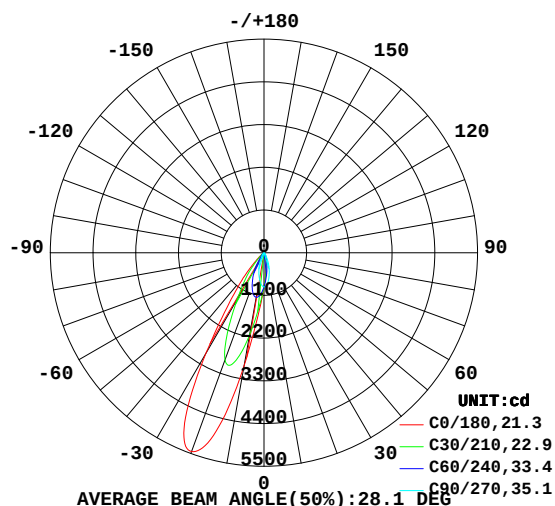


LUMINAIRE PHOTOMETRIC TEST REPORT

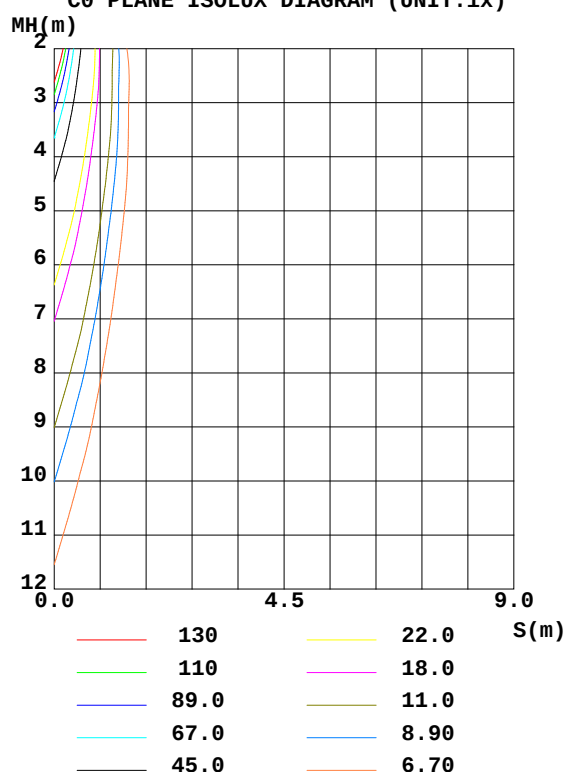
NAME: VM060-VF65RF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.93 lm/W			
MODEL	BXRE-30G1000-C-7X	I _{max} (cd)	5449	S/MH(C0/180)	1.28
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1242.3	η UP, DN(C0-180)	1.3, 40.8
NOMINAL FLUX(lm)	1242.28	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1, 56.8
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: 2021-08-11

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:

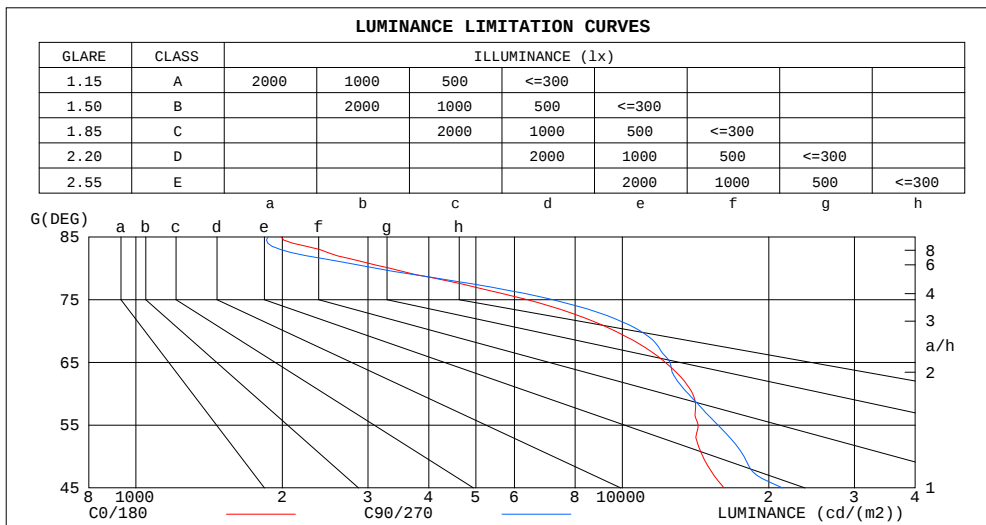
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	303.3	377.9	698.4	1619	2947	1566	684.6	370.4	0- 10	92.60	92.60	7.45, 7.45
20	125.4	160.0	368.9	1548	5447	1463	364.5	147.6	10- 20	347.6	440.2	35.4, 35.4
30	65.93	75.70	143.4	809.2	2991	765.0	130.2	73.19	20- 30	429.0	869.2	70, 70
40	38.24	41.30	64.86	246.5	781.9	203.7	56.96	38.72	30- 40	221.7	1091	87.8, 87.8
50	26.25	27.67	32.23	64.46	119.4	56.09	29.05	26.17	40- 50	74.70	1166	93.8, 93.8
60	19.46	19.54	19.25	22.68	23.84	20.76	17.02	18.12	50- 60	26.74	1192	96, 96
70	9.214	10.11	10.50	9.572	8.156	8.066	8.876	8.973	60- 70	14.33	1207	97.1, 97.1
80	1.611	1.715	1.523	1.529	1.056	1.112	1.235	1.427	70- 80	5.114	1212	97.5, 97.5
90	0.3730	0.3632	0.3349	0.3039	0.2596	0.2611	0.3107	0.3581	80- 90	0.6148	1212	97.6, 97.6
100	0.8319	0.5624	0.4251	0.4308	0.3731	0.3695	0.4364	0.5799	90-100	0.4266	1213	97.6, 97.6
110	2.979	1.506	0.6342	0.5850	0.5433	0.5446	0.6636	1.622	100-110	0.8058	1214	97.7, 97.7
120	8.489	4.472	1.268	0.8072	0.7853	0.7909	1.299	4.629	110-120	1.855	1216	97.8, 97.8
130	14.47	10.17	2.991	1.300	1.159	1.311	2.976	10.50	120-130	3.721	1219	98.1, 98.1
140	17.10	14.87	7.044	2.613	2.026	2.650	6.865	15.55	130-140	5.472	1225	98.6, 98.6
150	15.12	16.50	12.50	6.053	4.452	5.965	12.32	17.33	140-150	6.228	1231	99.1, 99.1
160	10.32	15.57	15.88	12.03	9.976	11.62	15.92	16.33	150-160	5.707	1237	99.5, 99.5
170	12.26	14.73	16.84	16.34	15.52	15.85	16.95	15.49	160-170	4.077	1241	99.9, 99.9
180	17.04	16.92	17.05	17.48	17.09	16.88	17.07	17.46	170-180	1.549	1242	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-VF65RF01-15W	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	1988	1870
80	3326	3111
75	6365	7183
70	9656	10889
65	12251	12521
60	13952	13661
55	14324	15727
50	14638	17786
45	16179	21348

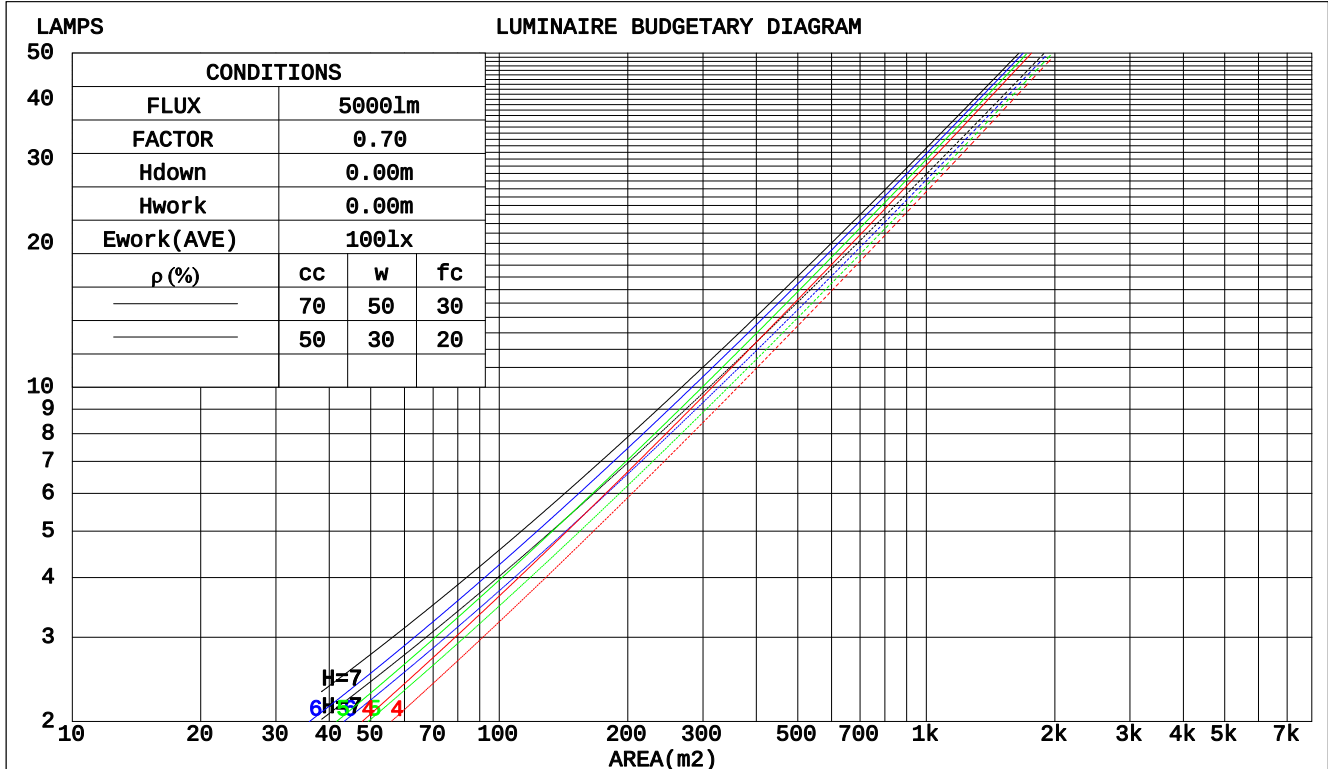
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-11

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: VM060-VF65RF01-15W	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	1.10	1.07	1.05	1.07	1.05	1.03	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	1.02	.97	.94	.90	.96	.93	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.87	.84	.81	.84	.82	.79	.78
4.0	.88	.82	.78	.87	.81	.77	.84	.79	.76	.82	.78	.75	.80	.76	.74	.72
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.73	.69	.75	.71	.68	.67
6.0	.77	.70	.66	.76	.70	.66	.74	.69	.65	.72	.68	.64	.71	.67	.64	.62
7.0	.72	.66	.61	.71	.65	.61	.70	.64	.61	.68	.64	.60	.67	.63	.60	.58
8.0	.68	.61	.57	.67	.61	.57	.66	.60	.57	.64	.60	.56	.63	.59	.56	.54
9.0	.64	.57	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.55	.52	.51
10.0	.60	.54	.50	.59	.54	.50	.58	.53	.50	.58	.53	.49	.57	.52	.49	.48



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
 γ 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-VF65RF01-15W	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	.187	.106	.034	.179	.102	.032	.165	.095	.030	.152	.088	.028	.141	.081	.026		
2.0	.179	.098	.030	.173	.095	.029	.161	.089	.028	.150	.084	.026	.139	.079	.025		
3.0	.170	.091	.027	.165	.088	.027	.154	.084	.025	.145	.079	.024	.136	.075	.023		
4.0	.162	.084	.025	.157	.082	.024	.148	.079	.023	.140	.075	.023	.132	.072	.022		
5.0	.154	.078	.023	.150	.077	.022	.142	.074	.022	.134	.071	.021	.128	.068	.020		
6.0	.147	.074	.021	.143	.072	.021	.136	.070	.020	.129	.067	.020	.123	.065	.019		
7.0	.140	.069	.020	.137	.068	.019	.130	.066	.019	.124	.064	.019	.119	.062	.018		
8.0	.134	.065	.018	.131	.064	.018	.125	.063	.018	.120	.061	.018	.115	.059	.017		
9.0	.128	.062	.017	.125	.061	.017	.120	.059	.017	.115	.058	.017	.111	.056	.016		
10.0	.123	.059	.016	.120	.058	.016	.116	.057	.016	.111	.055	.016	.107	.054	.015		

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	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.190	.176	.163	.163	.151	.140	.111	.104	.097	.064	.060	.056	.021	.019	.018	
2.0	.176	.151	.130	.151	.130	.113	.103	.090	.079	.059	.052	.046	.019	.017	.015	
3.0	.164	.132	.107	.141	.114	.093	.096	.079	.065	.056	.046	.038	.018	.015	.013	
4.0	.154	.118	.090	.132	.102	.078	.091	.071	.055	.053	.042	.033	.017	.014	.011	
5.0	.146	.106	.077	.125	.092	.067	.086	.064	.048	.050	.038	.028	.016	.012	.009	
6.0	.138	.097	.068	.119	.084	.059	.082	.059	.042	.048	.035	.025	.015	.011	.008	
7.0	.132	.090	.060	.114	.078	.052	.079	.055	.037	.046	.032	.022	.015	.011	.007	
8.0	.127	.084	.054	.109	.073	.047	.075	.051	.034	.044	.030	.020	.014	.010	.007	
9.0	.122	.079	.050	.105	.068	.043	.073	.048	.031	.042	.028	.018	.014	.009	.006	
10.0	.117	.074	.046	.101	.065	.040	.070	.045	.028	.041	.027	.017	.013	.009	.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-VF65RF01-15W						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						13.9	14.8	14.1	15.0	15.2	14.4
3H						14.9	15.8	15.2	16.0	16.3	15.4
4H						15.1	15.9	15.4	16.2	16.5	15.7
6H						15.1	15.9	15.4	16.2	16.5	15.7
8H						15.1	15.8	15.4	16.1	16.4	15.6
12H						15.0	15.8	15.4	16.1	16.4	15.6
4H 2H						14.4	15.3	14.7	15.5	15.8	14.9
3H						15.5	16.3	15.9	16.6	16.9	16.0
4H						15.8	16.4	16.2	16.8	17.1	16.3
6H						15.8	16.4	16.2	16.8	17.2	16.3
8H						15.8	16.3	16.2	16.7	17.1	16.3
12H						15.8	16.3	16.2	16.7	17.1	16.2
8H 4H						15.8	16.4	16.3	16.8	17.2	16.3
6H						15.9	16.3	16.4	16.8	17.2	16.3
8H						15.9	16.3	16.4	16.7	17.2	16.3
12H						15.9	16.2	16.4	16.7	17.2	16.3
12H 4H						15.8	16.3	16.2	16.7	17.1	16.2
6H						15.9	16.2	16.3	16.7	17.2	16.3
8H						15.8	16.2	16.4	16.7	17.2	16.3
Variations with the observer position at spacings:											
S = 1.0H						+ 0.3 / - 0.5			+ 0.8 / - 0.6		
1.5H						+ 0.1 / - 0.3			+ 1.3 / - 0.4		
2.0H						+ 0.3 / - 0.6			+ 0.9 / - 0.6		

CIE Pub.117, 1242 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.8$)

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-VF65RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

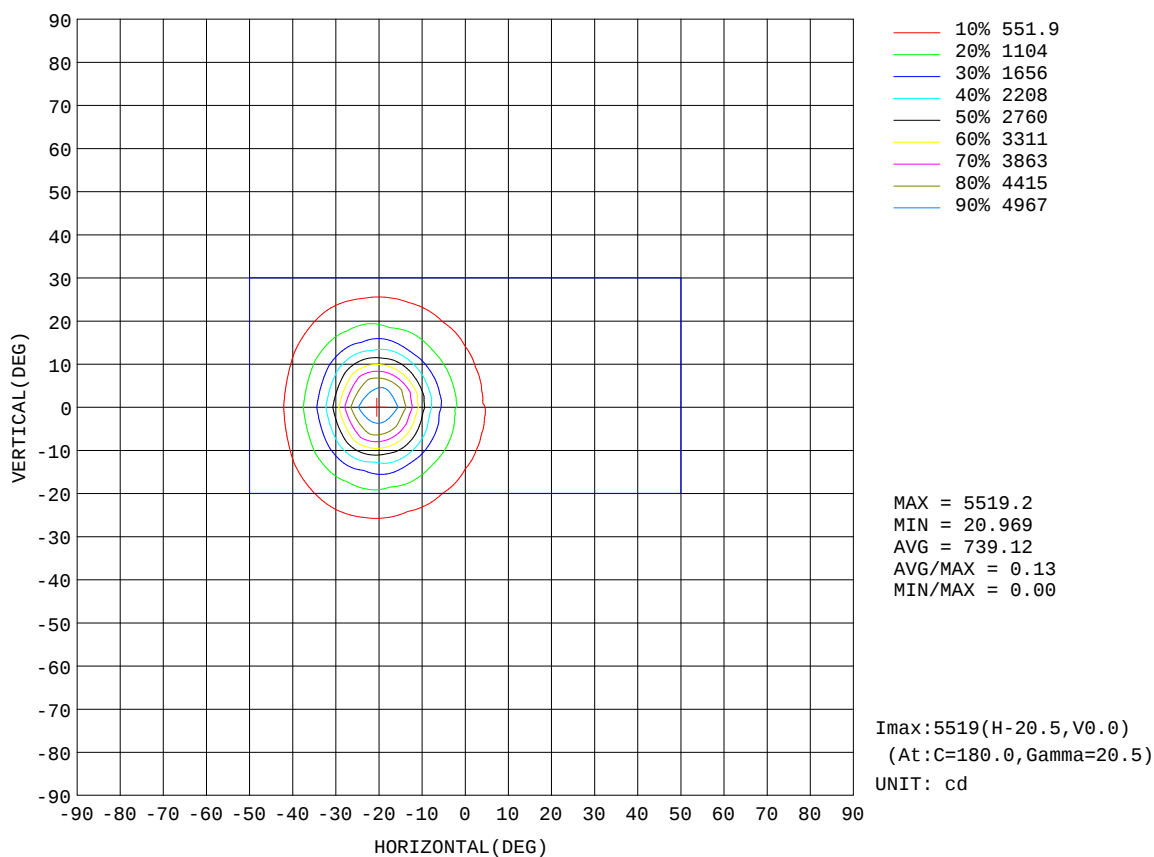
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	77	73	83	77	73	82	76	73	69
0.80	92	85	81	91	85	81	89	84	81	76
1.00	97	91	87	96	90	86	94	90	86	81
1.25	101	95	91	100	95	91	97	93	90	85
1.50	104	99	95	102	98	94	100	96	93	88
2.00	107	102	99	105	101	98	102	99	96	90
2.50	109	105	101	107	103	100	103	100	98	91
3.00	110	107	104	108	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	111	109	112	109	108	107	106	104	96
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-VF65RF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

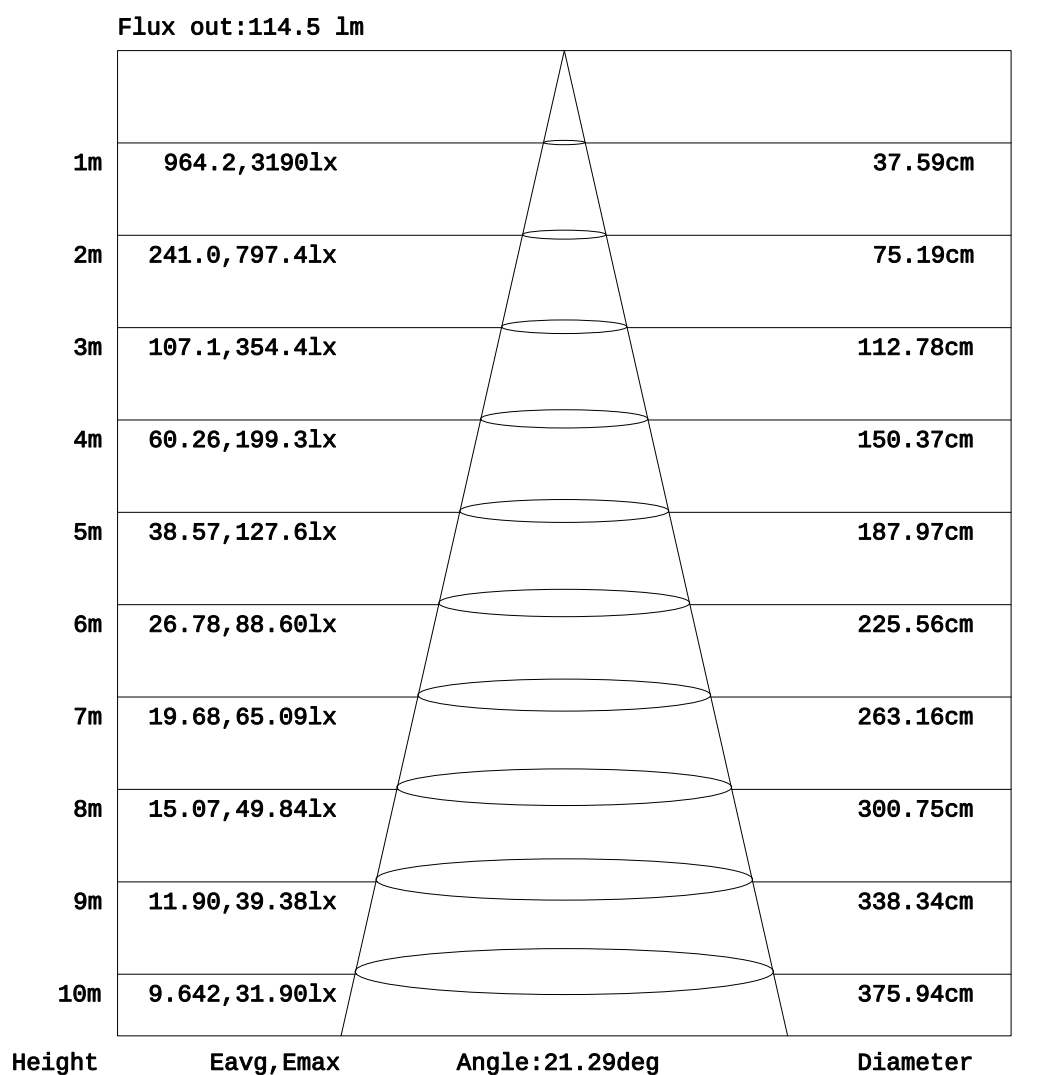


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-11

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-VF65RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



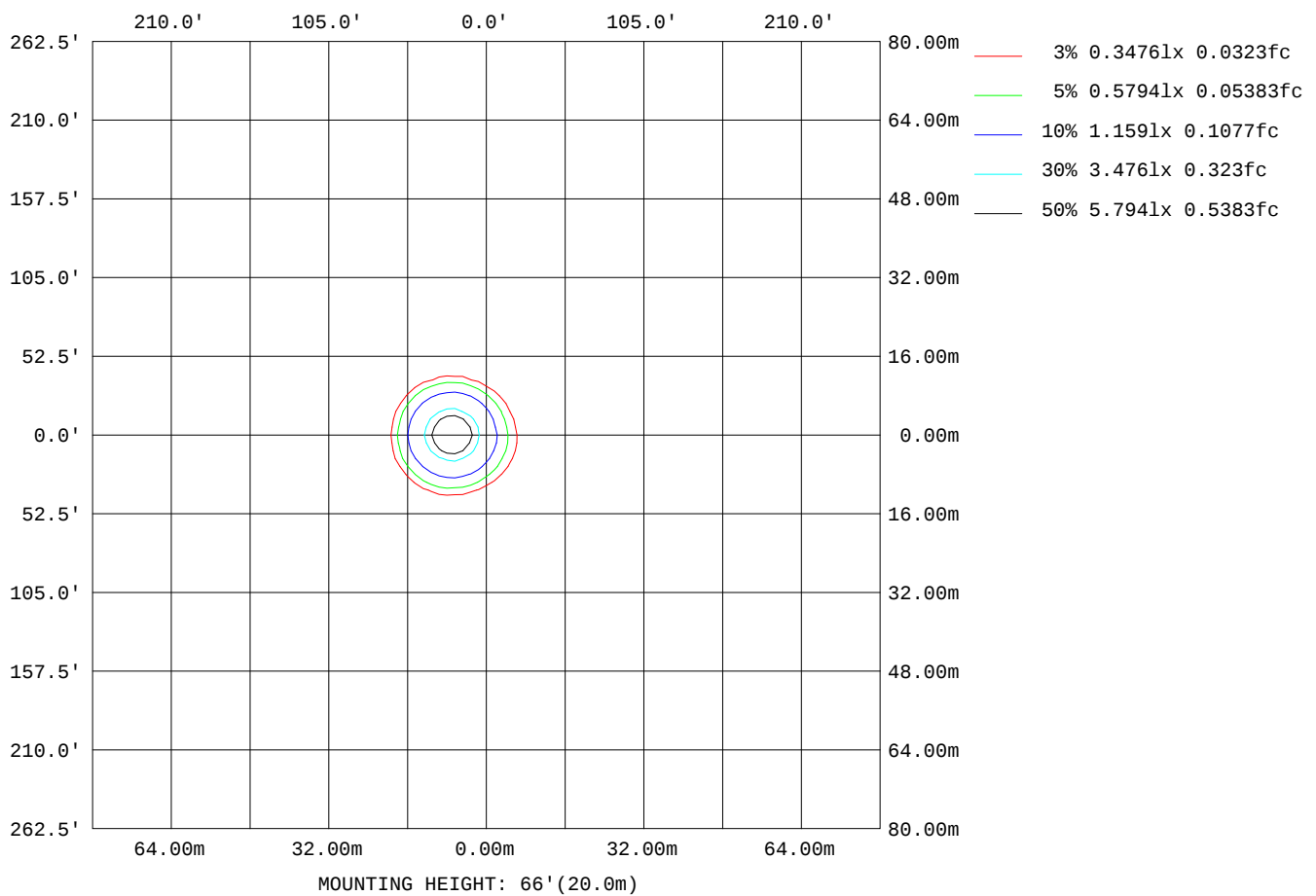
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF65RF01-15W	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-VF65RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

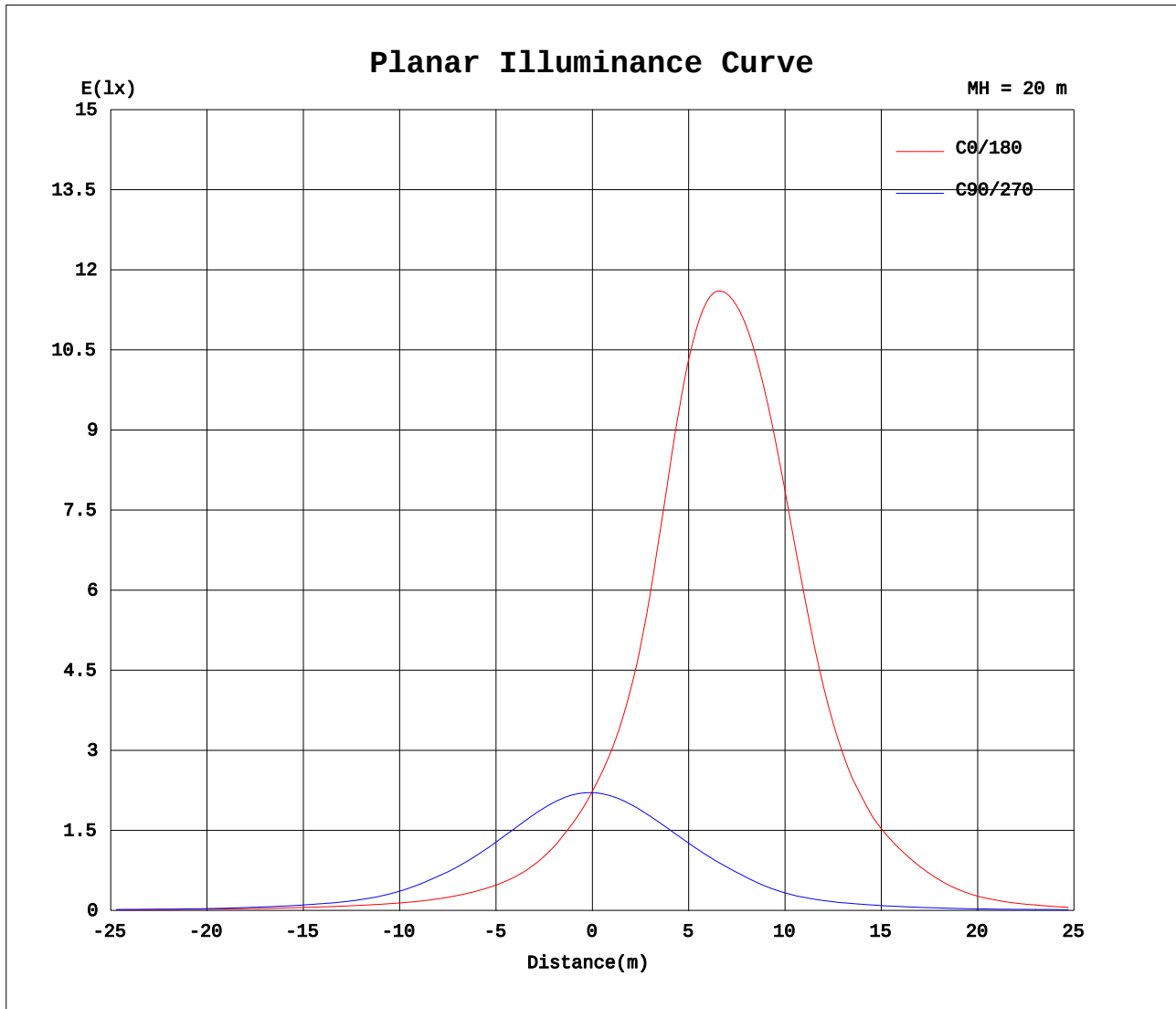
AvgL	cd/m2
L_0~180(65)av	12407
L_0~180(75)av	6097
L_0~180(85)av	1511
L_90~270(65)av	11652
L_90~270(75)av	6523
L_90~270(85)av	1674
L_45(65)av	12267
L_45(75)av	6460
L_45(85)av	1767

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-VF65RF01-15W	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	882	882	882	882	882	882	882	882	882	882	882	882	882	882	882	882	882	882	882
5	519	527	551	594	652	736	835	962	1099	1250	1389	1489	1527	1499	1377	1230	1079	937	821
10	303	311	334	378	444	552	698	916	1199	1619	2172	2711	2947	2723	2148	1566	1165	879	685
15	190	195	212	242	293	385	527	767	1115	1769	2910	4270	4750	4234	2905	1685	1089	738	520
20	125	130	140	160	195	260	369	578	905	1548	2894	4899	5447	4732	2936	1463	894	560	364
25	86.5	88.2	94.4	105	126	166	238	399	663	1161	2117	4093	4836	3905	2190	1094	665	376	220
30	65.9	66.2	69.9	75.7	87.1	107	143	236	439	809	1342	2420	2991	2336	1378	765	427	208	130
35	50.3	50.6	52.9	56.5	63.2	75.4	94.5	137	238	512	853	1303	1518	1245	853	459	213	120	85.8
40	38.2	38.3	39.5	41.3	45.3	52.8	64.9	86.6	130	246	461	726	782	665	442	204	114	76.1	57.0
45	31.9	32.1	33.1	33.9	35.3	37.1	42.6	56.1	76.2	120	185	282	303	255	177	103	69.3	48.2	37.1
50	26.3	26.3	27.1	27.7	28.9	30.7	32.2	34.4	44.2	64.5	87.1	115	119	102	81.0	56.1	40.8	30.7	29.1
55	22.9	22.8	22.9	22.8	23.2	24.1	25.4	27.3	27.7	32.1	40.3	49.0	47.8	42.2	37.4	29.0	27.0	24.4	22.7
60	19.5	19.5	19.8	19.5	19.4	18.9	19.3	20.5	21.2	22.7	23.1	24.7	23.8	22.1	22.1	20.8	19.6	17.7	17.0
65	14.4	14.7	15.0	15.5	15.5	15.3	14.9	14.7	14.7	15.6	15.5	16.1	15.2	14.3	14.5	13.5	13.0	12.3	12.9
70	9.21	9.44	9.64	10.1	10.3	10.6	10.5	10.5	9.86	9.57	8.87	8.89	8.16	7.78	8.06	8.07	8.43	8.60	8.88
75	4.60	4.78	4.82	4.99	5.03	5.27	5.24	5.53	5.34	5.38	4.85	4.77	4.32	4.05	4.36	4.26	4.45	4.25	4.30
80	1.61	1.69	1.70	1.72	1.62	1.62	1.52	1.59	1.48	1.53	1.33	1.28	1.06	1.01	1.13	1.11	1.20	1.16	1.23
85	0.48	0.58	0.58	0.57	0.54	0.50	0.46	0.42	0.39	0.36	0.34	0.32	0.26	0.27	0.28	0.31	0.31	0.35	0.37
90	0.37	0.38	0.38	0.36	0.36	0.35	0.33	0.33	0.30	0.30	0.28	0.29	0.26	0.25	0.27	0.26	0.28	0.29	0.31
95	0.48	0.48	0.44	0.43	0.39	0.39	0.37	0.38	0.35	0.36	0.33	0.35	0.31	0.29	0.32	0.31	0.34	0.34	0.37
100	0.83	0.77	0.68	0.56	0.48	0.46	0.43	0.44	0.41	0.43	0.40	0.42	0.37	0.35	0.38	0.37	0.40	0.41	0.44
105	1.60	1.43	1.21	0.88	0.67	0.57	0.51	0.51	0.48	0.50	0.47	0.49	0.45	0.43	0.46	0.45	0.48	0.48	0.53
110	2.98	2.68	2.19	1.51	1.06	0.77	0.63	0.61	0.56	0.59	0.56	0.57	0.54	0.52	0.55	0.54	0.58	0.59	0.66
115	5.33	4.81	3.90	2.63	1.76	1.16	0.86	0.74	0.67	0.68	0.65	0.67	0.65	0.63	0.66	0.65	0.70	0.74	0.90
120	8.49	7.78	6.52	4.47	2.92	1.83	1.27	0.97	0.83	0.81	0.77	0.79	0.79	0.76	0.79	0.79	0.87	0.99	1.30
125	11.8	11.0	9.68	7.15	4.81	2.93	1.94	1.38	1.10	0.99	0.92	0.93	0.94	0.92	0.97	0.99	1.14	1.41	1.96
130	14.5	13.8	12.7	10.2	7.43	4.66	2.99	2.02	1.54	1.30	1.17	1.15	1.16	1.14	1.22	1.31	1.57	2.08	2.98
135	16.2	15.6	14.9	12.9	10.4	7.12	4.64	3.04	2.24	1.80	1.57	1.49	1.48	1.49	1.61	1.83	2.26	3.11	4.57
140	17.1	16.6	16.2	14.9	13.0	9.97	7.04	4.70	3.35	2.61	2.22	2.05	2.03	2.06	2.27	2.65	3.35	4.70	6.87
145	16.8	16.4	16.7	16.0	14.9	12.6	9.84	7.09	5.12	3.95	3.28	2.98	2.92	3.01	3.33	3.94	5.07	6.98	9.62
150	15.1	15.1	16.3	16.5	16.0	14.6	12.5	9.91	7.68	6.05	5.02	4.53	4.45	4.58	5.09	5.96	7.50	9.73	12.3
155	12.6	13.0	15.1	16.3	16.5	15.8	14.6	12.7	10.6	8.93	7.65	6.99	6.86	7.04	7.68	8.69	10.3	12.4	14.5
160	10.3	11.2	13.5	15.6	16.6	16.5	15.9	14.8	13.3	12.0	10.8	10.18	9.98	10.1	10.8	11.6	13.1	14.6	15.9
165	10.3	11.1	12.8	14.7	16.2	16.7	16.6	16.2	15.3	14.6	13.7	13.4	13.1	13.1	13.6	14.1	15.1	16.0	16.7
170	12.3	12.6	13.9	14.7	15.9	16.5	16.8	16.9	16.5	16.3	15.8	15.9	15.5	15.3	15.7	15.9	16.4	16.7	16.9
175	15.1	15.2	15.7	15.9	16.4	16.7	16.9	17.1	17.1	17.3	17.1	17.3	16.9	16.6	17.0	16.8	17.1	17.0	17.0
180	17.0	16.9	17.1	16.9	17.0	17.0	17.0	17.2	17.2	17.5	17.3	17.5	17.1	16.8	17.1	16.9	17.0	17.0	17.1

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-VF65RF01-15W	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	882	882	882	882	882														
5	720	644	586	545	523														
10	536	437	370	329	309														
15	372	287	235	206	193														
20	243	182	148	132	125														
25	147	115	99.1	89.9	87.2														
30	96.3	81.4	73.2	68.2	66.5														
35	67.5	58.3	53.4	50.8	50.2														
40	46.0	40.8	38.7	37.8	38.2														
45	32.9	32.3	32.1	31.6	31.9														
50	27.5	26.5	26.2	25.8	26.2														
55	21.6	21.2	21.4	21.8	22.8														
60	16.7	17.5	18.1	18.7	19.3														
65	13.2	13.7	14.1	14.1	14.3														
70	8.79	8.97	8.97	9.01	9.07														
75	4.12	4.28	4.27	4.47	4.48														
80	1.25	1.36	1.43	1.55	1.56														
85	0.42	0.45	0.50	0.53	0.53														
90	0.32	0.34	0.36	0.37	0.39														
95	0.36	0.40	0.42	0.47	0.50														
100	0.45	0.50	0.58	0.71	0.85														
105	0.57	0.70	0.94	1.24	1.60														
110	0.79	1.09	1.62	2.21	2.98														
115	1.22	1.76	2.75	3.91	5.35														
120	1.91	2.89	4.63	6.59	8.51														
125	3.01	4.66	7.37	9.80	11.9														
130	4.70	7.25	10.5	12.9	14.7														
135	7.14	10.2	13.4	15.2	16.6														
140	9.99	13.0	15.5	16.7	17.5														
145	12.7	15.1	16.8	17.2	17.4														
150	14.8	16.3	17.3	16.9	16.1														
155	16.1	16.9	17.2	15.7	13.9														
160	16.8	16.9	16.3	14.2	12.1														
165	17.0	16.5	15.5	13.4	12.0														
170	16.9	16.2	15.5	14.3	13.5														
175	16.9	16.7	16.6	16.0	16.0														
180	17.2	17.2	17.5	17.3	17.5														

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: