	0.3332	0.3552	0.3650	0.3749	0.3792	0.3398	0.3586	0.3435	100-110	0.3412	1140	97.6, 97.6
120	0.6223	0.7286	0.9411	0.8331	0.8425	0.7028	0.6028	0.6461	110-120	0.4635	1141	97.6, 97.6
130	3.009	3.468	4.155	3.746	3.732	3.230	2.774	3.039	120-130	1.588	1142	97.8, 97.8
140	8.497	9.187	10.10	9.588	9.539	8.765	8.044	8.518	130-140	4.610	1147	98.2, 98.2
150	14.84	15.35	16.14	15.76	15.82	15.11	14.50	14.88	140-150	7.625	1154	98.8, 98.8
160	17.32	17.39	17.45	17.78	17.67	17.87	17.92	17.74	150-160	7.836	1162	99.5, 99.5
170	14.28	13.58	13.68	14.25	14.24	14.63	15.10	14.63	160-170	4.673	1167	99.9, 99.9
180	12.19	12.36	12.28	12.79	12.22	12.33	12.28	12.79	170-180	1.265	1168	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
 γ 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-VF64RF01-15W	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	2007	1860
80	2248	1735
75	2325	1886
70	2562	2127
65	2938	2460
60	3525	2936
55	4407	3595
50	5782	4594
45	7979	6121

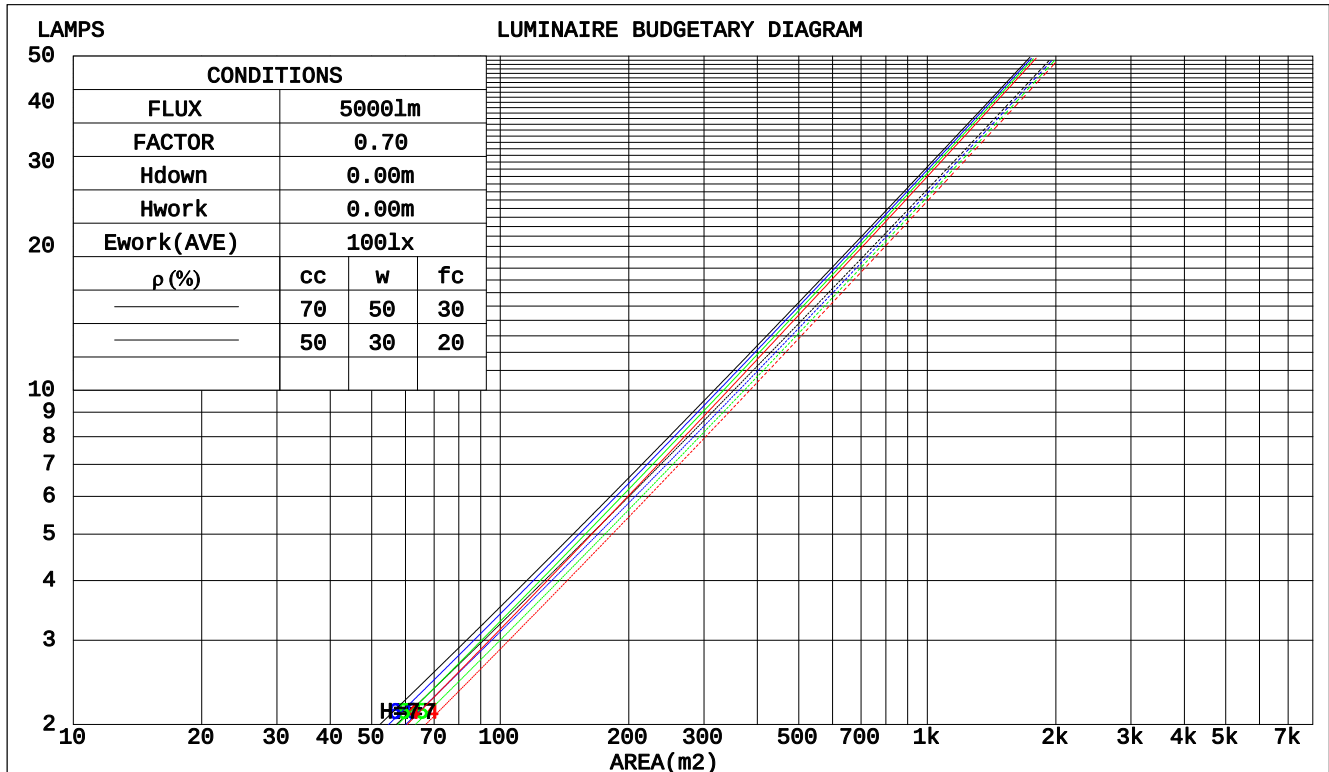
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

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-VF64RF01-15W	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	1.08	1.10	1.08	1.06	1.05	1.04	1.03	1.01	1.00	.99	.97	.97	.96	.94
2.0	1.07	1.04	1.01	1.05	1.02	.00	1.01	.99	.97	.98	.96	.95	.95	.94	.92	.91
3.0	1.02	.98	.95	1.00	.97	.94	.98	.95	.93	.95	.93	.91	.93	.91	.89	.88
4.0	.98	.94	.91	.97	.93	.90	.94	.91	.89	.92	.90	.87	.90	.88	.86	.85
5.0	.94	.90	.87	.93	.89	.86	.91	.88	.85	.89	.87	.84	.88	.85	.83	.82
6.0	.91	.86	.83	.90	.86	.83	.88	.85	.82	.87	.84	.82	.85	.83	.81	.80
7.0	.88	.83	.80	.87	.83	.80	.86	.82	.80	.84	.81	.79	.83	.81	.79	.77
8.0	.85	.81	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.81	.78	.76	.75
9.0	.82	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.75	.79	.76	.74	.73
10.0	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.77	.74	.72	.71



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-VF64RF01-15W	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	.142	.081	.026	.134	.077	.024	.120	.069	.022	.108	.062	.020	.096	.056	.018		
2.0	.131	.072	.022	.125	.069	.021	.113	.063	.020	.103	.058	.018	.093	.053	.017		
3.0	.122	.065	.019	.117	.062	.019	.107	.058	.018	.098	.054	.016	.090	.050	.015		
4.0	.114	.059	.017	.110	.057	.017	.101	.054	.016	.094	.050	.015	.086	.047	.014		
5.0	.107	.055	.016	.103	.053	.015	.096	.050	.015	.090	.047	.014	.083	.044	.013		
6.0	.101	.051	.015	.098	.050	.014	.092	.047	.014	.086	.045	.013	.080	.042	.013		
7.0	.096	.048	.013	.093	.046	.013	.088	.044	.013	.083	.042	.012	.078	.040	.012		
8.0	.092	.045	.013	.089	.044	.012	.084	.042	.012	.079	.040	.012	.075	.039	.011		
9.0	.088	.042	.012	.085	.042	.012	.081	.040	.011	.077	.038	.011	.073	.037	.011		
10.0	.084	.040	.011	.082	.039	.011	.078	.038	.011	.074	.037	.010	.071	.035	.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	.188	.176	.167	.160	.151	.143	.110	.104	.099	.063	.060	.058	.020	.019	.019	
2.0	.170	.152	.136	.145	.131	.118	.100	.090	.082	.057	.053	.048	.018	.017	.016	
3.0	.155	.132	.114	.133	.114	.099	.091	.079	.070	.053	.046	.041	.017	.015	.013	
4.0	.143	.117	.098	.122	.101	.085	.084	.071	.060	.049	.041	.035	.016	.013	.012	
5.0	.132	.105	.085	.114	.091	.074	.078	.063	.052	.045	.037	.031	.015	.012	.010	
6.0	.124	.095	.075	.106	.082	.065	.073	.058	.046	.043	.034	.027	.014	.011	.009	
7.0	.116	.087	.067	.100	.075	.058	.069	.053	.041	.040	.031	.024	.013	.010	.008	
8.0	.110	.080	.060	.094	.070	.052	.065	.049	.037	.038	.029	.022	.012	.009	.007	
9.0	.104	.075	.055	.090	.065	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
10.0	.099	.070	.051	.085	.061	.044	.059	.043	.031	.035	.025	.019	.011	.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-VF64RF01-15W						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	8.0	8.6	8.2	8.8	9.0	6.6	7.2	6.8	7.4	7.6	
3H	8.3	9.0	8.6	9.2	9.4	7.0	7.6	7.2	7.8	8.0	
4H	8.5	9.1	8.8	9.3	9.6	7.1	7.7	7.4	8.0	8.2	
6H	8.6	9.2	8.9	9.4	9.7	7.3	7.8	7.6	8.1	8.3	
8H	8.7	9.2	9.0	9.5	9.8	7.3	7.8	7.6	8.1	8.4	
12H	8.7	9.2	9.1	9.5	9.8	7.3	7.8	7.7	8.1	8.4	
4H 2H	8.0	8.6	8.3	8.9	9.1	6.7	7.3	7.0	7.6	7.8	
3H	8.5	9.0	8.8	9.3	9.6	7.3	7.8	7.6	8.1	8.4	
4H	8.7	9.2	9.1	9.5	9.9	7.5	8.0	7.9	8.3	8.7	
6H	8.9	9.4	9.4	9.7	10.1	7.7	8.1	8.1	8.5	8.9	
8H	9.0	9.4	9.5	9.8	10.2	7.8	8.2	8.2	8.6	9.0	
12H	9.1	9.5	9.6	9.9	10.3	7.9	8.2	8.3	8.6	9.1	
8H 4H	8.7	9.1	9.2	9.5	9.9	7.6	8.0	8.0	8.4	8.8	
6H	9.0	9.4	9.5	9.8	10.2	7.9	8.2	8.3	8.6	9.1	
8H	9.2	9.5	9.7	9.9	10.4	8.0	8.3	8.5	8.8	9.2	
12H	9.3	9.6	9.8	10.0	10.6	8.1	8.4	8.6	8.9	9.4	
12H 4H	8.7	9.0	9.1	9.5	9.9	7.6	7.9	8.0	8.3	8.8	
6H	9.0	9.3	9.5	9.8	10.2	7.9	8.2	8.4	8.6	9.1	
8H	9.2	9.4	9.7	9.9	10.4	8.1	8.3	8.6	8.8	9.3	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.1 / - 1.3					+ 0.9 / - 1.2					
1.5H	+ 1.9 / - 1.0					+ 1.2 / - 0.9					
2.0H	+ 1.9 / - 1.1					+ 1.5 / - 1.0					

CIE Pub.117, 1168 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.5$)

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-VF64RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

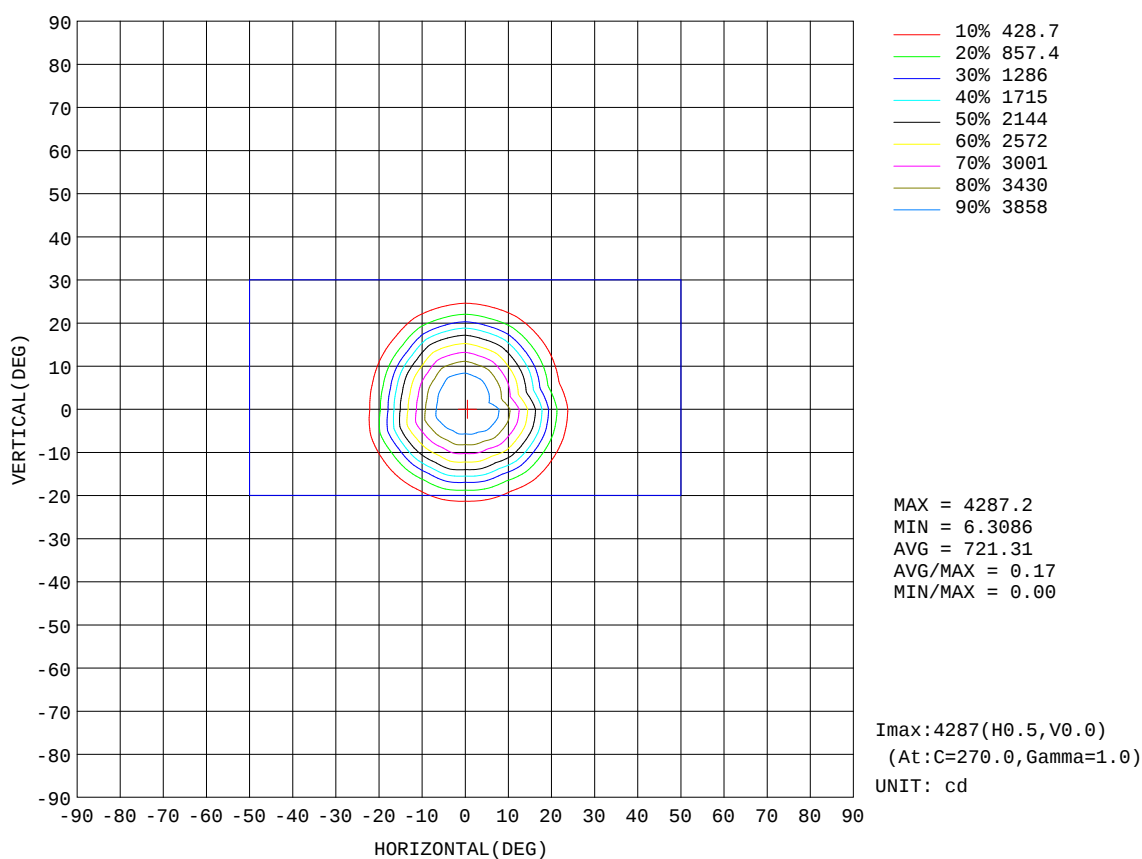
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	83	79	87	82	79	76
0.80	96	90	87	95	90	87	94	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	98	105	101	98	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	104	108	105	102	105	102	100	94
3.00	112	108	106	110	107	104	106	104	102	95
4.00	113	111	109	111	109	107	107	105	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:2021-08-10

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:

ISOCANDELA DIAGRAM

NAME: VM060-VF64RF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

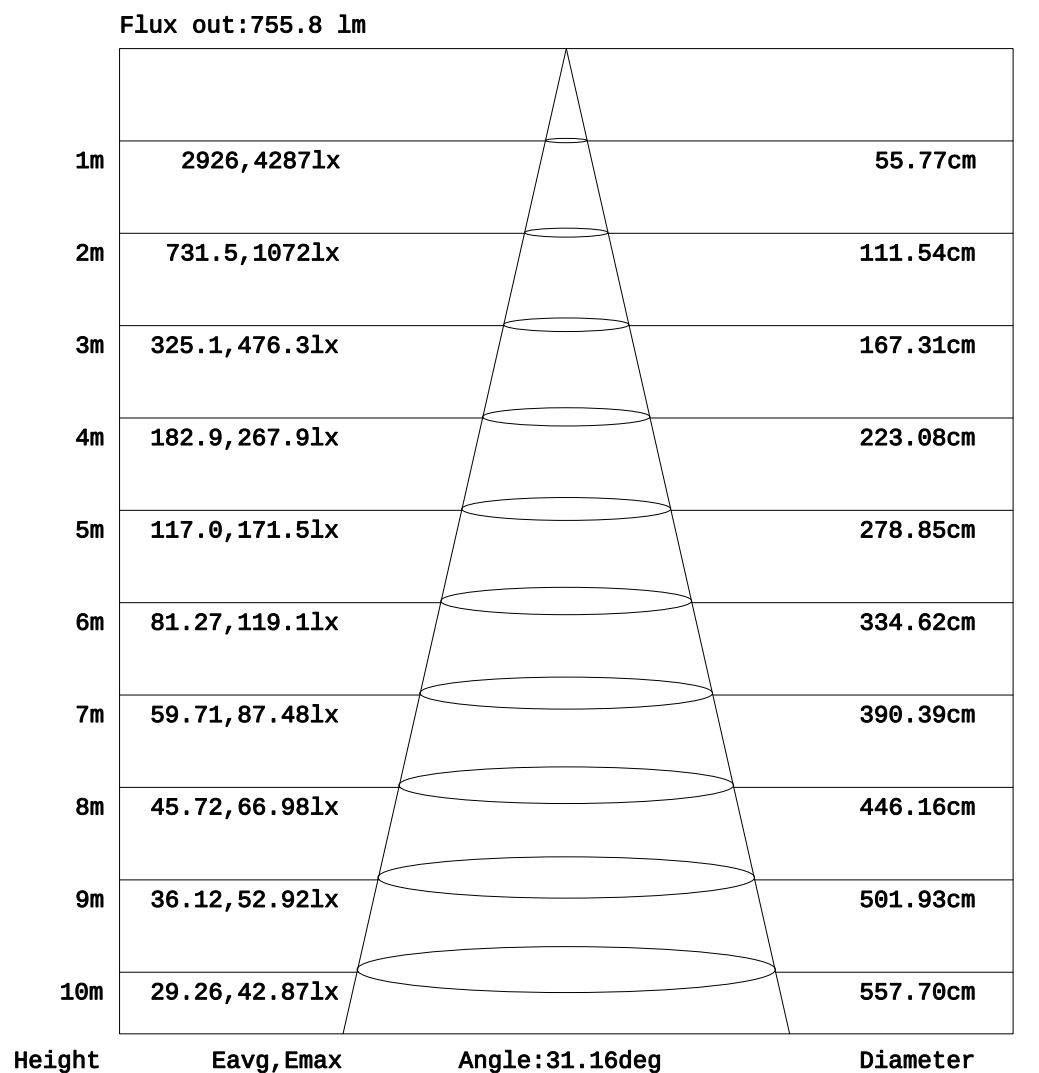


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-10

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-VF64RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



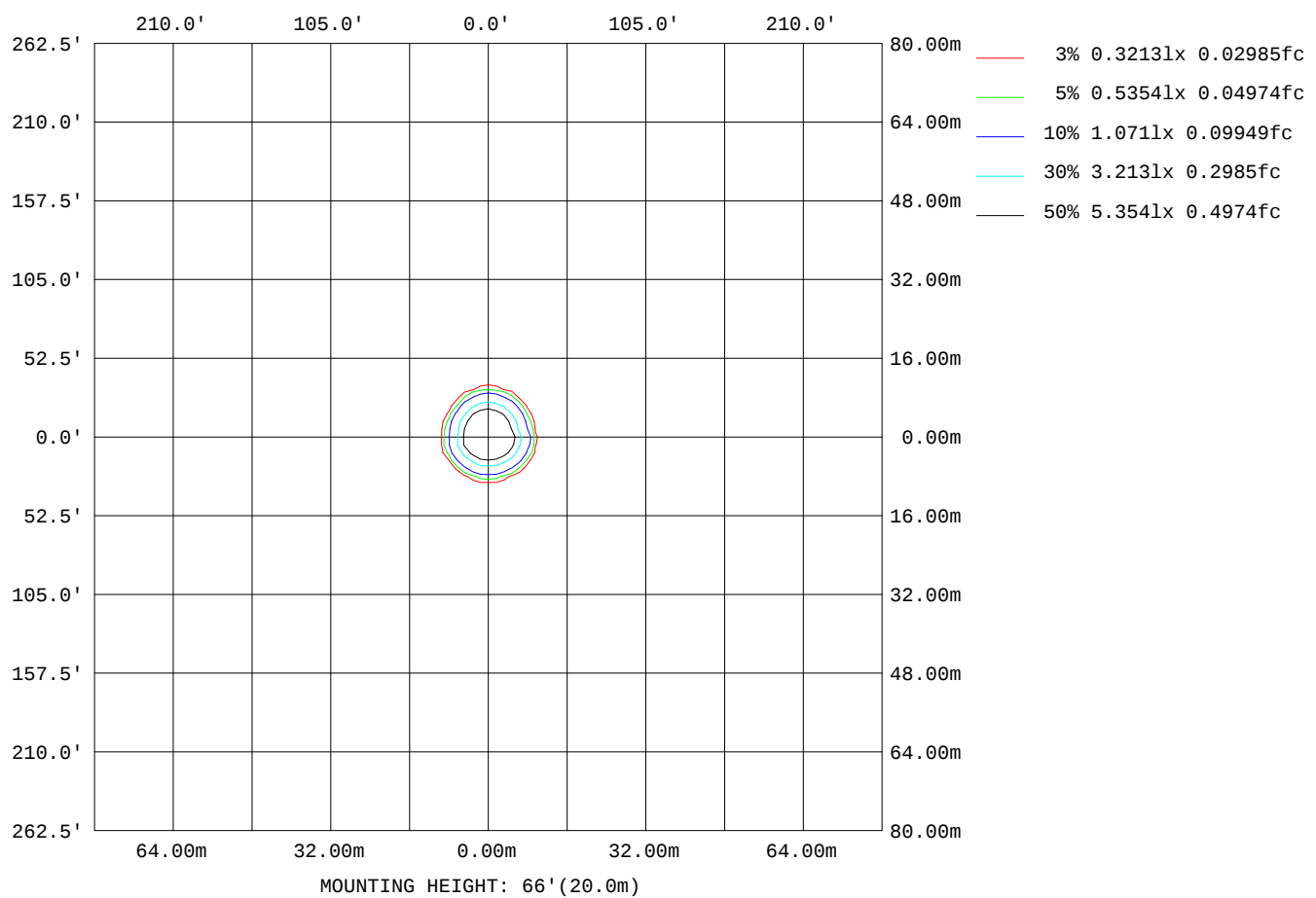
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-VF64RF01-15W	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: 2021-08-10

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-VF64RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

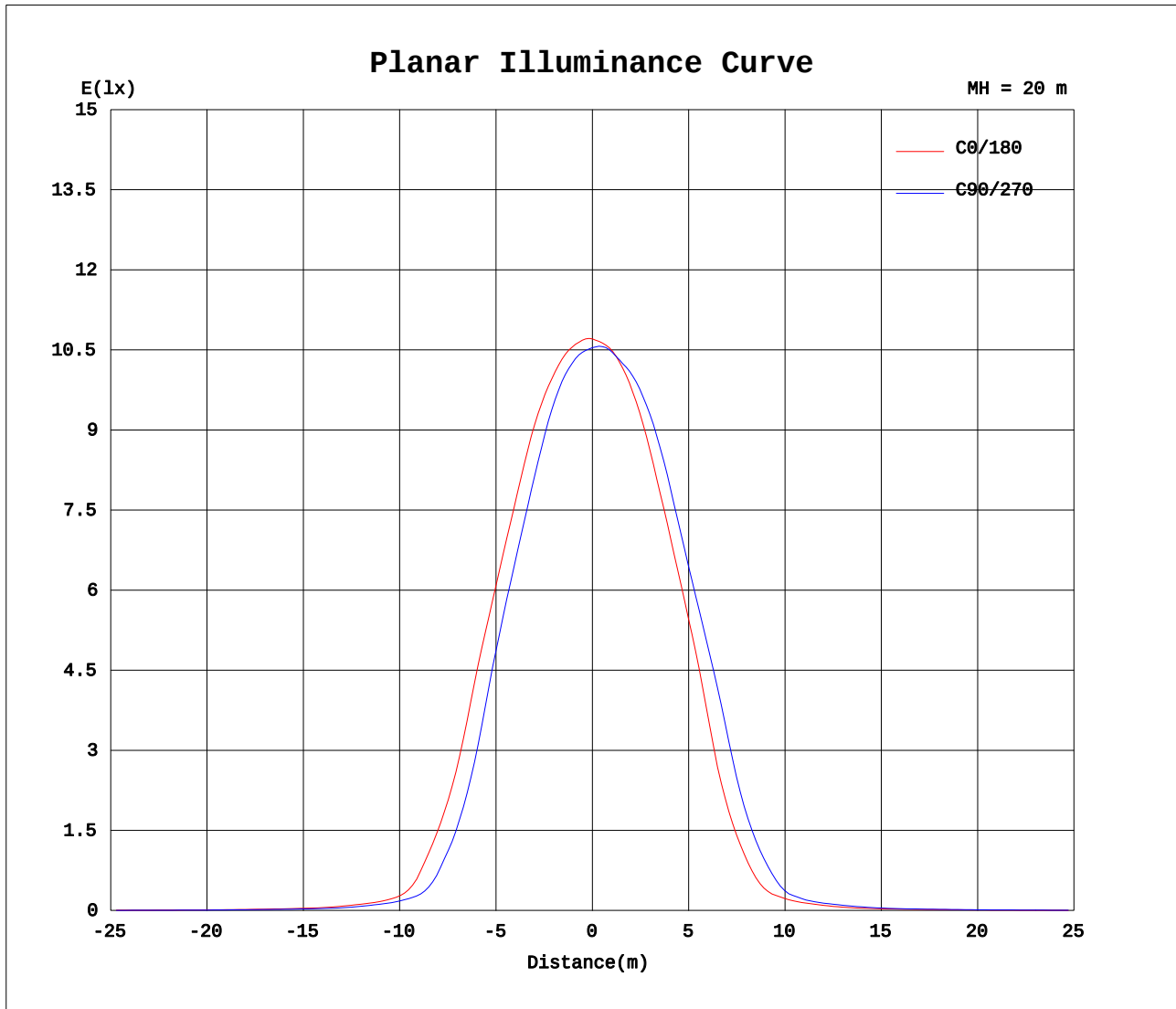
AvgL	cd/m2
L_0~180(65)av	2817
L_0~180(75)av	2184
L_0~180(85)av	1992
L_90~270(65)av	2870
L_90~270(75)av	2192
L_90~270(85)av	2022
L_45(65)av	2846
L_45(75)av	2197
L_45(85)av	2287

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
 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: 2021-08-10

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-VF64RF01-15W	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	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226	4226
5	4078	4085	4050	4033	3974	3977	3952	3988	3973	4016	4042	4099	4004	3999	4047	4071	4130	4121	4127
10	3460	3457	3351	3290	3111	3113	3064	3130	3094	3196	3266	3417	3225	3235	3339	3406	3592	3600	3633
15	2418	2403	2260	2172	1940	1944	1873	1966	1923	2065	2174	2365	2130	2148	2284	2364	2585	2588	2625
20	1108	1083	955	871	682	675	626	684	663	748	810	977	778	798	912	992	1250	1281	1373
25	253	252	209	183	139	147	133	152	144	166	167	193	165	165	185	209	308	330	372
30	85.1	83.0	77.8	73.4	63.9	62.5	60.1	62.4	64.0	68.7	71.2	77.9	71.6	73.8	78.5	82.6	94.0	97.5	103
35	40.4	39.9	37.3	34.9	31.2	30.1	29.0	29.3	29.6	30.7	30.9	31.7	32.0	33.0	35.2	37.8	45.0	47.4	50.5
40	24.9	24.4	23.2	22.1	20.0	19.3	18.6	18.9	19.1	19.6	19.6	20.4	20.6	21.2	22.3	23.2	25.2	26.3	27.3
45	15.7	15.4	14.7	14.2	13.0	12.6	12.3	12.4	12.6	12.9	13.0	13.4	13.6	14.0	14.6	15.2	16.4	17.0	17.7
50	10.4	10.2	9.78	9.49	8.82	8.58	8.36	8.46	8.60	8.79	8.86	9.17	9.28	9.53	9.92	10.3	11.0	11.3	11.7
55	7.05	6.96	6.71	6.56	6.13	5.99	5.84	5.91	6.01	6.16	6.20	6.42	6.49	6.64	6.90	7.10	7.57	7.77	7.98
60	4.91	4.86	4.72	4.61	4.36	4.25	4.16	4.20	4.28	4.38	4.41	4.55	4.59	4.71	4.87	5.01	5.30	5.42	5.55
65	3.46	3.45	3.33	3.29	3.09	3.03	2.94	3.00	3.03	3.12	3.12	3.25	3.27	3.32	3.45	3.53	3.76	3.82	3.91
70	2.44	2.43	2.35	2.32	2.18	2.13	2.06	2.08	2.11	2.17	2.18	2.28	2.27	2.31	2.40	2.46	2.63	2.66	2.73
75	1.68	1.66	1.61	1.57	1.48	1.43	1.38	1.39	1.41	1.44	1.46	1.53	1.52	1.55	1.61	1.65	1.77	1.80	1.82
80	1.09	1.07	1.03	1.00	0.93	0.88	0.85	0.84	0.86	0.88	0.90	0.95	0.89	0.88	0.99	1.03	1.12	1.11	1.09
85	0.49	0.60	0.58	0.56	0.51	0.47	0.46	0.46	0.47	0.48	0.50	0.51	0.49	0.49	0.54	0.58	0.62	0.58	0.54
90	0.29	0.27	0.29	0.27	0.28	0.28	0.29	0.28	0.28	0.27	0.27	0.27	0.24	0.25	0.28	0.30	0.30	0.28	0.29
95	0.27	0.28	0.27	0.28	0.28	0.29	0.28	0.29	0.28	0.29	0.28	0.29	0.28	0.25	0.26	0.24	0.26	0.24	0.27
100	0.27	0.30	0.28	0.30	0.29	0.31	0.30	0.32	0.30	0.31	0.30	0.31	0.31	0.31	0.29	0.30	0.27	0.29	0.30
105	0.30	0.32	0.31	0.32	0.31	0.34	0.32	0.34	0.32	0.34	0.32	0.34	0.34	0.31	0.33	0.31	0.32	0.31	0.33
110	0.33	0.35	0.34	0.36	0.35	0.38	0.37	0.39	0.36	0.37	0.35	0.37	0.38	0.35	0.36	0.34	0.35	0.34	0.36
115	0.39	0.41	0.40	0.43	0.45	0.48	0.48	0.49	0.47	0.47	0.44	0.44	0.47	0.44	0.44	0.41	0.41	0.39	0.41
120	0.62	0.64	0.69	0.73	0.86	0.88	0.94	0.90	0.91	0.83	0.77	0.71	0.84	0.82	0.76	0.70	0.63	0.60	0.60
125	1.41	1.42	1.58	1.68	1.98	2.03	2.11	2.04	2.05	1.89	1.76	1.56	1.89	1.84	1.69	1.57	1.35	1.34	1.28
130	3.01	3.05	3.30	3.47	3.96	3.99	4.15	3.99	4.03	3.75	3.55	3.22	3.73	3.66	3.42	3.23	2.88	2.82	2.77
135	5.48	5.51	5.84	6.07	6.68	6.74	6.92	6.71	6.76	6.42	6.15	5.70	6.38	6.31	5.96	5.73	5.23	5.19	5.08
140	8.50	8.59	8.92	9.19	9.84	9.91	10.1	9.90	9.94	9.59	9.26	8.80	9.54	9.44	9.08	8.76	8.23	8.15	8.04
145	11.8	11.9	12.2	12.4	13.1	13.2	13.4	13.2	13.2	12.9	12.6	12.1	12.8	12.8	12.4	12.1	11.5	11.4	11.3
150	14.8	14.9	15.2	15.3	15.8	16.0	16.1	16.0	16.0	15.8	15.5	15.2	15.8	15.7	15.4	15.1	14.7	14.6	14.5
155	16.9	16.9	17.0	17.2	17.4	17.5	17.6	17.6	17.6	17.6	17.5	17.3	17.7	17.6	17.4	17.3	17.0	17.0	17.0
160	17.3	17.3	17.2	17.4	17.3	17.4	17.4	17.6	17.7	17.8	17.7	17.7	17.7	17.7	17.8	17.9	17.9	17.9	17.9
165	16.2	16.1	15.9	16.0	15.8	16.1	16.2	16.4	16.3	16.4	16.4	16.7	16.3	16.5	16.6	16.8	17.1	17.1	17.2
170	14.3	14.1	13.8	13.6	13.3	13.5	13.7	14.0	14.0	14.3	14.6	14.9	14.2	14.4	14.6	14.6	14.9	15.0	15.1
175	12.4	12.3	12.1	12.2	12.1	12.0	12.0	12.3	12.6	13.0	13.2	13.3	12.5	12.6	12.9	13.0	13.1	13.1	13.0
180	12.2	12.2	12.2	12.4	12.2	12.1	12.3	12.3	12.5	12.8	12.7	12.7	12.2	12.1	12.2	12.3	12.2	12.1	12.3

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-VF64RF01-15W	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	4226	4226	4226	4226	4226														
5	4099	4099	4062	4031	3979														
10	3566	3569	3451	3357	3209														
15	2538	2542	2398	2278	2092														
20	1276	1277	1119	1007	847														
25	344	343	278	236	179														
30	99.2	97.2	89.6	84.0	77.0														
35	49.2	48.1	44.1	41.5	37.8														
40	27.4	26.9	25.9	25.4	24.1														
45	17.6	17.3	16.6	16.3	15.4														
50	11.6	11.4	11.0	10.8	10.3														
55	7.93	7.76	7.50	7.35	7.02														
60	5.50	5.39	5.21	5.11	4.93														
65	3.87	3.81	3.66	3.62	3.47														
70	2.70	2.67	2.58	2.55	2.45														
75	1.79	1.80	1.76	1.74	1.67														
80	1.08	1.08	1.12	1.12	1.08														
85	0.54	0.55	0.64	0.65	0.58														
90	0.32	0.28	0.33	0.31	0.30														
95	0.26	0.26	0.25	0.27	0.25														
100	0.28	0.30	0.28	0.30	0.28														
105	0.31	0.33	0.31	0.33	0.32														
110	0.34	0.36	0.34	0.36	0.34														
115	0.39	0.41	0.39	0.42	0.41														
120	0.62	0.62	0.65	0.69	0.75														
125	1.36	1.33	1.45	1.54	1.74														
130	2.86	2.85	3.04	3.24	3.56														
135	5.23	5.21	5.49	5.75	6.18														
140	8.20	8.19	8.52	8.84	9.30														
145	11.5	11.5	11.8	12.1	12.6														
150	14.6	14.6	14.9	15.1	15.5														
155	17.0	17.0	17.1	17.2	17.4														
160	17.9	17.8	17.7	17.6	17.5														
165	17.0	16.9	16.7	16.5	16.2														
170	14.9	14.9	14.6	14.5	14.3														
175	13.1	13.3	13.2	12.9	12.7														
180	12.3	12.5	12.8	12.7	12.7														

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: