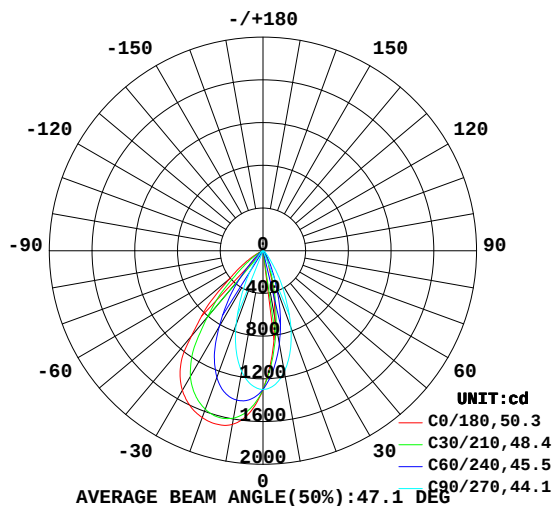


LUMINAIRE PHOTOMETRIC TEST REPORT

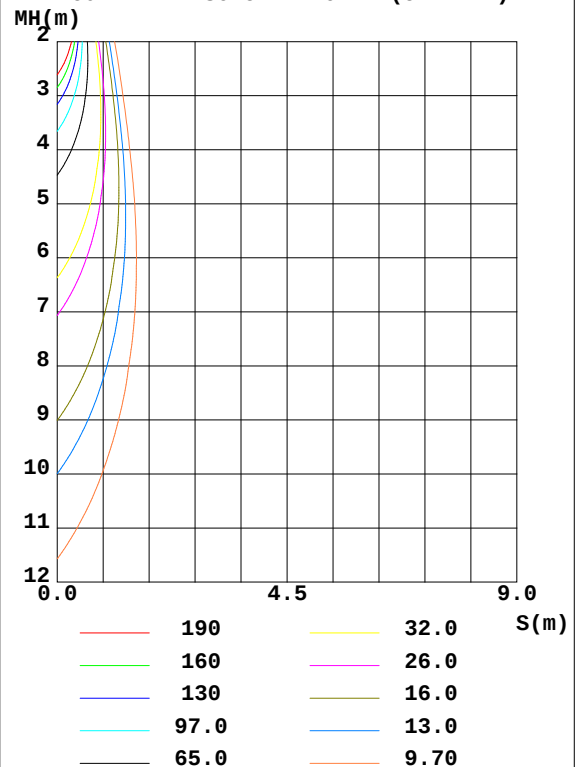
NAME: VM060-VF65RF01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.93 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	1685	S/MH(C0/180)	1.33
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.69
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1264.2	η UP, DN(C0-180)	1.3, 45.0
NOMINAL FLUX(lm)	1264.16	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 52.6
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.80

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:

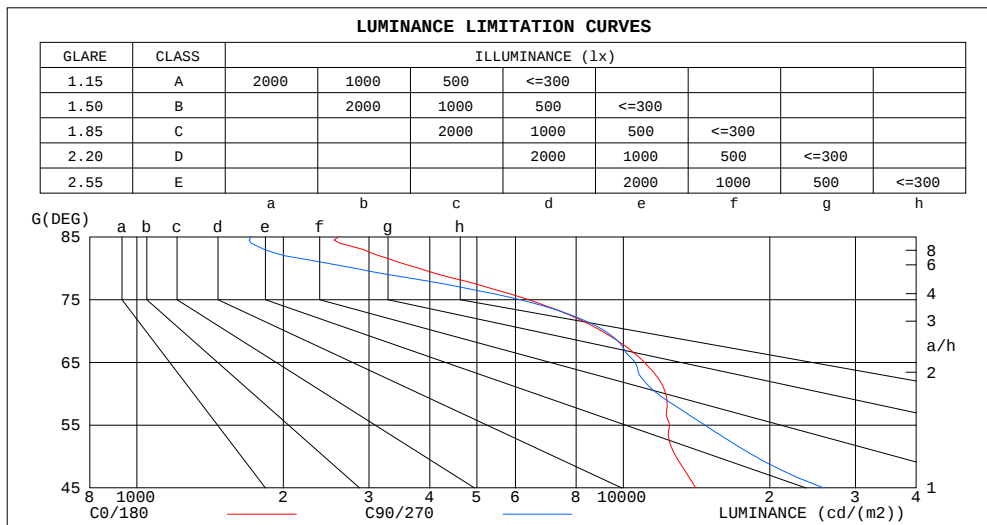
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	644.9	786.9	1150	1539	1650	1513	1148	772.5	0- 10	116.6	116.6	9.23,9.23
20	174.2	279.8	764.4	1478	1663	1451	738.3	260.0	10- 20	279.7	396.4	31.4,31.4
30	55.41	77.78	321.0	1171	1510	1127	297.1	70.00	20- 30	324.8	721.2	57,57
40	33.29	36.93	87.55	613.7	1042	583.6	76.67	34.38	30- 40	275.7	996.9	78.9,78.9
50	23.30	24.82	33.86	180.3	412.0	164.4	29.95	23.20	40- 50	154.8	1152	91.1,91.1
60	17.26	16.94	16.58	41.87	109.3	36.71	15.03	16.00	50- 60	59.14	1211	95.8,95.8
70	8.719	8.993	8.838	7.845	6.800	7.124	8.131	8.390	60- 70	17.49	1228	97.2,97.2
80	1.863	1.710	1.373	1.281	0.9553	1.048	1.209	1.528	70- 80	4.604	1233	97.5,97.5
90	0.6620	0.4602	0.3152	0.2944	0.2541	0.2501	0.3042	0.4458	80- 90	0.6357	1234	97.6,97.6
100	1.913	1.129	0.4538	0.3882	0.3535	0.3483	0.4676	1.197	90-100	0.5914	1234	97.6,97.6
110	4.500	2.882	0.9226	0.5264	0.4882	0.4971	0.9574	3.056	100-110	1.270	1235	97.7,97.7
120	8.114	5.819	2.246	0.8390	0.6983	0.8560	2.283	6.050	110-120	2.461	1238	97.9,97.9
130	11.91	9.342	4.680	1.846	1.324	1.928	4.758	9.669	120-130	3.993	1242	98.2,98.2
140	14.68	12.50	7.889	4.082	3.024	4.184	8.014	12.91	130-140	5.416	1247	98.7,98.7
150	15.20	14.33	11.11	7.376	6.005	7.441	11.24	14.72	140-150	6.068	1253	99.1,99.1
160	14.55	14.95	13.46	10.89	9.653	10.86	13.58	15.26	150-160	5.513	1259	99.6,99.6
170	14.69	14.93	14.62	13.54	12.80	13.44	14.71	15.27	160-170	3.851	1263	99.9,99.9
180	14.67	15.04	15.23	15.27	14.67	15.03	15.23	15.27	170-180	1.395	1264	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2597	1717
80	3798	2803
75	6375	6126
70	9023	9164
65	11049	10573
60	12214	11758
55	12440	14714
50	12831	18683
45	14089	25851

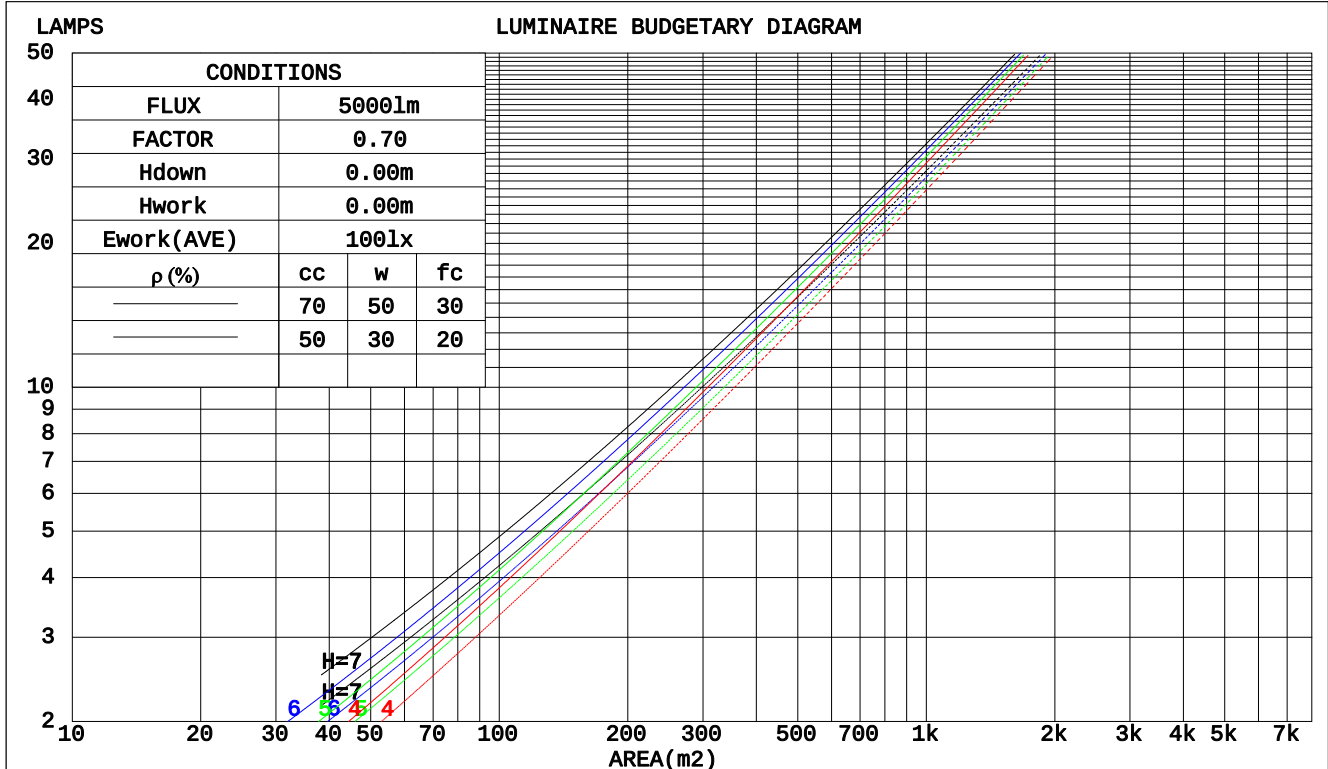
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-11

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-CRI90-55D	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	1.09	1.06	1.04	1.07	1.04	1.02	1.02	1.00	.98	.98	.97	.95	.94	.93	.92	.90
2.0	1.00	.96	.92	.98	.94	.91	.95	.91	.88	.91	.89	.86	.88	.86	.84	.82
3.0	.92	.87	.82	.91	.86	.82	.88	.83	.80	.85	.81	.78	.82	.79	.77	.75
4.0	.85	.79	.74	.84	.78	.74	.81	.77	.73	.79	.75	.72	.77	.73	.70	.69
5.0	.79	.73	.68	.78	.72	.67	.76	.71	.66	.74	.69	.66	.72	.68	.65	.63
6.0	.73	.67	.62	.72	.66	.62	.71	.65	.61	.69	.64	.60	.67	.63	.60	.58
7.0	.68	.62	.57	.68	.61	.57	.66	.60	.56	.65	.60	.56	.63	.59	.55	.54
8.0	.64	.57	.53	.63	.57	.53	.62	.56	.52	.61	.56	.52	.59	.55	.52	.50
9.0	.60	.54	.49	.59	.53	.49	.58	.53	.49	.57	.52	.48	.56	.51	.48	.47
10.0	.56	.50	.46	.56	.50	.46	.55	.49	.46	.54	.49	.45	.53	.48	.45	.44



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-CRI90-55D	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	.198	.112	.036	.190	.108	.034	.176	.101	.032	.163	.094	.030	.151	.088	.028		
2.0	.191	.105	.032	.185	.102	.031	.173	.096	.030	.162	.091	.028	.151	.086	.027		
3.0	.183	.097	.029	.177	.095	.029	.167	.090	.027	.157	.086	.026	.148	.082	.025		
4.0	.174	.090	.027	.169	.088	.026	.160	.085	.025	.151	.081	.024	.143	.078	.024		
5.0	.165	.084	.024	.161	.083	.024	.153	.080	.023	.145	.077	.023	.138	.074	.022		
6.0	.157	.079	.023	.153	.077	.022	.146	.075	.022	.139	.072	.021	.133	.070	.021		
7.0	.149	.074	.021	.146	.073	.021	.140	.071	.020	.133	.068	.020	.128	.066	.020		
8.0	.142	.070	.020	.139	.069	.019	.133	.067	.019	.128	.065	.019	.123	.063	.018		
9.0	.136	.066	.018	.133	.065	.018	.128	.063	.018	.123	.062	.018	.118	.060	.017		
10.0	.130	.062	.017	.127	.061	.017	.122	.060	.017	.118	.058	.017	.113	.057	.016		

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	.191	.176	.162	.164	.151	.139	.112	.104	.096	.064	.060	.056	.021	.019	.018	
2.0	.178	.151	.129	.152	.130	.111	.104	.090	.078	.060	.052	.046	.019	.017	.015	
3.0	.166	.133	.105	.143	.114	.091	.098	.079	.064	.057	.046	.038	.018	.015	.012	
4.0	.157	.118	.088	.135	.102	.077	.093	.071	.054	.054	.042	.032	.017	.014	.011	
5.0	.149	.107	.076	.128	.093	.066	.088	.065	.047	.051	.038	.028	.016	.012	.009	
6.0	.142	.098	.066	.122	.085	.058	.084	.059	.041	.049	.035	.024	.016	.011	.008	
7.0	.136	.091	.059	.117	.079	.051	.081	.055	.036	.047	.032	.022	.015	.011	.007	
8.0	.130	.085	.053	.112	.073	.046	.078	.052	.033	.045	.030	.020	.015	.010	.007	
9.0	.125	.080	.049	.108	.069	.043	.075	.049	.030	.043	.029	.018	.014	.009	.006	
10.0	.120	.075	.045	.104	.065	.039	.072	.046	.028	.042	.027	.017	.014	.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-CRI90-55D						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		12.7	13.8	13.0	14.0	14.2	14.4	15.4	14.6	15.6	15.9
	3H	13.9	14.8	14.2	15.1	15.3	15.1	16.0	15.4	16.3	16.5
	4H	14.1	15.0	14.4	15.3	15.6	15.2	16.1	15.5	16.4	16.7
	6H	14.2	15.0	14.5	15.3	15.6	15.2	16.0	15.5	16.3	16.6
	8H	14.2	15.0	14.5	15.3	15.6	15.2	16.0	15.5	16.3	16.6
	12H	14.1	14.9	14.5	15.2	15.6	15.1	15.9	15.5	16.2	16.5
4H	2H	13.3	14.2	13.6	14.5	14.7	14.6	15.5	14.9	15.8	16.1
	3H	14.5	15.3	14.9	15.6	15.9	15.5	16.2	15.8	16.6	16.9
	4H	14.8	15.5	15.2	15.9	16.2	15.7	16.4	16.1	16.7	17.1
	6H	14.9	15.5	15.3	15.9	16.3	15.7	16.3	16.1	16.7	17.1
	8H	14.9	15.5	15.4	15.9	16.3	15.7	16.2	16.1	16.6	17.0
	12H	14.9	15.4	15.3	15.8	16.3	15.6	16.1	16.1	16.6	17.0
8H	4H	14.9	15.4	15.3	15.8	16.3	15.7	16.3	16.1	16.7	17.1
	6H	15.0	15.5	15.5	15.9	16.4	15.7	16.2	16.2	16.6	17.1
	8H	15.0	15.4	15.5	15.9	16.4	15.7	16.1	16.2	16.6	17.1
	12H	15.0	15.4	15.5	15.8	16.4	15.7	16.0	16.2	16.5	17.0
12H	4H	14.8	15.4	15.3	15.8	16.2	15.6	16.2	16.1	16.6	17.0
	6H	15.0	15.4	15.5	15.8	16.3	15.7	16.1	16.2	16.6	17.0
	8H	15.0	15.3	15.5	15.8	16.3	15.7	16.0	16.2	16.5	17.0
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.4					+ 2.2 / - 1.0				
1.5H		+ 0.1 / - 0.3					+ 3.5 / - 1.0				
2.0H		+ 0.2 / - 0.5					+ 2.4 / - 0.9				

CIE Pub.117, 1264 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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

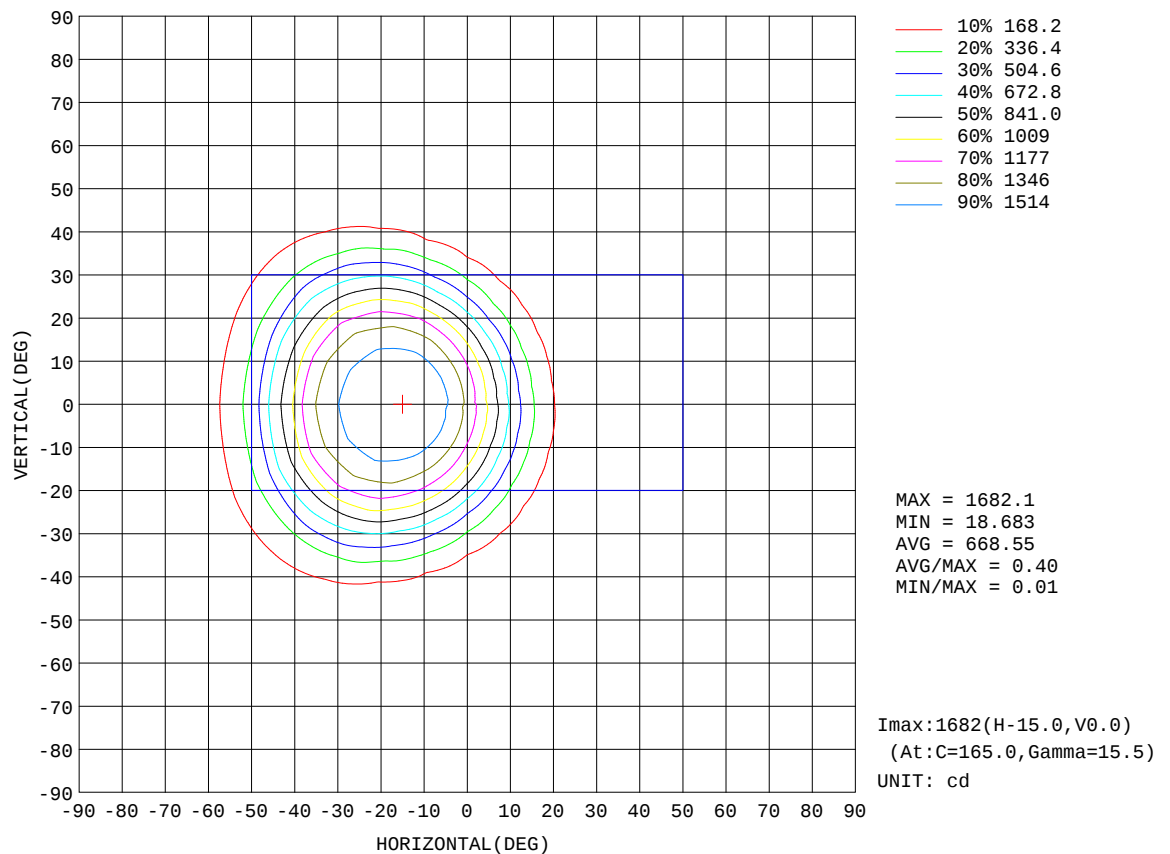
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	78	70	66	77	70	65	76	69	65	61
0.80	87	79	75	86	79	75	84	78	74	69
1.00	93	86	81	92	85	81	90	85	80	75
1.25	98	92	87	97	91	87	94	89	86	81
1.50	101	95	91	100	95	91	97	93	89	84
2.00	105	100	96	103	99	95	100	97	94	87
2.50	107	103	99	105	101	98	102	98	96	89
3.00	109	105	102	107	103	101	103	100	98	91
4.00	112	108	105	109	106	104	105	103	101	93
5.00	113	110	108	111	108	106	106	104	103	94
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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

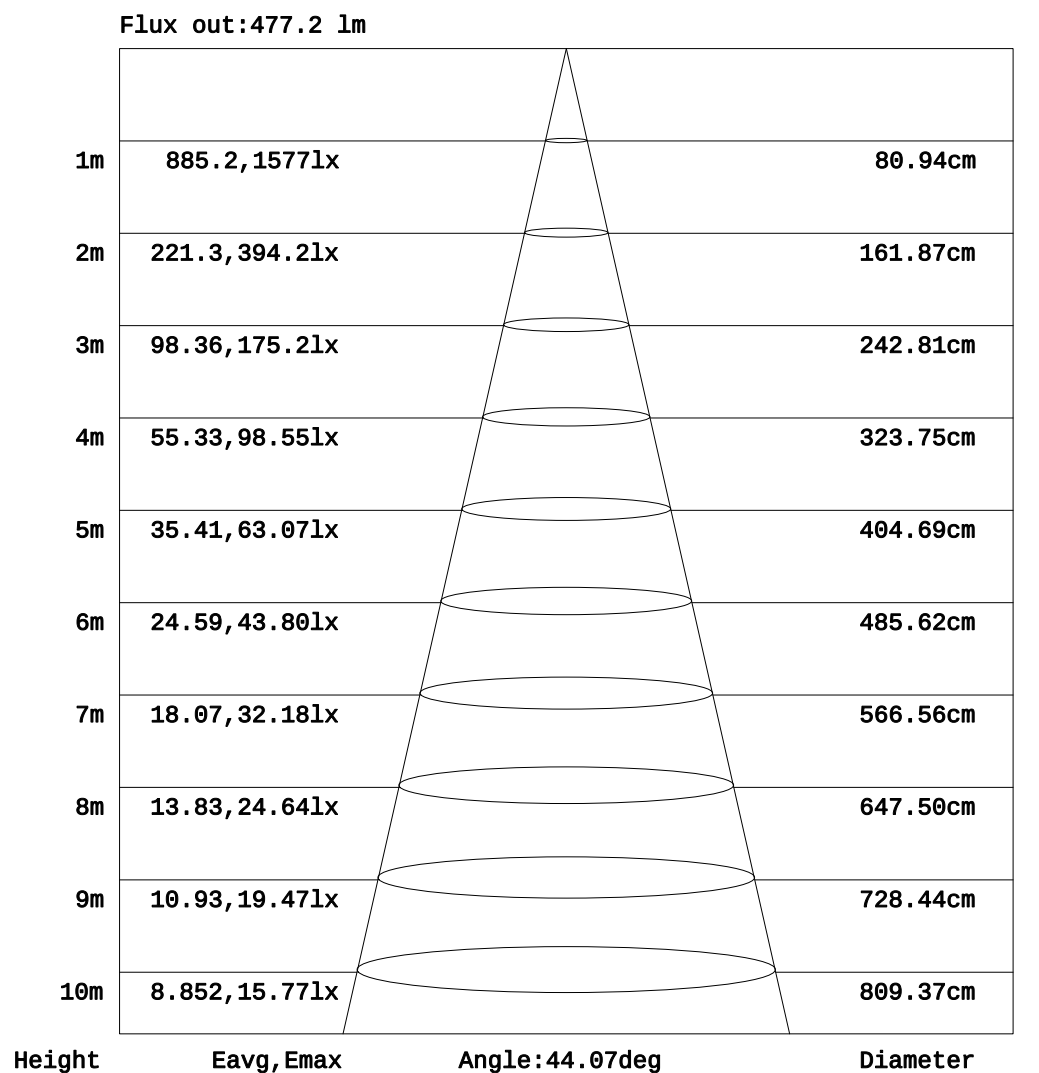


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-11

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



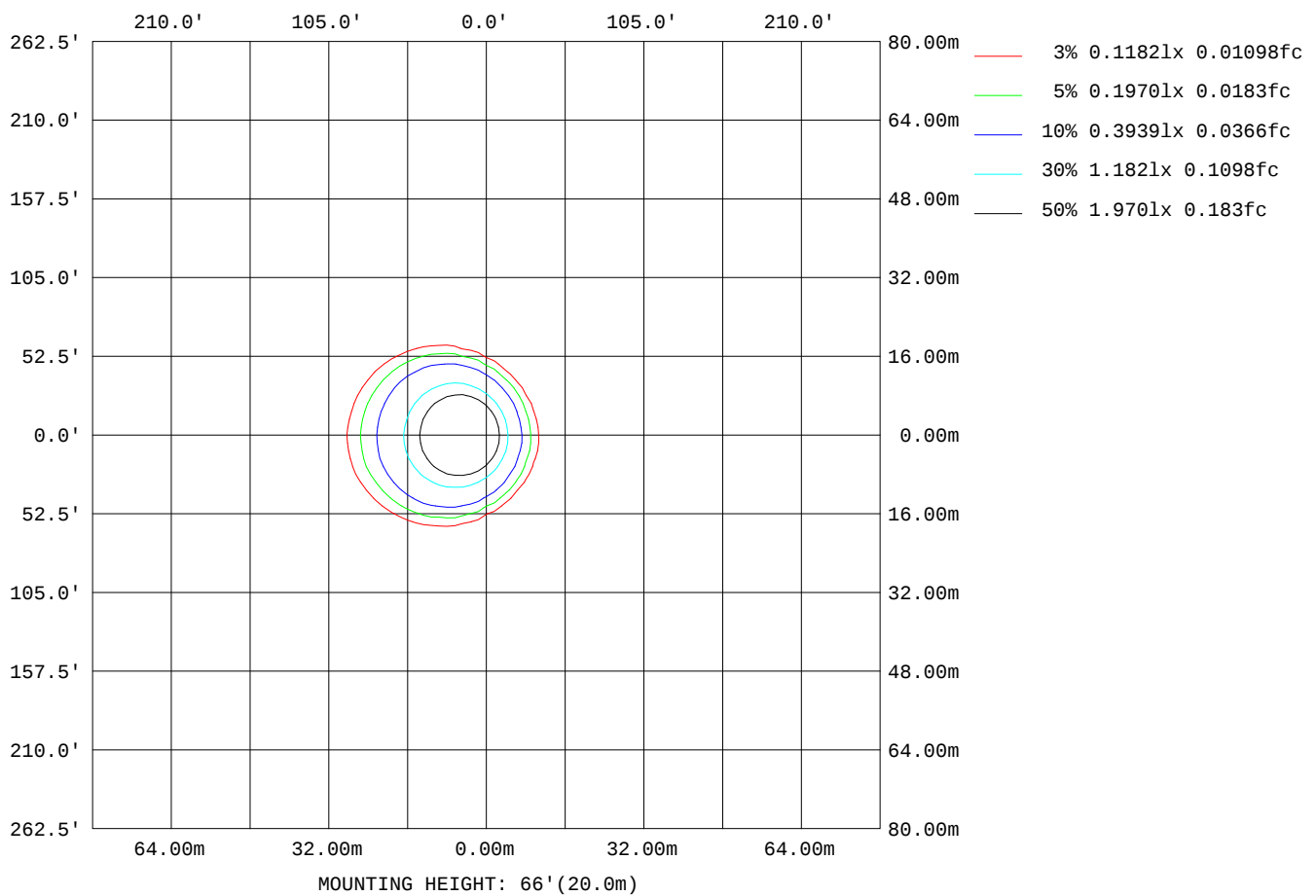
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-CRI90-55D	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

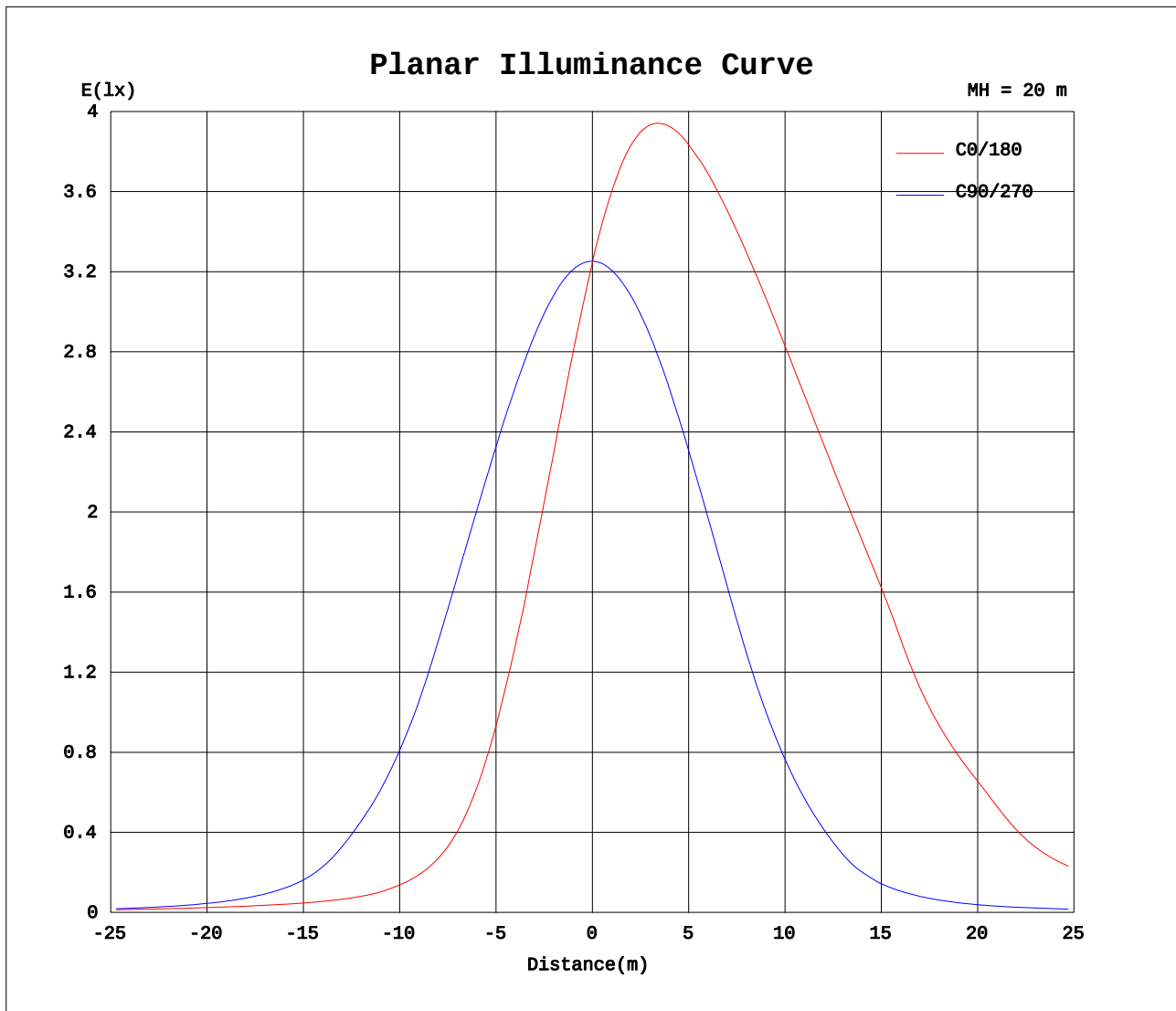
AvgL	cd/m2
L_0~180(65)av	20526
L_0~180(75)av	5664
L_0~180(85)av	1796
L_90~270(65)av	10133
L_90~270(75)av	5842
L_90~270(85)av	1589
L_45(65)av	11931
L_45(75)av	5821
L_45(85)av	1821

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-CRI90-55D	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	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298
5	982	994	1016	1064	1118	1189	1261	1337	1403	1462	1500	1530	1532	1514	1493	1449	1398	1329	1259
10	645	670	708	787	883	1013	1150	1299	1428	1539	1603	1651	1650	1622	1590	1513	1420	1288	1148
15	360	380	423	510	628	794	980	1191	1378	1537	1624	1685	1680	1650	1614	1513	1377	1177	969
20	174	187	215	280	383	553	764	1021	1263	1478	1595	1667	1663	1625	1580	1451	1263	996	738
25	91.3	96.4	110	146	209	336	519	793	1085	1361	1520	1611	1607	1562	1496	1325	1078	754	494
30	55.4	57.2	63.1	77.8	110	186	321	546	835	1171	1381	1504	1510	1456	1359	1127	820	515	297
35	40.7	41.5	43.8	49.4	62.1	92.1	166	343	579	888	1167	1333	1351	1282	1137	840	571	305	147
40	33.3	33.5	34.6	36.9	42.1	55.4	87.5	169	353	614	834	1023	1042	954	809	584	332	147	76.7
45	28.1	28.4	29.1	30.2	32.3	37.7	51.5	91.4	175	349	563	722	742	670	537	318	164	77.0	44.5
50	23.3	23.5	24.1	24.8	26.0	28.5	33.9	50.8	91.8	180	288	393	412	364	279	164	81.9	42.4	30.0
55	20.2	20.1	20.1	20.0	20.3	21.5	23.8	30.8	46.8	89.4	152	221	237	201	145	78.5	41.9	26.4	21.5
60	17.3	17.3	17.2	16.9	16.7	16.3	16.6	19.0	24.8	41.9	68.8	101	109	91.6	64.9	36.7	22.6	16.5	15.0
65	13.2	13.3	13.4	13.5	13.3	13.0	12.6	12.2	12.5	16.7	23.6	34.1	35.8	30.0	22.4	14.0	11.4	11.0	11.6
70	8.72	8.80	8.77	8.99	8.96	9.06	8.84	8.68	8.14	7.85	7.24	7.17	6.80	6.61	6.90	7.12	7.47	7.76	8.13
75	4.66	4.72	4.59	4.63	4.49	4.58	4.47	4.62	4.41	4.39	4.01	3.88	3.62	3.50	3.76	3.81	4.04	3.94	4.07
80	1.86	1.87	1.79	1.71	1.56	1.49	1.37	1.36	1.28	1.28	1.15	1.10	0.96	0.93	1.03	1.05	1.12	1.12	1.21
85	0.64	0.73	0.68	0.60	0.53	0.47	0.42	0.38	0.37	0.34	0.33	0.31	0.25	0.27	0.28	0.30	0.31	0.34	0.36
90	0.66	0.64	0.55	0.46	0.38	0.34	0.32	0.31	0.29	0.29	0.28	0.28	0.25	0.24	0.26	0.25	0.27	0.27	0.30
95	1.13	1.05	0.90	0.69	0.52	0.43	0.36	0.36	0.32	0.34	0.31	0.33	0.30	0.28	0.31	0.29	0.32	0.32	0.37
100	1.91	1.76	1.52	1.13	0.80	0.59	0.45	0.42	0.38	0.39	0.36	0.38	0.35	0.34	0.36	0.35	0.38	0.39	0.47
105	3.05	2.83	2.47	1.84	1.32	0.88	0.63	0.52	0.45	0.45	0.42	0.44	0.42	0.40	0.42	0.42	0.46	0.50	0.64
110	4.50	4.24	3.75	2.88	2.11	1.39	0.92	0.68	0.55	0.53	0.49	0.51	0.49	0.48	0.50	0.50	0.57	0.69	0.96
115	6.23	5.91	5.29	4.24	3.20	2.17	1.44	0.97	0.73	0.64	0.58	0.59	0.57	0.56	0.60	0.63	0.76	1.01	1.49
120	8.11	7.74	7.06	5.82	4.56	3.25	2.25	1.48	1.05	0.84	0.73	0.71	0.70	0.70	0.76	0.86	1.10	1.56	2.28
125	10.1	9.67	8.92	7.56	6.15	4.61	3.34	2.28	1.62	1.22	1.01	0.93	0.92	0.94	1.05	1.27	1.67	2.39	3.38
130	11.9	11.5	10.7	9.34	7.86	6.16	4.68	3.37	2.47	1.85	1.51	1.34	1.32	1.39	1.57	1.93	2.52	3.50	4.76
135	13.5	13.1	12.4	11.0	9.57	7.84	6.22	4.75	3.63	2.80	2.32	2.04	2.01	2.12	2.37	2.91	3.68	4.87	6.33
140	14.7	14.3	13.7	12.5	11.2	9.52	7.89	6.32	5.07	4.08	3.46	3.08	3.02	3.17	3.51	4.18	5.12	6.45	8.01
145	15.2	15.0	14.6	13.6	12.5	11.1	9.58	8.01	6.70	5.64	4.92	4.47	4.38	4.55	4.96	5.72	6.76	8.14	9.69
150	15.2	15.1	15.1	14.3	13.5	12.4	11.1	9.68	8.43	7.38	6.62	6.15	6.00	6.19	6.65	7.44	8.48	9.83	11.2
155	14.9	14.9	15.1	14.8	14.2	13.4	12.4	11.2	10.1	9.16	8.44	7.98	7.82	7.99	8.46	9.18	10.2	11.4	12.6
160	14.6	14.7	14.9	14.9	14.7	14.2	13.5	12.6	11.7	10.9	10.2	9.84	9.65	9.78	10.2	10.9	11.7	12.7	13.6
165	14.6	14.7	14.9	14.9	14.9	14.7	14.3	13.7	12.9	12.4	11.8	11.6	11.4	11.5	11.9	12.3	12.9	13.6	14.3
170	14.7	14.8	15.0	14.9	15.0	14.8	14.6	14.3	13.8	13.5	13.2	13.0	12.8	12.9	13.2	13.4	13.9	14.3	14.7
175	14.7	14.8	15.1	15.1	15.2	15.0	14.9	14.8	14.6	14.6	14.3	14.2	13.9	14.0	14.3	14.4	14.7	14.8	15.0
180	14.7	14.7	15.0	15.0	15.1	15.2	15.2	15.2	15.2	15.3	15.0	15.0	14.7	14.7	15.0	15.0	15.1	15.1	15.2

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-VF65RF01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1298	1298	1298	1298	1298														
5	1184	1118	1058	1016	985														
10	1001	879	773	703	656														
15	768	612	487	412	364														
20	511	363	260	207	176														
25	302	193	133	105	92.2														
30	159	96.7	70.0	59.7	55.3														
35	79.4	55.6	45.6	41.8	40.4														
40	47.6	37.9	34.4	33.2	32.9														
45	32.8	29.4	28.3	27.8	27.8														
50	25.3	23.9	23.2	22.9	22.9														
55	19.3	18.8	18.8	19.2	19.7														
60	14.9	15.6	16.0	16.5	16.9														
65	11.9	12.5	12.7	12.8	12.9														
70	8.16	8.39	8.39	8.43	8.42														
75	3.96	4.17	4.20	4.41	4.42														
80	1.26	1.41	1.53	1.69	1.72														
85	0.41	0.46	0.55	0.63	0.67														
90	0.32	0.37	0.45	0.56	0.65														
95	0.42	0.53	0.71	0.92	1.12														
100	0.58	0.83	1.20	1.55	1.89														
105	0.91	1.34	1.96	2.51	3.02														
110	1.45	2.14	3.06	3.81	4.43														
115	2.28	3.24	4.42	5.36	6.14														
120	3.39	4.64	6.05	7.14	8.02														
125	4.76	6.24	7.84	9.02	9.97														
130	6.35	7.98	9.67	10.9	11.8														
135	8.05	9.73	11.4	12.5	13.5														
140	9.76	11.4	12.9	13.8	14.7														
145	11.3	12.7	14.0	14.7	15.3														
150	12.7	13.8	14.7	15.2	15.4														
155	13.7	14.5	15.1	15.2	15.3														
160	14.4	14.9	15.3	15.1	15.1														
165	14.8	15.1	15.2	15.1	15.1														
170	15.0	15.2	15.3	15.2	15.1														
175	15.2	15.3	15.5	15.2	15.2														
180	15.2	15.2	15.3	15.0	15.0														

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: