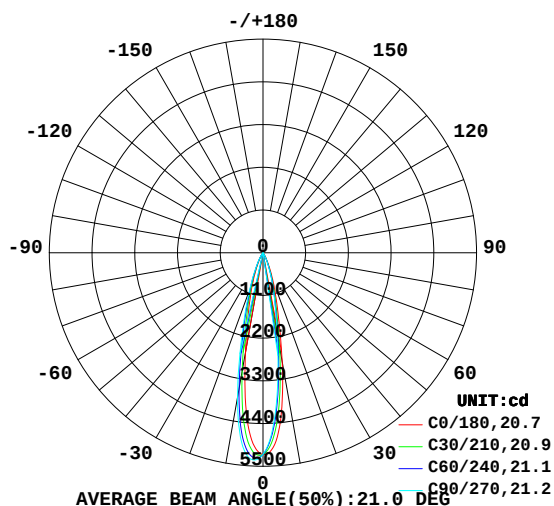


LUMINAIRE PHOTOMETRIC TEST REPORT

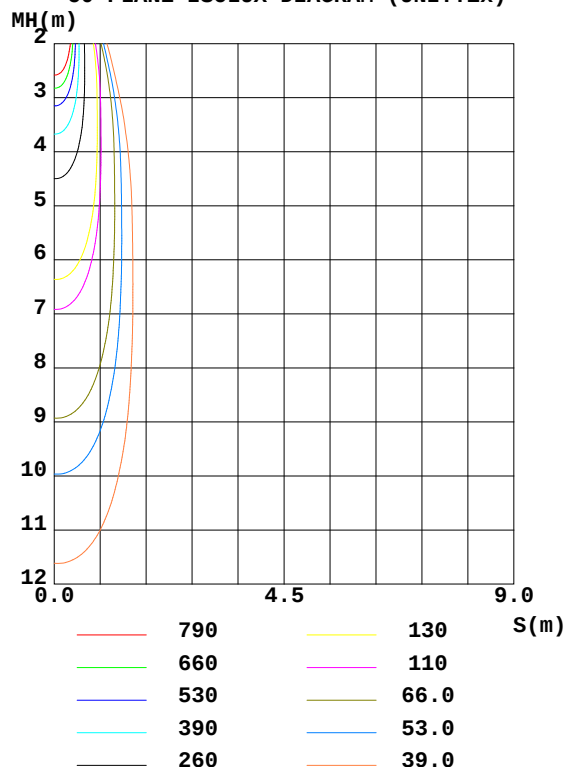
NAME: VM060-VF61RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.52 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5343	S/MH(C0/180)	0.35
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1020.8	η UP, DN(C0-180)	1.4, 41.3
NOMINAL FLUX(lm)	1020.77	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 56.1
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	97.4	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: 2021-08-12

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:

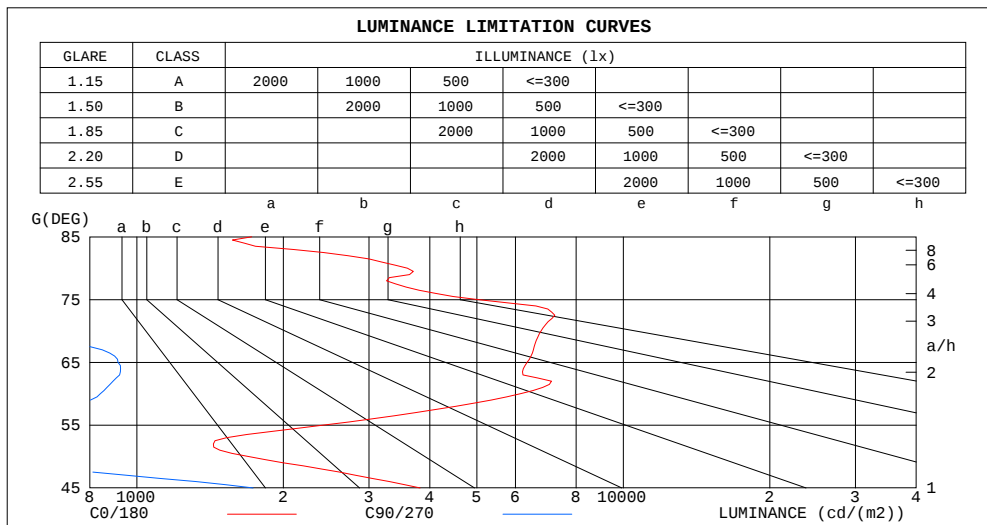
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2850	2362	2118	2288	2609	3276	3782	3394	0- 10	376.6	376.6	36.9,36.9
20	730.5	588.6	547.6	592.8	700.8	851.9	993.8	938.8	10- 20	412.8	789.4	77.3,77.3
30	132.1	104.5	89.81	91.90	132.8	174.7	196.8	170.3	20- 30	165.2	954.6	93.5,93.5
40	14.09	10.73	9.321	9.262	12.62	16.04	17.61	14.77	30- 40	31.32	985.9	96.6,96.6
50	3.035	1.865	0.9553	0.6848	1.343	2.763	2.733	2.309	40- 50	4.965	990.9	97.1,97.1
60	8.579	1.542	1.192	0.7753	0.5750	1.457	0.8396	1.124	50- 60	1.379	992.3	97.2,97.2
70	6.465	0.3826	0.1807	0.3220	0.2388	0.1516	0.1498	0.1763	60- 70	1.351	993.6	97.3,97.3
80	1.744	0.2702	0.1775	0.2398	0.1919	0.1478	0.1618	0.1777	70- 80	0.6121	994.2	97.4,97.4
90	0.3001	0.2398	0.2042	0.2646	0.2335	0.1757	0.1929	0.1843	80- 90	0.2416	994.5	97.4,97.4
100	3.392	0.6770	0.2370	0.5043	0.3361	0.2359	0.2703	0.2753	90-100	0.5100	995.0	97.5,97.5
110	0.9138	0.6568	0.4561	0.5241	0.4189	0.3053	0.3458	0.3396	100-110	0.6205	995.6	97.5,97.5
120	1.353	0.9302	0.9649	0.9292	0.8757	0.6454	0.6743	0.6367	110-120	0.6456	996.3	97.6,97.6
130	2.667	3.384	3.615	3.564	2.853	2.403	2.140	2.431	120-130	1.520	997.8	97.7,97.7
140	8.110	8.821	9.396	8.863	8.613	7.192	6.693	7.199	130-140	4.043	1002	98.1,98.1
150	13.43	13.88	14.28	13.94	13.71	12.96	12.62	12.90	140-150	6.869	1009	98.8,98.8
160	16.12	15.19	15.60	15.30	15.81	15.57	16.60	16.51	150-160	6.848	1016	99.5,99.5
170	12.45	11.40	11.47	11.94	12.82	13.24	13.66	12.94	160-170	4.147	1020	99.9,99.9
180	10.05	10.16	10.15	10.43	10.09	10.14	10.18	10.42	170-180	1.082	1021	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-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1722	807
80	3598	361
75	5017	244
70	6774	186
65	6342	914
60	6149	841
55	2423	644
50	1692	524
45	3821	1733

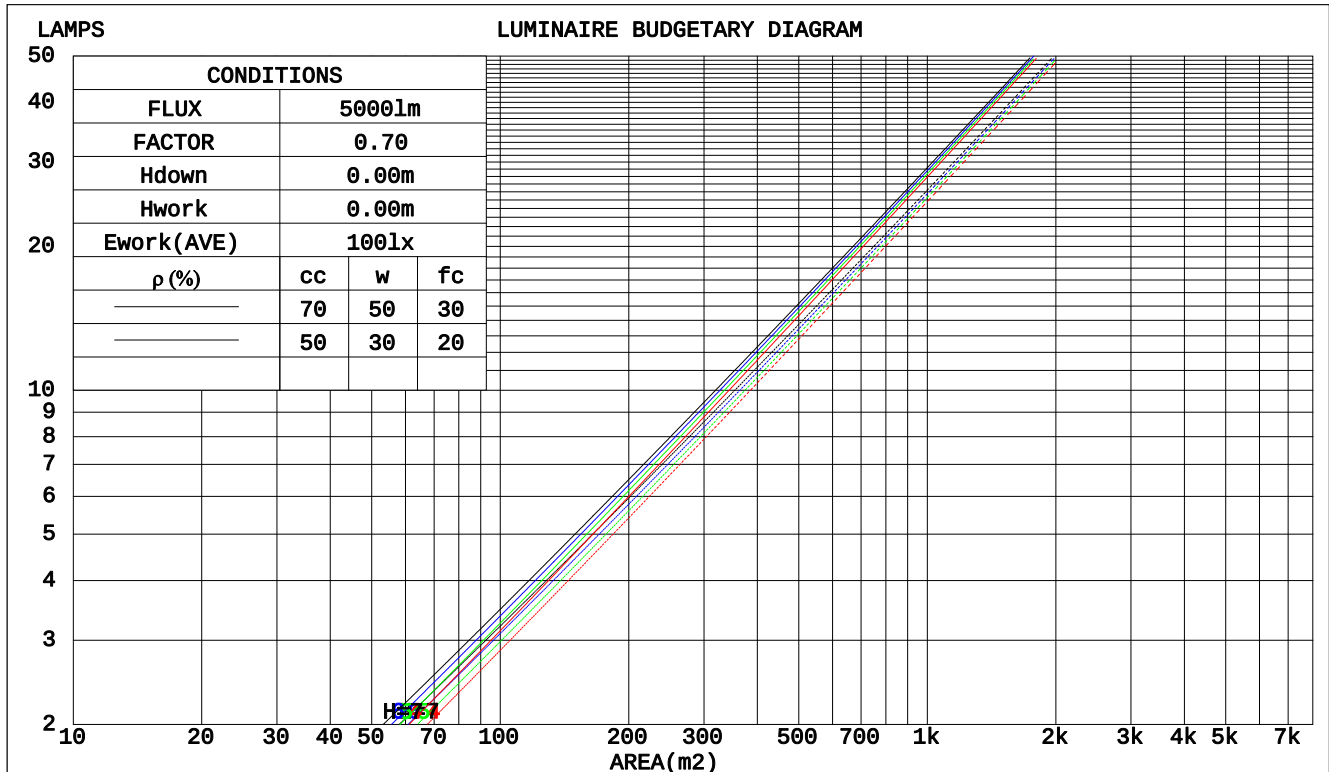
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-CRI90-15D	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	1.04	1.04	1.04	.00	.00	.00	.97
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	.98	.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	.88	.86	.84	.83
6.0	.91	.87	.84	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.84	.82	.81
7.0	.89	.84	.81	.88	.84	.81	.86	.83	.81	.85	.82	.80	.84	.81	.79	.78
8.0	.86	.82	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.82	.79	.77	.76
9.0	.83	.79	.77	.83	.79	.76	.82	.78	.76	.81	.78	.76	.80	.77	.75	.74
10.0	.81	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.74	.78	.75	.73	.73



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-vF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	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	.138	.079	.025	.131	.075	.024	.117	.067	.021	.104	.060	.019	.093	.054	.017		
2.0	.128	.070	.021	.122	.067	.021	.110	.061	.019	.099	.056	.017	.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	.105	.053	.015	.101	.052	.015	.094	.049	.014	.087	.046	.014	.081	.043	.013		
6.0	.099	.050	.014	.096	.048	.014	.089	.046	.013	.083	.043	.013	.078	.041	.012		
7.0	.094	.046	.013	.091	.045	.013	.085	.043	.012	.080	.041	.012	.075	.039	.012		
8.0	.089	.044	.012	.087	.043	.012	.082	.041	.012	.077	.039	.011	.073	.037	.011		
9.0	.085	.041	.012	.083	.040	.011	.079	.039	.011	.075	.037	.011	.071	.036	.010		
10.0	.082	.039	.011	.080	.038	.011	.076	.037	.010	.072	.036	.010	.068	.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	.210	.210	.210	.180	.180	.180	.123	.123	.123	.070	.070	.070	.023	.023	.023	
1.0	.188	.177	.168	.161	.152	.144	.110	.105	.100	.063	.061	.058	.020	.020	.019	
2.0	.170	.153	.138	.146	.131	.119	.100	.091	.083	.058	.053	.049	.018	.017	.016	
3.0	.155	.133	.116	.133	.115	.100	.091	.080	.070	.053	.047	.041	.017	.015	.014	
4.0	.143	.118	.099	.123	.102	.086	.084	.071	.061	.049	.042	.036	.016	.014	.012	
5.0	.133	.106	.086	.114	.092	.075	.078	.064	.053	.045	.038	.031	.015	.012	.010	
6.0	.124	.096	.076	.106	.083	.066	.073	.058	.047	.043	.034	.028	.014	.011	.009	
7.0	.116	.088	.068	.100	.076	.059	.069	.053	.042	.040	.031	.025	.013	.010	.008	
8.0	.110	.081	.061	.094	.070	.053	.065	.049	.038	.038	.029	.023	.012	.010	.007	
9.0	.104	.075	.056	.090	.065	.049	.062	.046	.035	.036	.027	.021	.012	.009	.007	
10.0	.099	.071	.052	.085	.061	.045	.059	.043	.032	.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-CRI90-15D						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		7.9	8.5	8.1	8.7	8.9	4.4	5.0	4.6	5.2	5.4
3H		9.8	10.4	10.1	10.6	10.9	4.3	4.9	4.6	5.1	5.3
4H		10.7	11.3	11.0	11.5	11.8	4.2	4.8	4.5	5.0	5.3
6H		10.9	11.4	11.2	11.7	12.0	4.2	4.7	4.5	5.0	5.2
8H		10.9	11.4	11.2	11.7	12.0	4.1	4.6	4.5	4.9	5.2
12H		10.9	11.4	11.2	11.7	12.0	4.1	4.6	4.5	4.9	5.2
4H 2H		7.7	8.3	8.0	8.5	8.8	4.3	4.8	4.6	5.1	5.3
3H		9.7	10.2	10.1	10.5	10.8	4.2	4.7	4.5	5.0	5.3
4H		10.7	11.1	11.0	11.5	11.8	4.1	4.6	4.5	4.9	5.3
6H		10.9	11.3	11.3	11.6	12.0	4.1	4.5	4.5	4.8	5.2
8H		10.9	11.3	11.3	11.6	12.1	4.0	4.4	4.5	4.8	5.2
12H		10.9	11.2	11.3	11.6	12.1	4.0	4.4	4.5	4.8	5.2
8H 4H		10.5	10.9	10.9	11.3	11.7	4.1	4.5	4.6	4.9	5.3
6H		10.7	11.0	11.2	11.4	11.9	4.1	4.4	4.5	4.8	5.3
8H		10.7	11.0	11.2	11.5	11.9	4.1	4.4	4.6	4.8	5.3
12H		10.7	10.9	11.2	11.4	11.9	4.1	4.4	4.6	4.8	5.4
12H 4H		10.4	10.8	10.9	11.2	11.6	4.1	4.4	4.5	4.8	5.3
6H		10.6	10.9	11.1	11.4	11.9	4.1	4.3	4.5	4.8	5.3
8H		10.7	10.9	11.2	11.4	11.9	4.1	4.3	4.6	4.8	5.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.9 / - 0.5					+ 2.1 / - 3.5				
1.5H		+ 2.0 / - 0.6					+ 3.9 / - 3.1				
2.0H		+ 1.8 / - 1.7					+ 1.5 / - 1.8				

CIE Pub.117, 1021 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.1$)

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

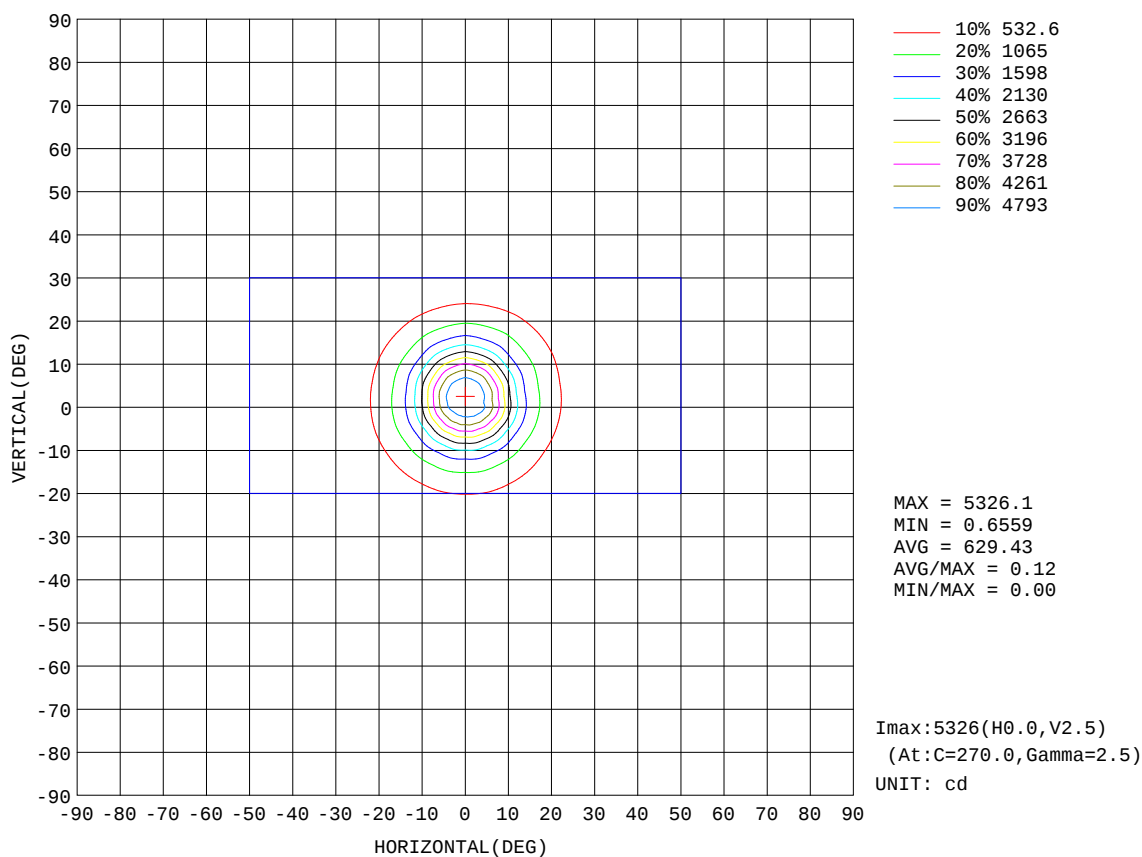
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	90	84	80	89	83	80	88	83	80	77
0.80	96	91	88	96	91	88	94	90	87	84
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	104	101	99	93
2.50	110	107	104	108	105	103	105	103	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	97
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										
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-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

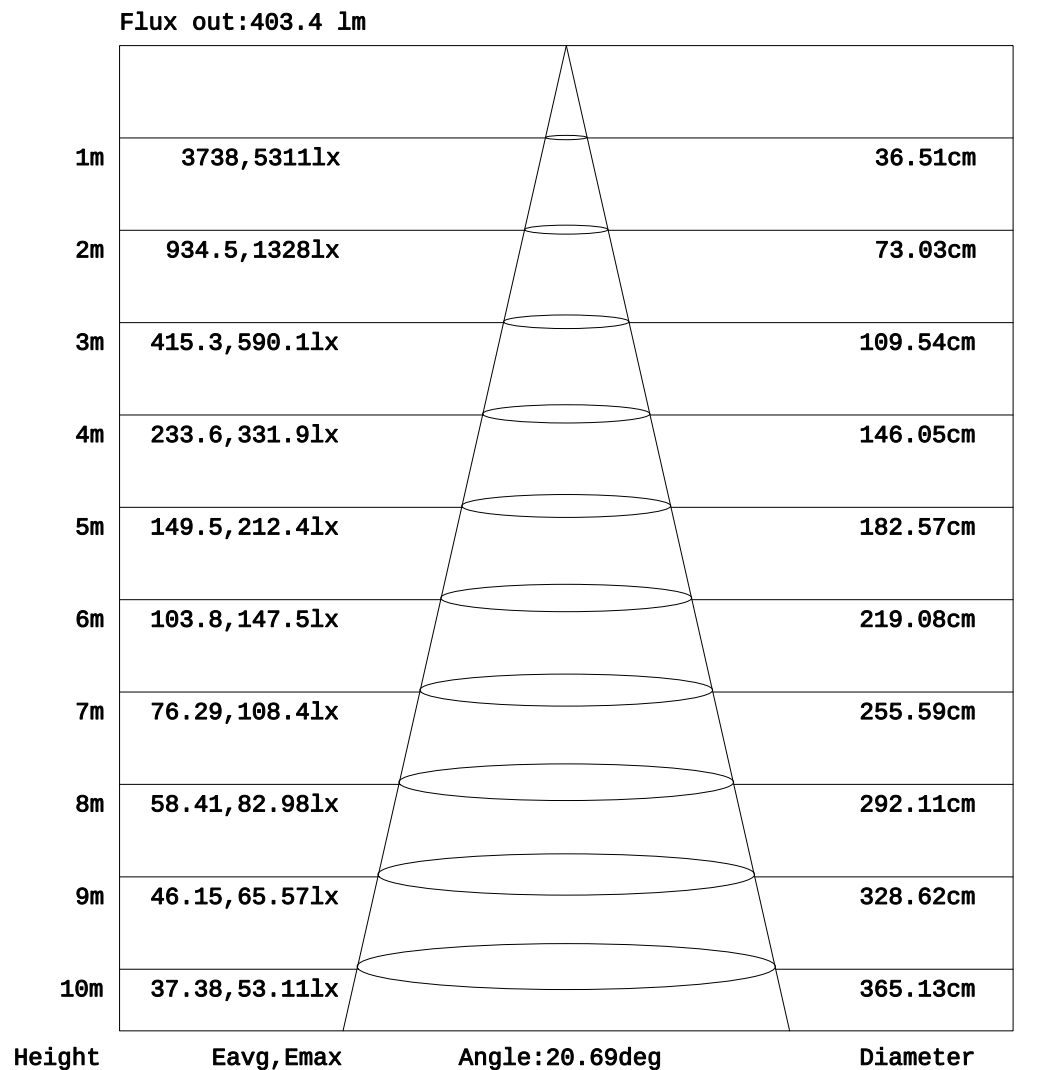


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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



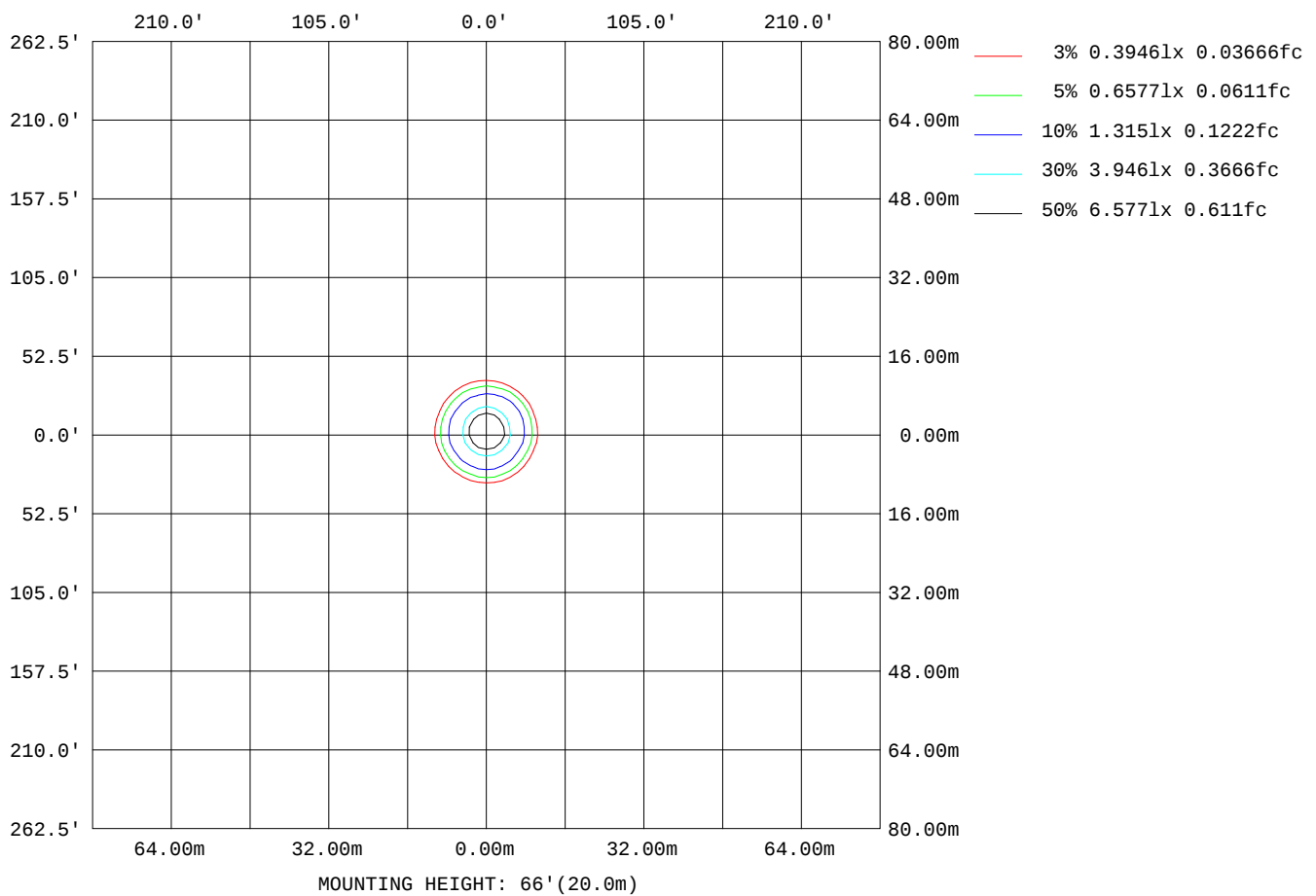
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

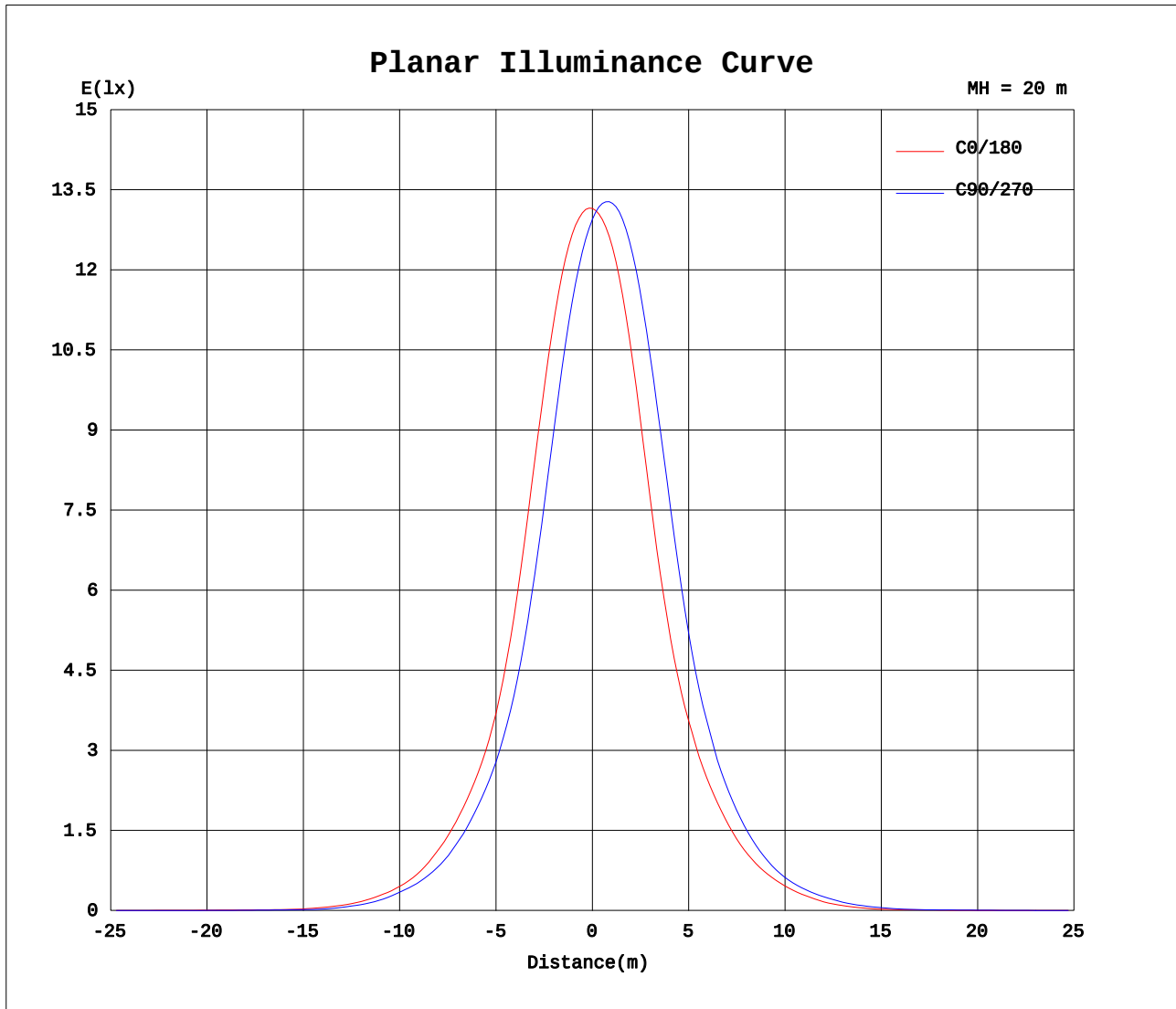
AvgL	cd/m2
L_0~180(65)av	3318
L_0~180(75)av	2624
L_0~180(85)av	1276
L_90~270(65)av	719
L_90~270(75)av	227
L_90~270(85)av	765
L_45(65)av	519
L_45(75)av	363
L_45(85)av	848

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-CRI90-15D	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	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195	5195
5	4625	4497	4295	4194	4040	4007	3928	3982	3992	4124	4203	4392	4449	4582	4789	4895	5051	5098	5179
10	2850	2701	2460	2362	2207	2191	2118	2169	2163	2288	2347	2546	2609	2780	3086	3276	3554	3644	3782
15	1404	1321	1210	1177	1115	1111	1084	1112	1119	1183	1223	1321	1362	1424	1588	1680	1854	1902	1994
20	730	664	603	589	566	561	548	556	562	593	621	677	701	739	815	852	929	943	994
25	325	299	270	268	257	259	250	255	256	281	295	320	329	345	379	397	431	436	453
30	132	124	109	105	96.2	95.4	89.8	91.1	87.6	91.9	97.0	120	133	143	164	175	191	191	197
35	41.5	37.1	30.8	27.9	23.7	23.4	21.4	21.2	19.7	20.4	21.6	30.1	36.3	43.5	53.1	58.8	64.5	66.7	68.2
40	14.1	13.3	11.9	10.7	9.47	9.70	9.32	9.37	9.18	9.26	9.22	11.1	12.6	14.2	15.7	16.0	16.2	16.9	17.6
45	7.54	7.18	6.05	5.06	4.20	4.02	3.47	3.42	3.22	3.33	3.53	4.62	5.52	6.68	8.08	8.23	8.14	8.28	8.49
50	3.03	2.99	2.55	1.86	1.54	1.21	0.96	0.75	0.68	0.68	0.73	0.94	1.34	1.96	2.68	2.76	2.71	2.64	2.73
55	3.88	2.76	2.31	1.76	1.54	1.26	1.05	0.86	0.70	0.62	0.58	0.61	0.84	1.21	1.54	1.57	1.19	0.91	0.83
60	8.58	5.78	2.37	1.54	1.60	1.42	1.19	1.00	0.87	0.78	0.61	0.52	0.57	0.80	1.22	1.46	1.06	0.81	0.84
65	7.48	4.92	1.76	0.47	1.53	1.36	1.10	0.96	0.93	0.87	0.68	0.56	0.45	0.38	0.44	0.96	0.76	0.66	0.62
70	6.46	4.90	1.97	0.38	0.24	0.19	0.18	0.18	0.26	0.32	0.32	0.28	0.24	0.18	0.22	0.15	0.14	0.15	0.15
75	3.62	3.17	0.44	0.43	0.27	0.19	0.18	0.19	0.25	0.31	0.31	0.25	0.22	0.17	0.16	0.15	0.14	0.15	0.15
80	1.74	0.40	0.33	0.27	0.23	0.20	0.18	0.20	0.22	0.24	0.29	0.25	0.19	0.17	0.16	0.15	0.16	0.15	0.16
85	0.42	0.24	0.24	0.27	0.21	0.21	0.20	0.20	0.20	0.23	0.23	0.24	0.21	0.18	0.18	0.16	0.17	0.15	0.18
90	0.30	0.24	0.24	0.24	0.21	0.22	0.20	0.21	0.21	0.26	0.24	0.25	0.23	0.20	0.21	0.18	0.19	0.17	0.19
95	3.49	0.46	0.53	0.45	0.27	0.24	0.21	0.23	0.24	0.34	0.36	0.26	0.27	0.23	0.24	0.20	0.22	0.20	0.23
100	3.39	2.88	2.06	0.68	0.33	0.26	0.24	0.27	0.30	0.50	0.52	0.32	0.34	0.26	0.27	0.24	0.26	0.24	0.27
105	1.03	1.73	2.24	0.74	0.39	0.30	0.29	0.33	0.38	0.52	0.54	0.51	0.38	0.29	0.30	0.27	0.29	0.27	0.30
110	0.91	1.15	1.08	0.66	0.45	0.55	0.46	0.47	0.48	0.52	0.54	0.53	0.42	0.33	0.34	0.31	0.34	0.32	0.35
115	1.02	1.17	0.97	0.58	0.53	0.82	0.76	0.72	0.61	0.58	0.69	0.69	0.53	0.44	0.43	0.41	0.45	0.40	0.45
120	1.35	1.44	1.24	0.93	0.95	1.00	0.96	1.02	1.10	0.93	1.04	1.05	0.88	0.75	0.69	0.65	0.68	0.63	0.67
125	2.43	1.97	1.73	1.69	1.85	1.93	1.92	2.02	1.93	1.78	1.70	1.59	1.52	1.40	1.29	1.24	1.18	1.16	1.14
130	2.67	2.82	3.09	3.38	3.57	3.57	3.62	3.63	3.72	3.56	3.19	2.89	2.85	2.67	2.51	2.40	2.22	2.19	2.14
135	4.89	5.19	5.68	5.95	6.18	6.26	6.26	6.34	6.32	6.03	5.87	5.35	5.27	5.01	4.66	4.39	4.13	4.05	3.97
140	8.11	8.40	8.83	8.82	9.12	9.38	9.40	9.47	9.21	8.86	8.96	8.61	8.61	8.24	7.60	7.19	7.53	6.82	6.69
145	11.3	11.5	11.7	11.7	12.0	12.1	12.3	12.2	12.1	11.8	11.7	11.6	11.6	11.3	10.6	10.3	10.0	9.93	9.94
150	13.4	13.6	13.8	13.9	14.1	14.2	14.3	14.2	14.2	13.9	13.9	13.7	13.7	13.5	13.2	13.0	12.8	12.7	12.6
155	14.8	15.1	15.0	15.1	15.3	15.4	15.3	15.4	15.3	15.1	15.1	15.2	15.2	15.0	14.9	14.7	14.7	14.8	14.5
160	16.1	15.8	15.1	15.2	15.3	15.4	15.6	15.4	15.3	15.3	15.3	15.6	15.8	15.5	15.7	15.6	15.6	15.9	16.6
165	15.0	15.1	14.2	13.7	13.8	14.0	14.1	14.1	14.0	14.1	14.2	14.6	14.8	14.9	15.0	15.0	15.2	15.4	15.7
170	12.4	12.2	11.7	11.4	11.3	11.4	11.5	11.6	11.7	11.9	12.3	12.7	12.8	13.0	13.3	13.2	13.5	13.5	13.7
175	10.5	10.3	9.99	9.97	9.88	9.69	9.72	9.90	10.2	10.5	10.8	11.0	10.8	11.0	11.3	11.4	11.5	11.4	11.5
180	10.1	9.99	10.0	10.2	10.0	9.99	10.1	10.1	10.2	10.4	10.4	10.4	10.1	9.96	10.0	10.1	10.1	9.99	10.2

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

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	5195	5195	5195	5195	5195														
5	5131	5098	4963	4877	4702														
10	3690	3642	3394	3243	2959														
15	1923	1882	1716	1637	1463														
20	977	998	939	902	797														
25	448	467	441	410	351														
30	184	180	170	160	137														
35	65.0	62.2	55.2	49.9	42.6														
40	16.9	16.6	14.8	13.9	13.9														
45	8.15	8.03	7.43	7.50	7.39														
50	2.38	2.35	2.31	2.63	2.86														
55	0.72	0.71	1.09	1.54	3.38														
60	0.74	0.74	1.12	1.56	5.79														
65	0.16	0.31	0.18	0.35	4.18														
70	0.16	0.24	0.18	0.41	3.65														
75	0.16	0.18	0.18	0.20	2.27														
80	0.16	0.17	0.18	0.18	0.21														
85	0.17	0.18	0.18	0.19	0.19														
90	0.17	0.20	0.18	0.21	0.21														
95	0.21	0.24	0.23	0.26	0.48														
100	0.26	0.29	0.28	0.35	2.13														
105	0.28	0.31	0.30	0.41	0.48														
110	0.33	0.36	0.34	0.42	0.55														
115	0.44	0.45	0.38	0.69	0.76														
120	0.70	0.71	0.64	1.07	1.27														
125	1.26	1.22	1.23	1.33	2.46														
130	2.30	2.31	2.43	2.48	2.67														
135	4.17	4.28	4.43	4.64	5.01														
140	6.95	7.00	7.20	7.60	8.28														
145	9.92	10.01	10.3	10.6	11.4														
150	12.7	12.7	12.9	13.1	13.4														
155	14.5	14.6	14.6	14.7	14.8														
160	15.6	15.6	16.5	16.7	15.3														
165	15.4	15.1	14.8	14.7	14.6														
170	13.4	13.3	12.9	12.9	12.7														
175	11.4	11.4	11.3	11.1	10.9														
180	10.1	10.2	10.4	10.4	10.4														

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: