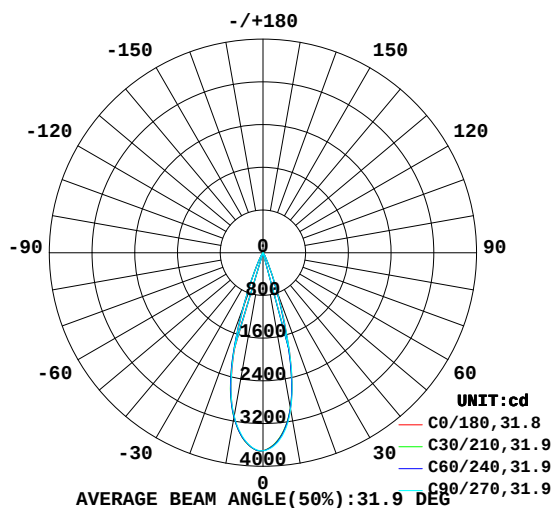


LUMINAIRE PHOTOMETRIC TEST REPORT

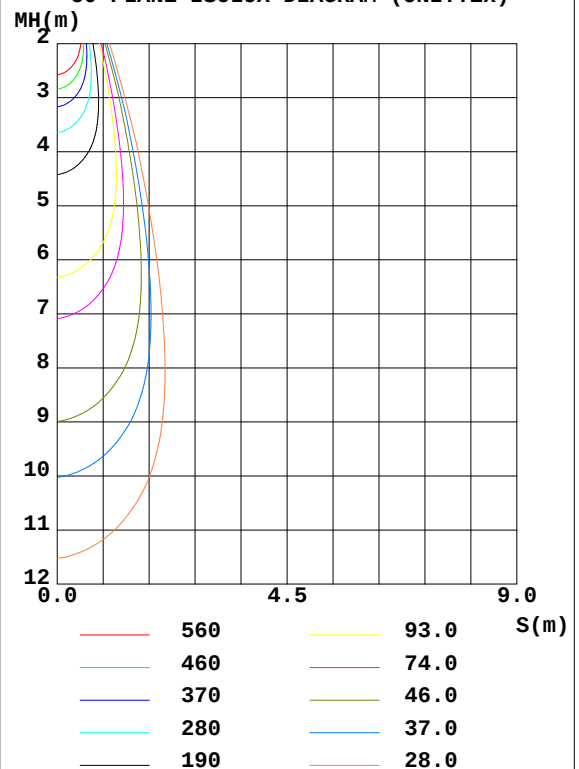
NAME: VM060-VF61SA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.43 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	3716	S/MH(C0/180)	0.50
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1095.4	η UP, DN(C0-180)	1.3, 46.8
NOMINAL FLUX(lm)	1095.44	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 50.4
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.3	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:

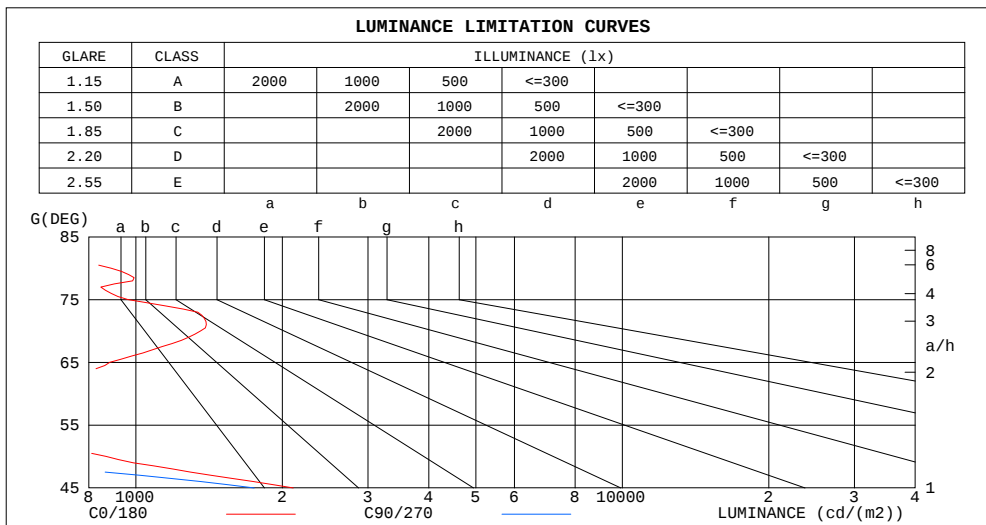
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2969	2974	2985	3090	3117	3111	3106	3014	0- 10	322.2	322.2	29.4, 29.4
20	779.1	745.9	782.6	929.8	1022	1057	1065	889.7	10- 20	545.0	867.3	79.2, 79.2
30	89.89	96.59	100.4	110.0	104.2	112.0	111.0	97.94	20- 30	158.2	1025	93.6, 93.6
40	12.66	18.26	12.53	25.03	15.58	26.43	16.50	21.34	30- 40	31.29	1057	96.5, 96.5
50	2.003	3.555	0.8497	4.510	2.378	5.195	2.046	4.678	40- 50	6.290	1063	97, 97
60	1.341	0.4141	0.2620	0.4204	1.142	0.7635	0.6376	0.7222	50- 60	1.181	1064	97.1, 97.1
70	1.667	0.3095	0.1987	0.3055	1.279	0.2228	0.1834	0.2127	60- 70	0.8573	1065	97.2, 97.2
80	0.5540	0.2799	0.2297	0.2851	0.5584	0.1918	0.1958	0.1993	70- 80	0.4502	1066	97.3, 97.3
90	0.2577	0.2778	0.2494	0.3124	0.2423	0.2006	0.2210	0.2081	80- 90	0.2706	1066	97.3, 97.3
100	0.8035	0.4609	0.2937	0.4680	0.6176	0.2688	0.2895	0.2878	90-100	0.3908	1066	97.3, 97.3
110	1.303	0.4651	0.4196	0.4891	1.234	0.3591	0.3715	0.4140	100-110	0.6070	1067	97.4, 97.4
120	1.124	0.8452	0.8294	0.7734	0.9850	0.7112	0.8428	0.8492	110-120	0.7747	1068	97.5, 97.5
130	3.518	3.767	3.549	3.398	3.091	3.670	3.095	3.796	120-130	1.686	1069	97.6, 97.6
140	11.26	8.920	8.856	8.388	10.52	8.087	8.126	8.634	130-140	5.414	1075	98.1, 98.1
150	14.46	14.40	14.46	14.06	14.02	13.80	13.91	14.24	140-150	7.879	1083	98.8, 98.8
160	16.27	16.13	16.26	16.50	16.77	16.84	17.21	16.59	150-160	7.318	1090	99.5, 99.5
170	12.99	12.77	13.28	13.63	13.93	14.00	13.90	13.32	160-170	4.378	1094	99.9, 99.9
180	11.73	11.91	11.75	12.06	11.75	11.91	11.76	12.06	170-180	1.199	1095	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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	796	772
80	889	367
75	963	223
70	1358	161
65	884	129
60	747	146
55	703	174
50	868	367
45	2106	1751

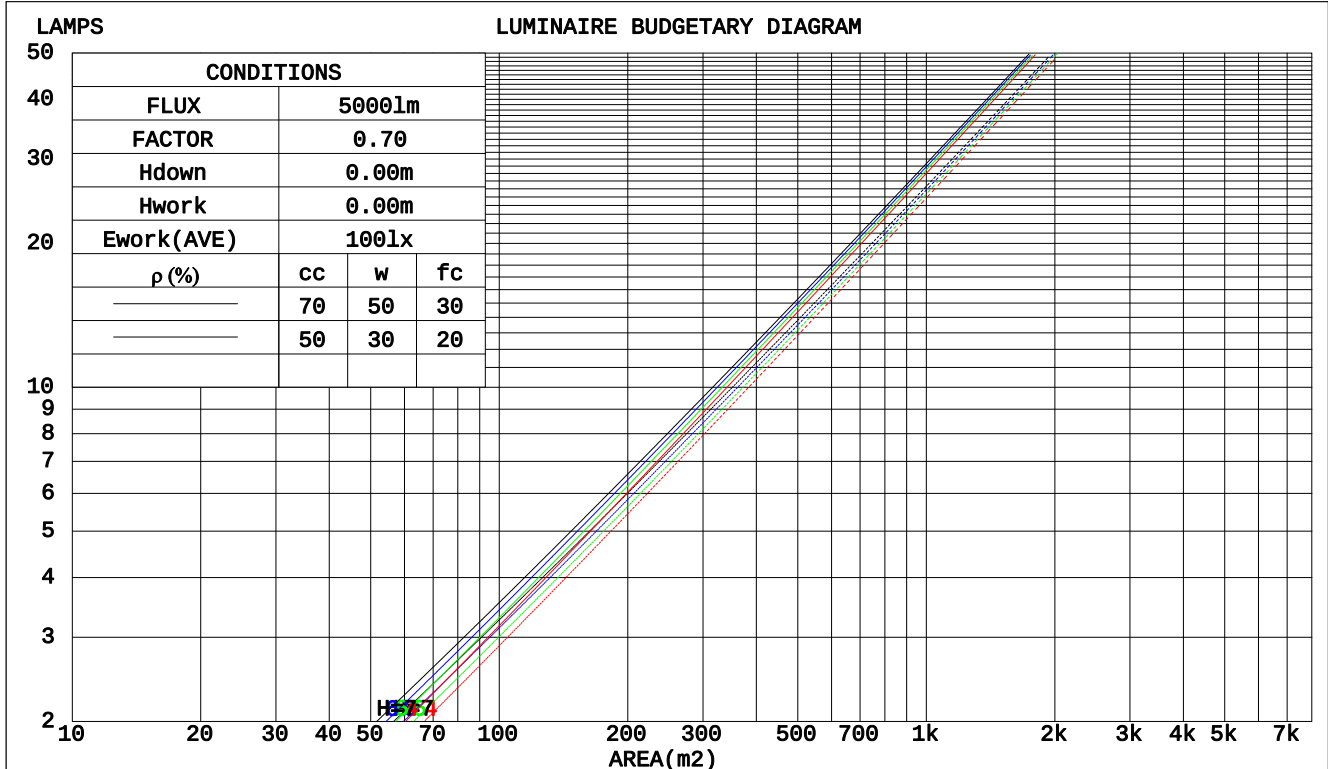
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	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	1.04	1.04	1.04	.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	.96	.96	.94
2.0	1.07	1.03	1.01	1.05	1.02	.00	1.01	.99	.97	.98	.96	.95	.95	.93	.92	.91
3.0	1.02	.98	.95	1.00	.97	.94	.97	.95	.92	.95	.93	.91	.92	.91	.89	.88
4.0	.98	.94	.90	.96	.93	.90	.94	.91	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.94	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.87	.85	.83	.82
6.0	.90	.86	.83	.90	.86	.83	.88	.84	.82	.86	.83	.81	.85	.82	.80	.79
7.0	.87	.83	.80	.87	.83	.80	.85	.82	.79	.84	.81	.79	.83	.80	.78	.77
8.0	.84	.80	.77	.84	.80	.77	.83	.79	.77	.82	.78	.76	.81	.78	.76	.75
9.0	.82	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.78	.76	.73	.73
10.0	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.72	.76	.74	.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
 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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	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	.141	.080	.025	.134	.076	.024	.120	.069	.022	.107	.062	.020	.095	.055	.018		
2.0	.131	.072	.022	.125	.069	.021	.113	.063	.020	.102	.057	.018	.092	.052	.016		
3.0	.122	.065	.019	.117	.063	.019	.107	.058	.018	.098	.054	.016	.089	.049	.015		
4.0	.114	.059	.017	.110	.058	.017	.102	.054	.016	.094	.050	.015	.086	.047	.014		
5.0	.108	.055	.016	.104	.053	.016	.097	.050	.015	.090	.047	.014	.083	.045	.013		
6.0	.102	.051	.015	.099	.050	.014	.092	.047	.014	.086	.045	.013	.081	.043	.013		
7.0	.097	.048	.014	.094	.047	.013	.089	.045	.013	.083	.043	.012	.078	.041	.012		
8.0	.093	.045	.013	.090	.044	.013	.085	.042	.012	.080	.041	.012	.076	.039	.011		
9.0	.089	.043	.012	.086	.042	.012	.082	.040	.011	.078	.039	.011	.074	.037	.011		
10.0	.085	.041	.011	.083	.040	.011	.079	.039	.011	.075	.037	.011	.071	.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	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.189	.178	.168	.162	.153	.145	.111	.105	.100	.064	.061	.058	.020	.020	.019	
2.0	.172	.154	.138	.147	.132	.120	.101	.091	.083	.058	.053	.049	.019	.017	.016	
3.0	.157	.134	.116	.135	.116	.101	.092	.081	.071	.053	.047	.042	.017	.015	.014	
4.0	.145	.119	.100	.124	.103	.086	.085	.072	.061	.049	.042	.036	.016	.014	.012	
5.0	.134	.107	.087	.116	.093	.075	.080	.065	.053	.046	.038	.032	.015	.012	.010	
6.0	.126	.097	.076	.108	.084	.067	.075	.059	.047	.043	.035	.028	.014	.011	.009	
7.0	.118	.089	.068	.102	.077	.060	.070	.054	.042	.041	.032	.025	.013	.010	.008	
8.0	.112	.082	.062	.096	.071	.054	.067	.050	.038	.039	.030	.023	.013	.010	.008	
9.0	.106	.077	.057	.092	.067	.049	.064	.047	.035	.037	.028	.021	.012	.009	.007	
10.0	.102	.072	.052	.088	.063	.046	.061	.044	.032	.035	.026	.019	.011	.009	.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-VF61SA01-15W						TYPE:indoor lights			WEIGHT:1		
SPEC.:3000K-CRI90-24D						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	5.2	5.9	5.5	6.1	6.3	5.5	6.1	5.7	6.3	6.5	
3H	5.2	5.8	5.5	6.0	6.3	5.3	5.9	5.6	6.2	6.4	
4H	5.2	5.8	5.5	6.0	6.3	5.2	5.8	5.5	6.1	6.3	
6H	5.2	5.7	5.5	6.0	6.3	5.2	5.7	5.5	6.0	6.3	
8H	5.2	5.7	5.5	6.0	6.3	5.1	5.7	5.5	6.0	6.3	
12H	5.2	5.7	5.5	6.0	6.3	5.1	5.6	5.5	5.9	6.3	
4H 2H	5.0	5.6	5.3	5.8	6.1	5.2	5.8	5.5	6.1	6.3	
3H	4.9	5.4	5.3	5.7	6.1	5.1	5.6	5.4	5.9	6.2	
4H	4.9	5.4	5.3	5.7	6.1	5.0	5.4	5.4	5.8	6.1	
6H	4.9	5.4	5.4	5.7	6.1	4.9	5.3	5.3	5.7	6.1	
8H	4.9	5.3	5.4	5.7	6.1	4.9	5.3	5.3	5.7	6.1	
12H	4.9	5.3	5.4	5.7	6.1	4.9	5.2	5.3	5.6	6.1	
8H 4H	4.8	5.2	5.2	5.6	6.0	4.8	5.2	5.3	5.6	6.0	
6H	4.8	5.1	5.3	5.6	6.0	4.8	5.1	5.2	5.5	6.0	
8H	4.8	5.1	5.3	5.6	6.1	4.8	5.0	5.2	5.5	6.0	
12H	4.9	5.1	5.4	5.6	6.1	4.8	5.0	5.3	5.5	6.0	
12H 4H	4.7	5.1	5.2	5.5	5.9	4.8	5.1	5.2	5.5	6.0	
6H	4.8	5.0	5.3	5.5	6.0	4.7	5.0	5.2	5.5	6.0	
8H	4.8	5.0	5.3	5.5	6.1	4.7	5.0	5.2	5.5	6.0	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.5 / - 4.4					+ 2.8 / - 7.2					
1.5H	+ 4.6 / - 5.5					+ 5.1 / - 7.3					
2.0H	+ 4.0 / - 2.6					+ 4.2 / - 2.0					

CIE Pub.117, 1095 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:2021-08-12

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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

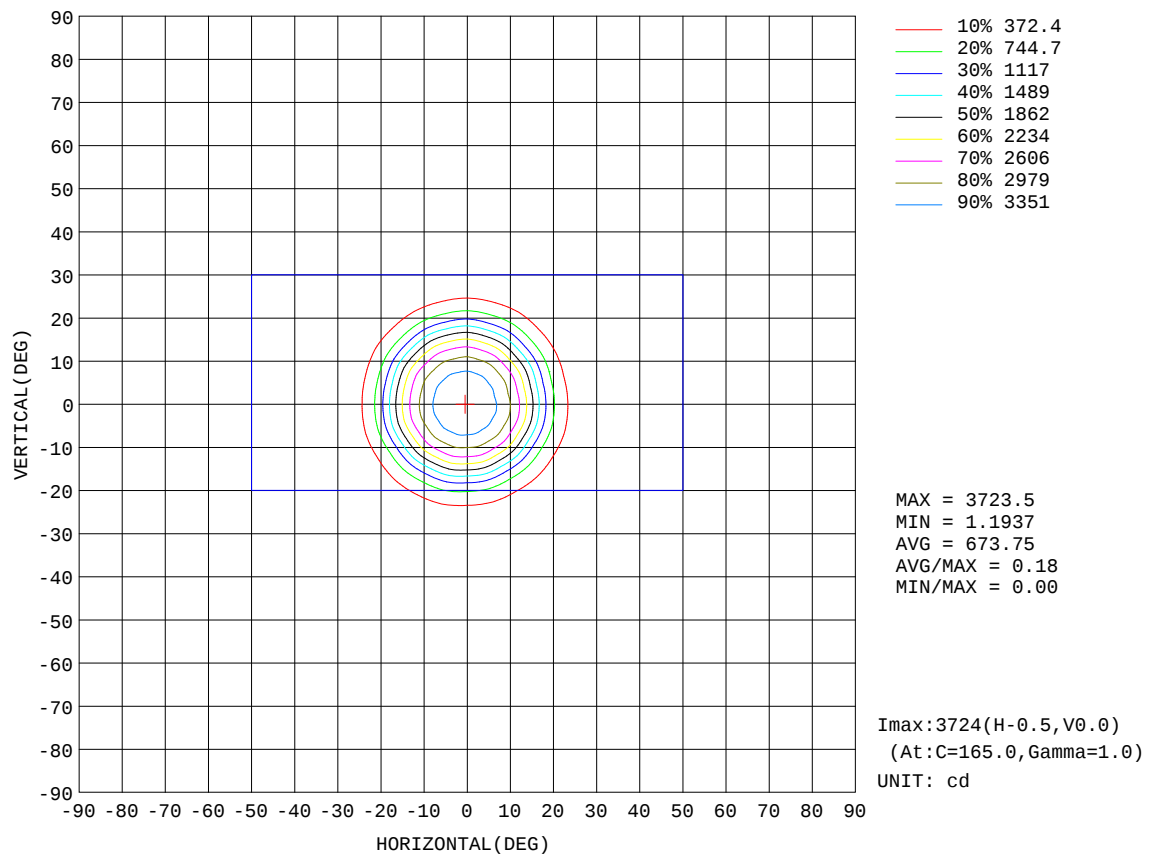
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	89	84	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	88	94	90	87	83
1.00	100	95	92	99	95	91	97	94	91	87
1.25	104	99	96	103	98	95	100	97	94	90
1.50	106	102	99	105	101	98	102	99	97	92
2.00	109	105	102	107	104	101	104	101	99	93
2.50	110	107	104	108	105	103	105	102	101	94
3.00	112	108	106	110	107	105	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										
SHRNM = 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-VF61SA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

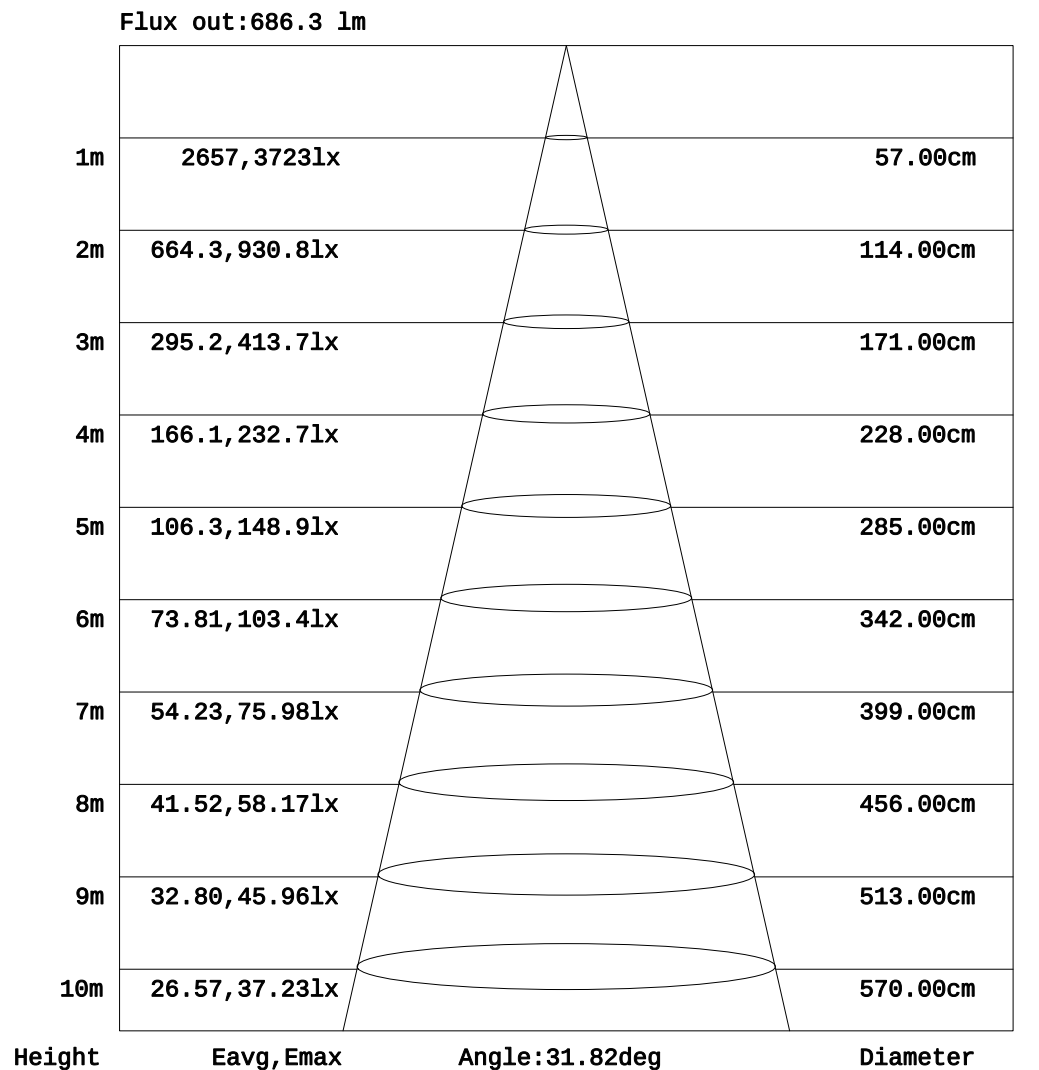


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



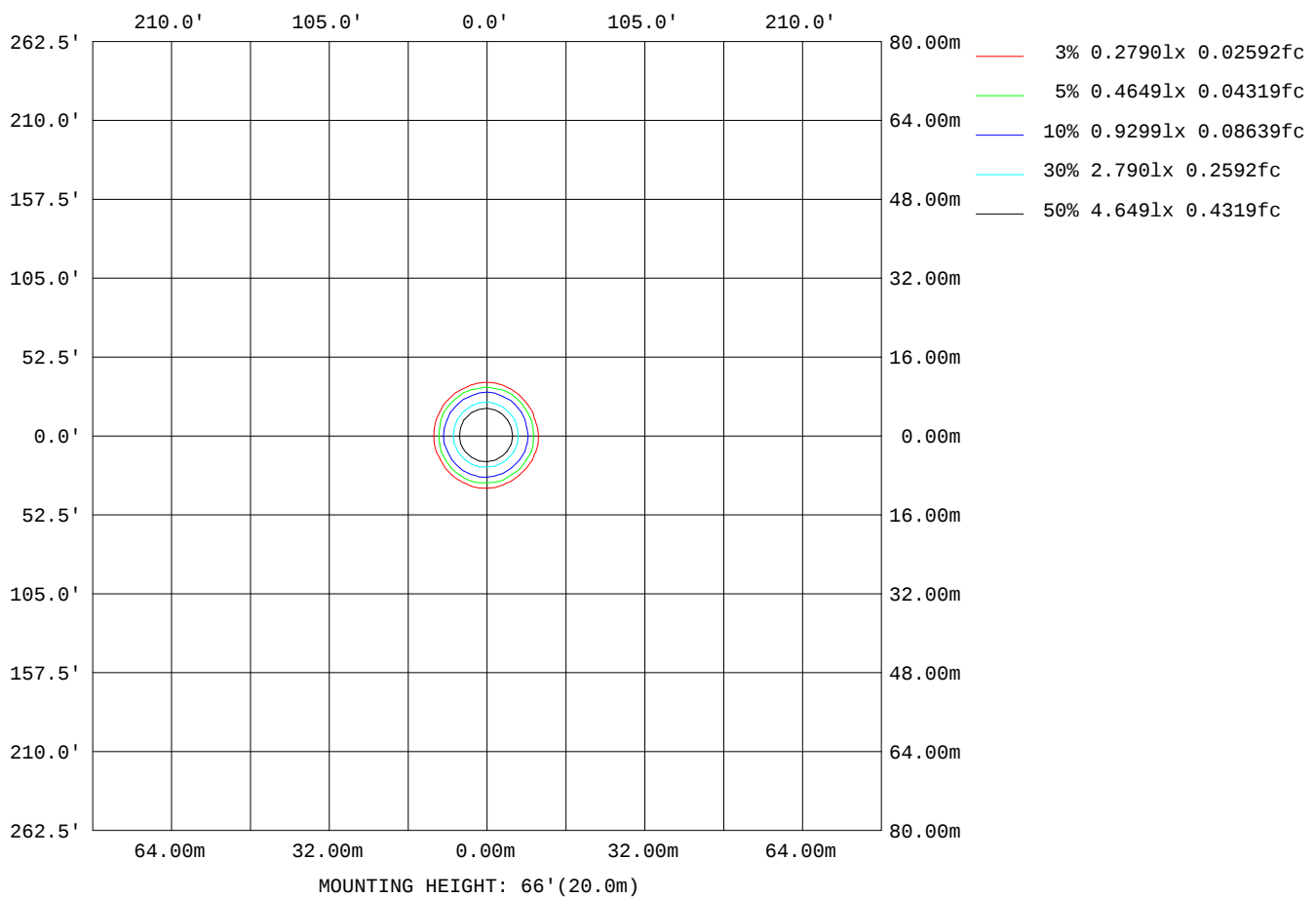
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-VF61SA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

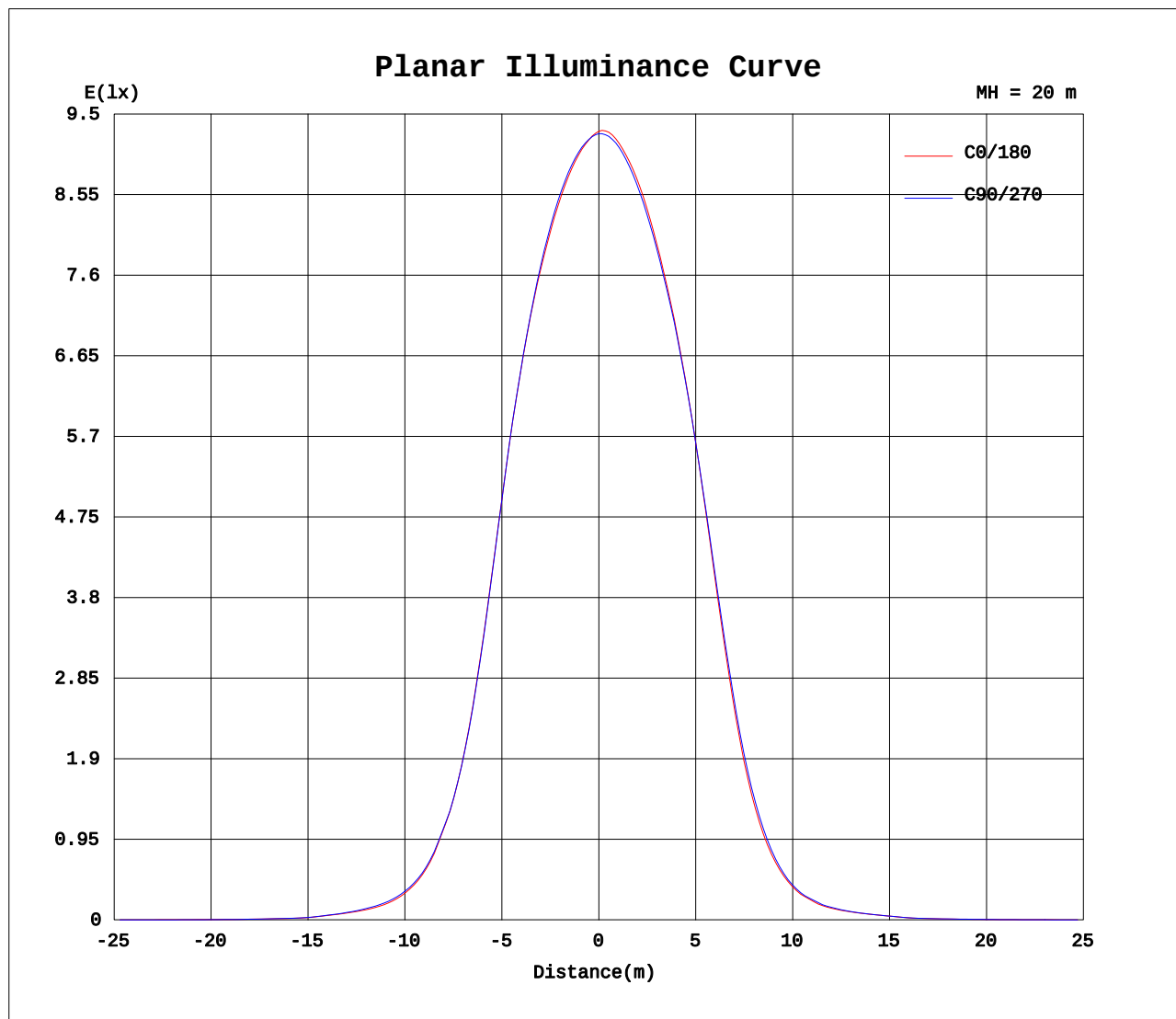
AvgL	cd/m2
L_0~180(65)av	768
L_0~180(75)av	1002
L_0~180(85)av	765
L_90~270(65)av	141
L_90~270(75)av	213
L_90~270(85)av	717
L_45(65)av	248
L_45(75)av	279
L_45(85)av	741

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
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 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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	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	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708	3708
5	3492	3499	3488	3504	3502	3522	3524	3549	3551	3573	3567	3585	3572	3563	3574	3560	3570	3553	3558
10	2969	2982	2948	2974	2955	2993	2985	3037	3040	3090	3091	3138	3117	3108	3135	3111	3127	3097	3106
15	1923	1932	1860	1897	1851	1924	1923	2022	2032	2138	2156	2262	2245	2246	2312	2278	2310	2251	2260
20	779	781	732	746	722	776	783	850	857	930	939	1030	1022	1020	1088	1057	1094	1044	1065
25	250	261	248	251	243	261	263	290	289	304	300	327	318	325	349	330	339	328	338
30	89.9	94.3	93.8	96.6	95.4	100	100	108	108	110	105	107	104	106	114	112	115	110	111
35	38.5	42.9	45.1	46.2	46.3	44.9	40.4	46.9	50.9	52.1	51.3	51.4	48.5	50.2	53.4	52.5	53.4	51.0	49.5
40	12.7	12.7	15.4	18.3	16.6	13.1	12.5	13.5	19.1	25.0	25.1	17.5	15.6	15.9	26.2	26.4	26.9	17.3	16.5
45	5.35	5.75	6.65	7.92	6.77	5.31	4.46	5.44	7.15	9.68	9.16	8.02	7.12	7.48	8.64	9.95	9.27	7.63	6.95
50	2.00	1.86	2.72	3.56	2.49	1.20	0.85	1.21	2.67	4.51	3.95	2.71	2.38	2.97	4.25	5.20	4.33	2.59	2.05
55	1.45	1.00	0.85	0.93	0.54	0.39	0.36	0.39	0.56	1.18	1.03	0.99	1.31	1.48	1.51	1.90	1.38	0.91	0.85
60	1.34	0.77	0.61	0.41	0.33	0.27	0.26	0.26	0.31	0.42	0.64	0.78	1.14	2.47	1.13	0.76	0.72	0.68	0.64
65	1.34	0.39	0.45	0.32	0.31	0.21	0.20	0.22	0.28	0.31	0.47	0.42	1.00	4.07	2.80	0.45	0.40	0.28	0.23
70	1.67	0.34	0.41	0.31	0.28	0.22	0.20	0.21	0.25	0.31	0.40	0.35	1.28	3.71	0.72	0.22	0.19	0.20	0.18
75	0.89	0.34	0.39	0.32	0.27	0.24	0.21	0.24	0.25	0.32	0.38	0.34	0.97	1.63	0.19	0.20	0.19	0.20	0.19
80	0.55	0.31	0.34	0.28	0.27	0.25	0.23	0.25	0.25	0.29	0.32	0.31	0.56	0.21	0.33	0.19	0.19	0.20	0.20
85	0.25	0.27	0.27	0.27	0.27	0.26	0.24	0.26	0.25	0.27	0.26	0.27	0.23	0.20	0.23	0.19	0.20	0.20	0.21
90	0.26	0.30	0.28	0.28	0.27	0.27	0.25	0.27	0.26	0.31	0.28	0.31	0.24	0.24	0.26	0.20	0.22	0.21	0.22
95	0.62	0.34	0.39	0.35	0.29	0.30	0.27	0.30	0.28	0.39	0.42	0.35	0.45	0.72	0.35	0.23	0.25	0.24	0.26
100	0.80	0.44	0.52	0.46	0.35	0.33	0.29	0.32	0.33	0.47	0.52	0.47	0.62	1.34	0.49	0.27	0.28	0.27	0.29
105	0.98	0.62	0.57	0.49	0.41	0.39	0.33	0.36	0.38	0.47	0.54	0.59	0.96	1.54	0.57	0.31	0.32	0.31	0.33
110	1.30	0.67	0.60	0.47	0.46	0.47	0.42	0.44	0.42	0.49	0.54	0.61	1.23	1.98	0.69	0.36	0.38	0.37	0.37
115	1.71	0.81	0.72	0.51	0.48	0.60	0.54	0.58	0.48	0.54	0.63	0.68	1.65	2.65	0.88	0.44	0.48	0.50	0.51
120	1.12	1.10	1.01	0.85	0.95	0.86	0.83	0.84	0.89	0.77	0.85	0.91	0.99	1.00	0.85	0.71	0.82	0.81	0.84
125	1.92	1.85	1.86	1.83	1.93	1.85	1.80	1.79	1.76	1.63	1.58	1.51	1.60	1.60	1.50	1.51	1.77	1.66	1.58
130	3.52	3.50	3.67	3.77	3.83	3.65	3.55	3.51	3.55	3.40	3.23	3.02	3.09	3.11	3.08	3.67	4.15	3.23	3.10
135	6.03	6.04	6.35	6.27	6.32	6.12	5.99	5.94	5.98	5.75	5.75	5.40	5.44	5.56	12.6	6.09	8.39	5.41	5.37
140	11.3	9.41	9.27	8.92	8.96	8.94	8.86	8.75	8.61	8.39	8.58	8.65	10.5	15.2	20.4	8.09	19.4	8.23	8.13
145	14.2	12.2	12.0	11.8	11.9	11.8	11.8	11.6	11.5	11.3	11.4	11.5	13.8	18.8	11.0	11.0	10.9	11.3	11.8
150	14.5	14.5	14.5	14.4	14.5	14.5	14.5	14.3	14.3	14.1	14.1	14.0	14.0	13.9	13.8	13.8	13.8	13.9	13.9
155	16.0	16.1	16.0	16.0	16.2	16.1	16.1	16.1	16.2	16.0	15.9	16.0	16.0	16.0	15.9	15.9	15.9	16.1	16.0
160	16.3	16.2	16.0	16.1	16.3	16.3	16.3	16.4	16.5	16.5	16.4	16.7	16.8	16.5	16.8	16.8	16.8	16.9	17.2
165	15.0	15.0	14.7	14.8	15.0	15.2	15.3	15.6	15.5	15.4	15.5	15.7	15.7	15.7	15.8	15.8	15.8	16.0	16.1
170	13.0	12.9	12.8	12.8	12.9	13.1	13.3	13.5	13.5	13.6	13.8	14.0	13.9	14.0	14.1	14.0	14.0	13.9	13.9
175	11.6	11.5	11.5	11.7	11.7	11.7	11.7	11.9	12.1	12.4	12.5	12.5	12.3	12.4	12.6	12.6	12.5	12.3	12.3
180	11.7	11.7	11.8	11.9	11.8	11.7	11.7	11.7	11.8	12.1	11.9	11.9	11.7	11.7	11.8	11.9	11.8	11.7	11.8

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-VF61SA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	3708	3708	3708	3708	3708														
5	3538	3536	3509	3505	3487														
10	3069	3066	3014	3007	2956														
15	2176	2157	2050	2023	1912														
20	994	983	890	861	776														
25	318	315	281	271	244														
30	108	108	97.9	94.6	87.3														
35	49.7	50.0	46.9	46.3	40.8														
40	16.1	22.7	21.3	18.9	13.0														
45	7.15	8.30	9.34	8.13	5.88														
50	2.39	3.81	4.68	3.51	1.98														
55	0.89	1.21	1.56	1.22	1.32														
60	0.68	0.73	0.72	1.66	3.47														
65	0.27	0.37	0.42	3.41	3.93														
70	0.20	0.20	0.21	0.44	3.47														
75	0.19	0.20	0.20	0.21	0.65														
80	0.19	0.20	0.20	0.22	0.21														
85	0.19	0.21	0.20	0.22	0.21														
90	0.21	0.23	0.21	0.25	0.24														
95	0.24	0.26	0.24	0.38	0.50														
100	0.28	0.30	0.29	0.48	1.30														
105	0.32	0.35	0.34	0.69	1.45														
110	0.37	0.42	0.41	0.85	1.91														
115	0.53	0.54	0.52	0.72	2.58														
120	0.89	0.94	0.85	1.01	1.22														
125	1.77	2.01	1.79	1.79	1.98														
130	3.30	4.39	3.80	3.58	3.68														
135	5.59	8.14	6.20	14.7	6.41														
140	8.42	21.1	8.63	21.3	16.1														
145	11.4	11.3	11.6	11.7	19.9														
150	14.1	14.1	14.2	14.3	14.5														
155	16.1	16.0	16.0	16.1	16.1														
160	16.8	16.6	16.6	16.6	16.1														
165	15.8	15.5	15.2	15.1	14.9														
170	13.7	13.6	13.3	13.2	13.1														
175	12.2	12.3	12.2	11.9	11.8														
180	11.7	11.8	12.1	11.9	11.9														

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: