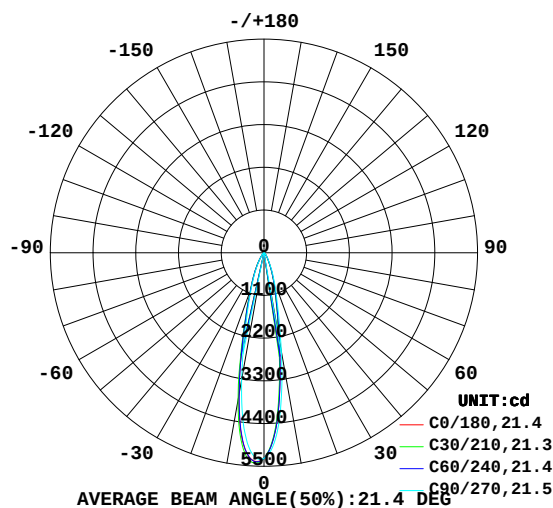


LUMINAIRE PHOTOMETRIC TEST REPORT

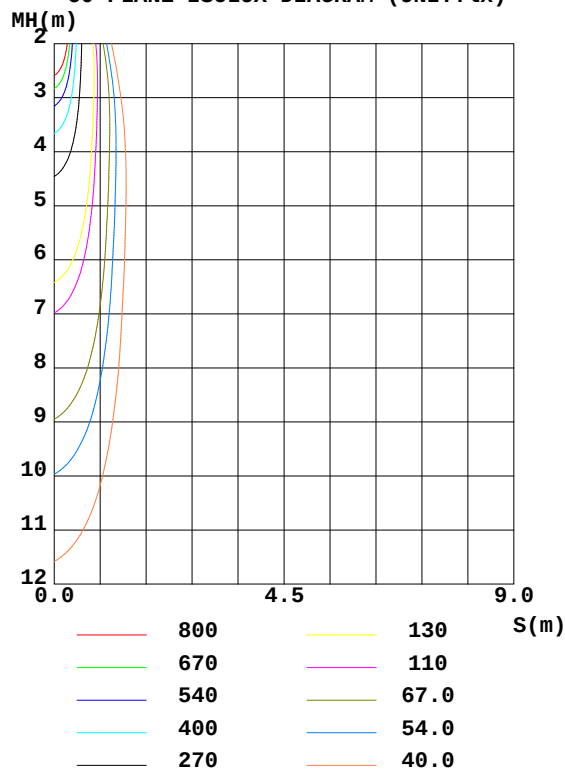
NAME: VM060-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.00 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5420	S/MH(C0/180)	0.43	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.40	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1283.6	η UP, DN(C0-180)	1.2, 45.8	
NOMINAL FLUX(lm)	1283.62	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 51.8	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230	η down(%)	97.6	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:

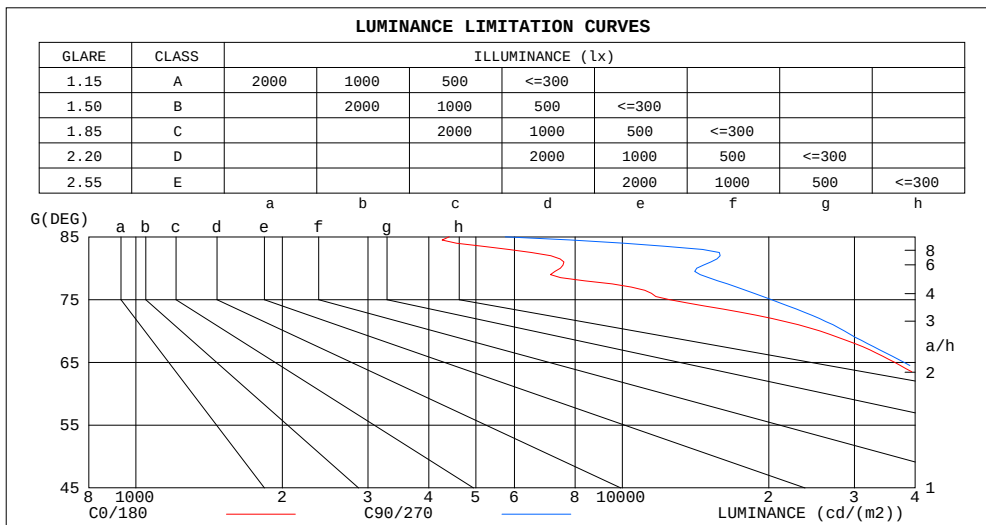
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2266	2260	2573	3350	3729	3733	3324	2588	0- 10	389.1	389.1	30.3,30.3
20	689.7	685.9	753.5	941.7	1008	1004	950.8	770.1	10- 20	443.1	832.2	64.8,64.8
30	218.9	215.4	234.4	300.1	325.5	330.2	304.1	241.3	20- 30	228.4	1061	82.6,82.6
40	81.12	81.13	84.87	95.16	93.12	90.64	90.55	80.62	30- 40	98.13	1159	90.3,90.3
50	39.11	38.76	40.67	41.14	40.01	38.79	40.51	38.36	40- 50	44.70	1203	93.8,93.8
60	21.21	21.05	22.40	22.62	22.43	22.04	23.06	21.24	50- 60	26.85	1230	95.8,95.8
70	8.175	8.746	9.314	9.920	10.10	10.17	10.60	9.103	60- 70	15.34	1246	97.97
80	1.215	2.448	2.351	2.736	1.936	2.924	2.775	2.323	70- 80	5.812	1251	97.5,97.5
90	0.3531	0.3830	0.3760	0.4046	0.3527	0.3568	0.3474	0.3551	80- 90	1.157	1253	97.6,97.6
100	0.5053	0.5123	0.5130	0.5071	0.4972	0.4769	0.5222	0.5134	90-100	0.4625	1253	97.6,97.6
110	0.8190	0.8298	0.8136	0.7775	0.7764	0.7547	0.7968	0.8260	100-110	0.6679	1254	97.7,97.7
120	1.773	1.774	1.713	1.506	1.435	1.411	1.508	1.718	110-120	1.116	1255	97.8,97.8
130	4.552	4.548	4.300	3.612	3.374	3.313	3.659	4.388	120-130	2.293	1257	97.9,97.9
140	10.57	10.61	10.09	8.881	8.439	8.329	9.006	10.26	130-140	4.981	1262	98.3,98.3
150	15.86	15.80	15.62	14.92	14.64	14.51	15.00	15.68	140-150	7.847	1270	98.9,98.9
160	17.01	16.98	17.40	17.48	17.44	17.36	17.63	17.35	150-160	7.665	1278	99.5,99.5
170	13.78	13.44	14.48	15.38	15.93	15.81	15.61	14.47	160-170	4.710	1282	99.9,99.9
180	12.59	12.79	12.77	13.04	12.64	12.78	12.80	13.03	170-180	1.319	1284	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-VF62RA03-15W	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	4405	5749
80	7457	14223
75	12478	20236
70	25480	28605
65	36283	37929
60	45211	47057
55	54204	55797
50	64864	66469
45	81551	83994

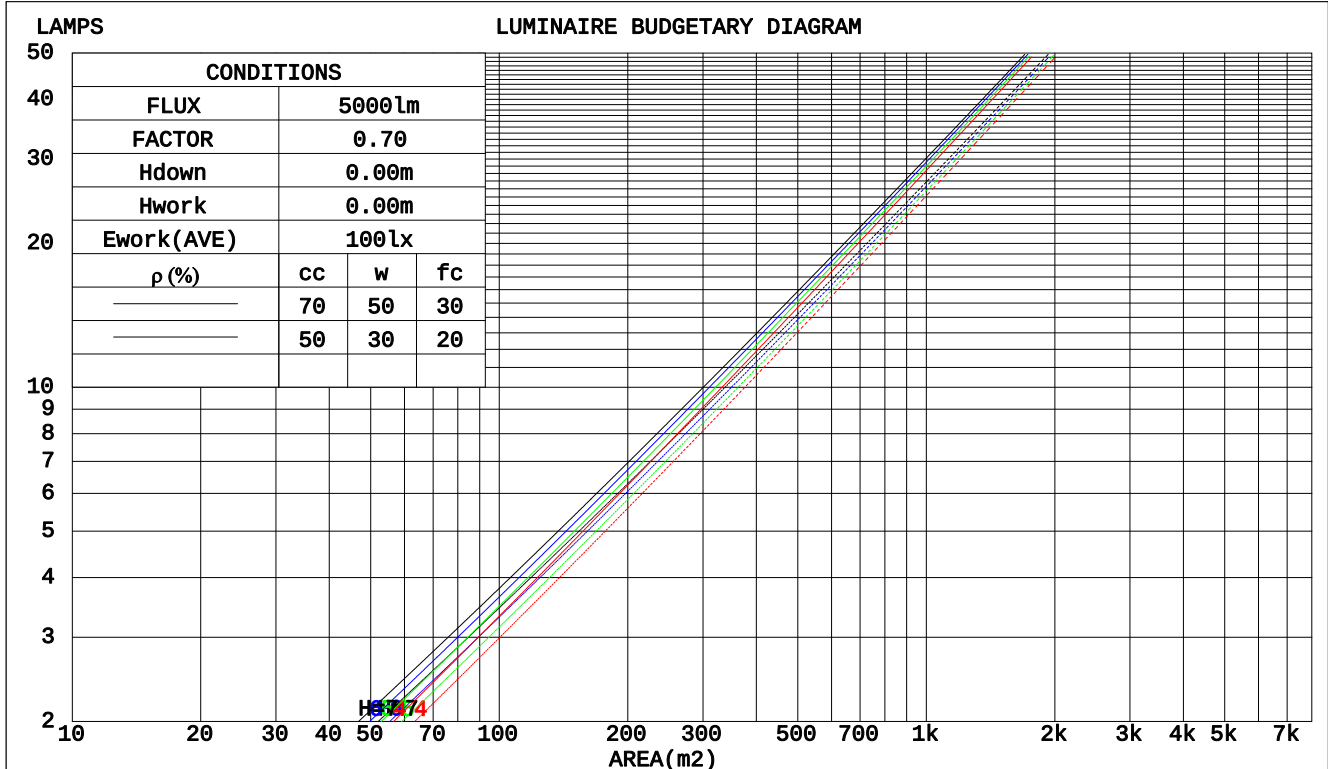
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA03-15W	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	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.96	.96	.95	.93
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.97	.95	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.92	.89	.87	.90	.87	.86	.84
4.0	.94	.90	.86	.93	.89	.85	.91	.87	.84	.88	.85	.83	.86	.84	.82	.80
5.0	.90	.85	.82	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.81	.78	.77
6.0	.86	.81	.78	.85	.81	.77	.84	.80	.77	.82	.79	.76	.81	.78	.75	.74
7.0	.83	.78	.74	.82	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.72	.71
8.0	.79	.75	.71	.79	.74	.71	.78	.74	.71	.77	.73	.70	.76	.72	.70	.69
9.0	.77	.72	.69	.76	.72	.69	.75	.71	.68	.74	.71	.68	.73	.70	.68	.66
10.0	.74	.69	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.71	.68	.65	.64



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-VF62RA03-15W	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 Coeffcients(WEC)										
0.0																	
1.0	.159	.090	.029	.151	.086	.027	.137	.079	.025	.125	.072	.023	.113	.065	.021		
2.0	.149	.082	.025	.143	.079	.024	.131	.073	.023	.120	.067	.021	.110	.062	.020		
3.0	.139	.074	.022	.134	.072	.022	.124	.067	.020	.115	.063	.019	.106	.059	.018		
4.0	.131	.068	.020	.126	.066	.020	.118	.062	.019	.110	.059	.018	.102	.056	.017		
5.0	.123	.063	.018	.119	.061	.018	.112	.058	.017	.105	.055	.016	.098	.053	.016		
6.0	.116	.058	.017	.113	.057	.016	.106	.055	.016	.100	.052	.015	.095	.050	.015		
7.0	.110	.055	.015	.107	.053	.015	.101	.051	.015	.096	.049	.014	.091	.047	.014		
8.0	.105	.051	.014	.102	.050	.014	.097	.048	.014	.092	.047	.013	.088	.045	.013		
9.0	.100	.048	.013	.097	.047	.013	.093	.046	.013	.088	.044	.013	.084	.043	.012		
10.0	.095	.046	.013	.093	.045	.013	.089	.044	.012	.085	.042	.012	.081	.041	.012		

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	.188	.176	.165	.161	.151	.142	.110	.104	.098	.063	.060	.057	.020	.019	.018		
2.0	.172	.151	.134	.147	.130	.116	.101	.090	.081	.058	.052	.047	.019	.017	.015		
3.0	.158	.132	.112	.136	.114	.097	.093	.079	.068	.054	.046	.040	.017	.015	.013		
4.0	.147	.117	.095	.126	.101	.082	.087	.071	.058	.050	.041	.034	.016	.013	.011		
5.0	.137	.105	.082	.117	.091	.071	.081	.064	.050	.047	.037	.030	.015	.012	.010		
6.0	.128	.096	.072	.110	.083	.063	.076	.058	.044	.044	.034	.026	.014	.011	.009		
7.0	.121	.088	.064	.104	.076	.056	.072	.053	.040	.042	.031	.024	.014	.010	.008		
8.0	.115	.081	.058	.099	.070	.051	.068	.049	.036	.040	.029	.021	.013	.010	.007		
9.0	.109	.076	.053	.094	.066	.046	.065	.046	.033	.038	.027	.020	.012	.009	.006		
10.0	.104	.071	.049	.090	.062	.043	.062	.043	.030	.036	.026	.018	.012	.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-VF62RA03-15W						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	20.0	20.8	20.3	21.0	21.2	20.1	20.9	20.4	21.1	21.3	
3H	20.4	21.1	20.7	21.3	21.6	20.6	21.3	20.8	21.5	21.7	
4H	20.4	21.1	20.7	21.4	21.6	20.6	21.3	20.9	21.6	21.8	
6H	20.4	21.0	20.7	21.3	21.6	20.6	21.3	21.0	21.6	21.8	
8H	20.3	21.0	20.7	21.2	21.5	20.6	21.2	21.0	21.5	21.8	
12H	20.3	20.9	20.7	21.2	21.5	20.6	21.2	21.0	21.5	21.8	
4H	2H	20.2	20.9	20.5	21.1	21.4	20.3	21.0	20.6	21.2	21.5
	3H	20.7	21.2	21.0	21.6	21.9	20.8	21.4	21.2	21.7	22.0
	4H	20.7	21.3	21.1	21.6	21.9	20.9	21.5	21.3	21.8	22.1
	6H	20.7	21.2	21.1	21.5	21.9	20.9	21.4	21.4	21.8	22.2
	8H	20.7	21.1	21.1	21.5	21.9	21.0	21.4	21.4	21.8	22.2
	12H	20.6	21.0	21.1	21.4	21.9	20.9	21.3	21.4	21.7	22.2
8H	4H	20.7	21.1	21.1	21.5	21.9	20.9	21.3	21.3	21.7	22.1
	6H	20.7	21.0	21.1	21.5	21.9	20.9	21.3	21.4	21.7	22.2
	8H	20.7	21.0	21.2	21.4	21.9	21.0	21.3	21.5	21.7	22.2
	12H	20.6	20.9	21.1	21.4	21.9	20.9	21.2	21.4	21.7	22.2
12H	4H	20.6	21.0	21.1	21.4	21.9	20.8	21.2	21.3	21.6	22.1
	6H	20.6	21.0	21.1	21.4	21.9	20.9	21.2	21.4	21.7	22.2
	8H	20.6	20.9	21.2	21.4	21.9	20.9	21.2	21.4	21.7	22.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.9 / - 1.4					+ 0.9 / - 1.2					
1.5H	+ 1.5 / - 0.8					+ 1.6 / - 0.7					
2.0H	+ 1.5 / - 1.3					+ 1.4 / - 1.2					

CIE Pub.117, 1284 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.9$)

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-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

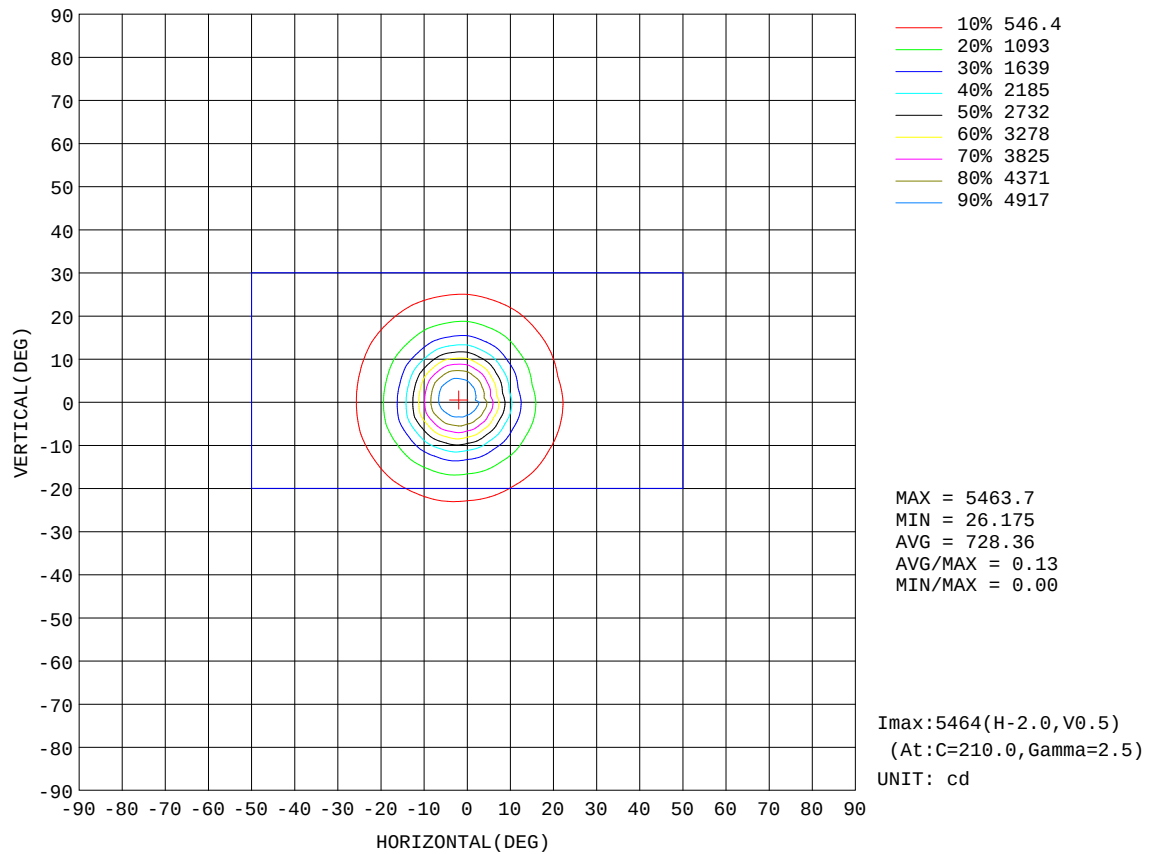
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	100	95	92	98	94	91	86
1.50	104	99	96	103	99	95	100	97	94	89
2.00	107	103	100	106	102	99	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	105	103	105	102	100	93
4.00	113	110	108	111	108	106	106	105	103	95
5.00	114	112	110	112	110	108	107	106	105	96
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-VF62RA03-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

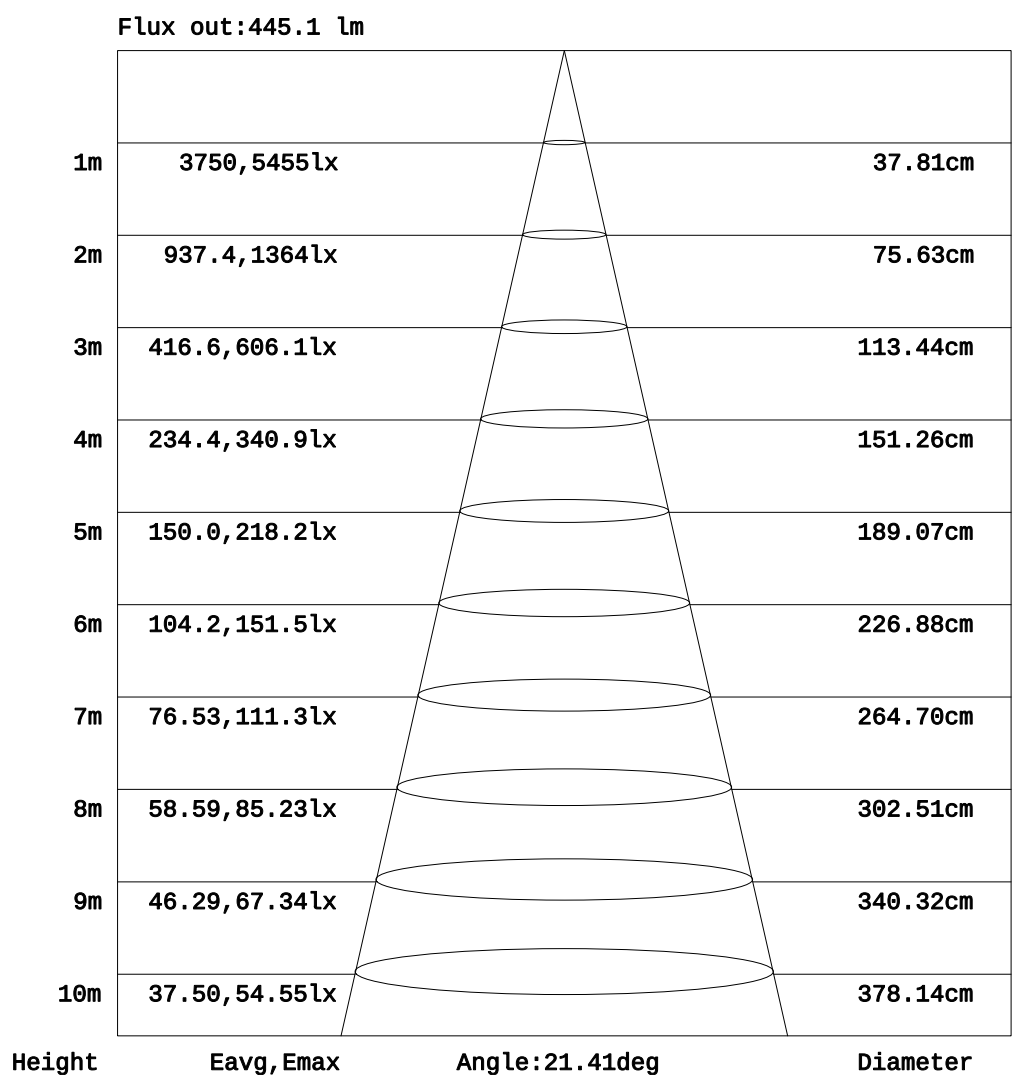


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-09

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-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



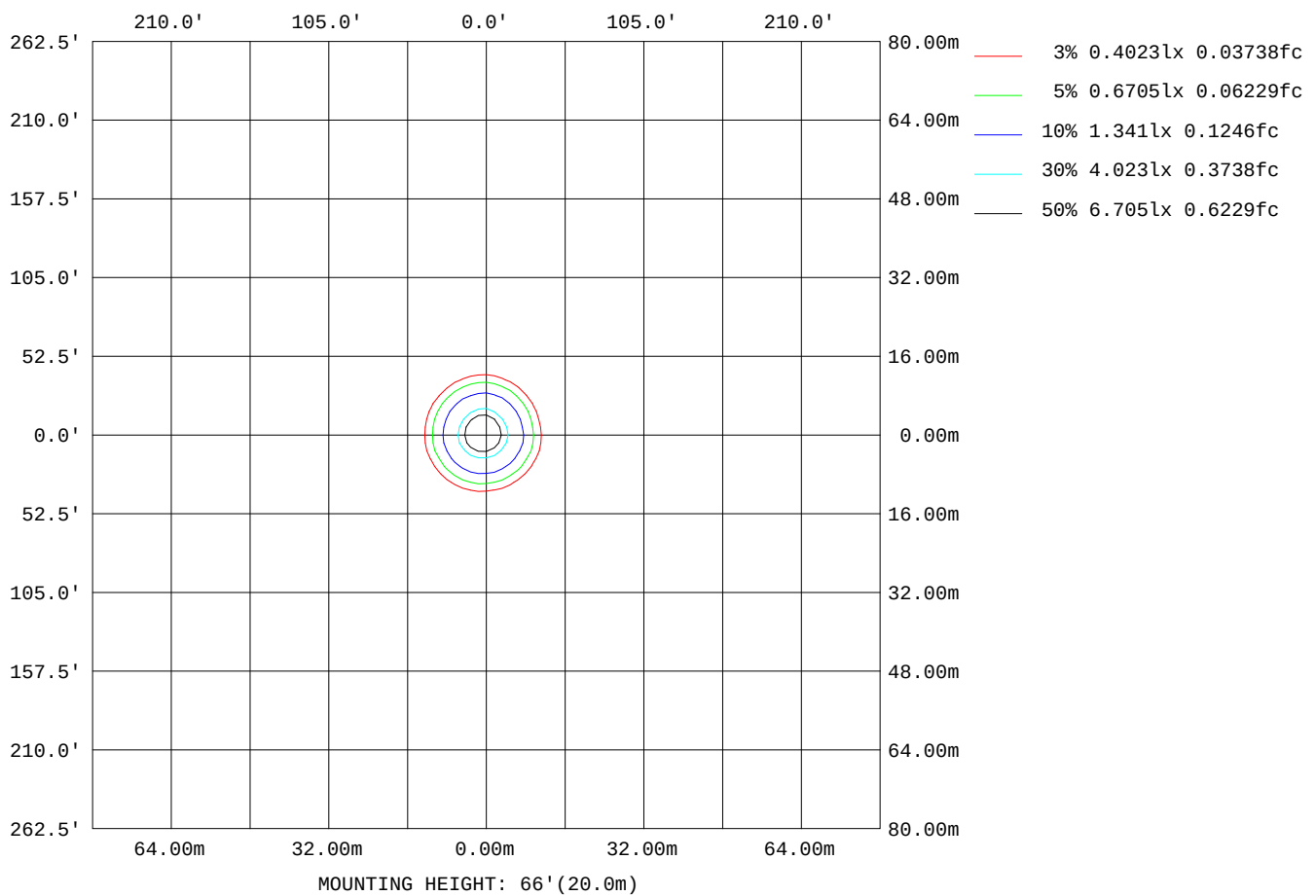
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF62RA03-15W	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:

LED Avg.L Report

NAME: VM060-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

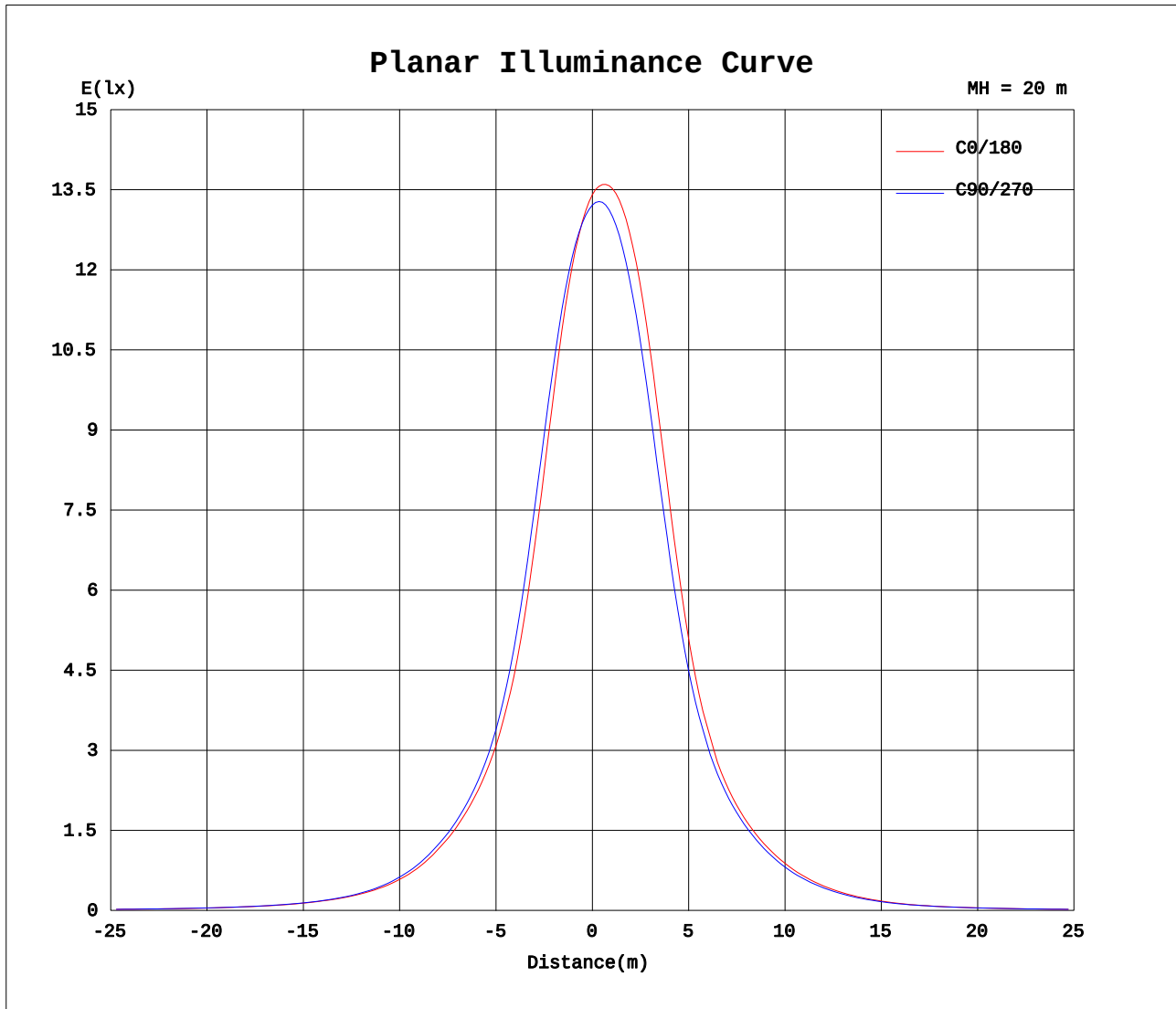
AvgL	cd/m2
L_0~180(65)av	38024
L_0~180(75)av	17772
L_0~180(85)av	5280
L_90~270(65)av	39845
L_90~270(75)av	22585
L_90~270(85)av	9905
L_45(65)av	38047
L_45(75)av	22288
L_45(85)av	10899

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-VF62RA03-15W	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	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293
5	4154	4147	4083	4159	4171	4319	4402	4594	4719	4924	5035	5203	5171	5195	5254	5190	5159	5017	4919
10	2266	2250	2184	2260	2283	2458	2573	2843	3021	3350	3530	3832	3729	3758	3850	3733	3700	3470	3324
15	1196	1187	1161	1191	1198	1269	1321	1468	1545	1728	1831	2007	1916	1909	1977	1907	1912	1791	1734
20	690	686	670	686	688	726	754	820	864	942	976	1047	1008	1006	1036	1004	1012	966	951
25	387	383	373	382	383	406	423	466	493	542	565	603	583	589	604	591	588	562	548
30	219	217	212	215	214	224	234	257	272	300	312	335	326	329	339	330	329	312	304
35	130	131	128	129	128	132	136	147	153	165	170	179	173	174	179	173	173	165	164
40	81.1	81.3	80.6	81.1	80.4	82.0	84.9	88.9	91.2	95.2	95.0	97.0	93.1	92.8	93.8	90.6	91.0	89.5	90.5
45	54.1	54.0	53.5	53.9	54.1	55.5	56.5	58.4	58.6	59.6	58.9	59.6	57.5	56.4	56.7	55.3	56.1	56.2	57.2
50	39.1	39.0	38.5	38.8	39.2	40.4	40.7	41.5	41.0	41.1	40.8	41.6	40.0	39.2	39.4	38.8	39.8	40.1	40.5
55	29.2	29.1	28.7	29.0	29.2	30.2	30.5	31.1	30.5	30.5	30.2	30.9	29.9	29.4	29.6	29.2	30.1	30.4	30.6
60	21.2	21.1	20.8	21.0	21.3	22.1	22.4	23.0	22.5	22.6	22.5	23.2	22.4	22.0	22.2	22.0	22.8	22.9	23.1
65	14.4	14.3	13.9	14.2	14.2	15.0	15.3	15.8	15.7	16.0	16.0	16.7	16.2	15.9	16.1	16.1	16.6	16.7	16.8
70	8.17	8.74	8.59	8.75	8.79	9.18	9.31	9.70	9.67	9.92	9.98	10.5	10.1	9.95	10.2	10.2	10.6	10.6	10.6
75	3.03	4.00	4.59	4.69	4.65	4.87	4.99	5.39	5.53	5.92	6.07	6.19	5.72	6.06	6.34	6.22	6.41	6.18	6.13
80	1.21	1.67	2.46	2.45	2.43	2.39	2.35	2.42	2.50	2.74	2.64	2.26	1.94	2.52	3.00	2.92	2.97	2.82	2.77
85	0.36	0.44	0.42	0.41	0.41	0.44	0.48	0.72	0.86	1.18	1.29	0.94	0.51	1.15	1.48	1.41	1.44	1.22	1.16
90	0.35	0.39	0.38	0.38	0.37	0.37	0.38	0.39	0.40	0.40	0.40	0.44	0.35	0.36	0.37	0.36	0.35	0.33	0.35
95	0.41	0.43	0.41	0.44	0.42	0.44	0.42	0.44	0.42	0.44	0.42	0.41	0.41	0.38	0.40	0.40	0.41	0.39	0.42
100	0.51	0.51	0.51	0.51	0.51	0.52	0.51	0.52	0.50	0.51	0.48	0.50	0.50	0.47	0.49	0.48	0.50	0.48	0.52
105	0.62	0.63	0.63	0.63	0.62	0.64	0.63	0.64	0.61	0.62	0.59	0.60	0.62	0.59	0.61	0.60	0.61	0.61	0.64
110	0.82	0.83	0.82	0.83	0.82	0.83	0.81	0.81	0.78	0.78	0.75	0.76	0.78	0.75	0.77	0.75	0.77	0.77	0.80
115	1.17	1.17	1.18	1.17	1.18	1.16	1.14	1.11	1.07	1.04	1.01	0.99	1.02	1.00	1.00	1.00	1.02	1.02	1.06
120	1.77	1.77	1.80	1.77	1.79	1.73	1.71	1.63	1.58	1.51	1.45	1.40	1.44	1.42	1.40	1.41	1.43	1.46	1.51
125	2.80	2.79	2.85	2.80	2.82	2.71	2.68	2.51	2.43	2.28	2.21	2.09	2.14	2.12	2.08	2.12	2.13	2.22	2.28
130	4.55	4.55	4.66	4.55	4.57	4.39	4.30	4.04	3.86	3.61	3.46	3.29	3.37	3.31	3.27	3.31	3.37	3.51	3.66
135	7.28	7.32	7.44	7.31	7.30	7.03	6.88	6.47	6.22	5.81	5.59	5.29	5.45	5.38	5.29	5.39	5.46	5.71	5.91
140	10.6	10.6	10.7	10.6	10.6	10.3	10.1	9.66	9.32	8.88	8.57	8.23	8.44	8.32	8.24	8.33	8.45	8.72	9.01
145	13.7	13.7	13.8	13.7	13.7	13.4	13.3	12.9	12.6	12.2	11.9	11.6	11.7	11.6	11.5	11.6	11.8	12.0	12.3
150	15.9	15.8	15.9	15.8	15.8	15.7	15.6	15.4	15.2	14.9	14.7	14.5	14.6	14.5	14.5	14.5	14.6	14.8	15.0
155	17.0	16.9	17.0	16.9	17.0	17.0	17.0	16.9	16.8	16.7	16.6	16.5	16.5	16.4	16.4	16.4	16.5	16.6	16.7
160	17.0	17.1	16.8	17.0	17.2	17.3	17.4	17.4	17.4	17.5	17.4	17.5	17.4	17.4	17.4	17.4	17.5	17.5	17.6
165	15.7	15.6	15.4	15.6	16.0	16.5	16.7	16.9	16.9	17.0	17.1	17.4	17.3	17.3	17.3	17.2	17.3	17.3	17.4
170	13.8	13.6	13.5	13.4	13.7	14.1	14.5	14.8	15.0	15.4	15.7	16.1	15.9	15.9	16.0	15.8	15.8	15.7	15.6
175	12.3	12.2	12.1	12.3	12.5	12.5	12.7	13.1	13.4	13.9	14.1	14.3	14.0	14.0	14.3	14.2	14.1	13.8	13.7
180	12.6	12.6	12.6	12.8	12.7	12.7	12.8	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:2021-08-09

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-VF62RA03-15W	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	5293	5293	5293	5293	5293													
5	4723	4595	4387	4273	4103													
10	3035	2860	2588	2441	2241													
15	1583	1508	1350	1277	1182													
20	884	844	770	732	680													
25	508	482	436	411	380													
30	280	265	241	227	211													
35	152	146	134	129	123													
40	87.2	85.1	80.6	78.1	76.6													
45	56.0	55.2	53.3	52.7	52.1													
50	39.9	39.5	38.4	38.3	37.9													
55	30.2	29.7	28.7	28.6	28.3													
60	22.6	22.1	21.2	21.1	20.6													
65	16.2	15.7	14.8	14.5	13.9													
70	10.03	9.73	9.10	8.87	8.09													
75	5.71	5.56	5.11	4.86	3.68													
80	2.54	2.50	2.32	2.20	1.59													
85	0.91	0.84	0.61	0.55	0.38													
90	0.35	0.36	0.36	0.38	0.36													
95	0.40	0.43	0.42	0.43	0.42													
100	0.50	0.52	0.51	0.53	0.52													
105	0.63	0.65	0.64	0.66	0.65													
110	0.80	0.82	0.83	0.85	0.85													
115	1.09	1.12	1.15	1.18	1.21													
120	1.58	1.63	1.72	1.76	1.85													
125	2.43	2.51	2.70	2.78	2.94													
130	3.89	4.07	4.39	4.55	4.84													
135	6.30	6.57	7.03	7.29	7.67													
140	9.41	9.75	10.3	10.6	11.0													
145	12.7	12.9	13.4	13.6	14.0													
150	15.2	15.4	15.7	15.8	16.1													
155	16.9	16.9	17.0	17.1	17.2													
160	17.6	17.5	17.4	17.2	17.2													
165	17.1	16.8	16.4	16.1	16.0													
170	15.2	14.9	14.5	14.2	14.0													
175	13.4	13.3	13.2	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:2021-08-09

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: