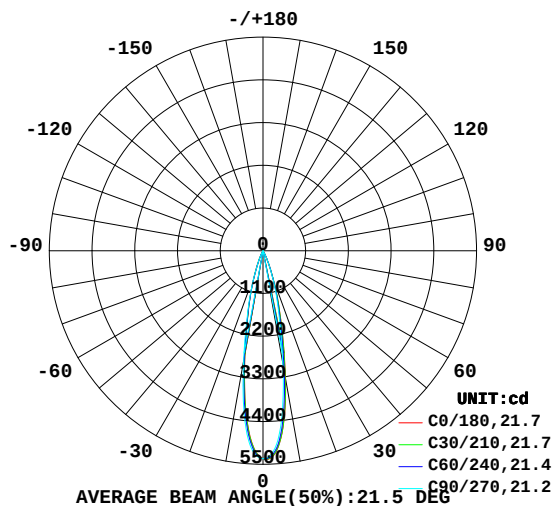


LUMINAIRE PHOTOMETRIC TEST REPORT

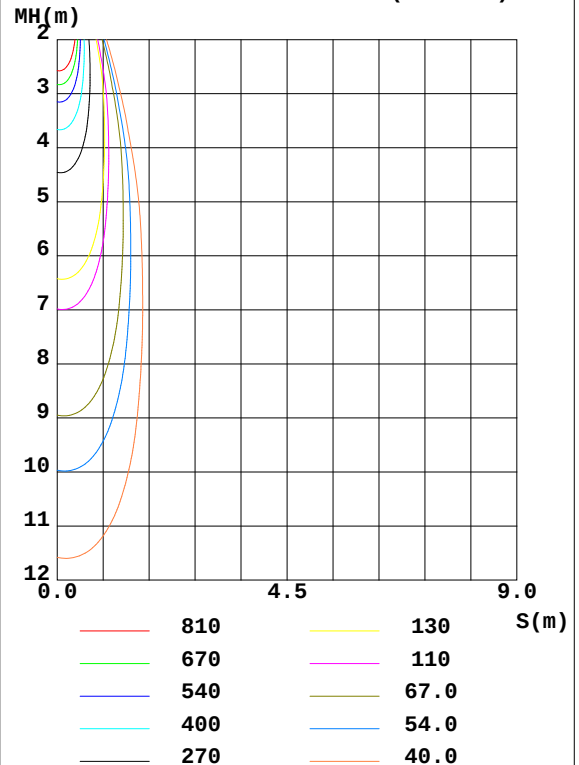
NAME: VM060-VF62RA02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.30 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5379	S/MH(C0/180)	0.34
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.36
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	985.77	η UP, DN(C0-180)	1.2, 50.8
NOMINAL FLUX(lm)	985.765	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 46.7
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: 2021-08-06

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:

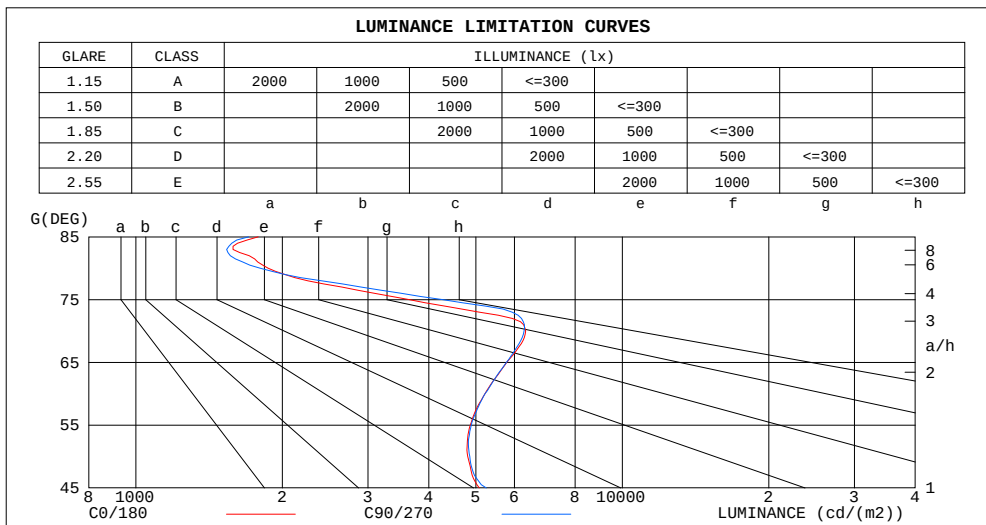
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3330	3303	2941	2816	2674	2669	2885	3089	0- 10	393.6	393.6	39.9,39.9
20	758.0	786.6	706.6	659.6	584.4	545.2	570.1	630.8	10- 20	419.0	812.6	82.4,82.4
30	67.53	72.46	62.42	54.13	42.91	42.92	48.47	56.30	20- 30	115.5	928.1	94.2,94.2
40	11.58	12.54	12.04	11.87	10.46	10.78	11.02	11.47	30- 40	14.25	942.4	95.6,95.6
50	6.059	6.102	6.130	6.248	6.247	6.416	6.364	6.154	40- 50	5.978	948.4	96.2,96.2
60	5.114	5.002	5.124	5.202	5.379	5.620	5.657	5.269	50- 60	5.095	953.5	96.7,96.7
70	4.241	3.923	4.217	4.080	4.320	4.618	4.900	4.234	60- 70	4.869	958.3	97.2,97.2
80	0.6364	0.6618	0.6134	0.5602	0.4030	0.6378	0.7887	0.6972	70- 80	2.456	960.8	97.5,97.5
90	0.2426	0.2343	0.2352	0.2364	0.2250	0.2210	0.2283	0.2320	80- 90	0.3578	961.2	97.5,97.5
100	0.2601	0.2697	0.2737	0.2740	0.2891	0.2650	0.2851	0.2672	90-100	0.2702	961.4	97.5,97.5
110	0.3286	0.2983	0.3048	0.3071	0.4105	0.3115	0.3314	0.3133	100-110	0.3121	961.7	97.6,97.6
120	0.6851	0.5132	0.5295	0.5619	0.9539	0.6576	0.6393	0.5891	110-120	0.4263	962.2	97.6,97.6
130	2.220	2.228	2.289	2.615	2.829	3.052	2.605	2.751	120-130	1.188	963.3	97.7,97.7
140	8.135	7.095	7.483	7.729	9.376	8.366	7.972	7.684	130-140	3.860	967.2	98.1,98.1
150	12.94	12.89	13.17	13.32	13.70	13.76	13.59	13.31	140-150	6.759	974.0	98.8,98.8
160	15.35	15.41	17.89	15.27	15.37	15.21	15.34	15.04	150-160	6.806	980.8	99.5,99.5
170	11.76	11.54	11.77	11.52	11.68	11.57	11.76	11.53	160-170	4.008	984.8	99.9,99.9
180	9.220	9.259	8.930	9.179	9.227	9.252	8.936	9.183	170-180	0.9854	985.8	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:2021-08-06

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-VF62RA02-15W	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	1784	1706
80	1870	1800
75	3641	4263
70	6328	6282
65	5789	5778
60	5219	5221
55	4868	4889
50	4810	4859
45	5080	5253

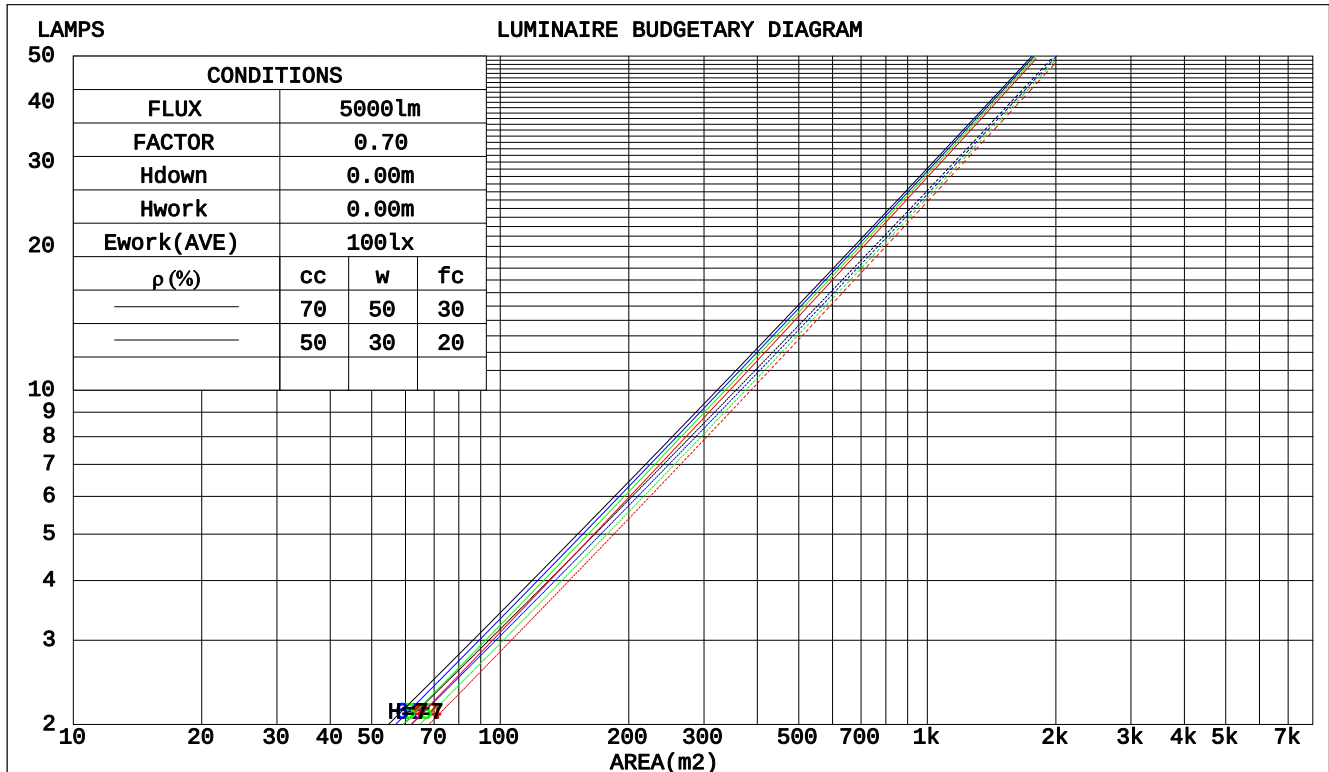
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-VF62RA02-15W	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	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	1.12	1.10	1.09	1.10	1.08	1.07	1.05	1.04	1.03	1.01	1.00	.00	.98	.97	.96	.94
2.0	1.07	1.04	1.02	1.05	1.03	1.00	1.02	.00	.98	.98	.97	.95	.96	.94	.93	.91
3.0	1.03	.99	.96	1.01	.98	.95	.98	.96	.94	.96	.94	.92	.93	.92	.90	.89
4.0	.99	.95	.92	.98	.94	.91	.95	.92	.90	.93	.91	.89	.91	.89	.88	.86
5.0	.95	.91	.88	.94	.91	.88	.93	.89	.87	.91	.88	.86	.89	.87	.85	.84
6.0	.92	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.84	.87	.85	.83	.82
7.0	.90	.86	.83	.89	.85	.83	.88	.84	.82	.86	.84	.81	.85	.83	.81	.80
8.0	.87	.83	.80	.87	.83	.80	.85	.82	.80	.84	.81	.79	.83	.81	.79	.78
9.0	.85	.81	.78	.84	.81	.78	.83	.80	.78	.82	.80	.77	.82	.79	.77	.76
10.0	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.76	.80	.77	.75	.74



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-VF62RA02-15W	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	.137	.078	.025	.130	.074	.023	.116	.066	.021	.103	.059	.019	.091	.053	.017		
2.0	.126	.069	.021	.120	.066	.020	.108	.060	.019	.098	.055	.017	.088	.050	.016		
3.0	.117	.062	.019	.112	.060	.018	.102	.055	.017	.093	.051	.016	.085	.047	.014		
4.0	.109	.057	.017	.104	.055	.016	.096	.051	.015	.088	.047	.014	.081	.044	.013		
5.0	.102	.052	.015	.098	.050	.015	.091	.047	.014	.084	.045	.013	.078	.042	.013		
6.0	.096	.048	.014	.093	.047	.013	.086	.044	.013	.081	.042	.012	.075	.040	.012		
7.0	.091	.045	.013	.088	.044	.012	.082	.042	.012	.077	.040	.012	.073	.038	.011		
8.0	.086	.042	.012	.084	.041	.012	.079	.039	.011	.074	.038	.011	.070	.036	.010		
9.0	.082	.040	.011	.080	.039	.011	.076	.037	.011	.072	.036	.010	.068	.034	.010		
10.0	.079	.038	.010	.076	.037	.010	.073	.036	.010	.069	.034	.010	.065	.033	.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	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.188	.177	.167	.160	.152	.144	.110	.104	.100	.063	.060	.058	.020	.019	.019	
2.0	.169	.152	.137	.145	.131	.119	.099	.091	.083	.057	.053	.049	.018	.017	.016	
3.0	.154	.133	.115	.132	.114	.100	.091	.080	.070	.052	.046	.041	.017	.015	.014	
4.0	.142	.117	.099	.122	.101	.086	.084	.071	.060	.048	.041	.036	.016	.013	.012	
5.0	.131	.105	.086	.113	.091	.075	.078	.063	.053	.045	.037	.031	.014	.012	.010	
6.0	.122	.095	.076	.105	.082	.066	.072	.058	.047	.042	.034	.028	.014	.011	.009	
7.0	.114	.087	.068	.098	.075	.059	.068	.053	.042	.039	.031	.025	.013	.010	.008	
8.0	.108	.080	.061	.093	.069	.053	.064	.049	.038	.037	.029	.023	.012	.009	.007	
9.0	.102	.074	.056	.088	.065	.049	.061	.045	.035	.035	.027	.021	.011	.009	.007	
10.0	.097	.070	.051	.084	.060	.045	.058	.043	.032	.034	.025	.019	.011	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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-VF62RA02-15W						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	7.8	8.4	8.1	8.6	8.8	7.7	8.3	7.9	8.5	8.7	
3H	9.7	10.3	10.0	10.5	10.8	9.7	10.3	10.0	10.5	10.7	
4H	10.2	10.8	10.5	11.0	11.3	10.4	10.9	10.7	11.2	11.4	
6H	10.3	10.8	10.6	11.0	11.3	10.4	11.0	10.8	11.2	11.5	
8H	10.2	10.7	10.6	11.0	11.3	10.4	10.9	10.7	11.2	11.5	
12H	10.2	10.7	10.6	11.0	11.3	10.4	10.9	10.7	11.2	11.5	
4H 2H	8.5	9.0	8.8	9.3	9.5	8.4	8.9	8.7	9.2	9.4	
3H	10.6	11.0	10.9	11.3	11.7	10.6	11.1	10.9	11.4	11.7	
4H	11.0	11.5	11.4	11.8	12.2	11.3	11.7	11.6	12.1	12.4	
6H	11.1	11.5	11.5	11.9	12.3	11.3	11.7	11.8	12.1	12.5	
8H	11.1	11.5	11.5	11.9	12.3	11.3	11.7	11.8	12.1	12.5	
12H	11.1	11.4	11.5	11.8	12.3	11.3	11.6	11.7	12.1	12.5	
8H 4H	11.2	11.6	11.6	11.9	12.4	11.4	11.8	11.8	12.1	12.6	
6H	11.3	11.6	11.7	12.0	12.5	11.5	11.8	11.9	12.2	12.7	
8H	11.3	11.5	11.7	12.0	12.5	11.5	11.7	12.0	12.2	12.7	
12H	11.3	11.5	11.8	12.0	12.5	11.5	11.7	12.0	12.2	12.7	
12H 4H	11.1	11.5	11.6	11.9	12.3	11.3	11.7	11.8	12.1	12.5	
6H	11.2	11.5	11.7	11.9	12.4	11.4	11.7	11.9	12.2	12.7	
8H	11.2	11.5	11.7	11.9	12.5	11.4	11.7	11.9	12.2	12.7	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					
1.5H	+ 0.6 / - 0.4					+ 0.5 / - 0.3					
2.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.5					

CIE Pub.117, 985.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.0)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

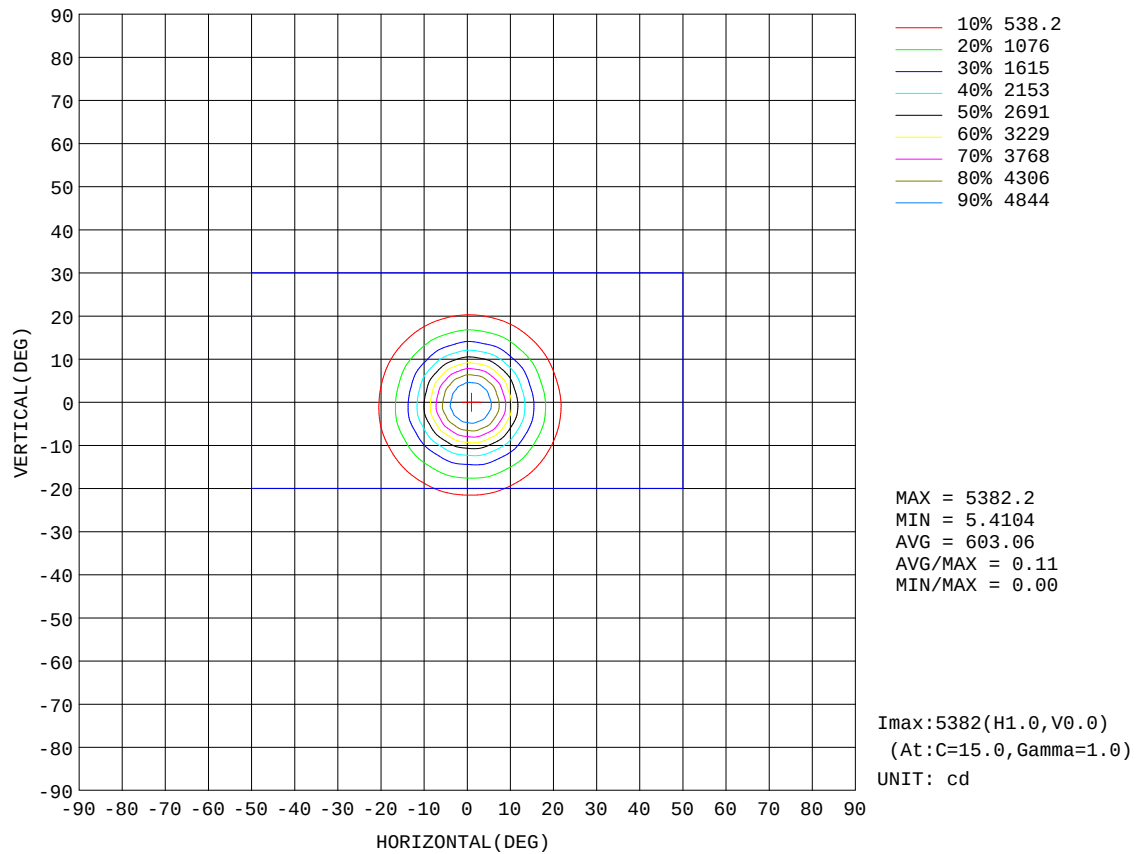
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	80	88	83	79	87	82	79	76
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	97	93	90	86
1.25	103	99	95	102	98	95	100	96	94	89
1.50	106	102	98	105	101	98	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	104	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	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:2021-08-06

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-VF62RA02-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

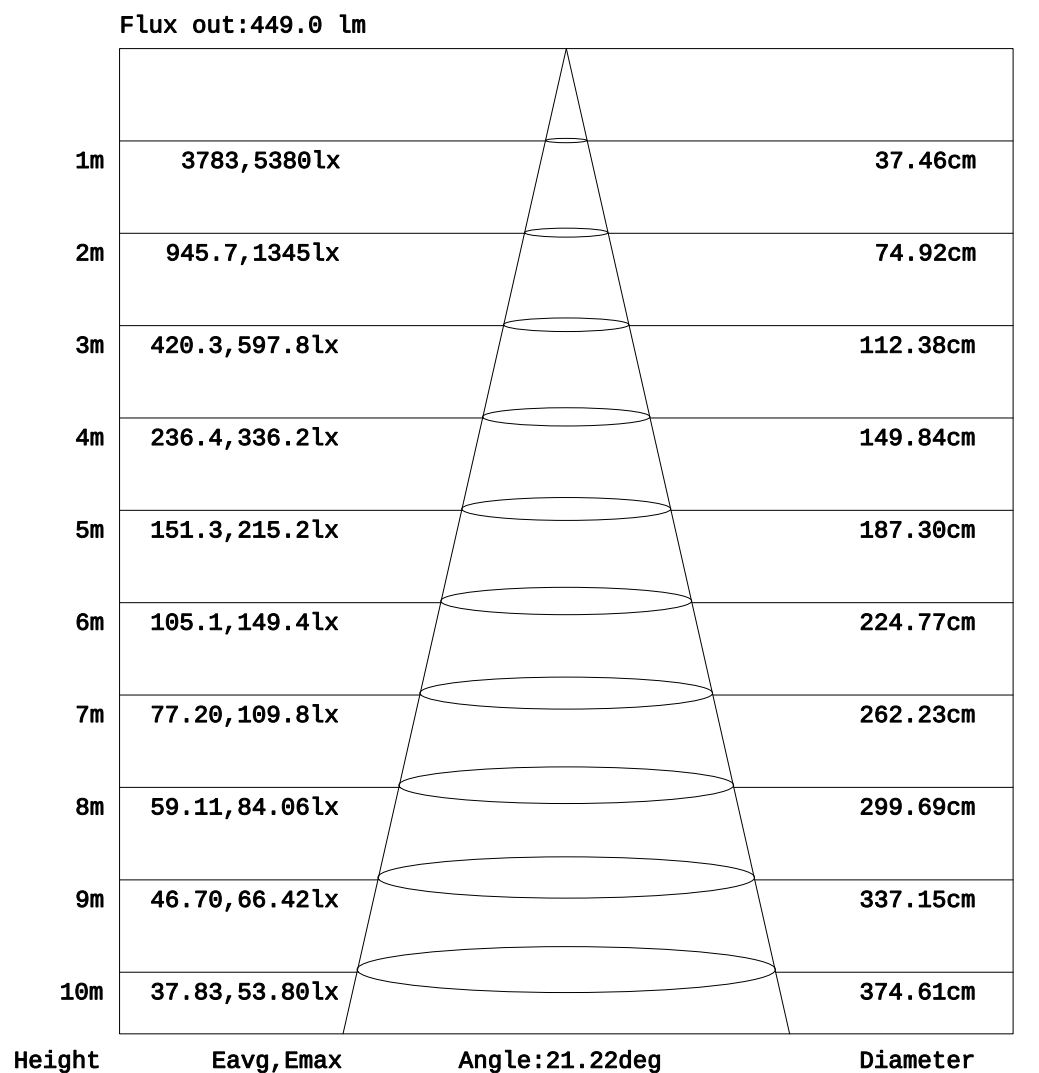


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



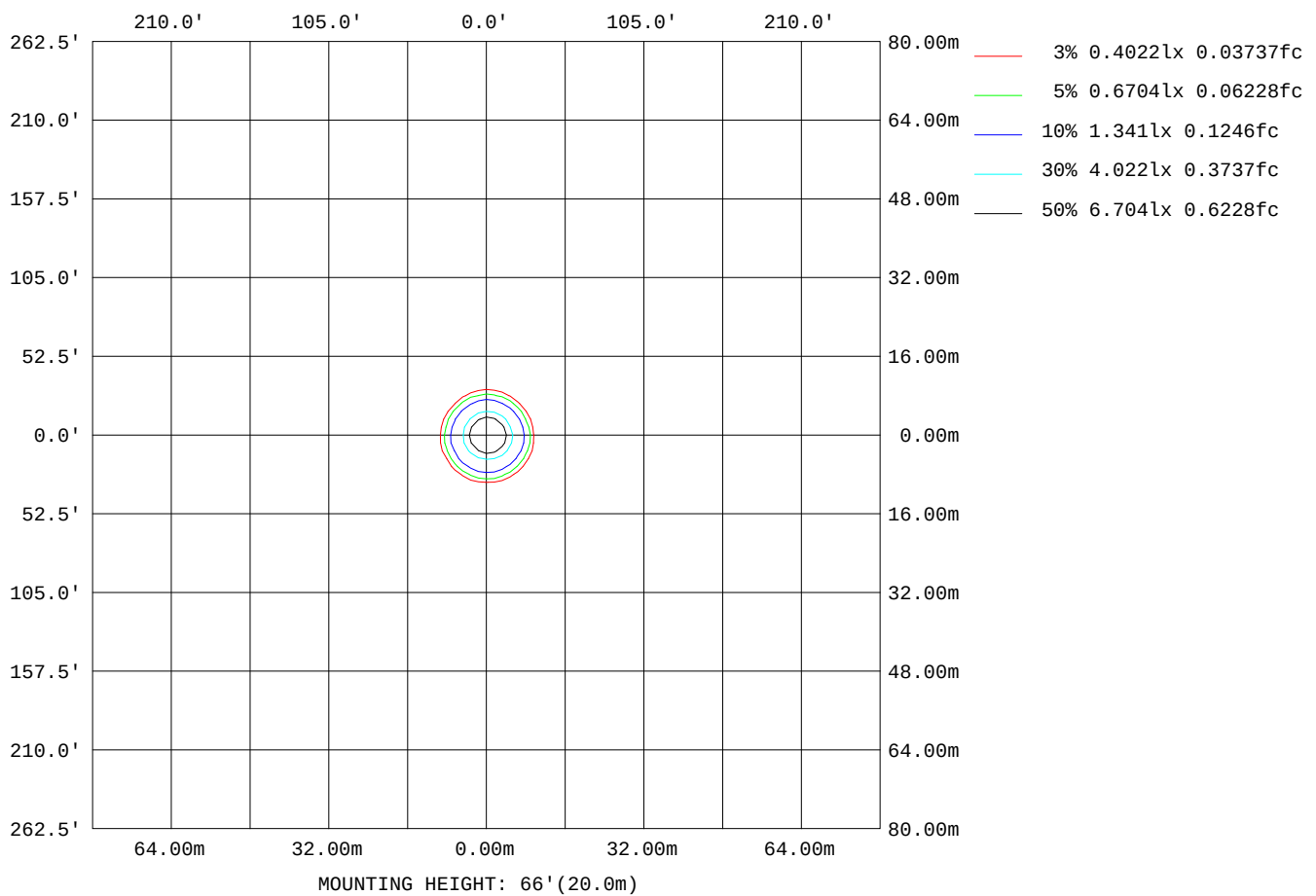
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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-VF62RA02-15W	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:2021-08-06

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-VF62RA02-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

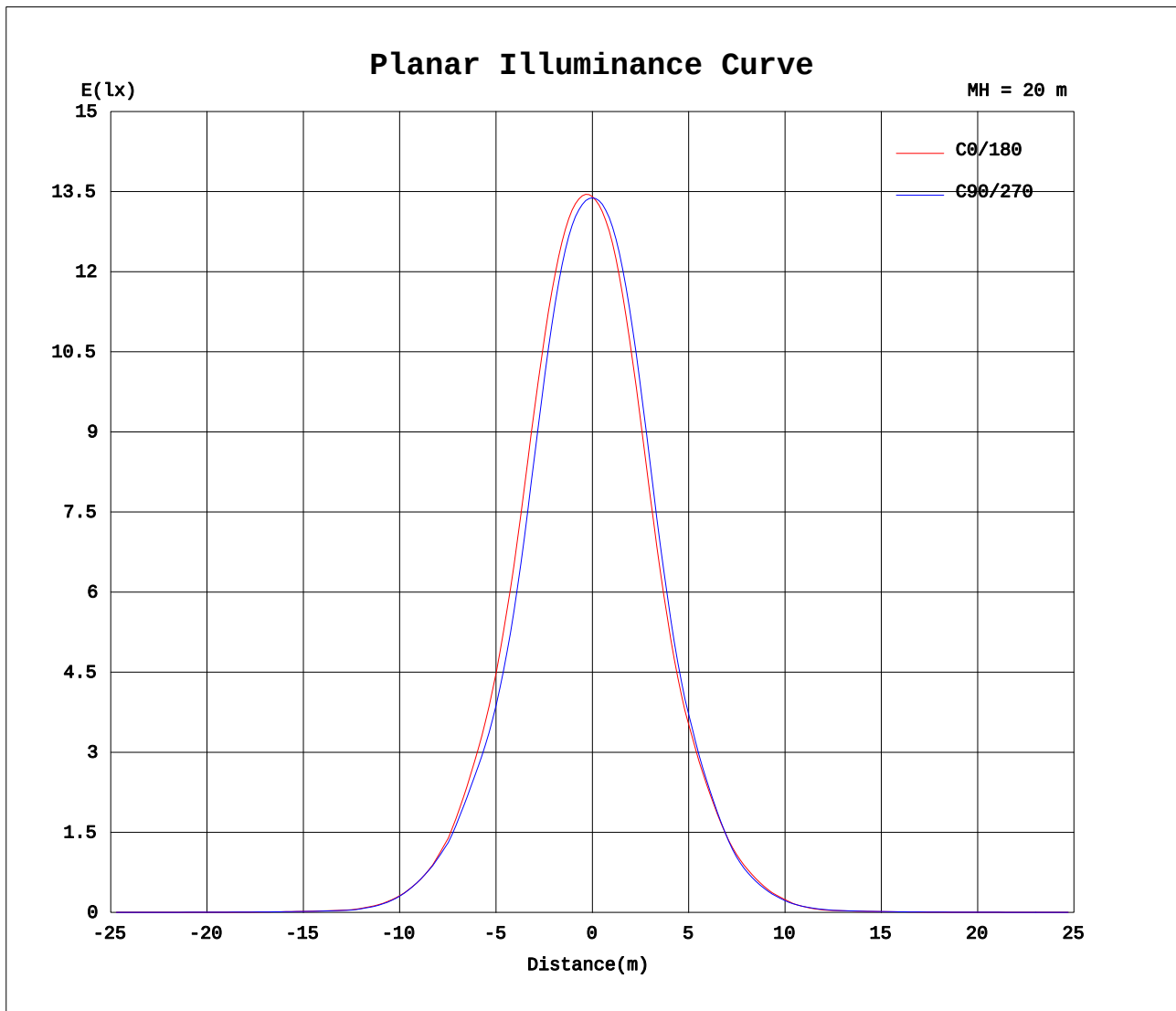
AvgL	cd/m2
L_0~180(65)av	5943
L_0~180(75)av	3078
L_0~180(85)av	1526
L_90~270(65)av	6165
L_90~270(75)av	5201
L_90~270(85)av	1653
L_45(65)av	5893
L_45(75)av	4575
L_45(85)av	1692

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-06

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: 2021-08-06

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-VF62RA02-15W	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	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355	5355
5	4962	5000	4949	4961	4880	4869	4771	4755	4655	4656	4579	4606	4512	4473	4536	4528	4619	4635	4738
10	3330	3404	3297	3303	3144	3114	2941	2924	2796	2816	2729	2782	2674	2625	2694	2669	2760	2757	2885
15	1714	1763	1701	1696	1600	1595	1498	1507	1421	1435	1380	1411	1357	1313	1350	1314	1365	1345	1421
20	758	797	769	787	745	752	707	708	662	660	628	625	584	566	561	545	550	551	570
25	262	282	273	282	270	280	261	263	241	239	218	221	200	187	188	176	180	175	187
30	67.5	72.3	70.0	72.5	66.7	67.0	62.4	60.2	56.7	54.1	50.5	47.5	42.9	41.9	44.0	42.9	45.7	44.9	48.5
35	22.5	22.9	22.1	22.6	21.8	21.5	20.7	20.4	19.4	19.9	19.2	18.9	18.3	18.0	17.9	18.1	18.6	18.5	19.2
40	11.6	12.0	12.1	12.5	12.3	12.3	12.0	12.1	11.6	11.9	11.3	10.8	10.5	10.6	10.8	10.8	10.9	10.8	11.0
45	7.04	7.11	7.30	7.40	7.32	7.39	7.29	7.35	7.25	7.30	7.20	7.19	7.17	7.16	7.21	7.18	7.18	7.11	7.10
50	6.06	6.09	6.07	6.10	6.09	6.13	6.13	6.20	6.20	6.25	6.22	6.22	6.25	6.30	6.38	6.42	6.43	6.40	6.36
55	5.47	5.46	5.45	5.45	5.45	5.49	5.50	5.55	5.57	5.62	5.64	5.66	5.72	5.79	5.87	5.93	5.97	5.97	5.92
60	5.11	5.07	5.04	5.00	5.01	5.10	5.12	5.16	5.16	5.20	5.28	5.30	5.38	5.49	5.54	5.62	5.69	5.72	5.66
65	4.79	4.73	4.63	4.58	4.63	4.77	4.79	4.83	4.76	4.80	4.88	4.99	5.06	5.11	5.17	5.28	5.45	5.50	5.43
70	4.24	4.12	3.88	3.92	4.03	4.23	4.22	4.27	4.11	4.08	4.00	4.21	4.32	4.15	4.43	4.62	4.91	4.91	4.90
75	1.85	1.89	1.95	2.24	2.24	2.30	2.17	2.22	2.06	1.99	1.63	1.40	1.28	1.61	2.25	2.53	2.92	2.90	3.12
80	0.64	0.63	0.63	0.66	0.65	0.65	0.61	0.62	0.58	0.56	0.50	0.45	0.40	0.46	0.57	0.64	0.73	0.73	0.79
85	0.30	0.32	0.33	0.30	0.31	0.28	0.29	0.27	0.29	0.27	0.28	0.25	0.22	0.25	0.24	0.27	0.27	0.28	0.27
90	0.24	0.25	0.25	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.23
95	0.24	0.25	0.24	0.25	0.24	0.26	0.24	0.26	0.24	0.25	0.24	0.25	0.26	0.24	0.25	0.23	0.25	0.23	0.26
100	0.26	0.27	0.25	0.27	0.26	0.29	0.27	0.28	0.26	0.27	0.25	0.27	0.29	0.27	0.28	0.27	0.28	0.27	0.29
105	0.28	0.29	0.27	0.29	0.28	0.30	0.28	0.30	0.28	0.29	0.27	0.29	0.34	0.31	0.32	0.28	0.30	0.28	0.31
110	0.33	0.32	0.29	0.30	0.30	0.31	0.30	0.31	0.30	0.31	0.30	0.33	0.41	0.41	0.39	0.31	0.33	0.31	0.33
115	0.43	0.39	0.35	0.33	0.34	0.37	0.35	0.37	0.35	0.34	0.39	0.43	0.57	0.57	0.52	0.39	0.41	0.38	0.40
120	0.69	0.57	0.51	0.51	0.51	0.53	0.53	0.54	0.54	0.56	0.57	0.64	0.95	0.95	0.76	0.66	0.69	0.64	0.64
125	1.08	1.04	1.05	1.03	1.10	1.04	1.08	1.08	1.21	1.18	1.23	1.21	1.35	1.41	1.36	1.43	1.33	1.35	1.28
130	2.22	2.22	2.31	2.23	2.23	2.20	2.29	2.30	2.43	2.62	2.87	2.63	2.83	2.92	2.90	3.05	2.79	2.75	2.60
135	4.57	4.56	4.55	4.32	4.38	4.30	4.47	4.48	4.72	5.11	5.39	5.49	5.81	5.79	5.63	5.53	5.15	5.16	4.90
140	8.14	7.80	7.34	7.09	7.31	7.30	7.48	7.60	7.74	7.73	8.08	8.95	9.38	9.00	8.70	8.37	8.20	8.22	7.97
145	11.3	10.7	10.3	10.2	10.4	10.5	10.9	10.9	10.8	10.8	11.0	11.4	11.9	11.7	11.4	11.5	11.3	11.3	11.1
150	12.9	12.9	12.9	12.9	13.0	13.0	13.2	13.2	13.3	13.3	13.4	13.4	13.7	13.8	13.7	13.8	13.7	13.7	13.6
155	14.7	14.5	14.5	14.5	14.6	14.7	14.7	14.9	14.8	14.8	14.8	14.9	15.2	15.6	15.0	15.1	15.1	15.1	15.0
160	15.3	14.8	15.5	15.4	15.0	16.2	17.9	17.1	15.2	15.3	15.6	15.0	15.4	15.5	15.1	15.2	15.3	15.4	15.3
165	13.9	13.8	13.7	13.8	14.0	14.7	16.1	15.2	14.1	13.9	13.8	13.8	13.9	14.0	13.9	13.9	14.0	14.2	14.3
170	11.8	11.7	11.6	11.5	11.6	11.8	11.8	11.8	11.5	11.5	11.6	11.6	11.7	11.7	11.7	11.6	11.6	11.7	11.8
175	9.78	9.75	9.64	9.75	9.69	9.53	9.42	9.45	9.49	9.68	9.71	9.64	9.71	9.73	9.80	9.82	9.64	9.54	9.53
180	9.22	9.14	9.12	9.26	9.06	8.87	8.93	8.84	8.92	9.18	9.06	9.01	9.23	9.14	9.13	9.25	9.05	8.88	8.94

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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-vF62RA02-15W	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	5355	5355	5355	5355	5355													
5	4758	4848	4853	4920	4896													
10	2910	3062	3089	3217	3203													
15	1414	1513	1518	1622	1618													
20	576	616	631	682	686													
25	187	204	205	226	231													
30	49.8	53.2	56.3	59.8	60.3													
35	19.2	19.6	20.3	21.6	21.2													
40	11.0	11.2	11.5	11.9	11.2													
45	7.04	7.09	7.00	7.08	6.92													
50	6.30	6.24	6.15	6.09	6.00													
55	5.85	5.74	5.64	5.55	5.45													
60	5.58	5.41	5.27	5.19	5.12													
65	5.34	5.11	4.89	4.79	4.76													
70	4.78	4.55	4.23	4.07	3.99													
75	2.98	3.01	2.53	2.21	1.75													
80	0.77	0.79	0.70	0.65	0.58													
85	0.30	0.29	0.31	0.30	0.30													
90	0.23	0.22	0.23	0.23	0.23													
95	0.23	0.25	0.24	0.27	0.25													
100	0.26	0.28	0.27	0.29	0.27													
105	0.28	0.30	0.29	0.31	0.30													
110	0.31	0.32	0.31	0.35	0.35													
115	0.38	0.40	0.35	0.46	0.47													
120	0.65	0.65	0.59	0.62	0.75													
125	1.33	1.22	1.29	1.17	1.18													
130	2.63	2.64	2.75	2.49	2.43													
135	4.91	4.81	5.01	4.92	5.01													
140	7.94	7.72	7.68	7.89	8.20													
145	11.1	10.9	10.8	10.7	10.9													
150	13.5	13.4	13.3	13.2	13.2													
155	15.0	15.0	15.1	14.7	15.1													
160	15.3	15.1	15.0	14.9	15.2													
165	14.1	14.0	13.8	13.8	13.9													
170	11.7	11.7	11.5	11.6	11.6													
175	9.57	9.75	9.77	9.61	9.66													
180	8.83	8.93	9.18	9.06	9.02													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-06

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: