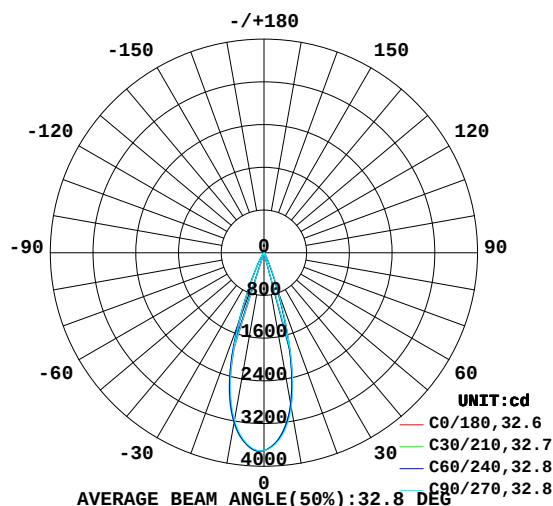


LUMINAIRE PHOTOMETRIC TEST REPORT

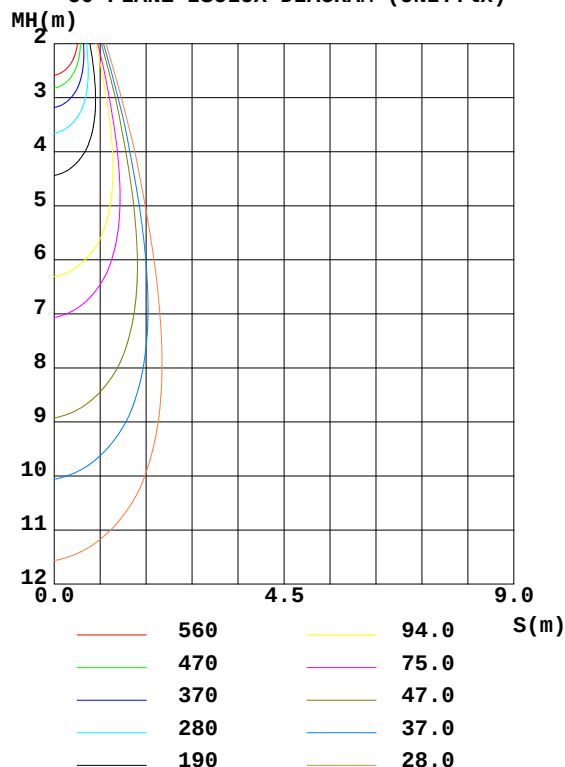
NAME: VM060-VF61RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 84.84 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3720	S/MH(C0/180)	0.53	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.54	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1144.1	η UP, DN(C0-180)	1.3, 44.9	
NOMINAL FLUX(lm)	1144.14	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 52.6	
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: 2021-08-12

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:

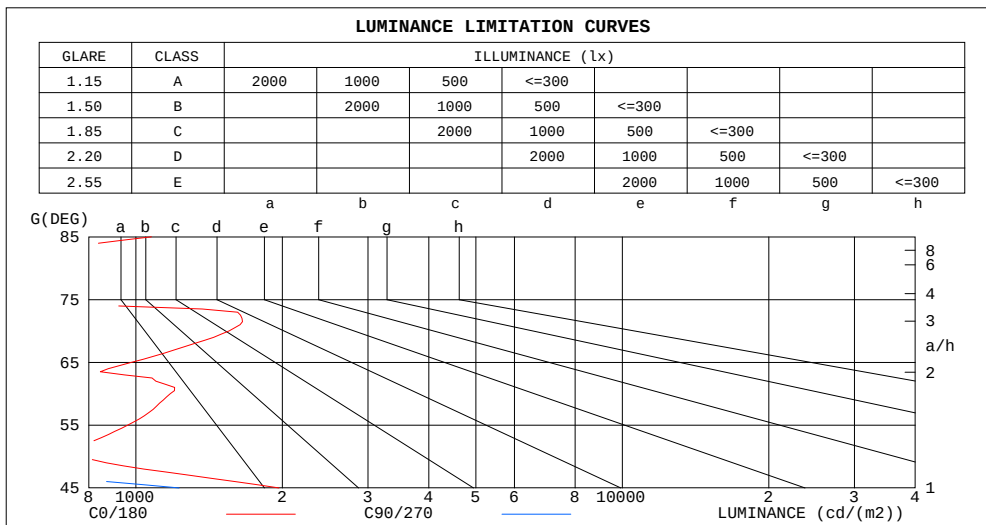
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2915	2887	2946	3132	3213	3219	3176	3014	0- 10	323.1	323.1	28.2, 28.2
20	762.2	724.3	787.3	1035	1238	1356	1349	1030	10- 20	568.6	891.7	77.9, 77.9
30	80.90	86.28	90.09	120.2	153.0	172.9	159.4	102.9	20- 30	187.6	1079	94.3, 94.3
40	10.32	9.319	9.086	10.69	14.04	15.99	16.62	12.83	30- 40	29.87	1109	96.9, 96.9
50	1.389	0.8733	0.5579	0.6968	1.909	1.792	1.414	1.461	40- 50	3.895	1113	97.3, 97.3
60	1.647	0.9703	0.6678	0.4580	1.467	0.6009	0.4134	0.8959	50- 60	0.8649	1114	97.4, 97.4
70	1.487	0.3257	0.1971	0.3396	1.599	0.1581	0.1548	0.1645	60- 70	0.7612	1115	97.4, 97.4
80	0.3726	0.2640	0.2085	0.2466	0.6047	0.1563	0.1770	0.1711	70- 80	0.3543	1115	97.5, 97.5
90	0.3495	0.2664	0.2374	0.2870	0.2298	0.1929	0.2142	0.2111	80- 90	0.2424	1115	97.5, 97.5
100	1.050	0.4810	0.2699	0.4845	1.337	0.2398	0.2677	0.2533	90-100	0.3678	1116	97.5, 97.5
110	0.5821	0.4906	0.4795	0.4630	0.5349	0.3101	0.3253	0.3111	100-110	0.5311	1116	97.6, 97.6
120	1.136	1.073	1.000	0.7854	0.8345	0.6373	0.7264	0.8388	110-120	0.5855	1117	97.6, 97.6
130	3.974	4.304	4.082	3.680	3.030	3.208	3.035	3.649	120-130	1.761	1119	97.8, 97.8
140	9.653	9.856	9.623	8.728	8.585	7.869	8.114	8.997	130-140	4.742	1123	98.2, 98.2
150	15.19	15.36	15.28	14.60	14.20	13.85	14.10	14.76	140-150	7.438	1131	98.8, 98.8
160	16.82	16.73	17.01	17.20	17.42	17.36	18.14	17.27	150-160	7.545	1138	99.5, 99.5
170	13.57	13.25	13.92	14.49	14.83	15.01	14.88	14.13	160-170	4.583	1143	99.9, 99.9
180	12.60	12.85	12.74	13.05	12.63	12.83	12.75	13.04	170-180	1.281	1144	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: 2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1076	870
80	767	424
75	424	266
70	1554	204
65	979	575
60	1177	472
55	963	345
50	772	307
45	1969	1227

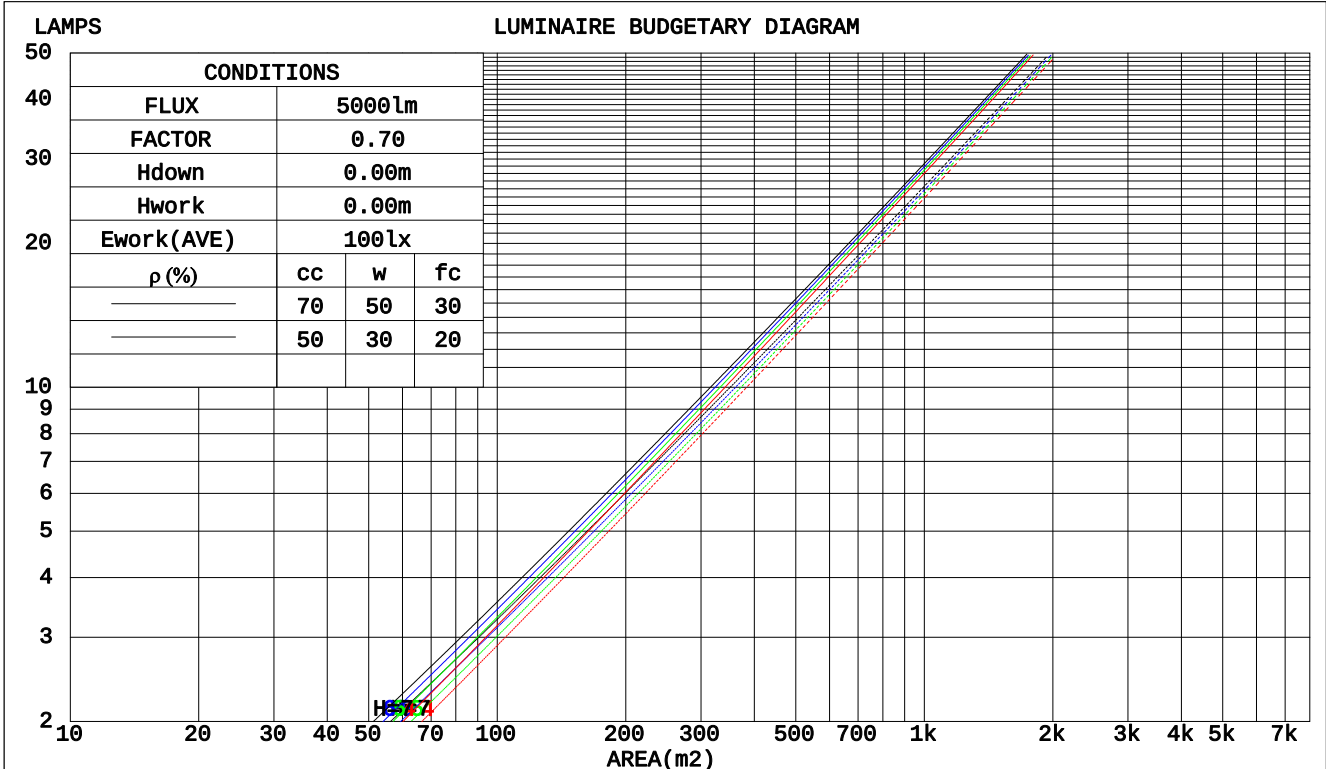
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	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	.97
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	1.03	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	.97	.95	.92	.95	.93	.91	.92	.91	.89	.88
4.0	.97	.93	.90	.96	.93	.90	.94	.91	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.94	.89	.86	.93	.89	.86	.91	.87	.85	.89	.86	.84	.87	.85	.83	.82
6.0	.90	.86	.83	.89	.85	.82	.88	.84	.82	.86	.83	.81	.85	.82	.80	.79
7.0	.87	.83	.80	.86	.82	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.77
8.0	.84	.80	.77	.84	.79	.77	.82	.79	.76	.81	.78	.76	.80	.77	.75	.74
9.0	.81	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72
10.0	.79	.75	.72	.78	.75	.72	.78	.74	.72	.77	.74	.71	.76	.73	.71	.70



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	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	.135	.077	.024	.121	.069	.022	.108	.062	.020	.096	.056	.018		
2.0	.131	.072	.022	.125	.069	.021	.114	.063	.020	.103	.058	.018	.093	.053	.017		
3.0	.123	.065	.020	.117	.063	.019	.108	.058	.018	.099	.054	.017	.090	.050	.015		
4.0	.115	.060	.018	.111	.058	.017	.102	.054	.016	.094	.051	.015	.087	.047	.014		
5.0	.109	.055	.016	.105	.054	.016	.097	.051	.015	.091	.048	.014	.084	.045	.014		
6.0	.103	.052	.015	.100	.050	.014	.093	.048	.014	.087	.045	.013	.082	.043	.013		
7.0	.098	.048	.014	.095	.047	.013	.089	.045	.013	.084	.043	.013	.079	.041	.012		
8.0	.093	.046	.013	.091	.045	.013	.086	.043	.012	.081	.041	.012	.077	.039	.011		
9.0	.089	.043	.012	.087	.042	.012	.083	.041	.012	.078	.039	.011	.074	.038	.011		
10.0	.086	.041	.011	.084	.040	.011	.080	.039	.011	.076	.038	.011	.072	.036	.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	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.188	.177	.167	.161	.152	.144	.110	.104	.099	.063	.060	.058	.020	.019	.019	
2.0	.170	.152	.137	.146	.131	.118	.100	.091	.083	.058	.053	.048	.018	.017	.016	
3.0	.156	.133	.115	.133	.115	.099	.092	.080	.070	.053	.047	.041	.017	.015	.013	
4.0	.143	.118	.098	.123	.102	.085	.085	.071	.060	.049	.042	.035	.016	.014	.012	
5.0	.133	.105	.085	.114	.091	.074	.079	.064	.052	.046	.037	.031	.015	.012	.010	
6.0	.125	.096	.075	.107	.083	.065	.074	.058	.046	.043	.034	.027	.014	.011	.009	
7.0	.117	.088	.067	.101	.076	.058	.070	.053	.041	.040	.031	.025	.013	.010	.008	
8.0	.111	.081	.060	.095	.070	.053	.066	.049	.037	.038	.029	.022	.012	.010	.007	
9.0	.105	.075	.055	.091	.065	.048	.063	.046	.034	.037	.027	.020	.012	.009	.007	
10.0	.101	.071	.051	.087	.061	.044	.060	.043	.031	.035	.026	.019	.011	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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-vF61RA01-15W						TYPE:indoor lights			WEIGHT:1		
SPEC.:3000K-CRI90-24D						DIM.:			SERIAL No.:		
						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		3.8	4.5	4.0	4.7	4.9	3.7	4.4	4.0	4.6	4.8
3H		3.9	4.5	4.1	4.7	4.9	3.6	4.2	3.9	4.5	4.7
4H		3.9	4.5	4.2	4.7	5.0	3.5	4.1	3.8	4.4	4.6
6H		3.9	4.4	4.2	4.7	5.0	3.5	4.0	3.8	4.3	4.6
8H		3.9	4.4	4.2	4.7	5.0	3.5	4.0	3.8	4.3	4.6
12H		3.9	4.4	4.2	4.7	5.0	3.4	4.0	3.8	4.3	4.6
4H 2H		3.6	4.2	3.9	4.4	4.7	3.5	4.1	3.8	4.4	4.6
3H		3.6	4.2	4.0	4.5	4.8	3.4	3.9	3.7	4.2	4.5
4H		3.7	4.2	4.1	4.5	4.8	3.3	3.8	3.7	4.1	4.5
6H		3.7	4.1	4.1	4.5	4.9	3.3	3.7	3.7	4.0	4.4
8H		3.7	4.1	4.1	4.5	4.9	3.3	3.6	3.7	4.0	4.4
12H		3.7	4.1	4.2	4.5	4.9	3.3	3.6	3.7	4.0	4.5
8H 4H		3.6	3.9	4.0	4.3	4.7	3.2	3.6	3.6	4.0	4.4
6H		3.6	3.9	4.0	4.3	4.8	3.2	3.5	3.6	3.9	4.4
8H		3.6	3.9	4.1	4.4	4.9	3.2	3.5	3.7	3.9	4.4
12H		3.7	4.0	4.2	4.5	5.0	3.3	3.5	3.8	4.0	4.5
12H 4H		3.5	3.9	3.9	4.3	4.7	3.1	3.5	3.6	3.9	4.3
6H		3.5	3.8	4.0	4.3	4.8	3.1	3.4	3.6	3.9	4.3
8H		3.6	3.8	4.1	4.3	4.9	3.2	3.4	3.7	3.9	4.4
Variations with the observer position at spacings:											
S = 1.0H		+ 3.0 / - 3.0					+ 3.2 / - 4.6				
1.5H		+ 5.2 / - 3.8					+ 5.8 / - 5.2				
2.0H		+ 3.2 / - 1.7					+ 1.7 / - 1.6				

CIE Pub.117, 1144 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:2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

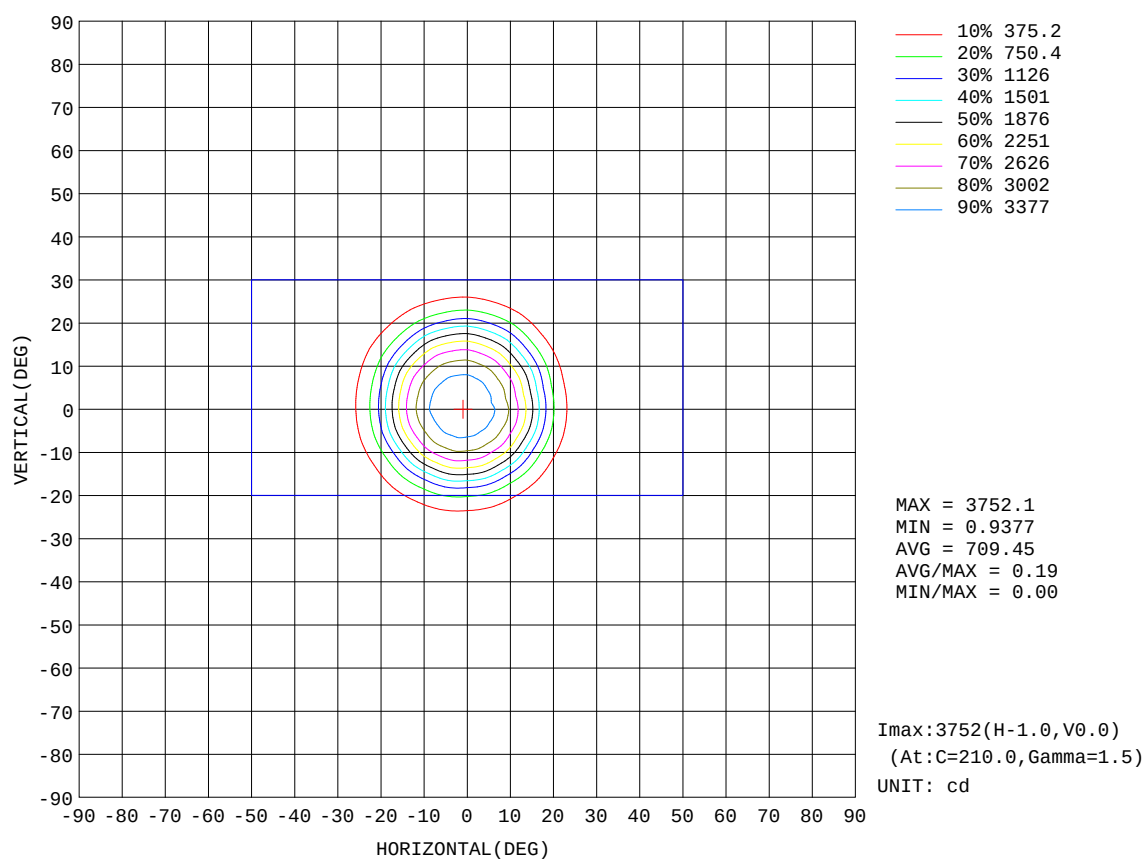
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	95	90	87	84
1.00	100	95	92	100	95	92	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	90
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	107	104	101	104	101	99	94
2.50	110	107	104	109	105	103	105	103	101	94
3.00	112	109	106	110	107	105	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	97
5.00	115	113	111	113	111	109	108	107	106	98
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:2021-08-12

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-VF61RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

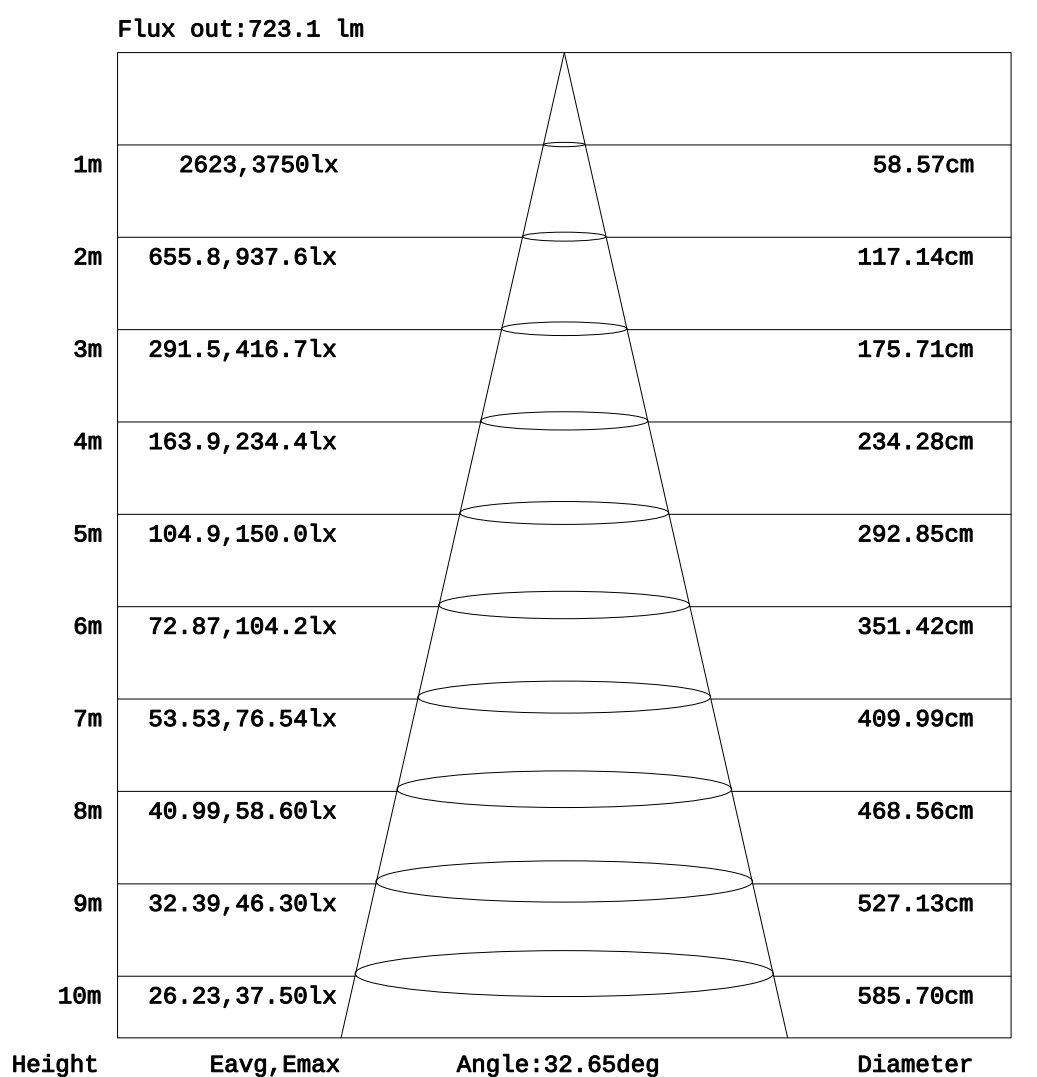


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



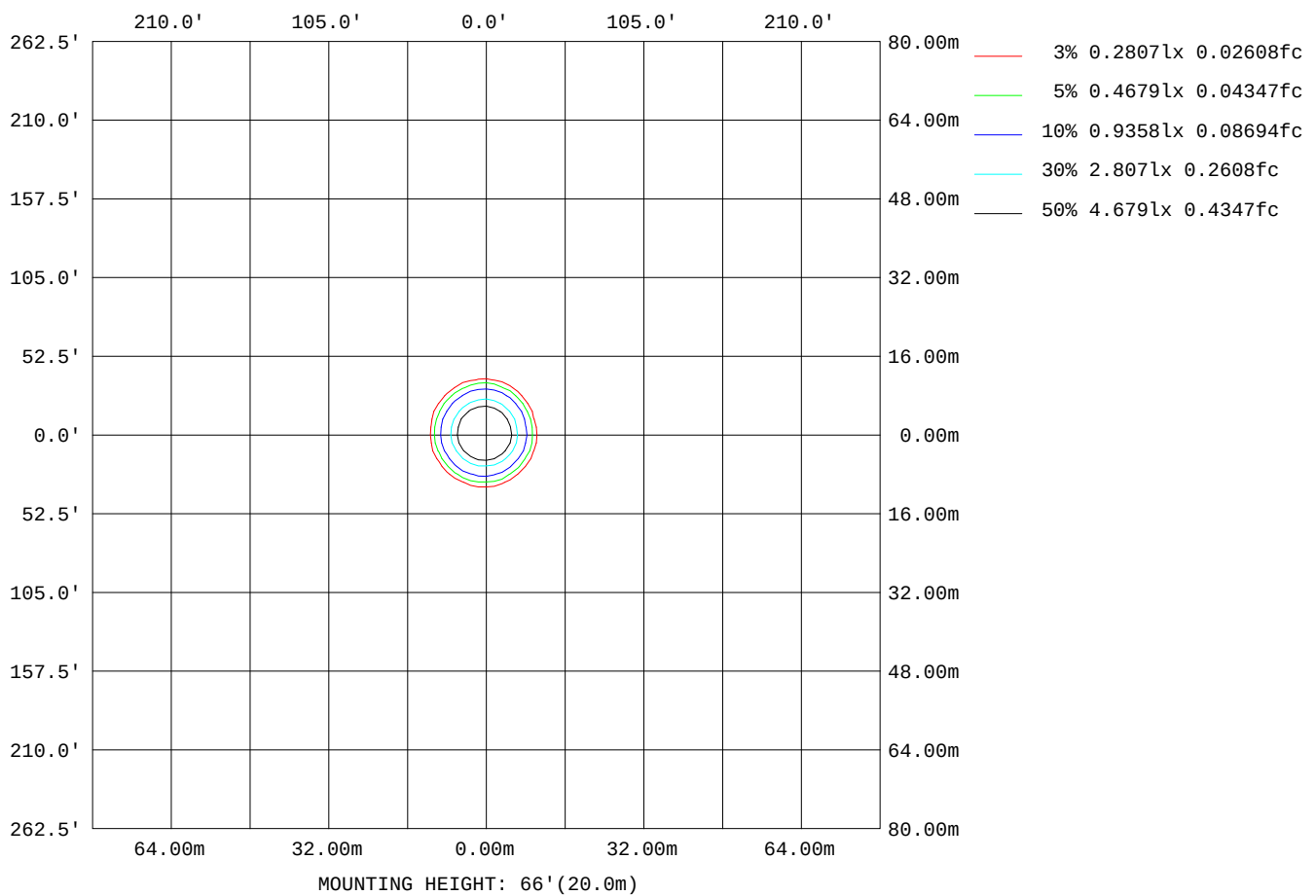
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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-VF61RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

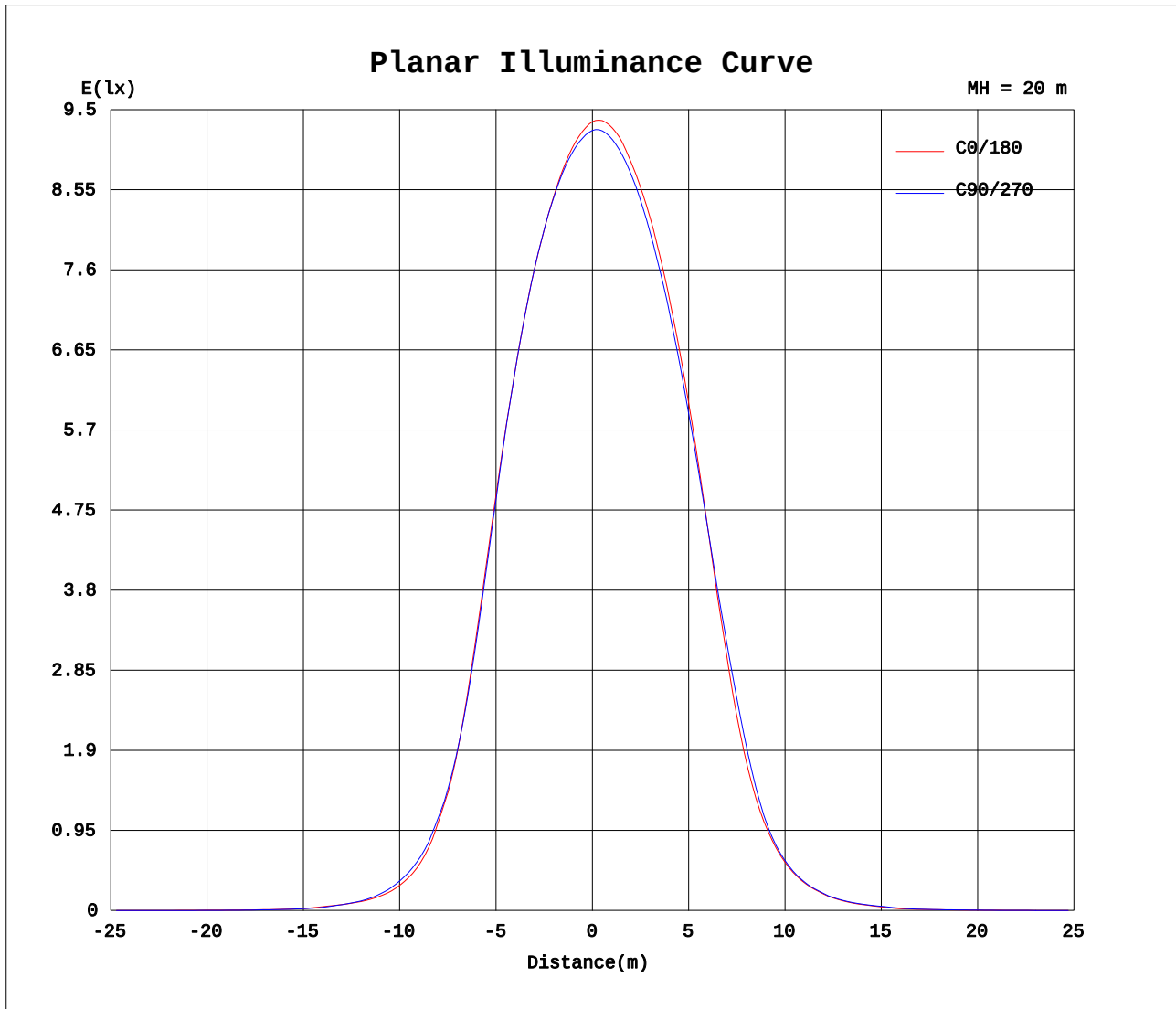
AvgL	cd/m2
L_0~180(65)av	1097
L_0~180(75)av	865
L_0~180(85)av	950
L_90~270(65)av	351
L_90~270(75)av	246
L_90~270(85)av	835
L_45(65)av	433
L_45(75)av	324
L_45(85)av	871

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: 2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	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	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707
5	3466	3464	3449	3462	3460	3486	3495	3530	3547	3581	3594	3621	3613	3609	3620	3612	3616	3600	3594
10	2915	2909	2868	2887	2875	2929	2946	3026	3056	3132	3158	3219	3213	3215	3239	3219	3226	3191	3176
15	1911	1888	1810	1834	1810	1882	1904	2024	2082	2225	2283	2413	2426	2448	2512	2487	2502	2436	2411
20	762	751	705	724	712	766	787	876	922	1035	1085	1215	1238	1275	1369	1356	1402	1347	1349
25	235	237	227	236	237	262	274	307	325	363	378	430	446	475	507	507	511	488	471
30	80.9	82.9	82.6	86.3	84.7	90.4	90.1	96.5	101	120	126	151	153	159	178	173	176	162	159
35	33.0	32.4	29.9	30.5	28.9	30.0	28.6	30.0	30.2	37.1	42.3	49.8	52.4	56.2	60.8	61.2	61.0	58.3	55.8
40	10.3	9.79	8.96	9.32	9.01	9.29	9.09	9.48	9.35	10.7	11.8	13.6	14.0	14.7	15.6	16.0	17.1	16.7	16.6
45	3.90	3.50	2.94	2.98	2.63	2.59	2.46	2.60	2.60	3.33	4.05	5.26	5.88	6.17	6.22	6.15	6.43	6.10	6.00
50	1.39	1.17	0.95	0.87	0.79	0.59	0.56	0.53	0.56	0.70	1.01	1.50	1.91	2.07	2.02	1.79	1.76	1.52	1.41
55	1.55	1.14	0.93	0.87	0.77	0.66	0.56	0.51	0.44	0.46	0.63	0.87	1.30	1.63	1.13	0.73	0.56	0.52	0.47
60	1.65	1.13	0.96	0.97	0.85	0.74	0.67	0.64	0.51	0.46	0.49	0.72	1.47	4.15	1.30	0.60	0.51	0.51	0.41
65	1.16	0.73	0.75	0.99	0.85	0.71	0.69	0.66	0.56	0.51	0.46	0.63	1.46	3.95	1.04	0.40	0.35	0.21	0.15
70	1.49	0.65	0.33	0.33	0.23	0.19	0.20	0.22	0.27	0.34	0.34	0.49	1.60	2.96	0.34	0.16	0.17	0.17	0.15
75	0.31	0.45	0.32	0.34	0.23	0.21	0.19	0.20	0.24	0.28	0.31	0.38	0.96	0.80	0.17	0.16	0.16	0.15	0.17
80	0.37	0.27	0.29	0.26	0.24	0.22	0.21	0.22	0.22	0.25	0.27	0.25	0.60	0.18	0.18	0.16	0.17	0.16	0.18
85	0.26	0.26	0.26	0.26	0.24	0.24	0.21	0.23	0.22	0.25	0.24	0.24	0.21	0.18	0.19	0.17	0.19	0.17	0.20
90	0.35	0.26	0.26	0.27	0.24	0.25	0.24	0.24	0.24	0.29	0.25	0.25	0.23	0.20	0.22	0.19	0.21	0.20	0.21
95	0.92	0.29	0.41	0.37	0.27	0.26	0.24	0.26	0.28	0.37	0.39	0.28	0.35	0.34	0.25	0.22	0.24	0.22	0.24
100	1.05	0.51	0.60	0.48	0.29	0.28	0.27	0.29	0.32	0.48	0.53	0.33	1.34	1.74	0.43	0.24	0.26	0.25	0.27
105	0.89	0.79	0.61	0.49	0.34	0.32	0.32	0.35	0.37	0.46	0.56	0.56	1.41	1.34	0.52	0.27	0.29	0.27	0.29
110	0.58	0.69	0.61	0.49	0.42	0.59	0.48	0.45	0.45	0.46	0.54	0.51	0.53	0.57	0.49	0.31	0.33	0.31	0.33
115	0.64	0.72	0.71	0.56	0.53	0.75	0.83	0.65	0.52	0.50	0.60	0.60	0.57	0.65	0.47	0.38	0.41	0.40	0.43
120	1.14	1.19	1.18	1.07	1.08	1.04	1.00	0.98	1.00	0.79	0.87	0.87	0.83	0.76	0.67	0.64	0.68	0.69	0.73
125	2.22	2.23	2.27	2.25	2.31	2.25	2.16	2.15	2.00	1.76	1.64	1.49	1.50	1.48	1.39	1.40	1.39	1.48	1.49
130	3.97	4.05	4.25	4.30	4.35	4.26	4.08	3.96	3.91	3.68	3.32	3.04	3.03	2.96	2.90	3.21	2.89	3.00	3.04
135	6.59	6.72	6.98	6.96	6.98	6.96	6.65	6.52	6.41	6.10	5.99	5.46	5.39	5.31	5.78	5.90	6.02	5.24	5.31
140	9.65	9.79	10.0	9.86	9.88	9.79	9.62	9.42	9.10	8.73	8.87	8.61	8.59	8.60	8.80	7.87	9.30	8.06	8.11
145	12.7	12.8	12.9	12.8	12.9	12.7	12.7	12.3	12.1	11.8	11.6	11.6	11.6	11.6	10.9	10.9	10.9	11.1	11.4
150	15.2	15.3	15.4	15.4	15.4	15.4	15.3	15.1	14.9	14.6	14.5	14.2	14.2	14.1	13.9	13.9	13.8	14.0	14.1
155	16.7	16.8	16.8	16.8	16.9	17.0	16.8	16.8	16.8	16.6	16.5	16.5	16.4	16.3	16.2	16.2	16.2	16.4	16.4
160	16.8	16.8	16.5	16.7	16.9	16.9	17.0	17.0	17.1	17.2	17.0	17.3	17.4	17.1	17.3	17.4	17.3	17.6	18.1
165	15.6	15.8	15.6	15.3	15.5	15.8	15.9	16.2	16.2	16.2	16.2	16.5	16.5	16.6	16.6	16.6	16.7	16.8	16.9
170	13.6	13.4	13.3	13.2	13.4	13.7	13.9	14.2	14.3	14.5	14.7	15.0	14.8	15.0	15.1	15.0	15.0	14.9	14.9
175	12.3	12.2	12.2	12.4	12.5	12.5	12.5	12.8	13.0	13.3	13.5	13.5	13.2	13.3	13.6	13.6	13.5	13.4	13.3
180	12.6	12.6	12.7	12.8	12.7	12.7	12.7	12.7	12.8	13.0	12.9	12.9	12.6	12.6	12.7	12.8	12.7	12.6	12.8

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	3707	3707	3707	3707	3707														
5	3562	3546	3514	3499	3469														
10	3117	3087	3014	2982	2915														
15	2307	2251	2121	2058	1927														
20	1245	1183	1030	934	793														
25	427	391	321	286	245														
30	139	129	103	92.1	81.7														
35	51.1	47.7	41.7	38.6	33.7														
40	15.1	13.9	12.8	12.0	10.6														
45	5.39	5.23	4.90	4.63	4.12														
50	1.26	1.37	1.46	1.54	1.55														
55	0.55	0.74	1.03	1.20	2.06														
60	0.49	0.69	0.90	0.94	2.79														
65	0.16	0.16	0.16	0.16	1.49														
70	0.16	0.16	0.16	0.16	0.88														
75	0.16	0.17	0.16	0.18	0.24														
80	0.17	0.18	0.17	0.18	0.19														
85	0.17	0.20	0.18	0.20	0.20														
90	0.20	0.22	0.21	0.23	0.22														
95	0.23	0.25	0.23	0.26	0.29														
100	0.25	0.27	0.25	0.30	0.92														
105	0.27	0.29	0.28	0.31	0.40														
110	0.31	0.34	0.31	0.36	0.37														
115	0.43	0.46	0.43	0.54	0.59														
120	0.77	0.81	0.84	1.08	1.12														
125	1.66	1.71	1.85	1.95	2.41														
130	3.27	3.37	3.65	3.77	4.01														
135	5.60	5.81	6.12	6.33	6.64														
140	8.48	8.70	9.00	9.28	9.71														
145	11.5	11.6	12.0	12.2	12.7														
150	14.3	14.5	14.8	14.9	15.2														
155	16.5	16.6	16.6	16.7	16.8														
160	17.4	17.3	17.3	17.4	16.8														
165	16.5	16.3	16.0	15.8	15.7														
170	14.6	14.4	14.1	14.0	13.9														
175	13.2	13.2	13.1	12.8	12.7														
180	12.7	12.8	13.0	12.9	12.9														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: