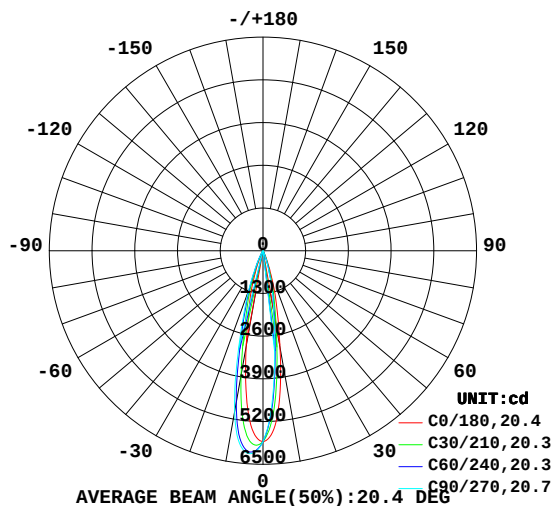


LUMINAIRE PHOTOMETRIC TEST REPORT

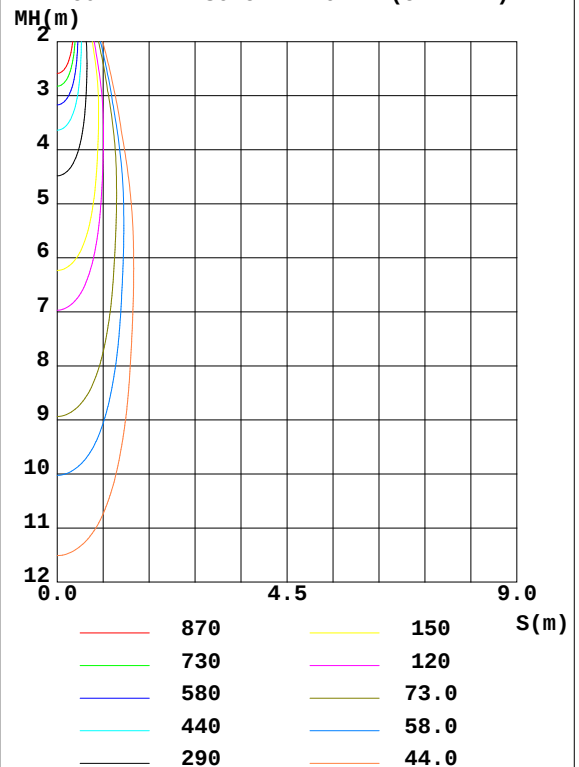
NAME: VM060-VF64RF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 80.28 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	6187	S/MH(C0/180)	0.35
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.46
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1081.5	η UP, DN(C0-180)	1.3, 35.7
NOMINAL FLUX(lm)	1081.46	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1, 61.8
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



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-11

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:

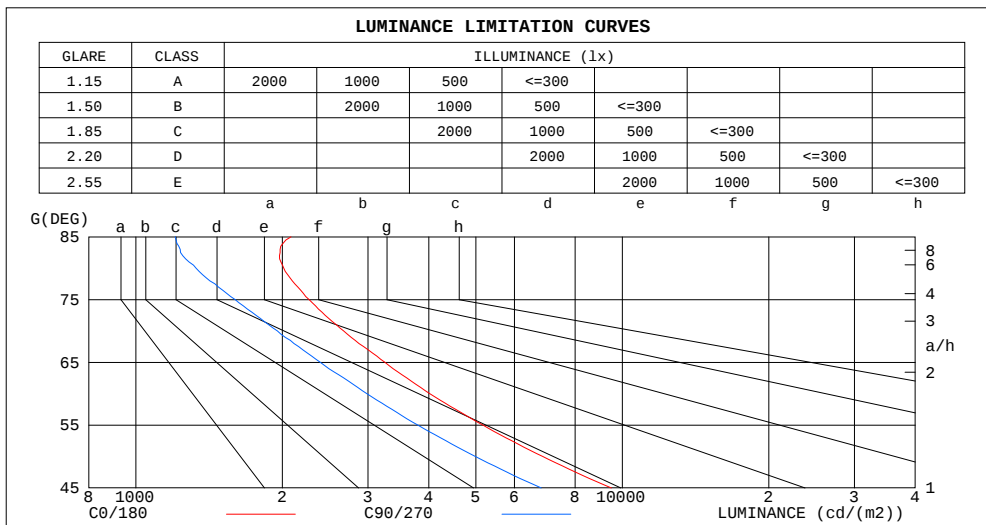
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3000	2146	1906	2271	2960	4233	4973	4129	0- 10	419.3	419.3	38.8, 38.8
20	570.3	361.8	299.6	438.7	648.1	1035	1271	923.5	10- 20	454.3	873.5	80.8, 80.8
30	75.55	57.79	52.71	59.27	73.56	106.7	141.4	100.9	20- 30	121.5	995.0	92, 92
40	29.74	23.34	21.07	23.83	29.75	36.22	40.09	35.07	30- 40	30.70	1026	94.8, 94.8
50	12.40	9.909	9.070	10.15	12.33	14.92	16.46	14.55	40- 50	15.10	1041	96.2, 96.2
60	5.658	4.562	4.225	4.734	5.721	6.827	7.501	6.639	50- 60	7.677	1048	97, 97
70	2.574	2.055	1.891	2.177	2.650	3.187	3.520	3.078	60- 70	3.960	1052	97.3, 97.3
80	0.9845	0.7154	0.6536	0.7676	0.9644	1.282	1.468	1.232	70- 80	1.827	1054	97.5, 97.5
90	0.2331	0.2460	0.2457	0.2613	0.2289	0.2992	0.3932	0.3039	80- 90	0.6015	1055	97.5, 97.5
100	0.2662	0.3054	0.3032	0.3234	0.3191	0.2612	0.2877	0.2701	90-100	0.2855	1055	97.6, 97.6
110	0.3475	0.3977	0.4113	0.4054	0.4093	0.3421	0.3651	0.3477	100-110	0.3507	1055	97.6, 97.6
120	0.6788	0.9039	1.047	0.8601	0.6958	0.5224	0.5115	0.5664	110-120	0.4868	1056	97.6, 97.6
130	2.646	3.640	4.277	3.519	2.671	1.863	1.665	2.090	120-130	1.346	1057	97.8, 97.8
140	8.308	10.10	10.93	9.844	8.442	6.672	6.133	7.098	130-140	4.082	1061	98.1, 98.1
150	14.61	15.49	15.94	15.32	14.68	13.36	12.95	13.65	140-150	7.260	1069	98.8, 98.8
160	16.49	16.09	16.18	16.42	16.91	16.67	16.68	16.54	150-160	7.333	1076	99.5, 99.5
170	12.70	10.99	11.02	12.07	13.50	14.39	14.86	13.86	160-170	4.351	1080	99.9, 99.9
180	9.842	10.10	10.18	10.52	9.897	10.09	10.20	10.52	170-180	1.101	1081	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:2021-08-11

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-VF64RF01-15W	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	2084	1205
80	2015	1330
75	2271	1600
70	2674	1953
65	3251	2394
60	4021	2985
55	5168	3799
50	6855	4985
45	9489	6808

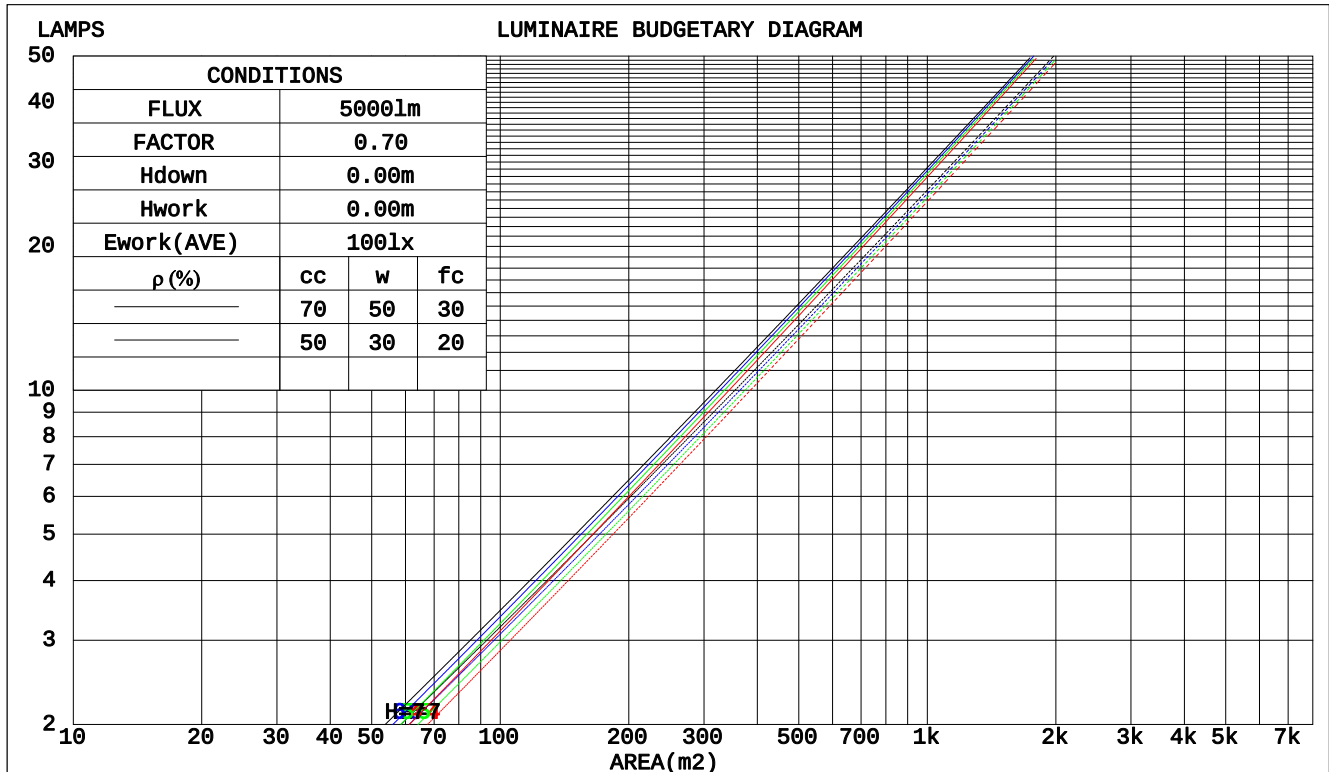
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

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: V060-VF64RF01-15W	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			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	1.09	1.10	1.08	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.07	1.04	1.01	1.05	1.02	1.00	1.01	.99	.97	.98	.97	.95	.95	.94	.93	.91
3.0	1.02	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.90	.88
4.0	.98	.94	.91	.97	.93	.91	.95	.92	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.95	.91	.88	.94	.90	.87	.92	.89	.86	.90	.87	.85	.89	.86	.84	.83
6.0	.92	.88	.85	.91	.87	.84	.89	.86	.83	.88	.85	.83	.86	.84	.82	.81
7.0	.89	.85	.82	.88	.84	.82	.87	.83	.81	.86	.83	.80	.84	.82	.80	.79
8.0	.86	.82	.79	.86	.82	.79	.85	.81	.79	.83	.80	.78	.82	.80	.78	.77
9.0	.84	.80	.77	.83	.80	.77	.82	.79	.77	.81	.78	.76	.81	.78	.76	.75
10.0	.82	.78	.75	.81	.78	.75	.80	.77	.75	.80	.77	.74	.79	.76	.74	.73



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

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-CRI90-15D	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 Coefficients(WEC)										
0.0																	
1.0	.139	.079	.025	.132	.075	.024	.118	.068	.022	.105	.061	.019	.093	.054	.017		
2.0	.128	.070	.022	.122	.067	.021	.111	.062	.019	.100	.056	.018	.090	.051	.016		
3.0	.119	.063	.019	.114	.061	.018	.104	.056	.017	.095	.052	.016	.087	.048	.015		
4.0	.111	.058	.017	.107	.056	.017	.099	.052	.016	.091	.049	.015	.084	.045	.014		
5.0	.104	.053	.015	.101	.052	.015	.093	.049	.014	.087	.046	.014	.080	.043	.013		
6.0	.098	.049	.014	.095	.048	.014	.089	.046	.013	.083	.043	.013	.078	.041	.012		
7.0	.093	.046	.013	.090	.045	.013	.085	.043	.012	.080	.041	.012	.075	.039	.011		
8.0	.088	.043	.012	.086	.042	.012	.081	.040	.012	.076	.039	.011	.072	.037	.011		
9.0	.084	.041	.011	.082	.040	.011	.078	.038	.011	.074	.037	.011	.070	.035	.010		
10.0	.081	.039	.011	.079	.038	.011	.075	.037	.010	.071	.035	.010	.067	.034	.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	.187	.177	.167	.160	.152	.144	.110	.104	.099	.063	.060	.058	.020	.019	.019	
2.0	.169	.152	.137	.145	.131	.118	.099	.090	.082	.057	.053	.048	.018	.017	.016	
3.0	.155	.132	.115	.132	.114	.099	.091	.079	.070	.053	.046	.041	.017	.015	.013	
4.0	.142	.117	.098	.122	.101	.085	.084	.071	.060	.048	.041	.035	.016	.013	.012	
5.0	.132	.105	.085	.113	.091	.074	.078	.063	.052	.045	.037	.031	.015	.012	.010	
6.0	.123	.095	.075	.105	.082	.065	.073	.058	.046	.042	.034	.027	.014	.011	.009	
7.0	.115	.087	.067	.099	.075	.058	.068	.053	.041	.040	.031	.025	.013	.010	.008	
8.0	.108	.080	.061	.093	.069	.053	.064	.049	.037	.038	.029	.022	.012	.009	.007	
9.0	.103	.074	.055	.088	.064	.048	.061	.045	.034	.036	.027	.020	.012	.009	.007	
10.0	.098	.070	.051	.084	.060	.044	.058	.042	.032	.034	.025	.019	.011	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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-CRI90-15D						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		8.9	9.5	9.1	9.7	9.9	7.5	8.1	7.7	8.3	8.5
3H		9.2	9.8	9.5	10.0	10.3	7.8	8.4	8.1	8.6	8.8
4H		9.3	9.9	9.6	10.1	10.4	7.9	8.4	8.2	8.7	8.9
6H		9.4	9.9	9.7	10.2	10.5	7.9	8.4	8.2	8.7	9.0
8H		9.4	9.9	9.8	10.2	10.5	7.9	8.4	8.2	8.7	9.0
12H		9.4	9.9	9.8	10.2	10.5	7.9	8.4	8.2	8.7	9.0
4H	2H	8.9	9.5	9.2	9.7	10.0	7.6	8.2	7.9	8.4	8.7
	3H	9.3	9.8	9.6	10.1	10.4	8.0	8.5	8.3	8.8	9.1
	4H	9.5	9.9	9.8	10.3	10.6	8.1	8.6	8.5	8.9	9.3
	6H	9.6	10.0	10.0	10.4	10.8	8.2	8.6	8.6	9.0	9.4
	8H	9.6	10.0	10.1	10.4	10.8	8.2	8.6	8.6	9.0	9.4
	12H	9.7	10.0	10.1	10.4	10.9	8.2	8.6	8.7	9.0	9.4
8H	4H	9.4	9.8	9.8	10.2	10.6	8.1	8.5	8.5	8.9	9.3
	6H	9.6	9.9	10.0	10.3	10.8	8.2	8.6	8.7	9.0	9.5
	8H	9.7	9.9	10.1	10.4	10.9	8.3	8.6	8.8	9.0	9.5
	12H	9.7	10.0	10.2	10.4	11.0	8.3	8.5	8.8	9.0	9.5
12H	4H	9.4	9.7	9.8	10.1	10.5	8.1	8.4	8.5	8.8	9.3
	6H	9.5	9.8	10.0	10.3	10.8	8.2	8.5	8.7	9.0	9.4
	8H	9.6	9.9	10.1	10.3	10.9	8.3	8.5	8.8	9.0	9.5
Variations with the observer position at spacings:											
S = 1.0H		+ 1.5 / - 1.6					+ 1.1 / - 1.7				
1.5H		+ 2.5 / - 1.5					+ 1.8 / - 1.2				
2.0H		+ 2.6 / - 1.7					+ 2.0 / - 1.5				

CIE Pub.117, 1081 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.3$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

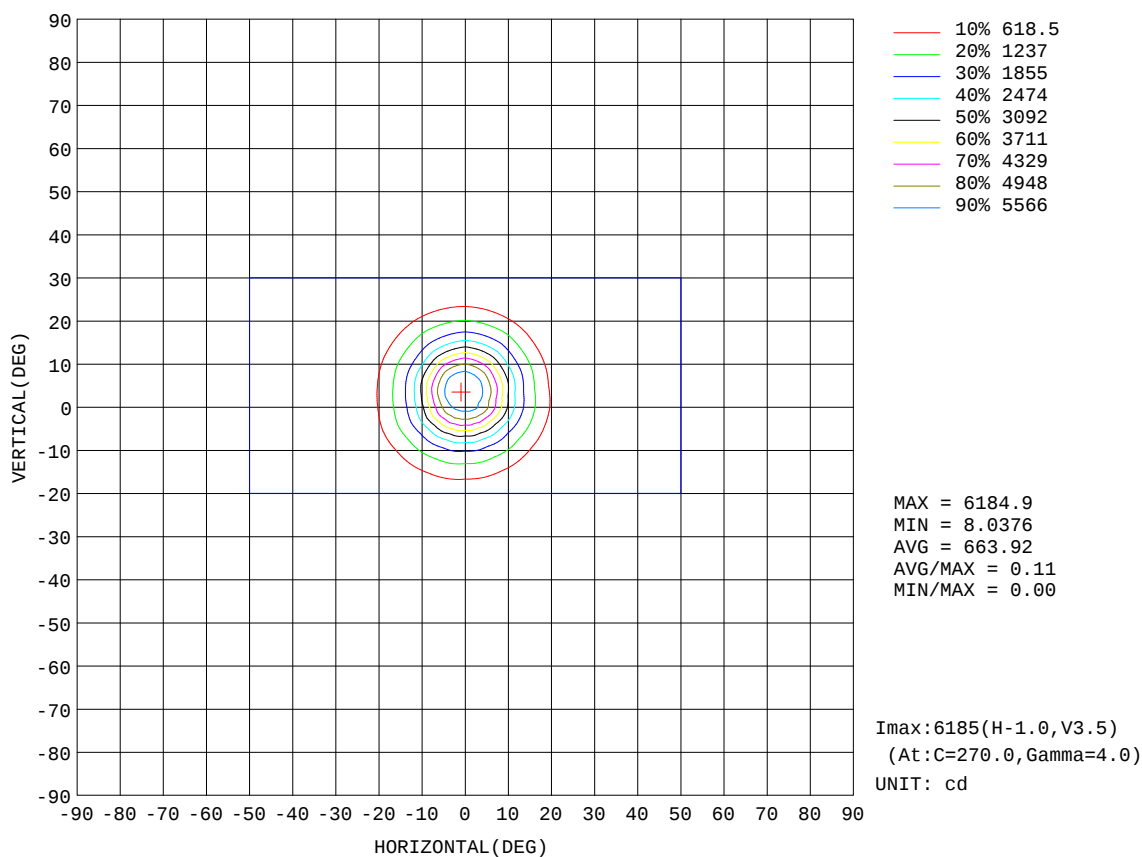
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	79	88	82	79	87	82	78	75
0.80	96	90	86	95	90	86	93	89	86	82
1.00	100	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	95	100	96	94	89
1.50	106	101	98	104	100	98	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: 2021-08-11

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

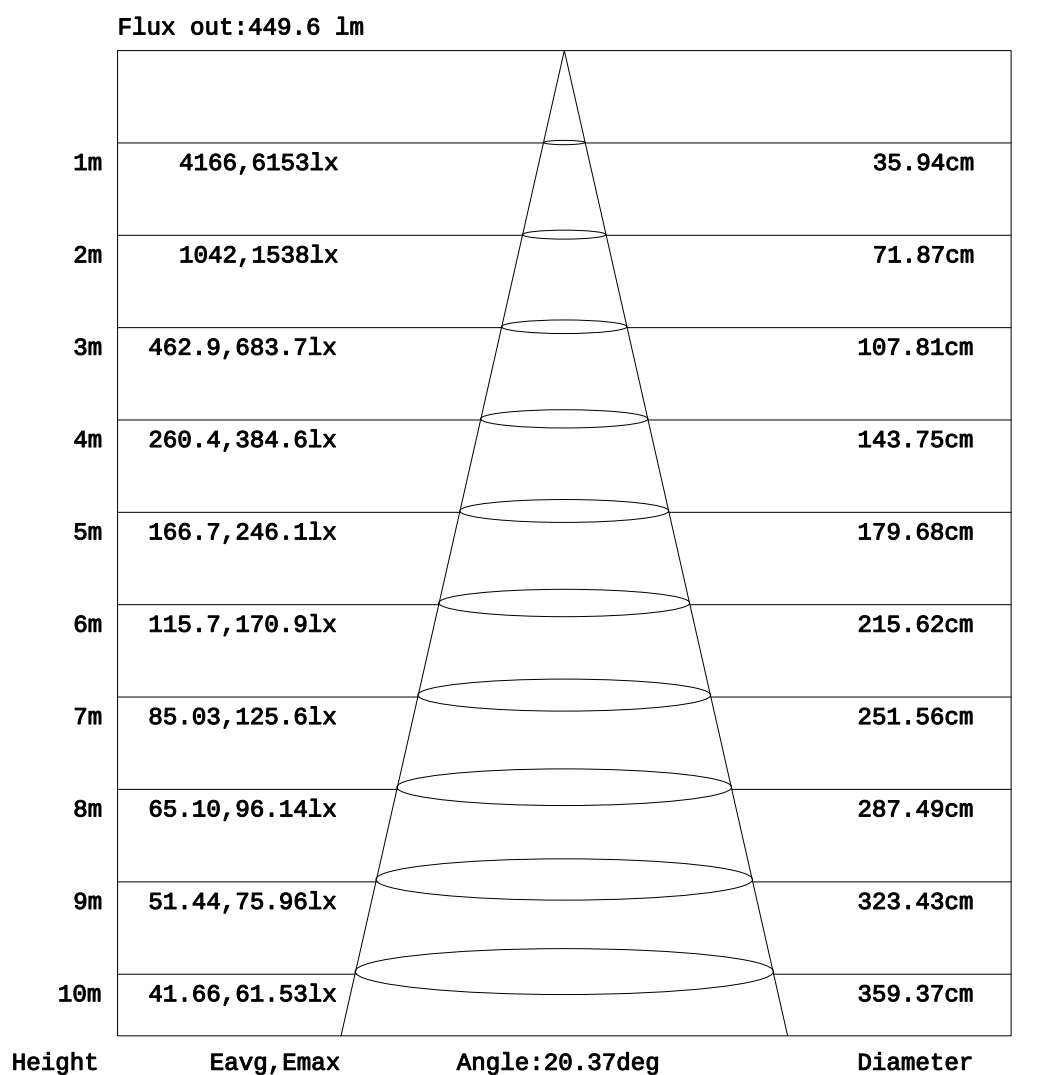


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-11

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



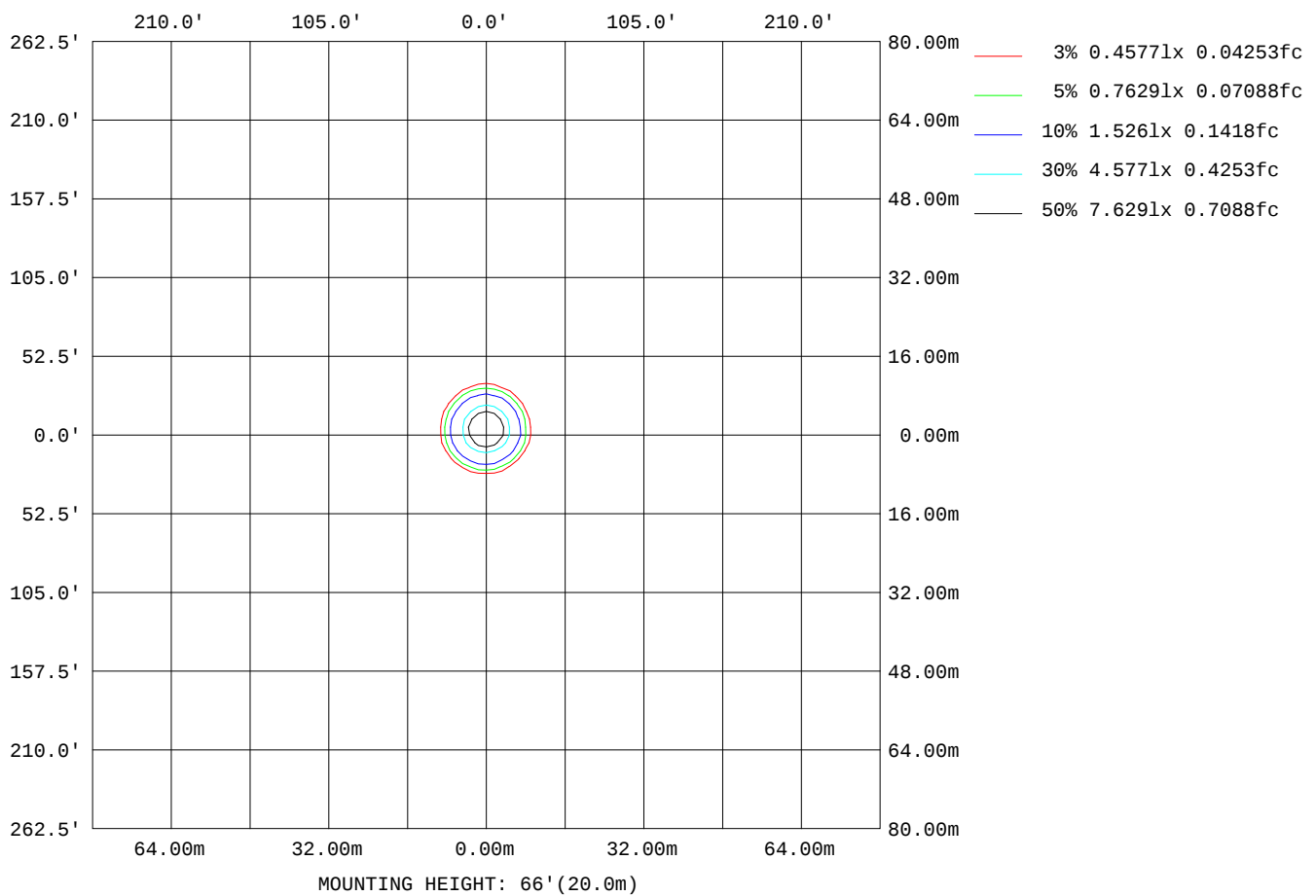
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-11

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

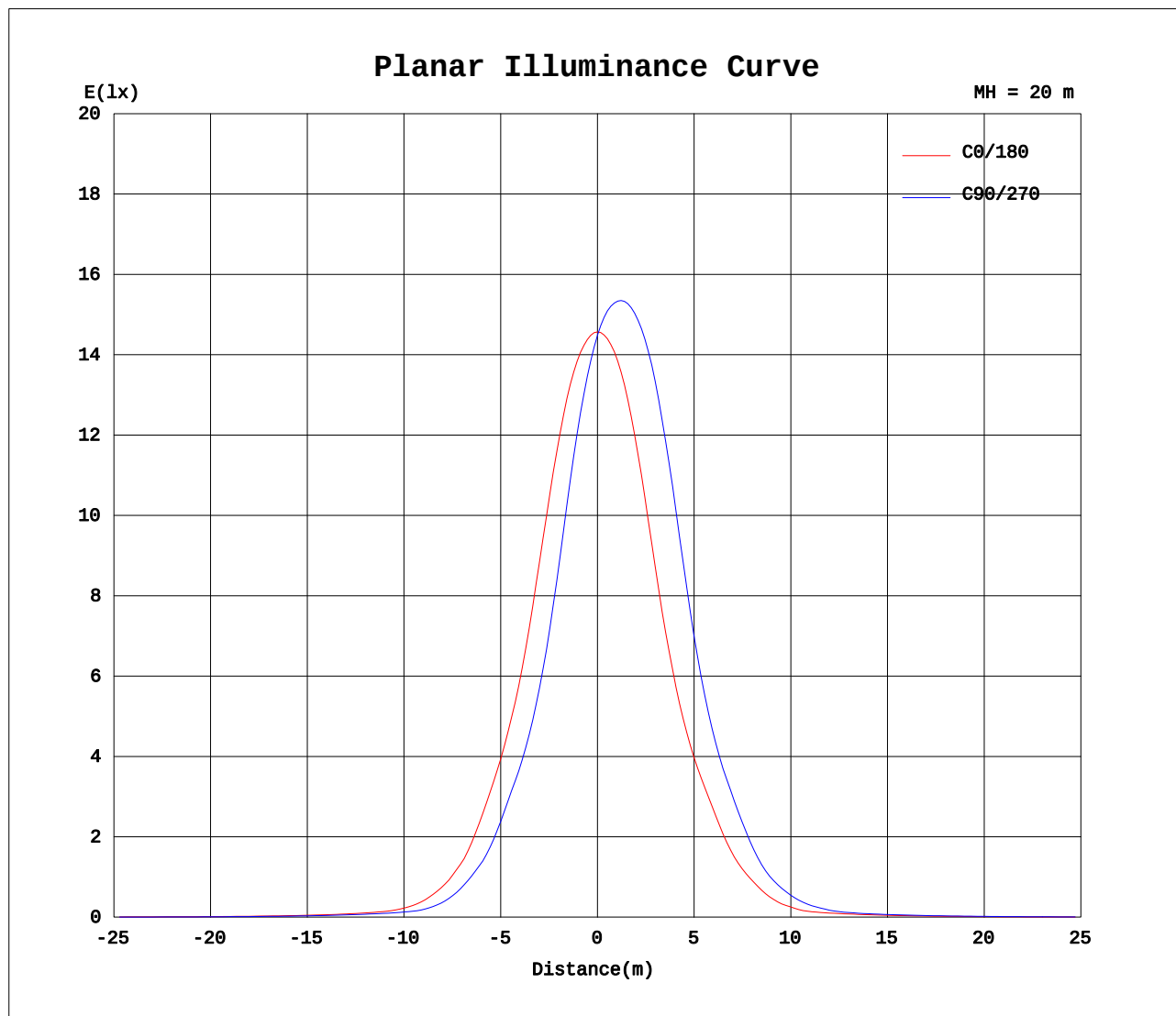
AvgL	cd/m2
L_0~180(65)av	3259
L_0~180(75)av	2283
L_0~180(85)av	1951
L_90~270(65)av	3358
L_90~270(75)av	2403
L_90~270(85)av	2285
L_45(65)av	3272
L_45(75)av	2311
L_45(85)av	2072

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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: 2021-08-11

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-CRI90-15D	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	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804	5804
5	5038	4781	4428	4243	4005	3971	3902	4029	4105	4365	4555	4901	5021	5293	5645	5850	6071	6110	6150
10	3000	2671	2311	2146	1973	1949	1906	1993	2060	2271	2454	2814	2960	3313	3860	4233	4708	4834	4973
15	1498	1319	1116	1020	906	892	867	935	992	1146	1266	1465	1538	1694	1962	2143	2428	2522	2670
20	570	481	402	362	316	308	300	332	361	439	507	607	648	747	924	1035	1193	1216	1271
25	179	153	119	106	92.4	90.2	87.4	94.1	100	125	142	187	205	250	320	367	426	429	436
30	75.6	68.5	62.1	57.8	54.2	53.3	52.7	54.1	55.6	59.3	63.3	69.8	73.6	80.0	93.7	107	129	130	141
35	46.6	43.1	39.3	36.9	34.8	34.2	33.9	34.8	35.7	38.0	40.2	44.1	46.4	49.4	54.0	56.8	61.0	62.3	64.4
40	29.7	27.6	25.0	23.3	21.9	21.4	21.1	21.6	22.3	23.8	25.4	28.2	29.8	31.8	34.7	36.2	38.5	39.0	40.1
45	18.9	17.5	16.0	15.0	14.1	13.7	13.6	13.9	14.4	15.3	16.2	17.8	18.7	20.1	22.0	23.0	24.5	24.8	25.6
50	12.4	11.6	10.6	9.91	9.34	9.17	9.07	9.30	9.56	10.2	10.7	11.7	12.3	13.1	14.3	14.9	15.8	16.0	16.5
55	8.34	7.78	7.13	6.72	6.33	6.23	6.17	6.33	6.50	6.91	7.31	7.94	8.34	8.85	9.60	10.00	10.6	10.7	11.0
60	5.66	5.29	4.85	4.56	4.32	4.24	4.23	4.32	4.47	4.73	5.02	5.45	5.72	6.06	6.57	6.83	7.25	7.30	7.50
65	3.87	3.61	3.29	3.11	2.92	2.90	2.86	2.96	3.04	3.26	3.44	3.76	3.92	4.16	4.51	4.70	4.98	5.01	5.16
70	2.57	2.41	2.18	2.05	1.93	1.90	1.89	1.96	2.02	2.18	2.29	2.54	2.65	2.80	3.07	3.19	3.40	3.43	3.52
75	1.65	1.53	1.37	1.28	1.20	1.17	1.17	1.22	1.27	1.37	1.32	1.57	1.69	1.80	2.00	2.10	2.25	2.26	2.34
80	0.98	0.89	0.79	0.72	0.67	0.65	0.65	0.67	0.72	0.77	0.69	0.83	0.96	1.06	1.19	1.28	1.40	1.42	1.47
85	0.51	0.44	0.38	0.33	0.31	0.29	0.30	0.30	0.33	0.35	0.35	0.40	0.45	0.52	0.61	0.69	0.77	0.80	0.83
90	0.23	0.23	0.24	0.25	0.24	0.25	0.25	0.26	0.24	0.26	0.25	0.26	0.23	0.22	0.23	0.30	0.35	0.39	0.39
95	0.24	0.26	0.25	0.27	0.26	0.28	0.27	0.29	0.28	0.29	0.27	0.29	0.27	0.23	0.24	0.22	0.24	0.22	0.24
100	0.27	0.29	0.28	0.31	0.30	0.32	0.30	0.32	0.31	0.32	0.31	0.32	0.32	0.32	0.27	0.28	0.26	0.27	0.25
105	0.31	0.33	0.32	0.34	0.34	0.35	0.35	0.36	0.34	0.36	0.34	0.35	0.37	0.32	0.33	0.30	0.32	0.30	0.33
110	0.35	0.38	0.37	0.40	0.39	0.42	0.41	0.42	0.39	0.41	0.38	0.39	0.41	0.36	0.37	0.34	0.36	0.34	0.37
115	0.43	0.47	0.48	0.53	0.54	0.57	0.57	0.56	0.54	0.52	0.48	0.47	0.48	0.42	0.43	0.39	0.40	0.38	0.41
120	0.68	0.75	0.84	0.90	1.00	1.01	1.05	0.99	0.95	0.86	0.78	0.70	0.70	0.61	0.57	0.52	0.52	0.49	0.51
125	1.33	1.47	1.71	1.84	2.04	2.09	2.15	2.05	1.97	1.75	1.60	1.35	1.31	1.15	1.00	0.92	0.86	0.84	0.84
130	2.65	2.94	3.38	3.64	4.04	4.11	4.28	4.05	3.94	3.52	3.23	2.78	2.67	2.33	2.04	1.86	1.70	1.69	1.66
135	5.03	5.50	6.17	6.58	7.11	7.22	7.42	7.14	6.94	6.38	5.95	5.29	5.13	4.59	4.03	3.73	3.43	3.38	3.35
140	8.31	8.90	9.65	10.1	10.6	10.8	10.9	10.6	10.4	9.84	9.36	8.63	8.44	7.79	7.11	6.67	6.29	6.17	6.13
145	11.8	12.3	13.0	13.3	13.8	13.8	14.0	13.7	13.6	13.1	12.7	12.0	11.9	11.3	10.6	10.2	9.78	9.62	9.60
150	14.6	15.0	15.3	15.5	15.8	15.8	15.9	15.7	15.7	15.3	15.1	14.7	14.7	14.2	13.7	13.4	13.1	12.9	13.0
155	16.2	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.6	16.5	16.5	16.3	16.4	16.1	15.8	15.6	15.4	15.3	15.4
160	16.5	16.3	16.1	16.1	16.1	16.0	16.2	16.2	16.3	16.4	16.5	16.6	16.9	16.8	16.8	16.7	16.7	16.6	16.7
165	15.3	14.9	14.3	14.0	14.0	14.1	14.3	14.5	14.5	14.7	15.1	15.5	15.9	16.1	16.3	16.4	16.6	16.5	16.7
170	12.7	12.1	11.5	11.0	10.8	10.8	11.0	11.3	11.6	12.1	12.7	13.3	13.5	13.9	14.4	14.4	14.7	14.7	14.9
175	10.3	9.90	9.49	9.38	9.33	9.09	9.21	9.48	9.95	10.5	10.9	11.3	10.9	11.2	11.8	12.0	12.2	12.1	12.2
180	9.84	9.80	9.86	10.1	9.99	9.93	10.2	10.2	10.3	10.5	10.5	10.5	9.90	9.79	9.88	10.1	10.0	9.92	10.2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	5804	5804	5804	5804	5804														
5	6031	5933	5700	5503	5182														
10	4776	4595	4129	3754	3225														
15	2538	2442	2143	1929	1616														
20	1183	1124	924	782	617														
25	396	375	307	258	197														
30	127	123	101	89.8	78.5														
35	62.6	61.1	55.7	52.4	47.4														
40	38.9	38.0	35.1	33.1	30.2														
45	24.8	24.2	22.4	21.0	19.2														
50	16.0	15.7	14.5	13.7	12.6														
55	10.7	10.5	9.74	9.23	8.48														
60	7.30	7.16	6.64	6.29	5.76														
65	5.01	4.91	4.56	4.29	3.93														
70	3.41	3.35	3.08	2.91	2.62														
75	2.25	2.21	2.01	1.88	1.69														
80	1.41	1.36	1.23	1.13	1.00														
85	0.79	0.75	0.67	0.60	0.53														
90	0.38	0.34	0.30	0.25	0.23														
95	0.23	0.24	0.23	0.26	0.24														
100	0.26	0.28	0.27	0.30	0.29														
105	0.30	0.33	0.31	0.34	0.33														
110	0.34	0.37	0.35	0.38	0.37														
115	0.39	0.41	0.40	0.44	0.44														
120	0.51	0.54	0.57	0.63	0.69														
125	0.88	0.93	1.04	1.15	1.33														
130	1.77	1.87	2.09	2.31	2.65														
135	3.51	3.70	4.09	4.44	5.04														
140	6.34	6.59	7.10	7.57	8.27														
145	9.78	10.1	10.5	11.0	11.7														
150	13.1	13.3	13.7	14.0	14.5														
155	15.4	15.6	15.7	15.9	16.1														
160	16.6	16.7	16.5	16.5	16.5														
165	16.4	16.3	15.9	15.7	15.4														
170	14.5	14.4	13.9	13.6	13.2														
175	12.1	12.1	11.8	11.4	11.1														
180	10.2	10.3	10.5	10.5	10.5														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-11

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: