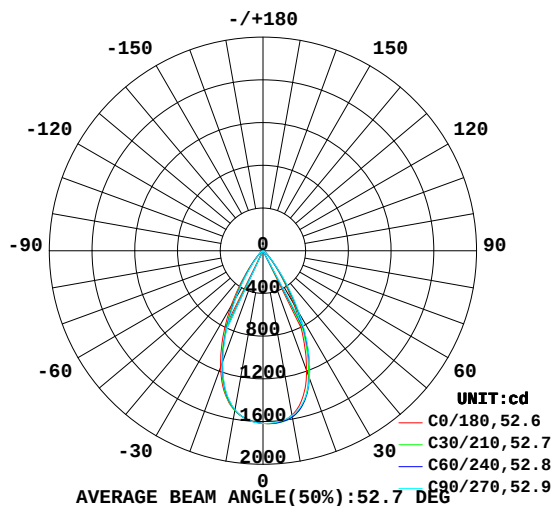


LUMINAIRE PHOTOMETRIC TEST REPORT

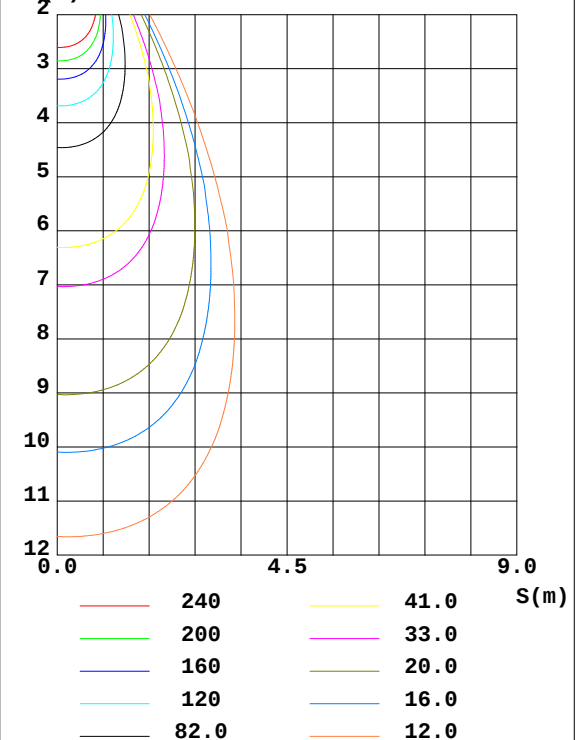
NAME: VM060-VF62RA03-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 96.81 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	1621	S/MH(C0/180)	0.81	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.77	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1302.9	η UP, DN(C0-180)	1.1, 51.8	
NOMINAL FLUX(lm)	1302.89	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 45.8	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	230	η down(%)	97.6	CIBSE SHR MAX	0.85	

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:

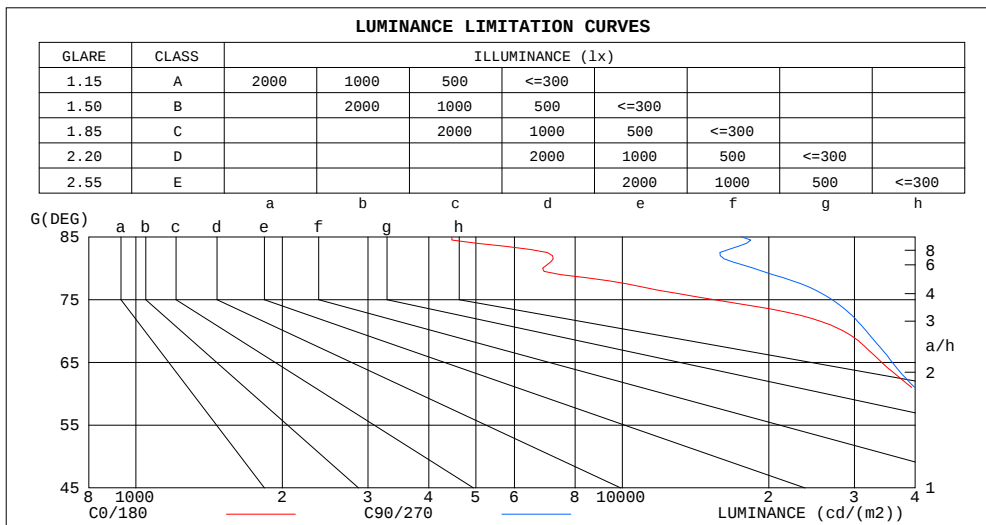
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1562	1588	1566	1540	1519	1513	1512	1524	0- 10	150.9	150.9	11.6, 11.6
20	1194	1274	1270	1239	1163	1107	1103	1114	10- 20	389.2	540.1	41.5, 41.5
30	581.2	661.7	682.3	684.2	598.1	526.3	505.5	511.9	20- 30	404.5	944.6	72.5, 72.5
40	158.2	180.8	190.6	192.9	168.1	144.9	136.5	134.5	30- 40	213.2	1158	88.9, 88.9
50	45.96	47.43	46.43	45.29	44.81	42.20	41.35	41.41	40- 50	66.82	1225	94, 94
60	19.30	20.21	19.63	19.17	19.67	19.48	19.43	19.00	50- 60	26.08	1251	96, 96
70	9.174	10.09	10.33	10.13	9.957	9.777	9.486	8.930	60- 70	14.09	1265	97.1, 97.1
80	1.123	2.826	3.073	2.941	1.456	2.256	2.171	1.977	70- 80	6.041	1271	97.5, 97.5
90	0.3505	0.3615	0.3583	0.3749	0.3396	0.3434	0.3318	0.3238	80- 90	1.089	1272	97.6, 97.6
100	0.4992	0.5049	0.4883	0.4927	0.5020	0.4978	0.5199	0.4923	90-100	0.4388	1272	97.7, 97.7
110	1.096	1.010	0.9719	0.9700	1.061	1.145	1.180	1.177	100-110	0.7685	1273	97.7, 97.7
120	2.699	2.448	2.386	2.375	2.625	2.881	2.936	2.937	110-120	1.740	1275	97.9, 97.9
130	5.490	5.152	5.033	5.070	5.486	5.840	5.961	5.862	120-130	3.544	1278	98.1, 98.1
140	9.072	8.676	8.567	8.644	9.160	9.540	9.673	9.488	130-140	5.580	1284	98.6, 98.6
150	12.45	12.08	12.08	12.12	12.60	12.88	13.03	12.74	140-150	6.778	1291	99.1, 99.1
160	14.45	14.44	14.48	14.45	14.60	14.79	14.95	14.60	150-160	6.295	1297	99.6, 99.6
170	15.51	15.42	15.49	15.41	15.63	15.67	15.63	15.41	160-170	4.264	1301	99.9, 99.9
180	16.46	16.61	16.36	16.50	16.49	16.60	16.38	16.49	170-180	1.514	1303	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4463	17554
80	6859	18598
75	15391	26986
70	28449	31731
65	34138	35879
60	40931	41263
55	52713	52239
50	75841	75904
45	122411	130917

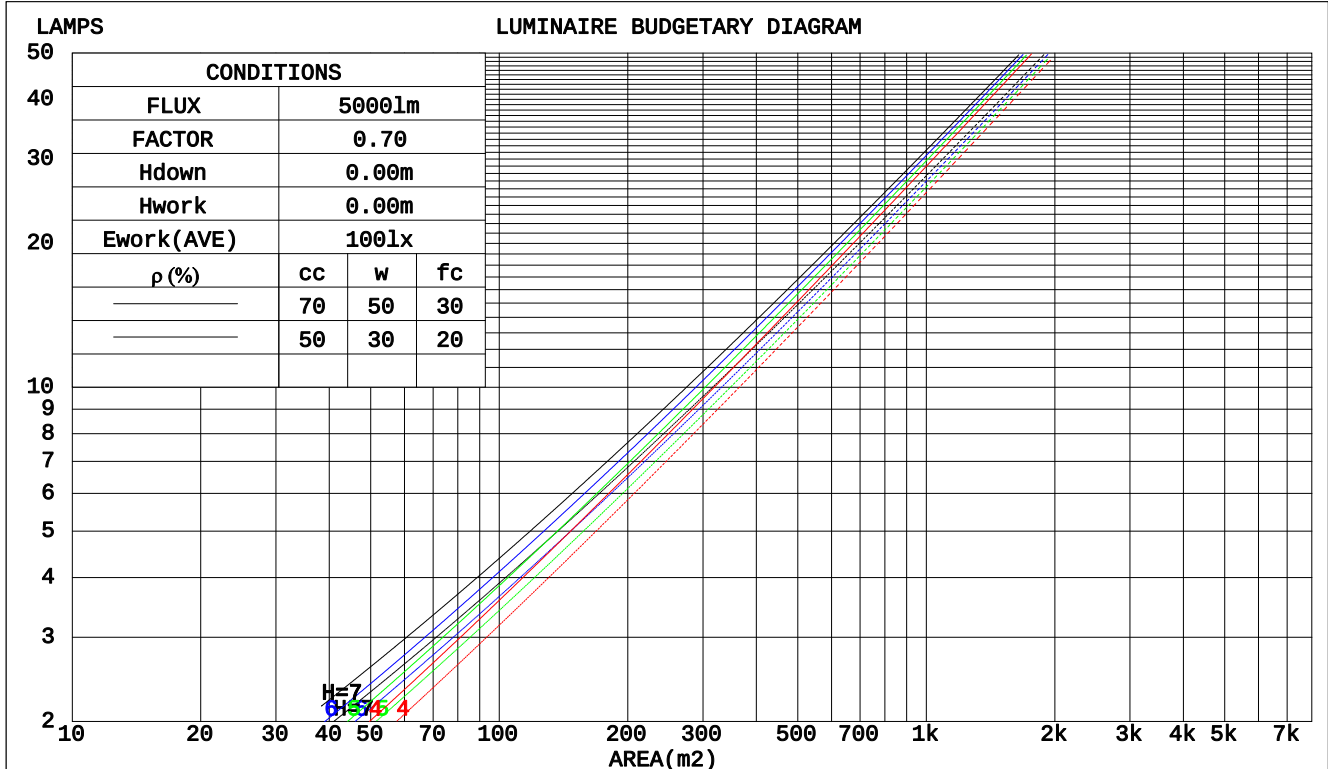
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-CRI90-55D	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	1.10	1.07	1.05	1.08	1.05	1.03	1.03	1.01	.00	.99	.98	.96	.95	.94	.93	.91
2.0	1.02	.98	.95	1.00	.97	.94	.97	.94	.91	.93	.91	.89	.90	.88	.87	.85
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.88	.85	.82	.86	.83	.81	.79
4.0	.89	.84	.79	.88	.83	.79	.85	.81	.78	.83	.79	.76	.81	.78	.75	.74
5.0	.84	.78	.73	.82	.77	.73	.80	.76	.72	.79	.74	.71	.77	.73	.70	.69
6.0	.79	.73	.68	.78	.72	.68	.76	.71	.67	.74	.70	.67	.73	.69	.66	.65
7.0	.74	.68	.64	.73	.68	.64	.72	.67	.63	.70	.66	.63	.69	.65	.62	.61
8.0	.70	.64	.60	.69	.64	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.57
9.0	.66	.60	.56	.66	.60	.56	.64	.59	.56	.63	.59	.56	.62	.58	.55	.54
10.0	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.59	.55	.52	.51



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:

WEC AND CCEC

NAME: VM060-VF62RA03-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	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	.181	.103	.033	.174	.099	.032	.160	.092	.029	.147	.085	.027	.135	.078	.025		
2.0	.173	.095	.029	.167	.092	.028	.155	.086	.027	.144	.081	.025	.134	.076	.024		
3.0	.164	.087	.026	.159	.085	.026	.148	.080	.024	.139	.076	.023	.130	.072	.022		
4.0	.156	.081	.024	.151	.079	.023	.142	.075	.022	.134	.072	.022	.126	.068	.021		
5.0	.148	.075	.022	.144	.074	.021	.136	.071	.021	.128	.068	.020	.122	.065	.020		
6.0	.141	.070	.020	.137	.069	.020	.130	.067	.019	.124	.064	.019	.117	.062	.018		
7.0	.134	.066	.019	.131	.065	.019	.125	.063	.018	.119	.061	.018	.113	.059	.017		
8.0	.128	.063	.018	.125	.062	.017	.120	.060	.017	.114	.058	.017	.109	.056	.016		
9.0	.122	.059	.017	.120	.058	.016	.115	.057	.016	.110	.055	.016	.106	.054	.015		
10.0	.117	.056	.016	.115	.056	.015	.110	.054	.015	.106	.053	.015	.102	.051	.015		

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	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.190	.176	.163	.162	.151	.140	.111	.104	.097	.064	.060	.056	.020	.019	.018	
2.0	.175	.151	.131	.150	.130	.113	.103	.090	.079	.059	.052	.046	.019	.017	.015	
3.0	.163	.132	.108	.139	.114	.093	.096	.079	.066	.055	.046	.039	.018	.015	.013	
4.0	.152	.117	.091	.131	.101	.079	.090	.071	.056	.052	.041	.033	.017	.013	.011	
5.0	.144	.106	.078	.123	.092	.068	.085	.064	.048	.049	.038	.028	.016	.012	.009	
6.0	.136	.097	.068	.117	.084	.059	.081	.059	.042	.047	.034	.025	.015	.011	.008	
7.0	.130	.089	.061	.112	.077	.053	.077	.054	.038	.045	.032	.022	.014	.010	.007	
8.0	.124	.083	.055	.107	.072	.048	.074	.051	.034	.043	.030	.020	.014	.010	.007	
9.0	.119	.078	.050	.102	.067	.044	.071	.047	.031	.041	.028	.018	.013	.009	.006	
10.0	.114	.073	.046	.098	.064	.040	.068	.045	.029	.040	.027	.017	.013	.009	.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-CRI90-55D						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	23.9	24.8	24.1	25.0	25.2	24.5	25.4	24.7	25.6	25.8	
	3H	23.9	24.7	24.2	25.0	25.2	24.5	25.3	24.8	25.6	25.8
	4H	23.9	24.7	24.2	24.9	25.2	24.5	25.3	24.8	25.5	25.8
	6H	23.8	24.5	24.1	24.8	25.1	24.4	25.2	24.8	25.5	25.8
	8H	23.7	24.5	24.1	24.8	25.1	24.4	25.1	24.8	25.4	25.7
	12H	23.7	24.4	24.0	24.7	25.0	24.4	25.1	24.7	25.4	25.7
4H	2H	23.7	24.5	24.0	24.8	25.1	24.3	25.1	24.6	25.4	25.6
	3H	23.8	24.5	24.2	24.8	25.1	24.4	25.1	24.7	25.4	25.7
	4H	23.8	24.4	24.2	24.8	25.1	24.4	25.1	24.8	25.4	25.7
	6H	23.7	24.3	24.2	24.7	25.1	24.4	25.0	24.8	25.3	25.7
	8H	23.7	24.2	24.1	24.6	25.0	24.4	24.9	24.8	25.3	25.7
	12H	23.7	24.1	24.1	24.5	25.0	24.4	24.8	24.8	25.2	25.7
8H	4H	23.7	24.2	24.2	24.6	25.1	24.3	24.8	24.8	25.2	25.7
	6H	23.7	24.1	24.1	24.5	25.0	24.3	24.8	24.8	25.2	25.7
	8H	23.6	24.0	24.1	24.5	25.0	24.3	24.7	24.8	25.1	25.6
	12H	23.6	23.9	24.1	24.4	24.9	24.3	24.6	24.8	25.1	25.6
12H	4H	23.7	24.2	24.1	24.6	25.0	24.3	24.7	24.7	25.2	25.6
	6H	23.6	24.0	24.1	24.5	25.0	24.3	24.7	24.8	25.1	25.6
	8H	23.6	23.9	24.1	24.4	24.9	24.3	24.6	24.8	25.1	25.6
Variations with the observer position at spacings:											
S = 1.0H	+ 2.2 / - 3.8					+ 2.6 / - 4.0					
1.5H	+ 3.8 / - 3.1					+ 4.5 / - 3.4					
2.0H	+ 3.2 / - 1.9					+ 3.3 / - 1.7					

CIE Pub.117, 1303 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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

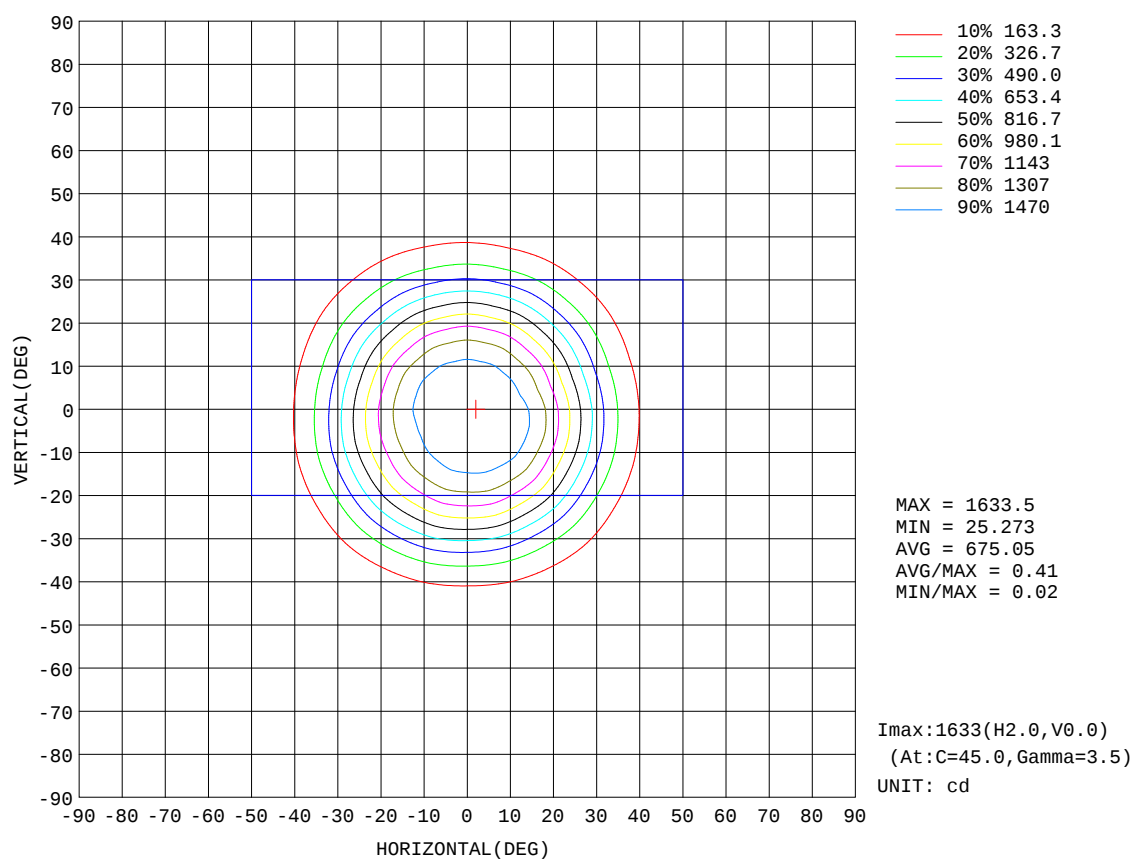
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	91	86	82	90	85	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	96	92	100	95	91	98	94	90	86
1.50	104	99	95	103	98	95	100	96	93	88
2.00	107	103	99	105	101	98	102	99	96	91
2.50	109	105	102	107	103	101	104	101	98	92
3.00	111	107	104	109	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	112	110	112	110	108	107	106	104	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

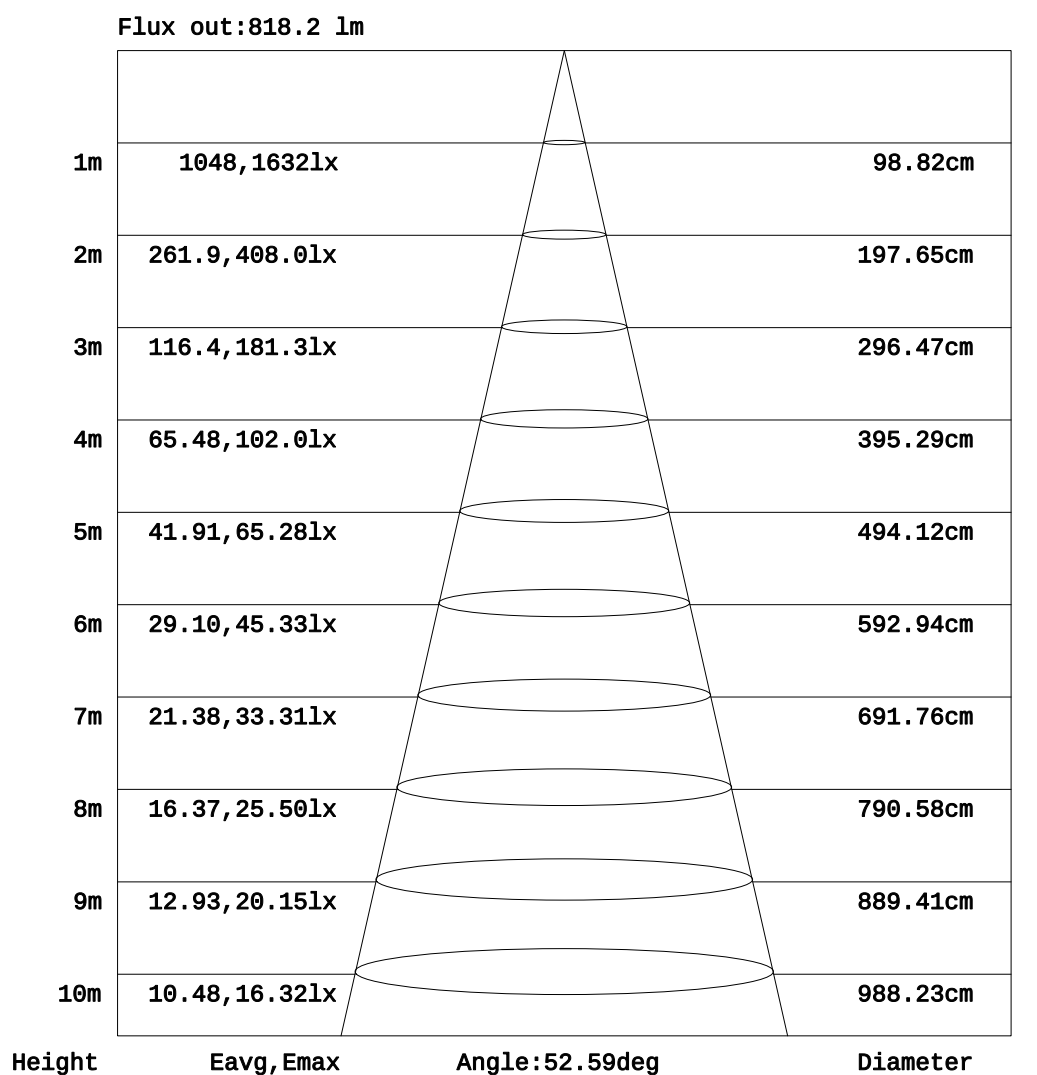


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-09

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



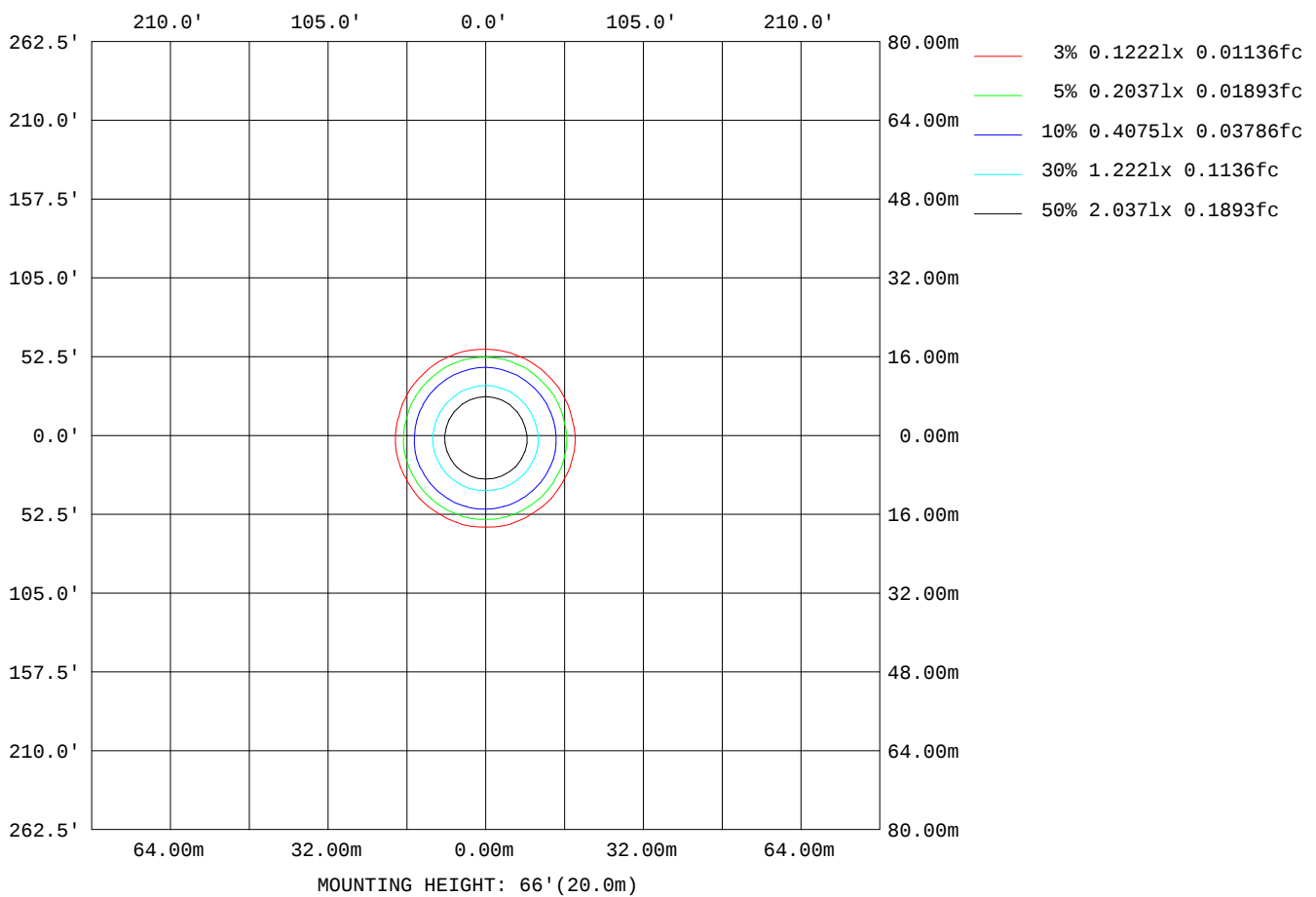
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-CRI90-55D	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

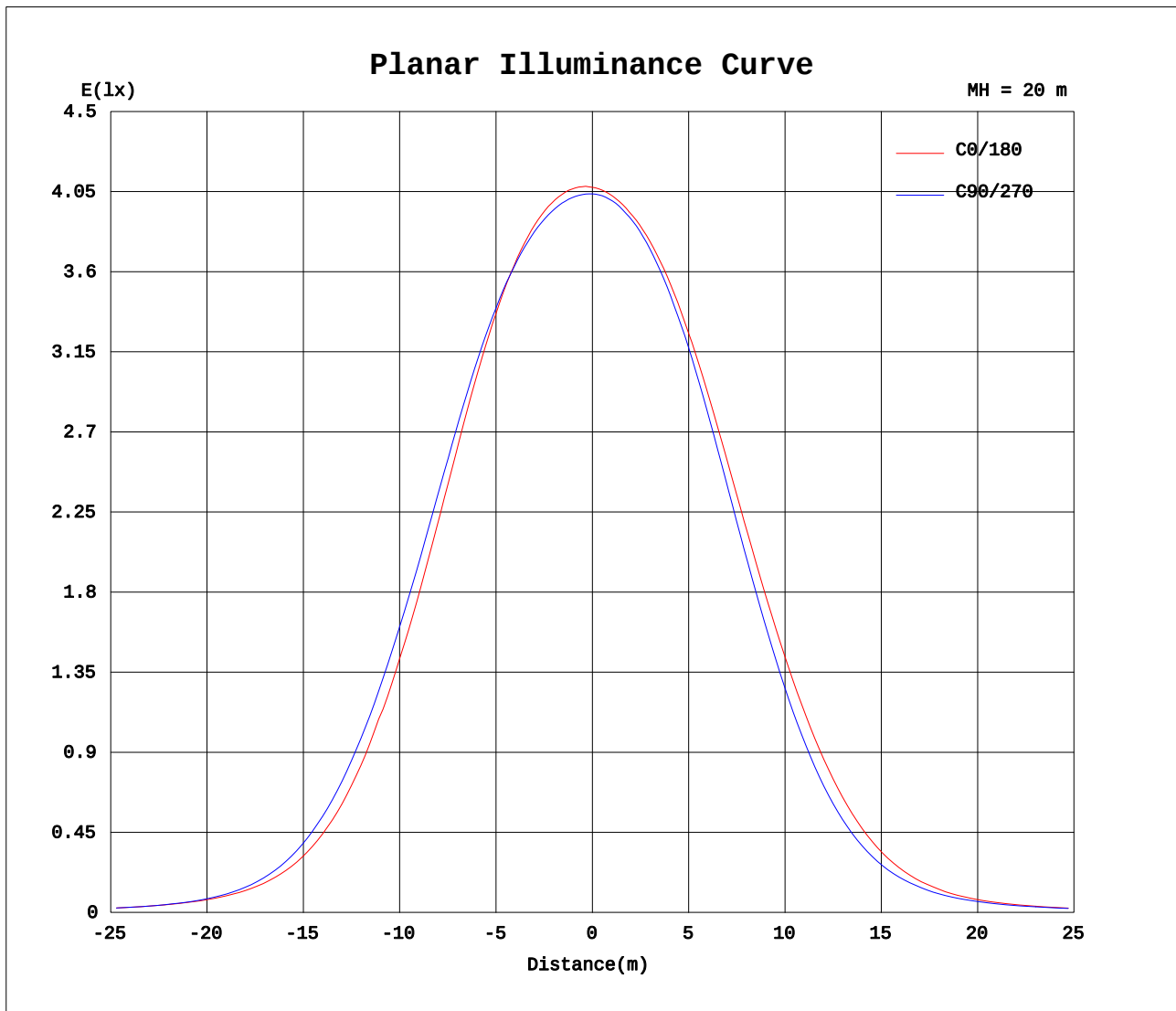
AvgL	cd/m2
L_0~180(65)av	34630
L_0~180(75)av	18493
L_0~180(85)av	4288
L_90~270(65)av	35430
L_90~270(75)av	24366
L_90~270(85)av	11818
L_45(65)av	35088
L_45(75)av	23716
L_45(85)av	10543

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-CRI90-55D	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	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616	1616
5	1614	1617	1618	1619	1616	1614	1608	1605	1600	1597	1593	1592	1588	1586	1589	1589	1589	1589	1591
10	1562	1577	1582	1588	1579	1577	1566	1561	1548	1540	1529	1527	1519	1516	1520	1513	1513	1507	1512
15	1430	1458	1469	1483	1475	1476	1464	1461	1442	1430	1406	1401	1382	1370	1372	1356	1358	1345	1353
20	1194	1234	1246	1274	1269	1283	1270	1274	1249	1239	1207	1196	1163	1136	1131	1107	1110	1093	1103
25	888	930	945	981	981	1003	993	1004	982	978	945	934	887	850	841	816	814	796	802
30	581	617	631	662	663	684	682	699	687	684	658	645	598	564	553	526	519	502	506
35	319	343	351	373	376	392	394	407	402	401	381	375	341	317	308	290	286	271	273
40	158	167	169	181	183	191	191	197	192	193	183	184	168	157	154	145	144	136	136
45	81.6	83.5	82.7	86.8	87.7	90.0	88.1	89.5	87.0	87.0	84.7	86.4	81.7	78.4	77.5	74.0	73.1	70.7	70.2
50	46.0	46.9	46.1	47.4	47.1	47.8	46.4	46.7	45.2	45.3	44.7	46.2	44.8	43.5	43.6	42.2	42.2	41.4	41.4
55	28.5	29.1	28.9	29.5	29.2	29.4	28.5	28.5	27.6	27.7	27.6	28.4	28.1	27.6	27.8	27.4	27.5	27.2	27.3
60	19.3	19.7	19.8	20.2	20.0	20.2	19.6	19.6	19.0	19.2	19.2	19.7	19.7	19.5	19.7	19.5	19.6	19.4	19.4
65	13.6	13.9	14.0	14.6	14.6	14.7	14.4	14.4	14.1	14.1	14.1	14.3	14.2	14.2	14.4	14.2	14.3	14.1	14.0
70	9.17	9.60	9.66	10.1	10.2	10.5	10.3	10.4	10.1	10.1	9.96	10.1	9.96	9.84	9.94	9.78	9.79	9.51	9.49
75	3.76	5.38	5.82	6.27	6.44	6.74	6.65	6.74	6.53	6.52	6.19	5.87	5.34	5.70	5.84	5.67	5.68	5.35	5.34
80	1.12	1.91	2.49	2.83	2.93	3.13	3.07	3.15	3.00	2.94	2.49	1.79	1.46	1.81	2.31	2.26	2.26	2.18	2.17
85	0.37	0.62	0.82	1.21	1.33	1.52	1.46	1.53	1.39	1.29	1.01	0.71	0.34	0.49	0.61	0.61	0.66	0.49	0.50
90	0.35	0.36	0.36	0.36	0.36	0.35	0.36	0.36	0.38	0.37	0.37	0.37	0.34	0.34	0.35	0.34	0.34	0.32	0.33
95	0.39	0.41	0.39	0.41	0.39	0.40	0.38	0.40	0.38	0.41	0.38	0.40	0.40	0.37	0.40	0.39	0.40	0.38	0.40
100	0.50	0.51	0.49	0.50	0.48	0.50	0.49	0.49	0.48	0.49	0.49	0.50	0.50	0.48	0.50	0.50	0.51	0.50	0.52
105	0.71	0.70	0.69	0.68	0.66	0.67	0.65	0.66	0.65	0.66	0.66	0.68	0.70	0.70	0.72	0.73	0.74	0.74	0.75
110	1.10	1.06	1.04	1.01	0.99	0.98	0.97	0.96	0.97	0.97	0.99	1.01	1.06	1.10	1.11	1.15	1.15	1.18	1.18
115	1.74	1.67	1.64	1.58	1.57	1.52	1.53	1.50	1.53	1.53	1.57	1.59	1.68	1.76	1.77	1.85	1.85	1.91	1.89
120	2.70	2.58	2.55	2.45	2.44	2.37	2.39	2.34	2.39	2.38	2.46	2.48	2.62	2.74	2.76	2.88	2.88	2.97	2.94
125	3.96	3.83	3.78	3.66	3.64	3.55	3.57	3.52	3.58	3.58	3.69	3.73	3.92	4.04	4.10	4.22	4.25	4.33	4.32
130	5.49	5.35	5.27	5.15	5.11	5.02	5.03	4.99	5.05	5.07	5.19	5.27	5.49	5.63	5.70	5.84	5.88	5.97	5.96
135	7.23	7.08	6.99	6.86	6.80	6.73	6.73	6.70	6.76	6.79	6.93	7.02	7.27	7.43	7.51	7.66	7.70	7.80	7.78
140	9.07	8.91	8.80	8.68	8.62	8.56	8.57	8.54	8.61	8.64	8.78	8.89	9.16	9.31	9.38	9.54	9.59	9.70	9.67
145	10.9	10.7	10.6	10.5	10.4	10.4	10.4	10.4	10.4	10.5	10.6	10.7	11.0	11.1	11.2	11.3	11.4	11.5	11.5
150	12.4	12.3	12.2	12.1	12.1	12.0	12.1	12.1	12.1	12.1	12.3	12.3	12.6	12.7	12.8	12.9	12.9	13.1	13.0
155	13.7	13.5	13.5	13.4	13.4	13.4	13.5	13.4	13.5	13.5	13.6	13.6	13.8	13.9	13.9	14.0	14.1	14.2	14.2
160	14.4	14.4	14.3	14.4	14.5	14.5	14.5	14.5	14.4	14.4	14.4	14.4	14.6	14.7	14.7	14.8	14.9	14.9	15.0
165	15.0	15.0	14.9	15.0	15.1	15.2	15.2	15.2	15.0	15.0	15.0	15.0	15.2	15.3	15.2	15.2	15.3	15.4	15.4
170	15.5	15.5	15.4	15.4	15.4	15.5	15.5	15.5	15.4	15.4	15.5	15.5	15.6	15.7	15.8	15.7	15.6	15.6	15.6
175	16.0	16.0	16.0	16.1	16.1	16.0	15.9	15.9	15.9	16.1	16.1	16.0	16.1	16.2	16.3	16.3	16.2	16.1	16.0
180	16.5	16.5	16.5	16.6	16.5	16.4	16.4	16.3	16.4	16.5	16.4	16.3	16.5	16.4	16.5	16.6	16.5	16.4	16.4

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1616	1616	1616	1616	1616														
5	1593	1597	1599	1604	1606														
10	1512	1521	1524	1536	1543														
15	1349	1367	1367	1389	1396														
20	1095	1115	1114	1142	1150														
25	793	812	810	833	842														
30	499	513	512	529	538														
35	265	274	273	286	291														
40	131	135	135	145	145														
45	68.5	69.5	70.2	74.3	76.2														
50	40.5	41.1	41.4	43.5	44.1														
55	26.8	27.0	27.1	27.9	27.8														
60	19.1	19.2	19.0	19.3	19.0														
65	13.7	13.8	13.5	13.6	13.3														
70	9.24	9.20	8.93	9.01	8.77														
75	5.08	5.13	4.88	4.81	3.58														
80	2.08	2.05	1.98	1.77	1.12														
85	0.42	0.46	0.39	0.37	0.34														
90	0.33	0.33	0.32	0.34	0.33														
95	0.37	0.39	0.38	0.39	0.37														
100	0.50	0.51	0.49	0.50	0.49														
105	0.74	0.75	0.73	0.73	0.72														
110	1.19	1.18	1.18	1.15	1.14														
115	1.93	1.89	1.90	1.83	1.83														
120	2.99	2.93	2.94	2.84	2.82														
125	4.35	4.28	4.27	4.16	4.10														
130	5.98	5.90	5.86	5.74	5.66														
135	7.79	7.70	7.65	7.51	7.42														
140	9.68	9.56	9.49	9.33	9.24														
145	11.5	11.3	11.2	11.1	11.0														
150	13.0	12.8	12.7	12.6	12.5														
155	14.1	14.0	13.9	13.7	13.7														
160	14.9	14.7	14.6	14.4	14.4														
165	15.3	15.2	15.0	14.9	14.9														
170	15.6	15.5	15.4	15.4	15.4														
175	16.0	16.1	16.1	15.9	15.9														
180	16.3	16.4	16.5	16.4	16.3														

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C Interval: 15.0DEG
Test Speed: MEDIUM
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Operators:LGL
Test Date:2021-08-09

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γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
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