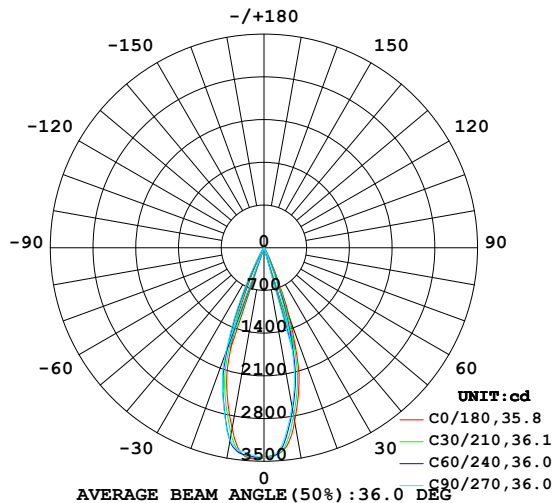


LUMINAIRE PHOTOMETRIC TEST REPORT

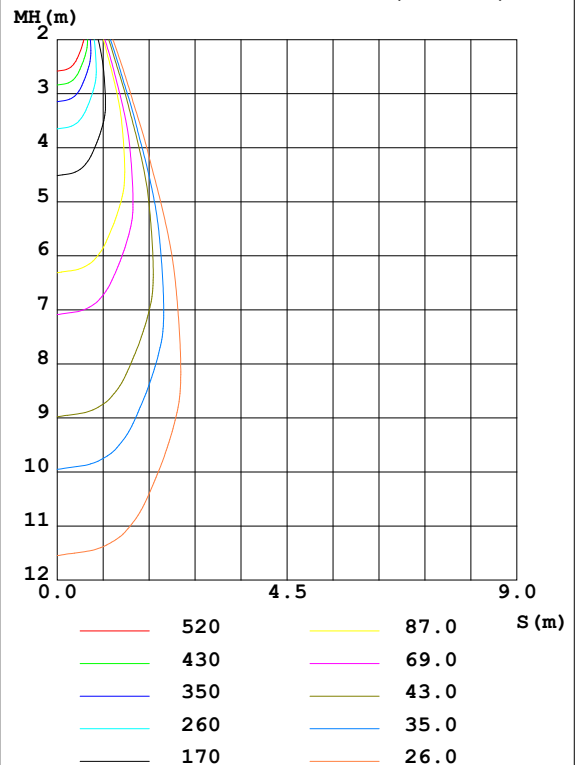
NAME: VM060-VF64RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.81 lm/W			
MODEL	BXRE-30G1000-C-7X	I _{max} (cd)	3465	S/MH (C0/180)	0.56
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.62
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	1208.5	η UP, DN (C0-180)	1.3, 42.1
NOMINAL FLUX (lm)	1208.49	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.2, 55.5
LAMPS INSIDE	1	η up (%)	2.5	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	230	η down (%)	97.5	CIBSE SHR MAX	0.55

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

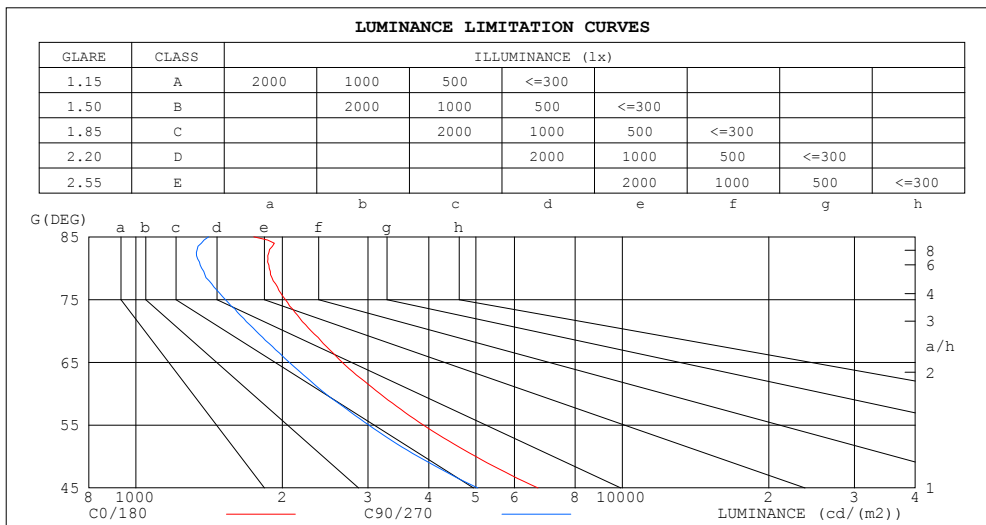
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2891	2775	2646	2782	3007	3138	3205	3036	0- 10	307.0	307.0	25.4,25.4
20	1232	1018	713.6	979.5	1397	1618	1835	1490	10- 20	597.2	904.2	74.8,74.8
30	107.9	69.22	49.84	58.70	92.05	148.2	230.4	170.0	20- 30	223.9	1128	93.3,93.3
40	20.29	17.90	15.33	17.00	19.52	21.86	24.72	22.85	30- 40	29.23	1157	95.8,95.8
50	9.000	7.907	6.903	7.634	8.638	9.847	11.12	10.37	40- 50	10.39	1168	96.6,96.6
60	4.450	3.925	3.468	3.879	4.384	4.947	5.489	5.143	50- 60	5.702	1173	97.1,97.1
70	2.197	1.926	1.707	1.953	2.259	2.523	2.779	2.557	60- 70	3.200	1177	97.4,97.4
80	0.9145	0.7615	0.6701	0.7964	0.9230	1.107	1.216	1.080	70- 80	1.614	1178	97.5,97.5
90	0.2623	0.2688	0.2761	0.2820	0.2375	0.3374	0.3462	0.2825	80- 90	0.5894	1179	97.5,97.5
100	0.2782	0.3007	0.3070	0.3154	0.2957	0.2664	0.2872	0.2753	90-100	0.2979	1179	97.6,97.6
110	0.3197	0.3636	0.3993	0.3932	0.3616	0.3193	0.3357	0.3201	100-110	0.3322	1179	97.6,97.6
120	0.9226	1.171	1.521	1.214	0.9500	0.7434	0.6150	0.7295	110-120	0.5411	1180	97.6,97.6
130	3.970	4.564	5.256	4.526	3.817	3.258	2.850	3.298	120-130	1.975	1182	97.8,97.8
140	9.398	10.18	11.05	10.08	9.115	8.356	7.731	8.441	130-140	4.950	1187	98.2,98.2
150	15.21	15.81	16.53	15.85	15.14	14.40	13.87	14.44	140-150	7.652	1195	98.8,98.8
160	17.28	17.53	17.63	17.96	17.77	17.86	17.75	17.66	150-160	7.766	1202	99.5,99.5
170	14.56	14.12	14.47	15.18	15.32	15.72	16.04	15.62	160-170	4.778	1207	99.9,99.9
180	13.85	14.13	14.08	14.56	13.88	14.11	14.05	14.56	170-180	1.385	1208	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 GO-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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1747	1411
80	1879	1366
75	2029	1527
70	2292	1766
65	2656	2066
60	3176	2455
55	3901	3011
50	4997	3800
45	6707	5045

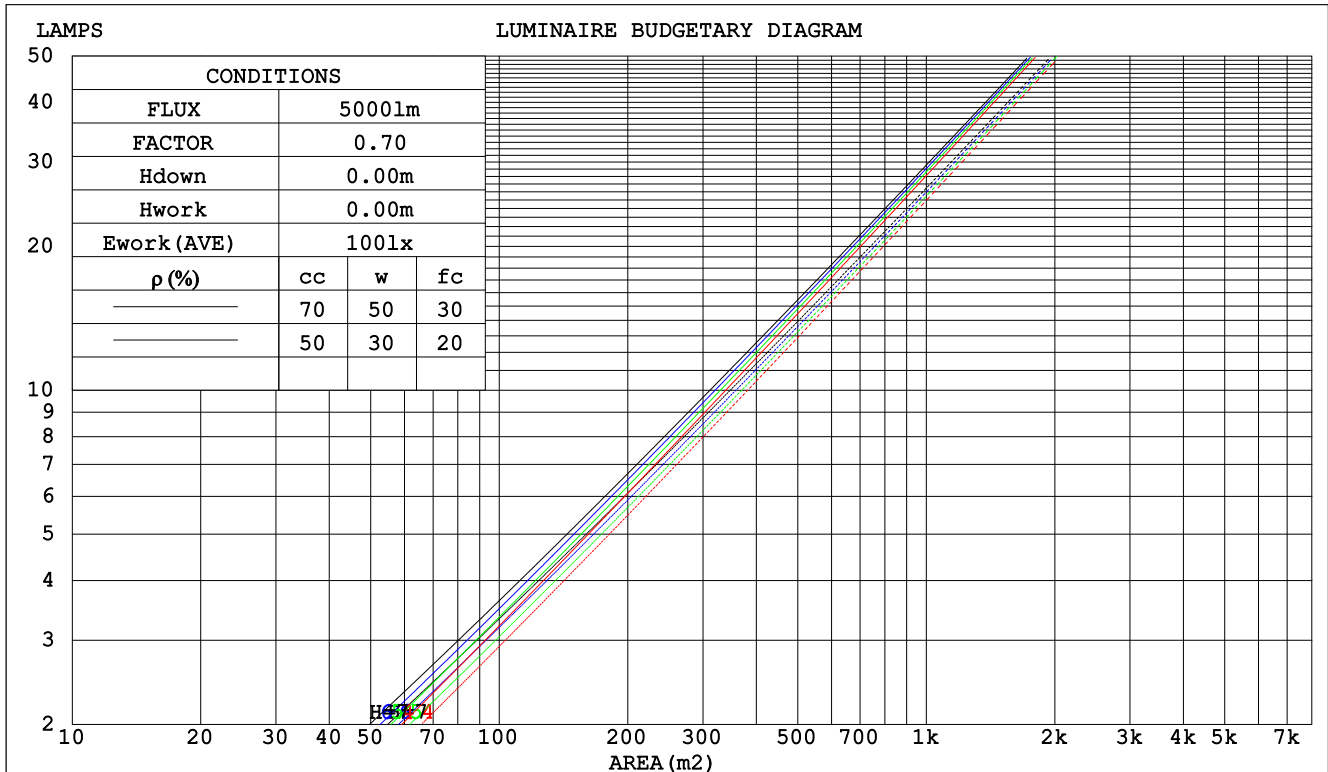
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE 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-VF64RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	1.09	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.96	.94
2.0	1.06	1.03	1.00	1.04	1.01	.99	1.01	.98	.96	.97	.96	.94	.94	.93	.92	.90
3.0	1.01	.97	.94	.00	.96	.93	.97	.94	.91	.94	.92	.90	.92	.90	.88	.87
4.0	.97	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.87	.85	.83
5.0	.93	.88	.85	.92	.87	.84	.90	.86	.83	.88	.85	.83	.86	.84	.82	.80
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.85	.82	.79	.84	.81	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.82	.79	.77	.81	.78	.76	.75
8.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.79	.76	.74	.73
9.0	.80	.75	.72	.79	.75	.72	.78	.75	.72	.77	.74	.72	.76	.73	.71	.70
10.0	.77	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.74	.71	.69	.68



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 GO-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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
p _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.147	.083	.026	.139	.080	.025	.126	.072	.023	.113	.065	.021	.101	.059	.019		
2.0	.136	.075	.023	.130	.072	.022	.119	.066	.020	.108	.061	.019	.098	.055	.017		
3.0	.127	.068	.020	.122	.065	.020	.112	.061	.019	.103	.057	.017	.095	.052	.016		
4.0	.120	.062	.018	.115	.060	.018	.107	.057	.017	.099	.053	.016	.092	.050	.015		
5.0	.113	.058	.017	.109	.056	.016	.102	.053	.016	.095	.050	.015	.089	.047	.014		
6.0	.107	.054	.015	.104	.052	.015	.097	.050	.014	.091	.047	.014	.086	.045	.013		
7.0	.102	.050	.014	.099	.049	.014	.093	.047	.014	.088	.045	.013	.083	.043	.013		
8.0	.097	.047	.013	.095	.047	.013	.090	.045	.013	.085	.043	.012	.080	.041	.012		
9.0	.093	.045	.013	.091	.044	.012	.086	.043	.012	.082	.041	.012	.078	.040	.011		
10.0	.089	.043	.012	.087	.042	.012	.083	.041	.011	.079	.039	.011	.076	.038	.011		

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{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	.166	.161	.151	.143	.110	.104	.099	.063	.060	.058	.020	.019	.019	
2.0	.171	.152	.136	.146	.131	.117	.100	.090	.082	.058	.053	.048	.019	.017	.016	
3.0	.156	.132	.114	.134	.114	.098	.092	.079	.069	.053	.046	.041	.017	.015	.013	
4.0	.144	.117	.097	.124	.101	.084	.085	.071	.059	.049	.041	.035	.016	.013	.012	
5.0	.134	.105	.084	.115	.091	.073	.079	.064	.052	.046	.037	.031	.015	.012	.010	
6.0	.125	.095	.074	.108	.083	.064	.074	.058	.045	.043	.034	.027	.014	.011	.009	
7.0	.118	.087	.066	.102	.076	.057	.070	.053	.041	.041	.031	.024	.013	.010	.008	
8.0	.112	.081	.059	.096	.070	.052	.067	.049	.037	.039	.029	.022	.013	.010	.007	
9.0	.106	.075	.054	.092	.065	.047	.063	.046	.034	.037	.027	.020	.012	.009	.007	
10.0	.102	.071	.050	.088	.061	.044	.061	.043	.031	.035	.025	.018	.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 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-VF64RF01-15W						TYPE:indoor lights			WEIGHT:1		
SPEC.:3000K-CRI90-38D						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						6.8	7.5	7.1	7.7	7.9	5.1 5.8 5.4 6.0 6.2
3H						7.2	7.8	7.4	8.0	8.3	5.5 6.2 5.8 6.4 6.6
4H						7.3	7.9	7.6	8.2	8.4	5.7 6.3 6.0 6.5 6.8
6H						7.4	8.0	7.7	8.3	8.6	5.8 6.4 6.1 6.6 6.9
8H						7.5	8.0	7.8	8.3	8.6	5.8 6.4 6.1 6.6 6.9
12H						7.5	8.0	7.8	8.3	8.6	5.8 6.4 6.2 6.7 7.0
4H 2H						6.8	7.4	7.1	7.7	7.9	5.3 5.9 5.6 6.2 6.4
3H						7.3	7.8	7.6	8.1	8.4	5.8 6.4 6.2 6.7 7.0
4H						7.5	8.0	7.9	8.3	8.7	6.1 6.5 6.4 6.9 7.2
6H						7.7	8.1	8.1	8.5	8.9	6.2 6.7 6.6 7.0 7.4
8H						7.8	8.2	8.2	8.6	9.0	6.3 6.7 6.7 7.1 7.5
12H						7.8	8.2	8.3	8.6	9.0	6.3 6.7 6.8 7.1 7.5
8H 4H						7.5	7.9	7.9	8.3	8.7	6.1 6.5 6.5 6.9 7.3
6H						7.7	8.1	8.2	8.5	9.0	6.4 6.7 6.8 7.1 7.6
8H						7.9	8.2	8.4	8.6	9.1	6.5 6.8 6.9 7.2 7.7
12H						8.0	8.2	8.5	8.7	9.2	6.6 6.8 7.1 7.3 7.8
12H 4H						7.4	7.8	7.9	8.2	8.7	6.1 6.5 6.5 6.9 7.3
6H						7.7	8.0	8.2	8.5	9.0	6.4 6.7 6.8 7.1 7.6
8H						7.9	8.1	8.4	8.6	9.1	6.5 6.7 7.0 7.2 7.7
Variations with the observer position at spacings:											
S = 1.0H						+ 1.0 / - 1.2			+ 0.9 / - 1.3		
1.5H						+ 1.7 / - 1.0			+ 1.3 / - 1.0		
2.0H						+ 1.8 / - 1.2			+ 1.5 / - 1.1		

CIE Pub.117, 1208 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 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 GO-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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

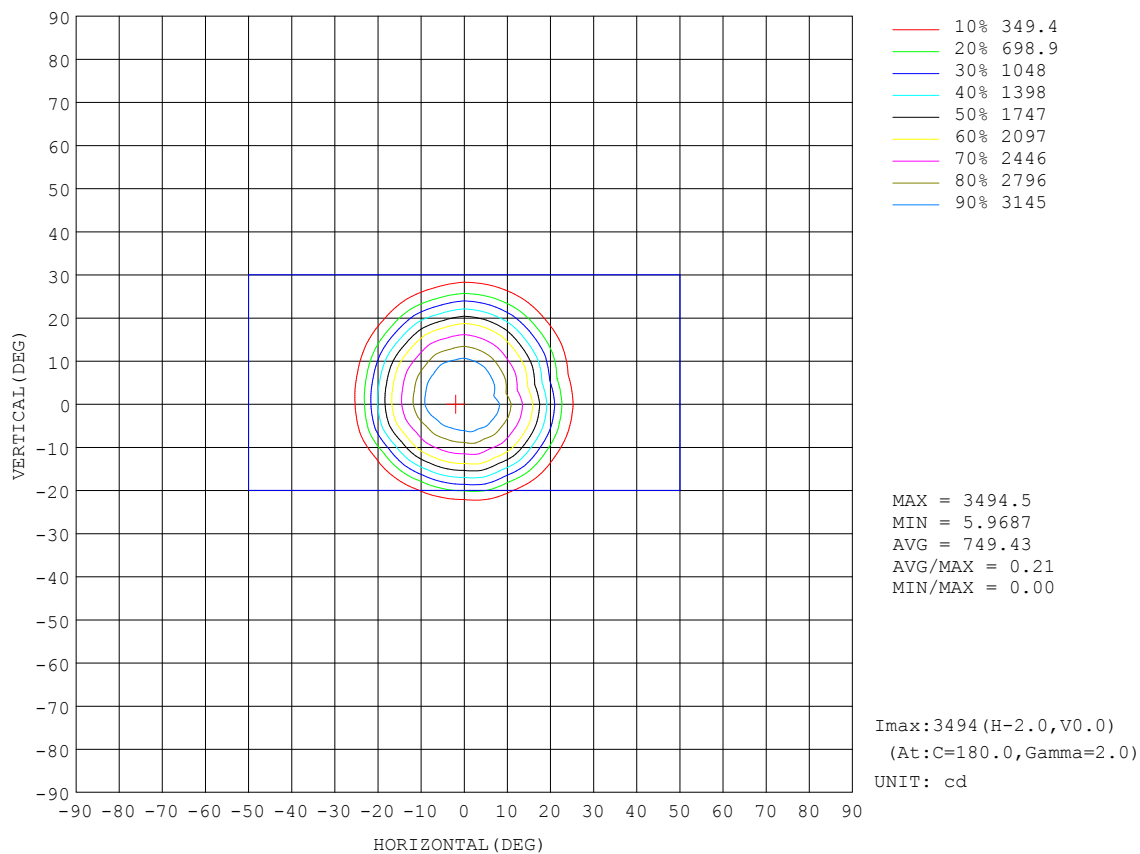
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k (RI) x RCR = 5									
k = 0.60	89	83	80	88	83	79	87	82	79	76
0.80	96	91	87	95	90	87	94	89	86	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	109	105	102	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:2021-08-10

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-VF64RF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

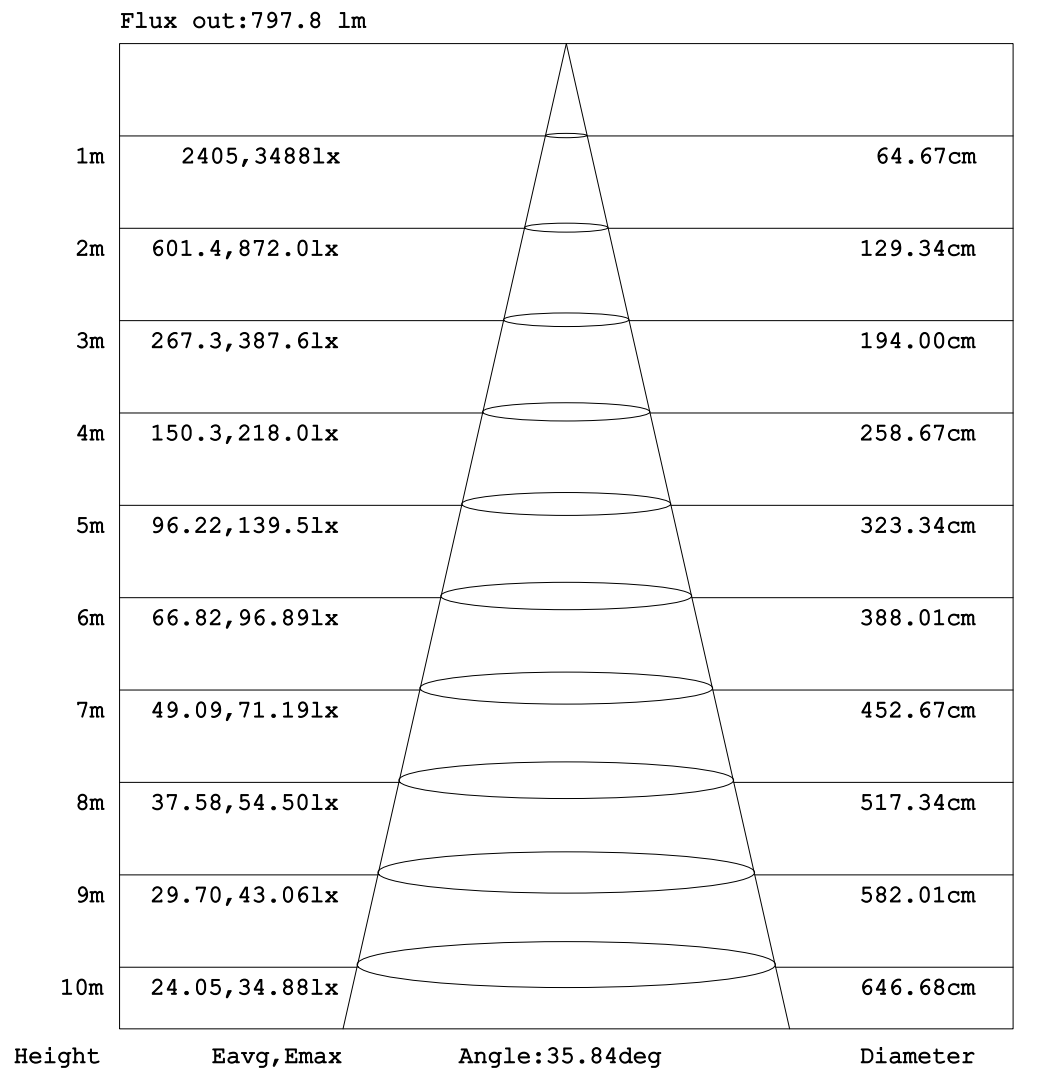


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



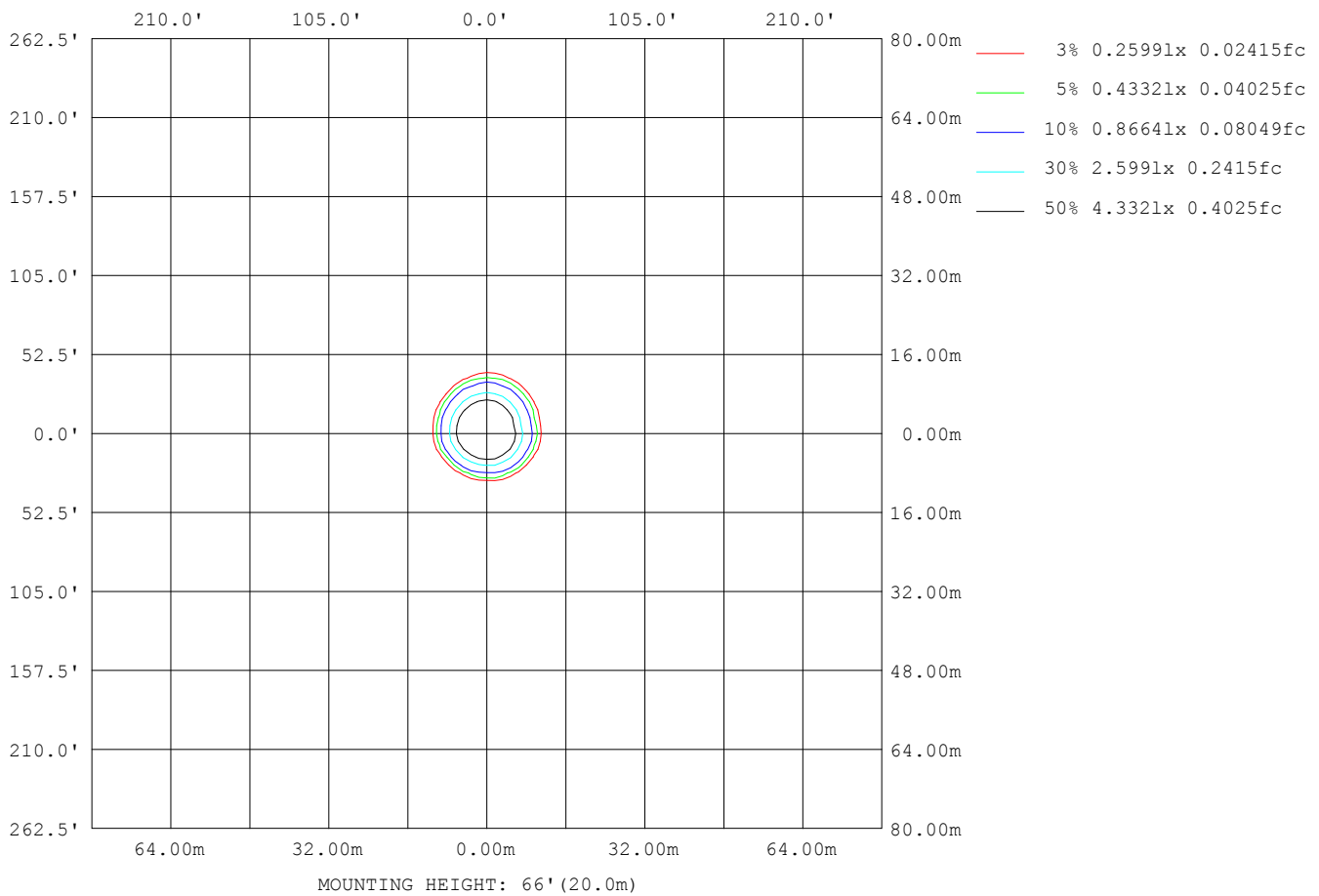
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 GO-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-CRI90-38D	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 GO-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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

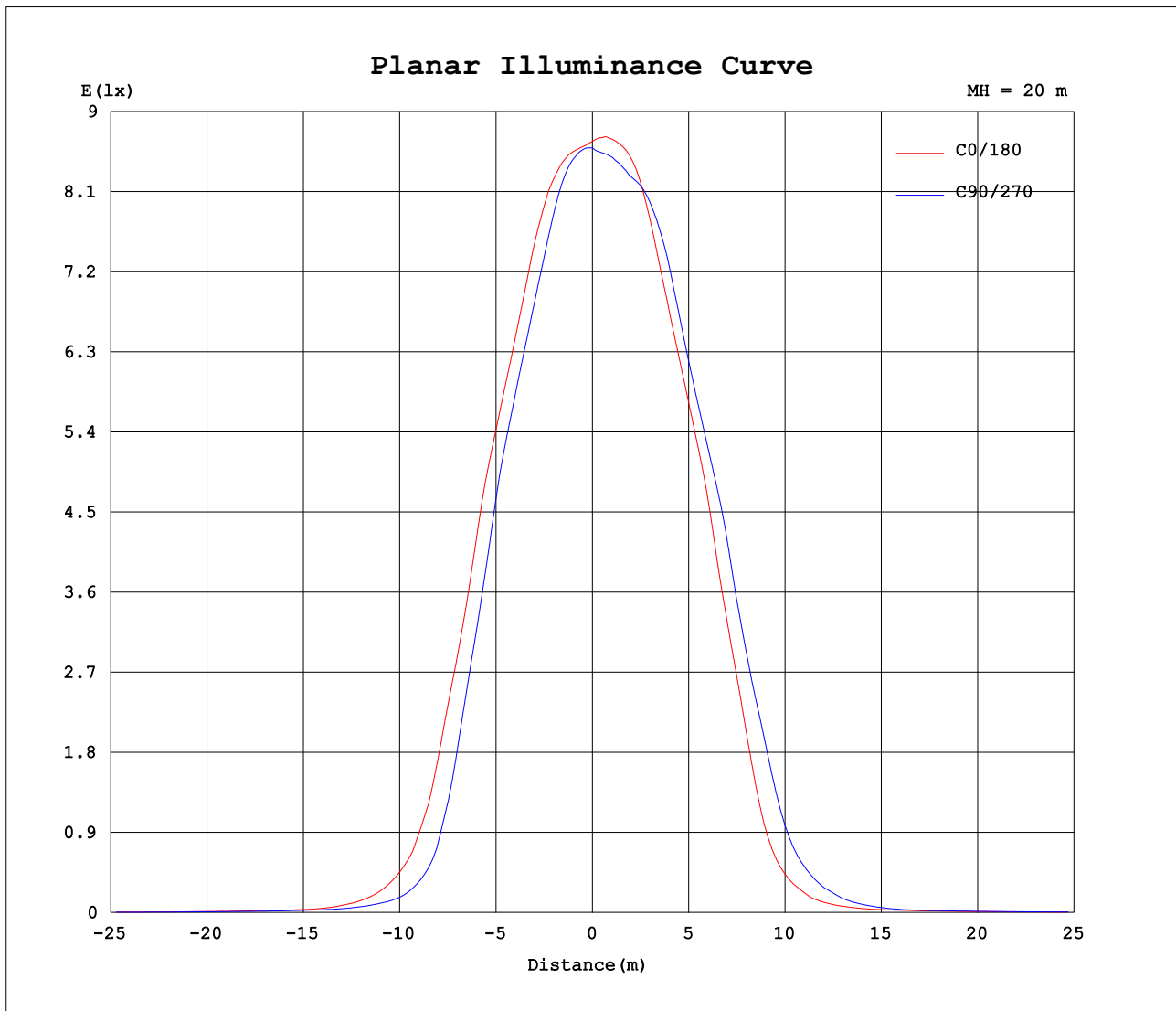
AvgL	cd/m2
L_0~180 (65) av	2645
L_0~180 (75) av	2053
L_0~180 (85) av	1936
L_90~270 (65) av	2679
L_90~270 (75) av	2059
L_90~270 (85) av	2138
L_45 (65) av	2669
L_45 (75) av	2057
L_45 (85) av	2097

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 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
Operators: LGL
Test Date: 2021-08-10

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-VF64RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	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	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437	3437
5	3353	3356	3344	3343	3303	3317	3266	3276	3290	3337	3355	3416	3437	3432	3427	3418	3407	3389	3372
10	2891	2863	2793	2775	2692	2716	2646	2669	2698	2782	2824	2962	3007	3033	3104	3138	3214	3194	3205
15	2226	2204	2122	2085	1930	1944	1824	1860	1919	2073	2145	2313	2361	2399	2473	2493	2574	2556	2591
20	1232	1184	1073	1018	840	840	714	735	799	979	1100	1351	1397	1449	1577	1618	1751	1740	1835
25	367	330	269	238	185	178	147	159	162	205	241	351	379	449	534	610	731	747	832
30	108	95.3	78.6	69.2	58.5	56.4	49.8	49.3	51.1	58.7	66.6	84.5	92.1	106	140	148	188	201	230
35	34.7	33.3	29.9	28.1	25.9	25.5	23.8	24.0	24.5	26.4	28.1	33.2	33.2	35.9	41.5	45.2	54.4	60.1	67.6
40	20.3	19.7	18.6	17.9	16.7	16.4	15.3	15.5	15.9	17.0	17.9	19.7	19.5	20.1	21.2	21.9	23.2	23.3	24.7
45	13.3	12.9	12.1	11.7	10.9	10.7	10.1	10.2	10.5	11.1	11.7	12.7	12.7	13.2	14.0	14.6	15.5	15.6	16.5
50	9.00	8.71	8.23	7.91	7.41	7.30	6.90	7.02	7.18	7.63	7.99	8.64	8.64	8.97	9.51	9.85	10.5	10.6	11.1
55	6.27	6.07	5.73	5.52	5.19	5.12	4.88	4.95	5.09	5.39	5.64	6.08	6.10	6.31	6.68	6.89	7.31	7.36	7.74
60	4.45	4.29	4.07	3.92	3.68	3.65	3.47	3.55	3.63	3.88	4.06	4.37	4.38	4.54	4.77	4.95	5.20	5.25	5.49
65	3.15	3.04	2.88	2.78	2.61	2.60	2.47	2.53	2.60	2.79	2.91	3.16	3.17	3.26	3.45	3.54	3.74	3.75	3.93
70	2.20	2.12	1.99	1.93	1.80	1.79	1.71	1.75	1.82	1.95	2.06	2.24	2.26	2.33	2.46	2.52	2.65	2.65	2.78
75	1.47	1.41	1.32	1.27	1.18	1.17	1.12	1.15	1.21	1.30	1.40	1.52	1.53	1.59	1.68	1.73	1.82	1.82	1.90
80	0.91	0.86	0.81	0.76	0.71	0.70	0.67	0.69	0.74	0.80	0.87	0.96	0.92	0.88	1.07	1.11	1.16	1.17	1.22
85	0.43	0.45	0.42	0.38	0.36	0.35	0.35	0.36	0.40	0.43	0.48	0.53	0.53	0.47	0.61	0.64	0.67	0.69	0.71
90	0.26	0.27	0.26	0.27	0.26	0.28	0.28	0.28	0.28	0.28	0.27	0.28	0.24	0.23	0.32	0.34	0.34	0.35	0.35
95	0.27	0.28	0.27	0.29	0.27	0.30	0.28	0.30	0.28	0.30	0.28	0.29	0.27	0.24	0.25	0.24	0.25	0.24	0.26
100	0.28	0.30	0.28	0.30	0.30	0.31	0.31	0.32	0.31	0.32	0.31	0.31	0.30	0.27	0.28	0.27	0.28	0.27	0.29
105	0.30	0.31	0.31	0.32	0.31	0.33	0.32	0.34	0.32	0.33	0.32	0.32	0.32	0.30	0.31	0.29	0.30	0.30	0.31
110	0.32	0.35	0.34	0.36	0.37	0.39	0.40	0.41	0.39	0.39	0.36	0.36	0.36	0.34	0.34	0.32	0.33	0.32	0.34
115	0.44	0.47	0.50	0.55	0.60	0.63	0.69	0.67	0.64	0.59	0.54	0.48	0.49	0.45	0.44	0.41	0.40	0.38	0.38
120	0.92	0.98	1.11	1.17	1.36	1.35	1.52	1.46	1.39	1.21	1.11	0.92	0.95	0.89	0.80	0.74	0.67	0.64	0.61
125	2.08	2.20	2.41	2.53	2.82	2.83	3.04	2.95	2.82	2.54	2.34	2.00	2.05	1.94	1.76	1.67	1.48	1.46	1.37
130	3.97	4.12	4.42	4.56	4.97	4.95	5.26	5.10	4.93	4.53	4.27	3.75	3.82	3.66	3.41	3.26	3.02	2.97	2.85
135	6.48	6.66	7.03	7.19	7.67	7.66	8.00	7.82	7.61	7.13	6.81	6.16	6.24	6.05	5.73	5.55	5.23	5.19	5.01
140	9.40	9.60	9.99	10.2	10.7	10.7	11.0	10.9	10.6	10.1	9.74	9.03	9.12	8.89	8.54	8.36	7.98	7.94	7.73
145	12.5	12.7	13.0	13.2	13.7	13.8	14.1	13.9	13.7	13.1	12.8	12.1	12.2	12.0	11.6	11.4	11.0	11.0	10.8
150	15.2	15.4	15.6	15.8	16.2	16.3	16.5	16.5	16.2	15.9	15.6	15.0	15.1	14.9	14.6	14.4	14.1	14.1	13.9
155	17.0	17.0	17.2	17.4	17.6	17.7	17.8	17.9	17.8	17.6	17.4	17.1	17.2	17.1	16.9	16.7	16.6	16.5	16.4
160	17.3	17.2	17.2	17.5	17.5	17.6	17.6	17.8	17.9	18.0	17.7	17.7	17.8	17.8	17.8	17.9	17.9	17.8	17.7
165	16.3	16.2	16.0	16.1	16.1	16.5	16.4	16.7	16.7	16.8	16.9	17.1	17.0	17.1	17.3	17.4	17.5	17.6	17.6
170	14.6	14.4	14.2	14.1	14.2	14.4	14.5	14.8	14.9	15.2	15.5	15.8	15.3	15.5	15.7	15.7	15.9	16.0	16.0
175	13.5	13.4	13.4	13.6	13.6	13.6	13.5	13.8	14.1	14.5	14.7	14.7	14.1	14.2	14.5	14.6	14.6	14.5	14.5
180	13.9	13.9	13.9	14.1	14.0	13.9	14.1	14.2	14.3	14.6	14.5	14.4	13.9	13.8	13.9	14.1	14.0	13.9	14.1

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 GO-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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	3437	3437	3437	3437	3437													
5	3366	3367	3367	3347	3306													
10	3178	3130	3036	2953	2810													
15	2550	2488	2379	2302	2151													
20	1784	1683	1490	1377	1161													
25	795	717	588	483	349													
30	226	207	170	149	105													
35	67.5	63.8	54.7	45.7	33.1													
40	25.1	24.6	22.9	21.4	19.7													
45	16.7	16.4	15.3	14.3	13.0													
50	11.3	11.1	10.4	9.70	8.85													
55	7.86	7.73	7.23	6.78	6.21													
60	5.57	5.47	5.14	4.81	4.41													
65	3.97	3.91	3.64	3.43	3.11													
70	2.79	2.74	2.56	2.40	2.16													
75	1.90	1.86	1.72	1.60	1.44													
80	1.22	1.17	1.08	0.99	0.88													
85	0.71	0.66	0.61	0.54	0.47													
90	0.35	0.32	0.28	0.27	0.25													
95	0.24	0.26	0.25	0.27	0.25													
100	0.27	0.29	0.28	0.29	0.28													
105	0.30	0.31	0.31	0.32	0.31													
110	0.32	0.33	0.32	0.34	0.34													
115	0.36	0.39	0.39	0.43	0.46													
120	0.61	0.64	0.73	0.81	0.99													
125	1.39	1.46	1.67	1.83	2.15													
130	2.86	3.01	3.30	3.55	4.03													
135	5.05	5.24	5.62	5.92	6.54													
140	7.78	7.99	8.44	8.77	9.46													
145	10.8	11.0	11.5	11.8	12.5													
150	13.9	14.1	14.4	14.7	15.3													
155	16.4	16.5	16.7	16.8	17.1													
160	17.7	17.7	17.7	17.5	17.5													
165	17.6	17.4	17.1	16.9	16.7													
170	16.0	15.9	15.6	15.4	15.2													
175	14.7	14.8	14.7	14.4	14.3													
180	14.2	14.3	14.6	14.5	14.4													

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