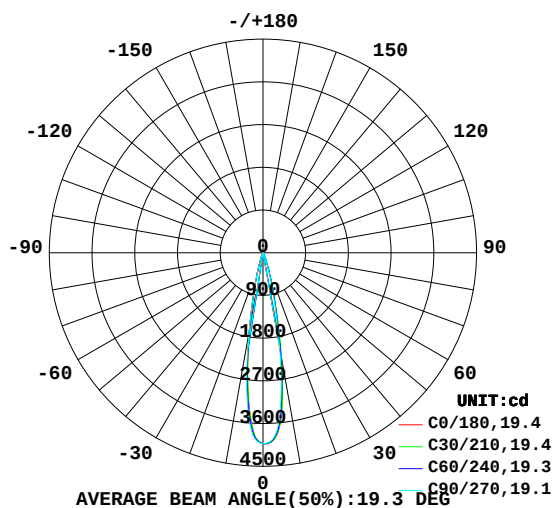


LUMINAIRE PHOTOMETRIC TEST REPORT

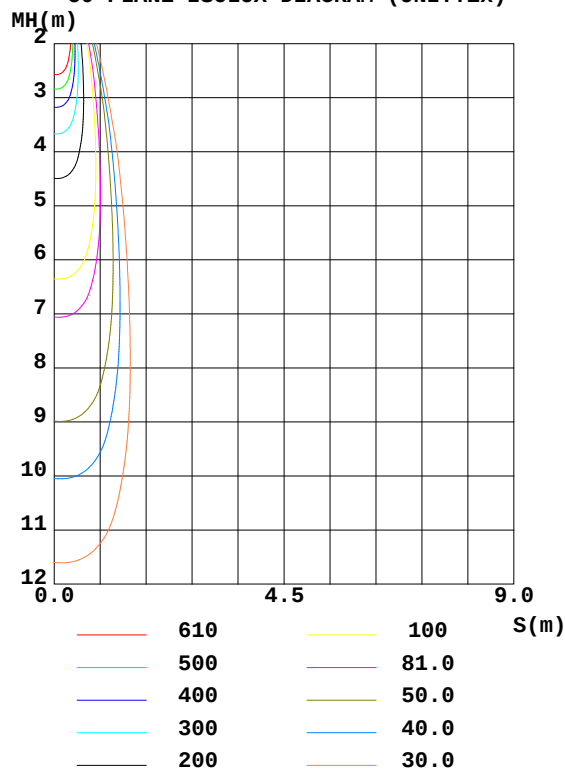
NAME: VM060-VF62RA04-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 42.07 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	4030	S/MH(C0/180)	0.30
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.31
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	565.84	η UP, DN(C0-180)	1.2, 51.9
NOMINAL FLUX(lm)	565.839	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 45.6
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	97.5	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: 2021-08-09

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:

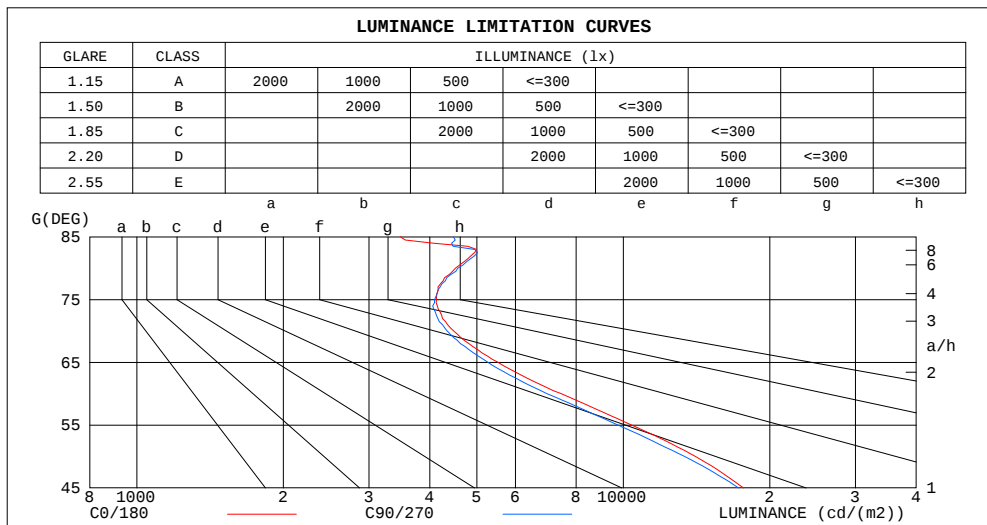
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2216	2244	2017	1880	1636	1583	1714	1888	0- 10	282.8	282.8	50,50
20	276.4	280.9	240.2	209.7	169.5	160.7	172.9	206.8	10- 20	202.7	485.6	85.8,85.8
30	36.20	34.35	31.55	33.10	33.48	34.47	33.18	33.42	20- 30	38.46	524.0	92.6,92.6
40	13.40	13.21	13.09	13.94	14.64	15.55	14.61	13.90	30- 40	13.48	537.5	95,95
50	6.448	6.252	6.149	6.508	7.117	7.695	7.344	6.961	40- 50	7.626	545.1	96.3,96.3
60	2.659	2.596	2.494	2.506	2.673	2.764	2.747	2.740	50- 60	3.973	549.1	97,97
70	1.093	1.063	1.063	1.058	1.075	1.062	1.031	1.079	60- 70	1.681	550.8	97.3,97.3
80	0.5595	0.5467	0.5682	0.5841	0.5829	0.5937	0.5451	0.5426	70- 80	0.8158	551.6	97.5,97.5
90	0.1278	0.1284	0.1259	0.1273	0.1298	0.1217	0.1304	0.1224	80- 90	0.3292	551.9	97.5,97.5
100	0.1431	0.1633	0.1435	0.1616	0.1784	0.1543	0.1745	0.1548	90-100	0.1525	552.1	97.6,97.6
110	0.1956	0.2091	0.1877	0.1993	0.2113	0.1830	0.2033	0.1925	100-110	0.1878	552.3	97.6,97.6
120	0.2750	0.2980	0.2739	0.2991	0.3261	0.2974	0.3029	0.2809	110-120	0.2272	552.5	97.6,97.6
130	0.9776	0.9480	1.005	1.089	1.387	1.394	1.257	1.182	120-130	0.5211	553.0	97.7,97.7
140	4.049	4.008	4.201	4.414	4.973	4.979	4.770	4.547	130-140	1.993	555.0	98.1,98.1
150	7.751	7.725	7.879	7.981	8.251	8.264	8.187	8.045	140-150	3.993	559.0	98.8,98.8
160	8.805	8.817	9.159	8.948	8.966	8.961	9.058	8.891	150-160	4.007	563.0	99.5,99.5
170	6.636	6.456	6.676	6.463	6.508	6.365	6.480	6.354	160-170	2.316	565.3	99.9,99.9
180	4.298	4.277	4.133	4.219	4.296	4.271	4.133	4.228	170-180	0.5144	565.8	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:2021-08-09

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-VF62RA04-15W	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	3480	4473
80	4516	4570
75	4128	4092
70	4478	4343
65	5525	5269
60	7456	6968
55	10404	9747
50	14063	13362
45	17668	17249

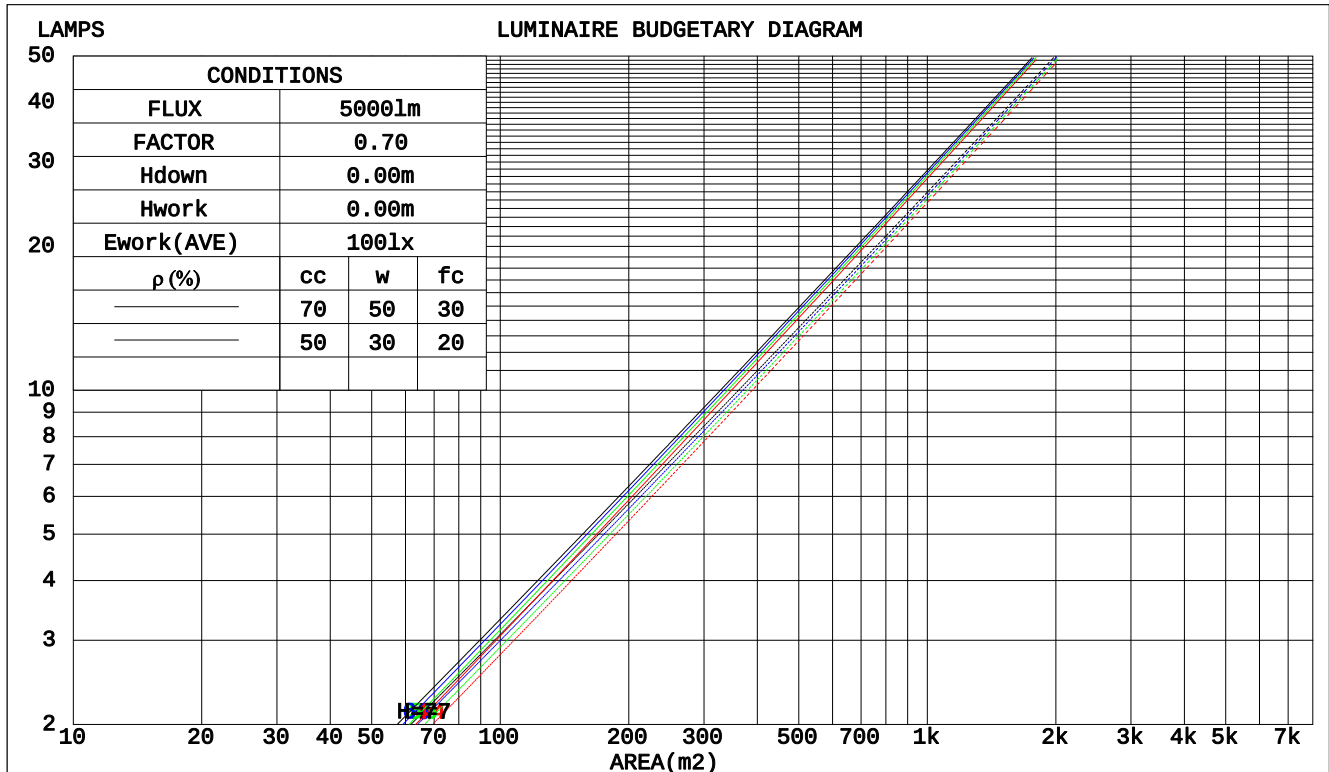
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA04-15W	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	1.13	1.11	1.09	1.10	1.09	1.07	1.06	1.05	1.04	1.02	1.01	1.00	.98	.97	.97	.95
2.0	1.08	1.05	1.03	1.06	1.03	1.01	1.02	1.00	.99	.99	.98	.96	.96	.95	.94	.92
3.0	1.04	1.00	.98	1.02	.99	.97	.99	.97	.95	.97	.95	.93	.94	.93	.92	.90
4.0	1.00	.96	.94	.99	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.88
5.0	.97	.93	.90	.96	.93	.90	.94	.91	.89	.92	.90	.88	.91	.89	.87	.86
6.0	.94	.91	.88	.93	.90	.87	.92	.89	.87	.91	.88	.86	.89	.87	.85	.84
7.0	.92	.88	.85	.91	.88	.85	.90	.87	.85	.89	.86	.84	.88	.85	.84	.83
8.0	.90	.86	.83	.89	.86	.83	.88	.85	.83	.87	.84	.82	.86	.84	.82	.81
9.0	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.85	.82	.80	.80
10.0	.86	.82	.80	.85	.82	.80	.85	.82	.80	.84	.81	.79	.83	.81	.79	.78



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA04-15W	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	.131	.074	.024	.123	.070	.022	.110	.063	.020	.097	.056	.018	.085	.049	.016		
2.0	.120	.066	.020	.114	.063	.019	.102	.057	.018	.092	.051	.016	.082	.046	.015		
3.0	.111	.059	.018	.105	.056	.017	.096	.052	.016	.087	.048	.015	.079	.044	.013		
4.0	.103	.053	.016	.098	.051	.015	.090	.048	.014	.082	.044	.013	.075	.041	.012		
5.0	.096	.049	.014	.092	.047	.014	.085	.044	.013	.078	.041	.012	.072	.039	.012		
6.0	.090	.045	.013	.087	.044	.013	.081	.041	.012	.075	.039	.011	.069	.037	.011		
7.0	.085	.042	.012	.082	.041	.012	.077	.039	.011	.072	.037	.011	.067	.035	.010		
8.0	.080	.039	.011	.078	.038	.011	.073	.036	.010	.069	.035	.010	.064	.033	.010		
9.0	.076	.037	.010	.074	.036	.010	.070	.034	.010	.066	.033	.009	.062	.032	.009		
10.0	.072	.035	.010	.071	.034	.010	.067	.033	.009	.063	.031	.009	.060	.030	.009		

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	.187	.177	.167	.160	.152	.144	.109	.104	.100	.063	.060	.058	.020	.019	.019	
2.0	.168	.152	.138	.144	.131	.119	.099	.090	.083	.057	.053	.049	.018	.017	.016	
3.0	.153	.132	.116	.131	.114	.101	.090	.079	.071	.052	.046	.042	.017	.015	.014	
4.0	.140	.117	.099	.120	.101	.086	.083	.070	.061	.048	.041	.036	.015	.013	.012	
5.0	.129	.105	.086	.111	.090	.075	.076	.063	.053	.044	.037	.032	.014	.012	.010	
6.0	.120	.094	.076	.103	.082	.066	.071	.057	.047	.041	.034	.028	.013	.011	.009	
7.0	.112	.086	.068	.096	.075	.059	.066	.052	.042	.039	.031	.025	.012	.010	.008	
8.0	.105	.079	.062	.090	.069	.054	.062	.048	.038	.036	.028	.023	.012	.009	.008	
9.0	.099	.073	.056	.085	.064	.049	.059	.045	.035	.034	.026	.021	.011	.009	.007	
10.0	.094	.069	.052	.081	.060	.045	.056	.042	.032	.033	.025	.019	.011	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA04-15W						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						13.6	14.1	13.8	14.3	14.5	13.4
3H						13.8	14.3	14.1	14.5	14.8	13.6
4H						13.9	14.4	14.2	14.6	14.9	13.7
6H						14.0	14.4	14.3	14.7	15.0	13.8
8H						14.0	14.5	14.3	14.8	15.1	13.8
12H						14.0	14.5	14.4	14.8	15.1	13.9
4H 2H						13.6	14.1	13.9	14.4	14.6	13.4
3H						13.9	14.4	14.2	14.7	15.0	13.7
4H						14.0	14.5	14.4	14.8	15.1	13.9
6H						14.2	14.6	14.6	14.9	15.3	14.1
8H						14.3	14.7	14.7	15.0	15.5	14.2
12H						14.4	14.7	14.8	15.1	15.5	14.2
8H 4H						14.0	14.4	14.4	14.7	15.2	13.8
6H						14.3	14.6	14.7	15.0	15.5	14.1
8H						14.4	14.7	14.9	15.2	15.6	14.3
12H						14.5	14.8	15.1	15.3	15.8	14.4
12H 4H						14.0	14.3	14.4	14.7	15.1	13.8
6H						14.3	14.5	14.8	15.0	15.5	14.1
8H						14.5	14.7	15.0	15.2	15.7	14.4
Variations with the observer position at spacings:											
S = 1.0H						+ 1.1 / - 1.4			+ 1.0 / - 1.4		
1.5H						+ 1.6 / - 1.1			+ 1.4 / - 1.0		
2.0H						+ 1.9 / - 1.8			+ 1.9 / - 1.7		

CIE Pub.117, 565.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.0)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA04-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

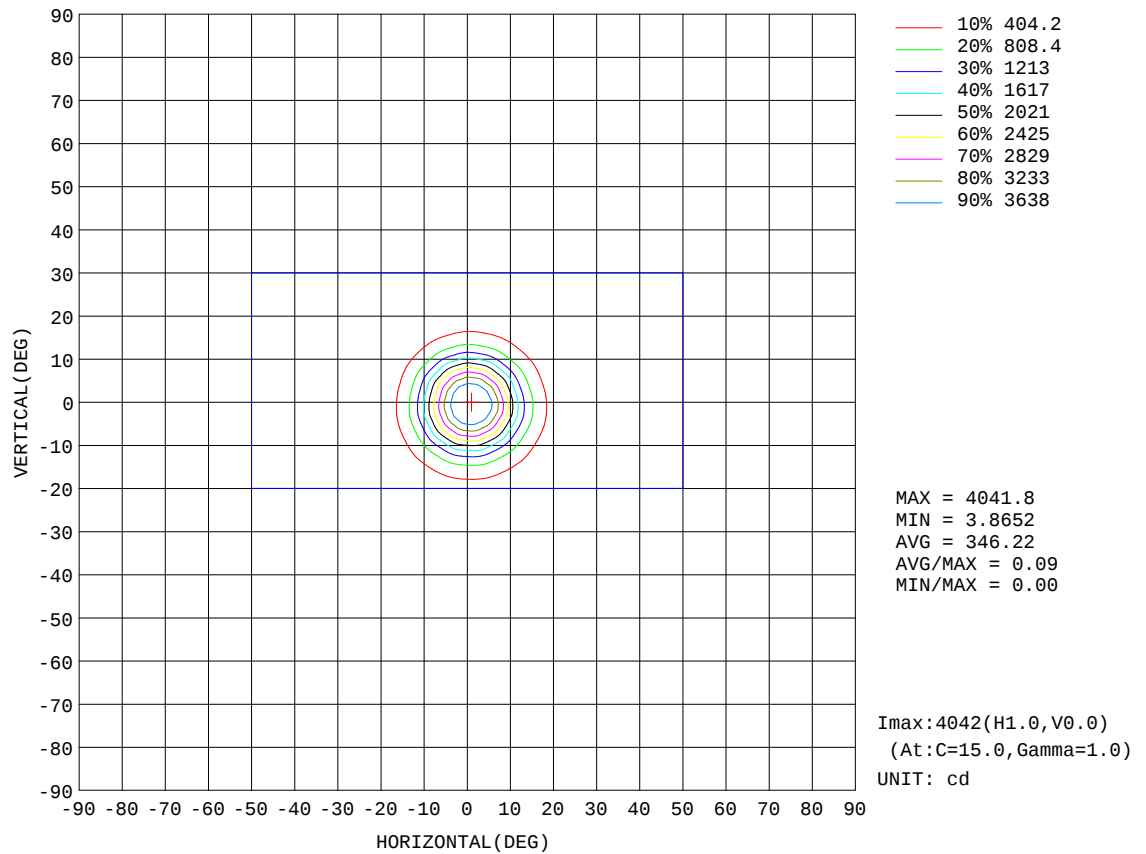
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	82	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	86	93	89	86	82
1.00	100	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	95	100	96	94	89
1.50	106	101	98	105	101	98	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	106	109	107	104	106	104	102	95
4.00	113	111	109	111	109	107	107	105	104	96
5.00	115	113	111	112	110	109	108	107	105	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:2021-08-09

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-VF62RA04-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

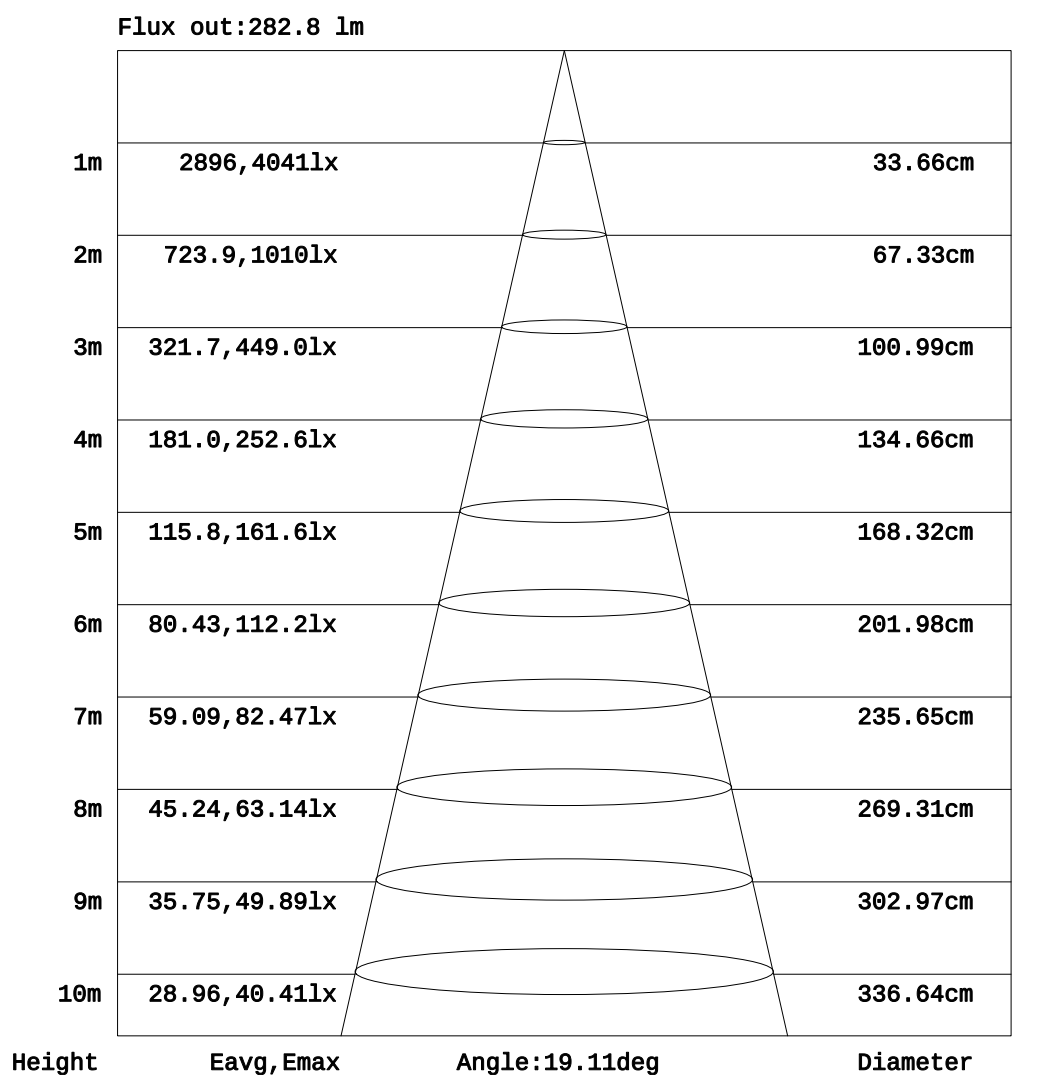


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-09

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-VF62RA04-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



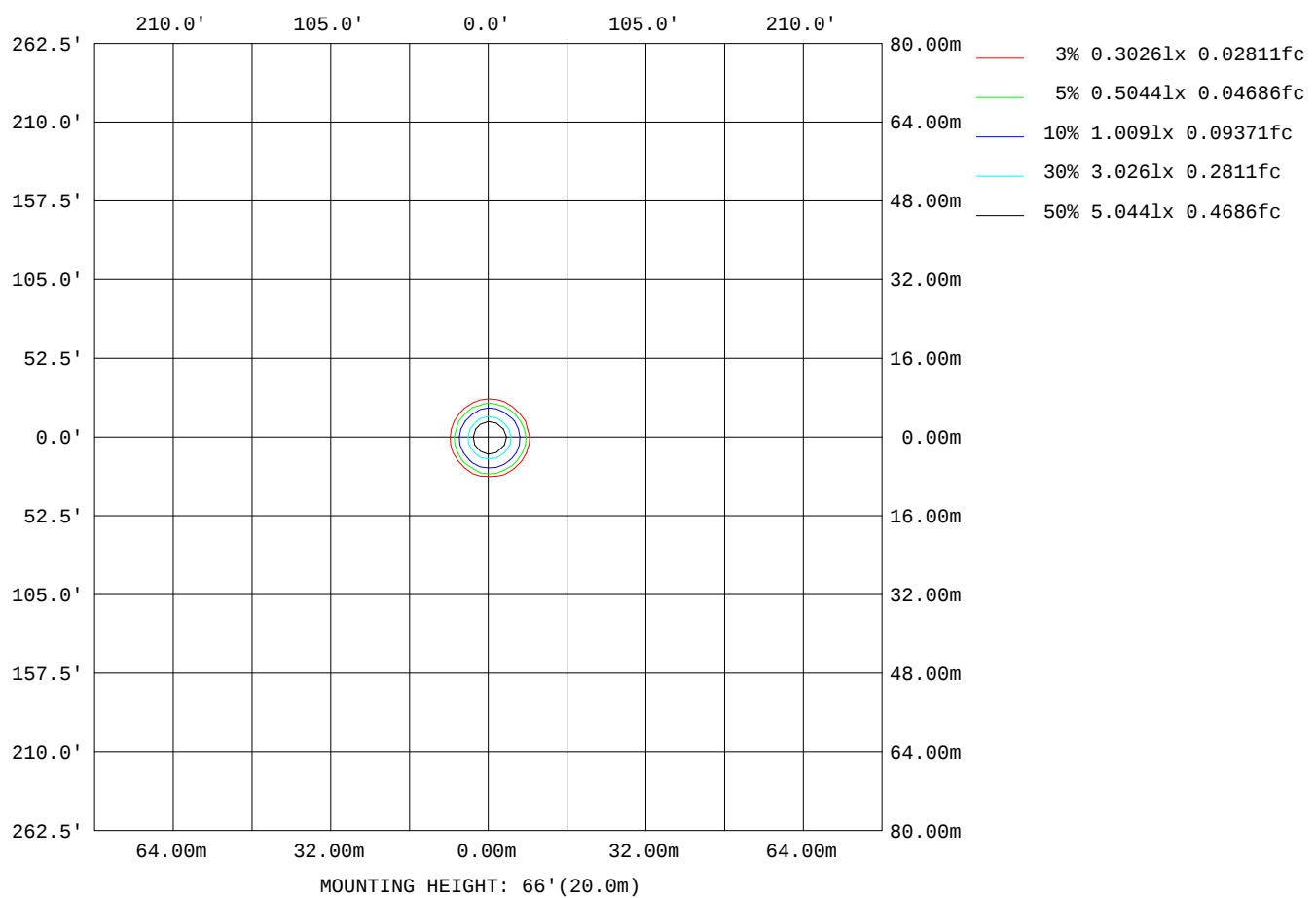
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA04-15W	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: 2021-08-09

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-VF62RA04-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

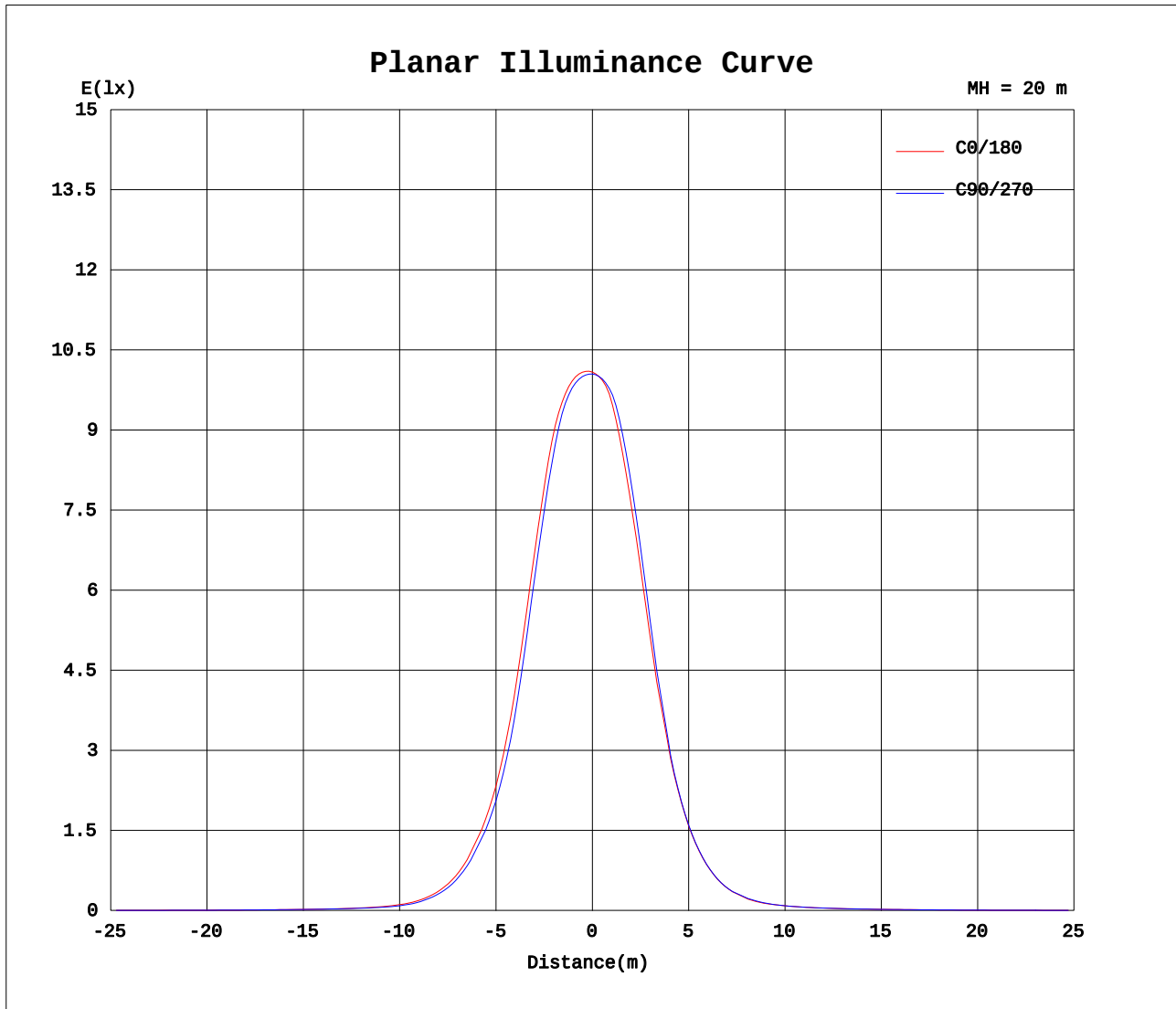
AvgL	cd/m2
L_0~180(65)av	5456
L_0~180(75)av	4140
L_0~180(85)av	3478
L_90~270(65)av	5340
L_90~270(75)av	3964
L_90~270(85)av	4355
L_45(65)av	5381
L_45(75)av	4079
L_45(85)av	4347

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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: 2021-08-09

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-VF62RA04-15W	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	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020	4020
5	3758	3785	3749	3762	3717	3724	3656	3642	3549	3523	3418	3395	3304	3265	3320	3310	3386	3388	3470
10	2216	2297	2216	2244	2135	2140	2017	2018	1895	1880	1749	1748	1636	1566	1632	1583	1659	1610	1714
15	842	880	840	841	790	793	746	742	687	675	627	604	557	543	544	536	541	542	564
20	276	290	279	281	260	258	240	238	217	210	188	181	170	162	167	161	166	162	173
25	84.7	88.0	83.0	83.3	77.0	76.6	70.2	69.8	67.2	65.3	63.6	63.3	62.1	62.7	63.6	64.1	64.4	64.2	64.2
30	36.2	36.5	34.7	34.3	32.7	32.5	31.6	32.1	32.0	33.1	33.1	33.7	33.5	33.8	34.6	34.5	34.4	33.2	33.2
35	20.9	20.9	20.0	20.3	19.8	19.9	19.7	20.1	20.1	21.0	21.2	21.6	21.5	21.8	22.4	22.5	22.4	21.5	21.2
40	13.4	13.4	13.0	13.2	13.0	13.1	13.1	13.4	13.5	13.9	14.1	14.6	14.6	15.0	15.5	15.6	15.4	14.8	14.6
45	8.91	8.81	8.65	8.72	8.62	8.73	8.73	8.97	9.15	9.53	9.79	10.3	10.4	10.7	11.2	11.2	11.2	10.7	10.4
50	6.45	6.39	6.22	6.25	6.16	6.23	6.15	6.26	6.28	6.51	6.66	7.00	7.12	7.28	7.62	7.69	7.74	7.43	7.34
55	4.26	4.23	4.11	4.13	4.07	4.10	4.00	4.03	3.98	4.10	4.16	4.36	4.42	4.49	4.67	4.67	4.74	4.59	4.62
60	2.66	2.65	2.56	2.60	2.54	2.59	2.49	2.51	2.44	2.51	2.52	2.66	2.67	2.70	2.79	2.76	2.78	2.71	2.75
65	1.67	1.66	1.60	1.62	1.60	1.63	1.59	1.58	1.55	1.57	1.58	1.64	1.64	1.65	1.68	1.64	1.65	1.61	1.64
70	1.09	1.08	1.06	1.06	1.06	1.07	1.06	1.05	1.05	1.06	1.08	1.09	1.08	1.08	1.07	1.06	1.04	1.03	1.03
75	0.76	0.74	0.75	0.74	0.76	0.75	0.76	0.75	0.78	0.77	0.80	0.79	0.77	0.79	0.76	0.77	0.74	0.73	0.71
80	0.56	0.54	0.55	0.55	0.56	0.55	0.57	0.56	0.59	0.58	0.61	0.61	0.58	0.60	0.58	0.59	0.56	0.57	0.55
85	0.22	0.28	0.29	0.27	0.28	0.27	0.28	0.27	0.28	0.27	0.28	0.28	0.22	0.27	0.25	0.26	0.24	0.26	0.26
90	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.13
95	0.13	0.14	0.13	0.14	0.13	0.14	0.13	0.14	0.13	0.14	0.13	0.14	0.15	0.13	0.15	0.13	0.15	0.13	0.15
100	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.16	0.14	0.16	0.18	0.17	0.17	0.15	0.17	0.15	0.17
105	0.17	0.19	0.17	0.19	0.17	0.19	0.17	0.19	0.17	0.18	0.16	0.18	0.19	0.17	0.19	0.17	0.19	0.17	0.19
110	0.20	0.21	0.19	0.21	0.19	0.21	0.19	0.19	0.18	0.20	0.18	0.19	0.21	0.19	0.20	0.18	0.20	0.18	0.20
115	0.21	0.24	0.22	0.24	0.21	0.24	0.21	0.23	0.21	0.23	0.21	0.23	0.23	0.21	0.23	0.21	0.22	0.20	0.23
120	0.28	0.30	0.28	0.30	0.28	0.29	0.27	0.29	0.28	0.30	0.28	0.30	0.33	0.31	0.32	0.30	0.31	0.28	0.30
125	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.48	0.49	0.51	0.53	0.55	0.62	0.62	0.61	0.60	0.58	0.57	0.56
130	0.98	0.95	0.97	0.95	0.98	0.96	1.01	1.01	1.08	1.09	1.19	1.20	1.39	1.44	1.38	1.39	1.32	1.33	1.26
135	2.16	2.12	2.16	2.14	2.19	2.18	2.25	2.28	2.38	2.43	2.57	2.64	2.94	2.99	2.93	2.93	2.85	2.83	2.74
140	4.05	3.99	4.03	4.01	4.10	4.10	4.20	4.22	4.36	4.41	4.58	4.65	4.97	5.04	4.97	4.98	4.89	4.87	4.77
145	6.12	6.07	6.10	6.10	6.17	6.19	6.28	6.32	6.42	6.48	6.61	6.66	6.92	6.98	6.92	6.94	6.87	6.88	6.79
150	7.75	7.70	7.74	7.73	7.79	7.80	7.88	7.89	7.97	7.98	8.08	8.10	8.25	8.29	8.25	8.26	8.23	8.24	8.19
155	8.63	8.62	8.61	8.63	8.65	8.69	8.75	8.76	8.77	8.79	8.81	8.84	8.93	8.93	8.91	8.90	8.92	8.92	8.92
160	8.81	8.80	8.76	8.82	8.84	8.95	9.16	9.05	8.99	8.95	8.89	8.89	8.97	8.97	8.93	8.96	8.99	9.04	9.06
165	8.15	8.14	8.02	8.12	8.24	8.42	8.48	8.49	8.34	8.20	8.08	8.11	8.15	8.14	8.11	8.10	8.20	8.29	8.36
170	6.64	6.61	6.48	6.46	6.48	6.64	6.68	6.69	6.52	6.46	6.44	6.47	6.51	6.45	6.43	6.36	6.41	6.43	6.48
175	4.98	4.97	4.88	4.92	4.90	4.83	4.79	4.81	4.80	4.88	4.87	4.79	4.84	4.81	4.83	4.85	4.75	4.69	4.65
180	4.30	4.24	4.21	4.28	4.17	4.09	4.13	4.06	4.07	4.22	4.16	4.15	4.30	4.23	4.22	4.27	4.17	4.09	4.13

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-vF62RA04-15W	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	4020	4020	4020	4020	4020														
5	3483	3576	3602	3695	3708														
10	1702	1840	1888	2047	2095														
15	578	626	650	731	770														
20	176	196	207	236	248														
25	64.5	67.8	69.5	75.9	77.9														
30	32.6	33.2	33.4	34.7	34.6														
35	20.9	20.9	20.7	20.9	20.4														
40	14.3	14.3	13.9	13.7	13.2														
45	10.2	10.1	9.67	9.35	8.94														
50	7.23	7.23	6.96	6.79	6.48														
55	4.57	4.62	4.48	4.41	4.24														
60	2.74	2.79	2.74	2.73	2.62														
65	1.64	1.69	1.67	1.68	1.64														
70	1.04	1.06	1.08	1.08	1.06														
75	0.73	0.73	0.74	0.74	0.73														
80	0.54	0.52	0.54	0.52	0.53														
85	0.29	0.27	0.29	0.27	0.28														
90	0.13	0.13	0.12	0.12	0.12														
95	0.13	0.15	0.13	0.15	0.13														
100	0.15	0.17	0.15	0.17	0.16														
105	0.17	0.19	0.17	0.19	0.17														
110	0.19	0.20	0.19	0.21	0.20														
115	0.21	0.23	0.21	0.24	0.22														
120	0.28	0.30	0.28	0.30	0.28														
125	0.55	0.54	0.52	0.51	0.50														
130	1.26	1.19	1.18	1.11	1.10														
135	2.71	2.61	2.56	2.46	2.41														
140	4.74	4.61	4.55	4.41	4.35														
145	6.76	6.65	6.58	6.46	6.40														
150	8.17	8.08	8.05	7.96	7.94														
155	8.88	8.83	8.77	8.75	8.73														
160	9.05	8.95	8.89	8.85	8.89														
165	8.28	8.19	8.06	8.10	8.18														
170	6.42	6.42	6.35	6.45	6.56														
175	4.65	4.74	4.78	4.75	4.86														
180	4.05	4.07	4.23	4.15	4.15														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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: