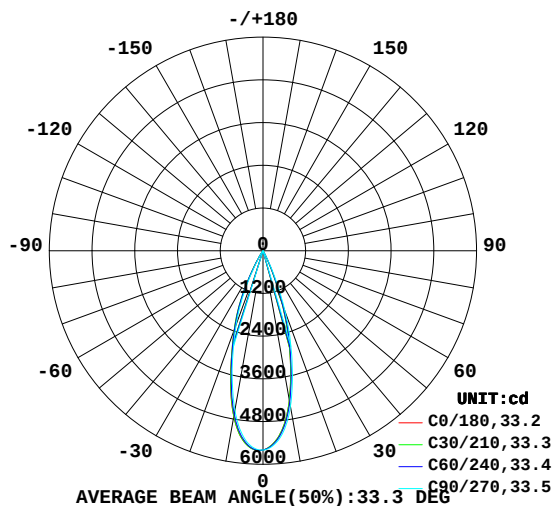


LUMINAIRE PHOTOMETRIC TEST REPORT

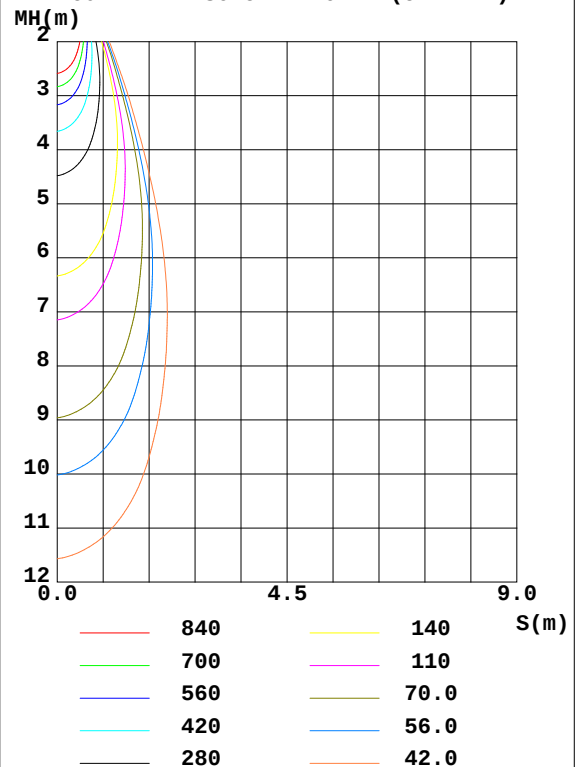
NAME: VM070-VF71RA01-25W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.87 lm/W			
MODEL	BXRE-30G3000-D-73	Imax(cd)	5614	S/MH(C0/180)	0.59
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1891.1	η UP, DN(C0-180)	1.3, 46.0
NOMINAL FLUX(lm)	1891.15	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 51.5
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.5	CIBSE SHR MAX	0.55

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: 2021-08-16

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:

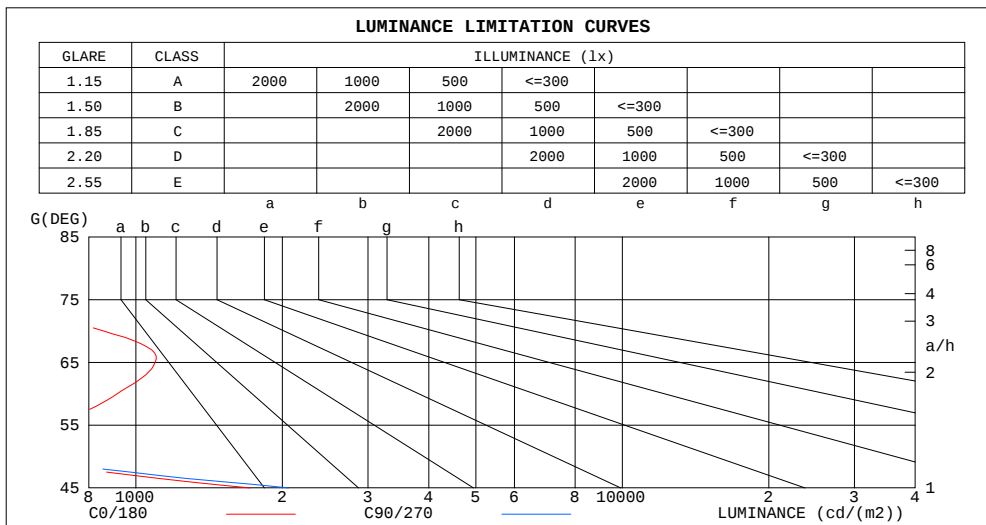
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4265	4327	4443	4664	4731	4665	4551	4354	0- 10	482.9	482.9	25.5, 25.5
20	1581	1615	1825	2233	2363	2316	2213	1863	10- 20	879.8	1363	72.1, 72.1
30	86.78	90.70	121.9	238.4	396.0	442.7	297.9	131.1	20- 30	422.9	1786	94.4, 94.4
40	16.99	16.34	18.26	24.06	35.75	36.24	25.93	19.88	30- 40	45.25	1831	96.8, 96.8
50	1.681	1.134	1.564	3.023	5.093	4.698	3.184	1.856	40- 50	9.047	1840	97.3, 97.3
60	2.466	0.5749	0.7295	0.6625	1.016	1.141	0.6985	0.8440	50- 60	1.676	1842	97.4, 97.4
70	1.580	0.5596	0.5706	0.5340	2.143	0.3154	0.2940	0.3014	60- 70	1.119	1843	97.4, 97.4
80	0.4467	0.4670	0.3757	0.4586	0.4198	0.3042	0.3052	0.3058	70- 80	0.5420	1843	97.5, 97.5
90	0.4180	0.4057	0.3934	0.4389	0.4093	0.3546	0.3471	0.3567	80- 90	0.4155	1844	97.5, 97.5
100	0.6821	0.5753	0.4330	0.6404	1.418	0.4452	0.4068	0.4121	90-100	0.6019	1844	97.5, 97.5
110	0.7785	0.6946	0.5852	0.6738	0.7375	0.5619	0.4886	0.5250	100-110	0.6598	1845	97.6, 97.6
120	2.351	2.447	2.158	1.662	1.604	1.294	1.452	1.930	110-120	1.049	1846	97.6, 97.6
130	7.628	7.559	6.980	5.849	5.418	5.191	5.859	6.885	120-130	3.389	1849	97.8, 97.8
140	16.40	16.04	15.36	13.91	13.14	13.10	13.91	15.32	130-140	7.995	1857	98.2, 98.2
150	24.68	24.65	24.23	23.06	22.39	22.33	23.06	24.17	140-150	12.01	1869	98.8, 98.8
160	27.41	27.18	27.83	27.52	27.67	27.94	28.33	28.15	150-160	12.09	1881	99.5, 99.5
170	22.81	23.01	24.04	24.82	24.76	25.00	24.72	23.67	160-170	7.538	1889	99.9, 99.9
180	21.88	22.33	22.12	22.59	21.88	22.32	22.12	22.59	170-180	2.197	1891	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: 2021-08-16

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: VM070-VF71RA01-25W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	844	811
80	478	400
75	435	269
70	858	308
65	1095	302
60	916	270
55	657	244
50	485	450
45	1718	2059

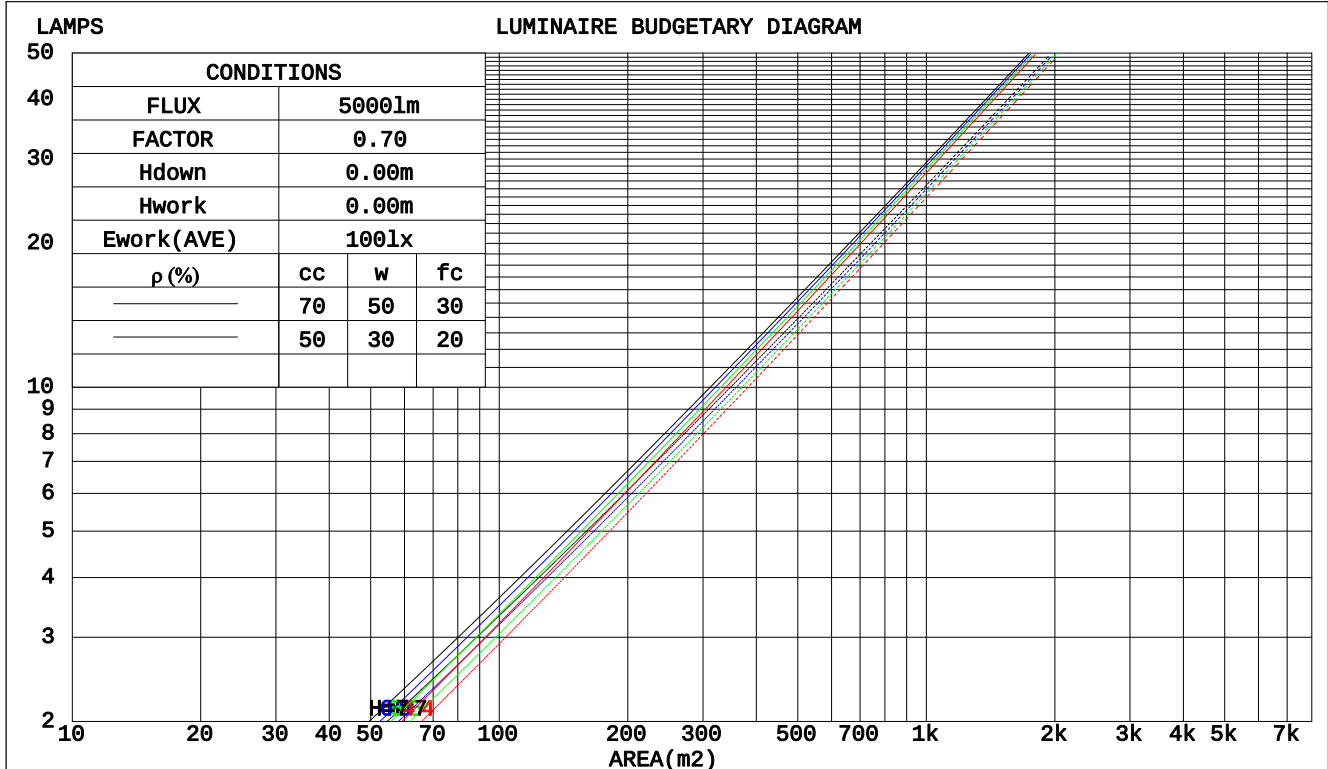
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-16

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: VM070-VF71RA01-25W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	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	.97
1.0	1.12	1.10	1.08	1.09	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.96	.94
2.0	1.06	1.03	1.00	1.04	1.01	.99	1.01	.98	.96	.97	.96	.94	.94	.93	.92	.90
3.0	1.01	.97	.94	.00	.96	.93	.97	.94	.92	.94	.92	.90	.92	.90	.88	.87
4.0	.97	.92	.89	.95	.92	.89	.93	.90	.87	.91	.88	.86	.89	.87	.85	.84
5.0	.93	.88	.85	.92	.88	.85	.90	.86	.84	.88	.85	.83	.86	.84	.82	.81
6.0	.89	.85	.81	.88	.84	.81	.87	.83	.80	.85	.82	.80	.84	.81	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.82	.79	.77	.81	.78	.76	.75
8.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.79	.76	.74	.72
9.0	.80	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.76	.73	.71	.70
10.0	.77	.73	.70	.77	.73	.70	.76	.72	.69	.75	.72	.69	.74	.71	.69	.68



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-16

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: VM070-VF71RA01-25W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	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	.146	.083	.026	.138	.079	.025	.124	.071	.023	.112	.064	.021	.100	.058	.019		
2.0	.135	.074	.023	.129	.071	.022	.118	.065	.020	.107	.060	.019	.097	.055	.017		
3.0	.127	.067	.020	.121	.065	.020	.111	.060	.018	.102	.056	.017	.094	.052	.016		
4.0	.119	.062	.018	.115	.060	.018	.106	.056	.017	.098	.053	.016	.091	.049	.015		
5.0	.113	.057	.017	.109	.056	.016	.101	.053	.016	.094	.050	.015	.088	.047	.014		
6.0	.107	.054	.015	.103	.052	.015	.097	.050	.014	.091	.047	.014	.085	.045	.013		
7.0	.102	.050	.014	.099	.049	.014	.093	.047	.014	.088	.045	.013	.083	.043	.013		
8.0	.097	.048	.013	.095	.047	.013	.090	.045	.013	.085	.043	.012	.080	.041	.012		
9.0	.093	.045	.013	.091	.044	.012	.086	.043	.012	.082	.041	.012	.078	.040	.011		
10.0	.089	.043	.012	.087	.042	.012	.083	.041	.011	.079	.039	.011	.076	.038	.011		

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	.161	.152	.143	.110	.104	.099	.063	.060	.058	.020	.019	.019		
2.0	.171	.152	.136	.146	.131	.118	.100	.091	.082	.058	.053	.048	.019	.017	.016		
3.0	.156	.133	.114	.134	.115	.099	.092	.080	.069	.053	.047	.041	.017	.015	.013		
4.0	.144	.118	.097	.124	.102	.085	.085	.071	.060	.049	.042	.035	.016	.014	.012		
5.0	.134	.106	.084	.115	.091	.073	.079	.064	.052	.046	.037	.031	.015	.012	.010		
6.0	.126	.096	.074	.108	.083	.065	.075	.058	.046	.043	.034	.027	.014	.011	.009		
7.0	.119	.088	.066	.102	.076	.058	.070	.053	.041	.041	.031	.024	.013	.010	.008		
8.0	.112	.081	.060	.097	.070	.052	.067	.049	.037	.039	.029	.022	.013	.010	.007		
9.0	.107	.076	.055	.092	.066	.048	.064	.046	.034	.037	.027	.020	.012	.009	.007		
10.0	.102	.071	.050	.088	.062	.044	.061	.043	.031	.036	.026	.019	.012	.008	.006		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-16

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: VM070-VF71RA01-25W						TYPE:indoor lights			WEIGHT:1		
SPEC.:3000K-CRI90-38D						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		1.4	2.1	1.7	2.3	2.5	1.7	2.4	1.9	2.6	2.7
3H		1.5	2.2	1.8	2.4	2.6	1.6	2.2	1.8	2.4	2.7
4H		1.5	2.1	1.8	2.4	2.6	1.5	2.1	1.8	2.4	2.6
6H		1.5	2.1	1.9	2.4	2.7	1.5	2.0	1.8	2.3	2.6
8H		1.6	2.1	1.9	2.4	2.7	1.5	2.0	1.8	2.3	2.6
12H		1.6	2.1	2.0	2.4	2.8	1.5	2.0	1.9	2.3	2.7
4H	2H	1.2	1.8	1.5	2.0	2.3	1.4	2.0	1.7	2.3	2.6
	3H	1.3	1.8	1.7	2.1	2.5	1.3	1.9	1.7	2.2	2.5
	4H	1.3	1.8	1.7	2.1	2.5	1.3	1.8	1.7	2.1	2.5
	6H	1.4	1.8	1.8	2.2	2.6	1.3	1.7	1.7	2.1	2.5
	8H	1.5	1.9	1.9	2.3	2.7	1.3	1.7	1.7	2.1	2.5
	12H	1.6	2.0	2.1	2.4	2.8	1.4	1.8	1.9	2.2	2.6
8H	4H	1.2	1.6	1.7	2.0	2.4	1.2	1.6	1.6	2.0	2.4
	6H	1.4	1.7	1.8	2.1	2.6	1.2	1.6	1.7	2.0	2.5
	8H	1.5	1.8	2.0	2.3	2.8	1.3	1.6	1.8	2.1	2.6
	12H	1.8	2.1	2.3	2.6	3.1	1.5	1.8	2.0	2.3	2.8
12H	4H	1.2	1.5	1.6	2.0	2.4	1.1	1.5	1.6	1.9	2.4
	6H	1.3	1.6	1.8	2.1	2.6	1.2	1.5	1.7	2.0	2.5
	8H	1.6	1.8	2.1	2.3	2.8	1.3	1.6	1.9	2.1	2.6
Variations with the observer position at spacings:											
S = 1.0H		+ 2.4 / - 3.3					+ 3.5 / - 5.1				
1.5H		+ 4.7 / - 4.1					+ 5.8 / - 5.3				
2.0H		+ 3.5 / - 1.5					+ 5.3 / - 1.4				

CIE Pub.117, 1891 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.2$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-16

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: VM070-VF71RA01-25W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

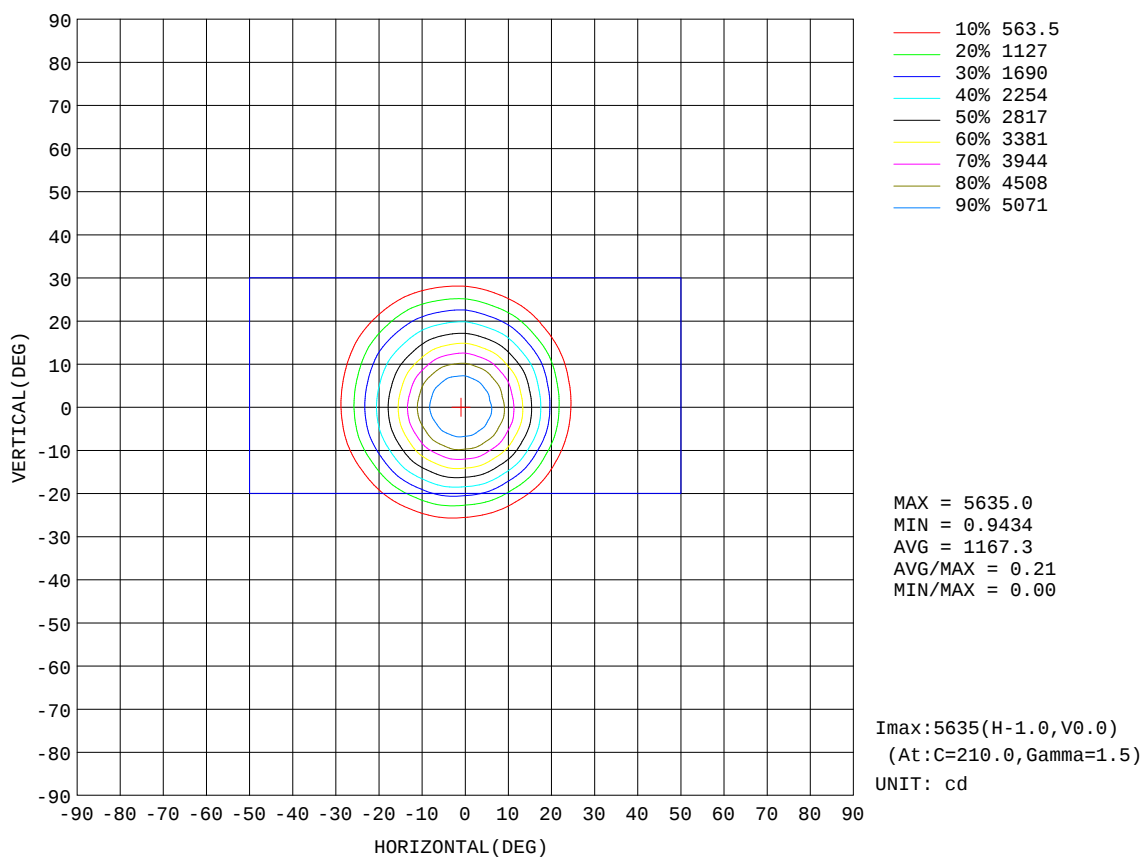
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	90	84	80	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	94	90	87	84
1.00	100	95	92	99	95	92	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	90
1.50	106	102	99	105	101	98	103	100	97	92
2.00	109	105	102	107	104	101	104	101	99	94
2.50	110	107	104	109	105	103	105	103	101	94
3.00	112	109	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	113	111	109	108	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-16

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: VM070-VF71RA01-25W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

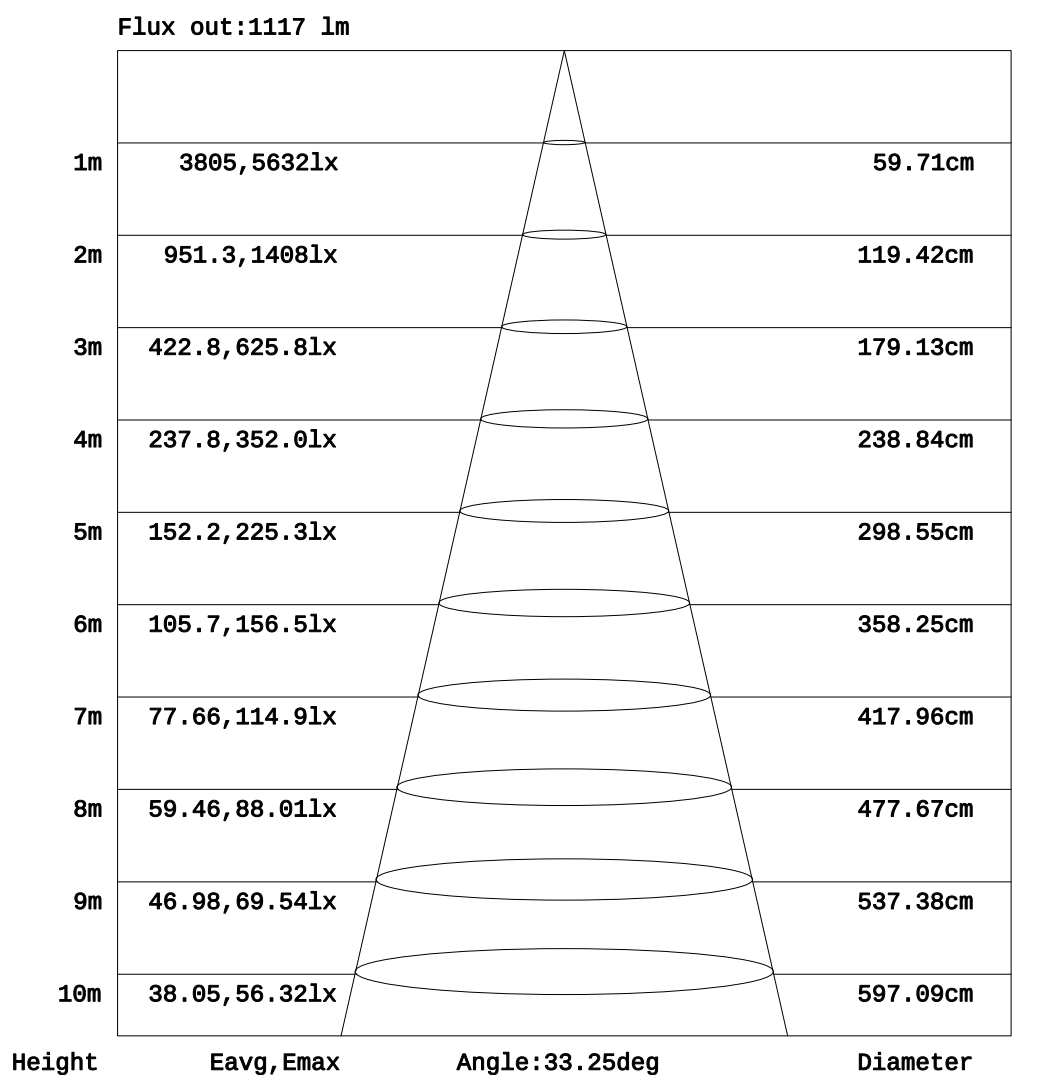


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-16

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: VM070-VF71RA01-25W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



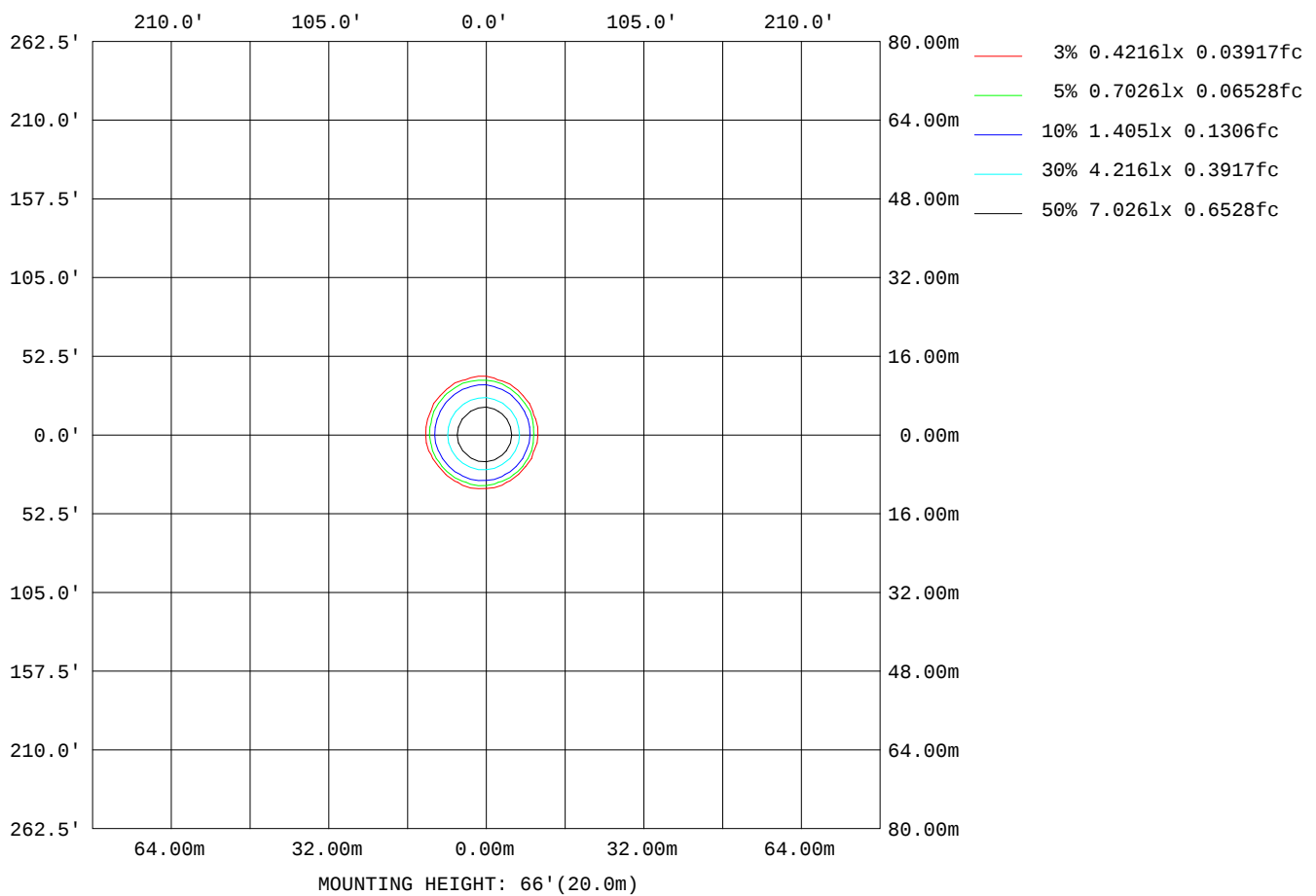
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-16

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: VM070-VF71RA01-25W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-16

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: VM070-VF71RA01-25W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

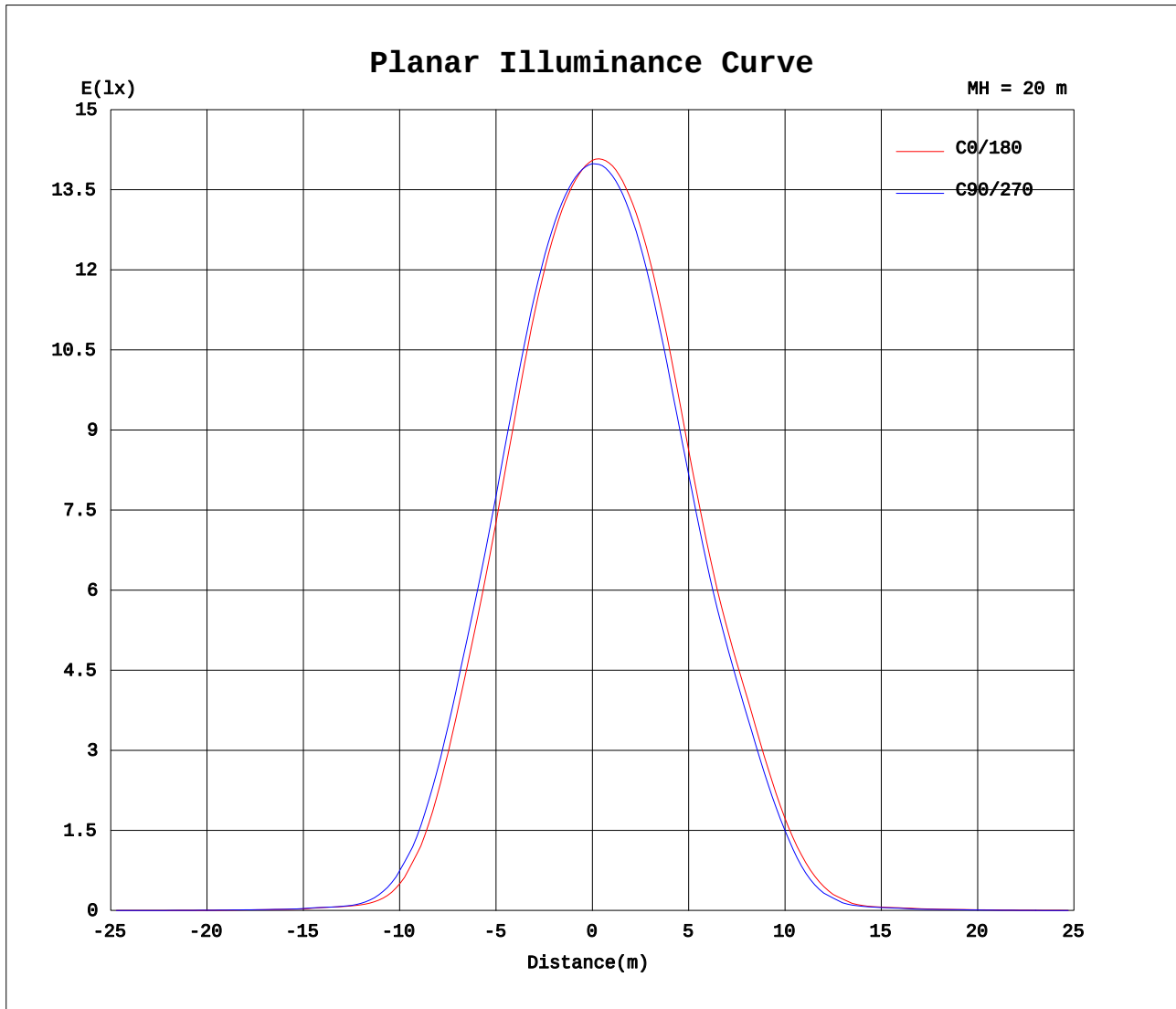
AvgL	cd/m2
L_0~180(65)av	966
L_0~180(75)av	591
L_0~180(85)av	794
L_90~270(65)av	266
L_90~270(75)av	241
L_90~270(85)av	746
L_45(65)av	281
L_45(75)av	287
L_45(85)av	811

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-16

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: 2021-08-16

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: VM070-VF71RA01-25W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	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	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599	5599
5	5214	5227	5213	5245	5247	5290	5302	5349	5364	5409	5417	5455	5452	5443	5455	5427	5426	5386	5371
10	4265	4293	4264	4327	4329	4422	4443	4545	4569	4664	4671	4748	4731	4702	4723	4665	4659	4576	4551
15	2910	2939	2909	2981	2983	3101	3149	3275	3317	3439	3445	3528	3515	3471	3503	3436	3444	3364	3338
20	1581	1586	1539	1615	1625	1760	1825	1995	2080	2233	2268	2363	2363	2343	2377	2316	2332	2253	2213
25	486	466	468	499	522	589	642	779	861	1020	1101	1270	1299	1310	1383	1348	1332	1226	1153
30	86.8	84.7	81.9	90.7	92.8	119	122	168	185	238	278	364	396	419	453	443	415	340	298
35	41.7	41.3	39.8	41.0	40.9	42.9	43.8	45.8	46.6	51.9	57.7	64.8	70.3	73.8	83.6	82.8	77.0	65.1	58.6
40	17.0	16.5	15.9	16.3	16.6	17.5	18.3	19.9	21.1	24.1	27.4	33.1	35.8	36.8	38.6	36.2	34.1	28.9	25.9
45	6.54	6.34	5.87	6.19	6.24	7.17	7.88	9.57	10.9	13.1	14.7	16.9	18.3	18.7	19.2	18.0	17.0	15.2	13.9
50	1.68	1.34	1.13	1.13	1.12	1.39	1.56	2.03	2.34	3.02	3.59	4.50	5.09	6.28	5.50	4.70	4.35	3.58	3.18
55	2.03	1.09	0.74	0.65	0.68	0.75	0.76	0.75	0.70	0.71	0.79	0.99	1.18	2.01	7.24	1.00	0.81	0.71	0.70
60	2.47	1.37	0.65	0.57	0.61	0.70	0.73	0.73	0.69	0.66	0.71	0.85	1.02	1.33	2.82	1.14	0.73	0.70	0.70
65	2.49	1.17	0.59	0.56	0.56	0.64	0.69	0.67	0.61	0.56	0.56	0.96	1.92	3.42	0.98	0.82	0.60	0.55	0.53
70	1.58	0.76	0.58	0.56	0.52	0.54	0.57	0.60	0.56	0.53	0.56	0.86	2.14	3.66	0.89	0.32	0.30	0.30	0.29
75	0.61	0.51	0.53	0.51	0.43	0.36	0.38	0.39	0.42	0.49	0.54	0.57	1.05	0.83	0.32	0.31	0.30	0.29	0.30
80	0.45	0.51	0.51	0.47	0.43	0.38	0.38	0.37	0.40	0.46	0.51	0.51	0.42	0.34	0.44	0.30	0.30	0.30	0.31
85	0.40	0.50	0.42	0.43	0.40	0.39	0.38	0.39	0.39	0.46	0.43	0.49	0.35	0.32	0.33	0.32	0.31	0.31	0.32
90	0.42	0.46	0.41	0.41	0.41	0.41	0.39	0.40	0.41	0.44	0.42	0.49	0.41	0.40	0.38	0.35	0.35	0.34	0.35
95	1.56	0.62	0.57	0.48	0.42	0.42	0.41	0.42	0.44	0.53	0.60	0.65	0.86	0.79	0.53	0.41	0.38	0.37	0.38
100	0.68	0.58	0.62	0.58	0.43	0.44	0.43	0.45	0.50	0.64	0.69	0.72	1.42	2.13	0.93	0.45	0.41	0.40	0.41
105	0.67	0.66	0.61	0.57	0.47	0.47	0.46	0.46	0.51	0.62	0.69	0.79	0.89	0.77	1.01	0.51	0.44	0.43	0.44
110	0.78	0.80	0.75	0.69	0.58	0.60	0.59	0.54	0.56	0.67	0.69	0.75	0.74	0.79	1.11	0.56	0.47	0.48	0.49
115	1.21	1.28	1.28	1.22	1.08	1.07	1.05	0.88	0.85	0.88	0.91	0.93	0.96	1.06	1.28	0.69	0.63	0.69	0.71
120	2.35	2.46	2.52	2.45	2.29	2.22	2.16	1.88	1.74	1.66	1.62	1.55	1.60	1.59	1.40	1.29	1.24	1.40	1.45
125	4.46	4.56	4.68	4.41	4.33	4.23	4.11	3.73	3.43	3.31	3.20	2.98	2.96	2.96	2.72	2.75	2.75	3.01	3.11
130	7.63	7.71	7.84	7.56	7.35	7.17	6.98	6.55	6.20	5.85	5.83	5.50	5.42	5.38	5.13	5.19	5.72	5.74	5.86
135	11.7	11.7	11.8	11.5	11.4	11.1	10.7	10.3	9.95	9.50	9.34	9.03	8.87	8.83	8.64	8.75	10.1	9.70	9.66
140	16.4	16.3	16.3	16.0	16.0	15.7	15.4	14.8	14.4	13.9	13.7	13.3	13.1	13.2	12.9	13.1	14.3	14.2	13.9
145	20.8	20.8	20.9	20.8	20.7	20.3	20.1	19.5	19.2	18.6	18.4	18.0	17.9	17.8	17.7	17.8	17.9	18.9	18.6
150	24.7	24.7	24.8	24.7	24.7	24.4	24.2	23.8	23.5	23.1	22.8	22.5	22.4	22.3	22.2	22.3	22.4	22.8	23.1
155	27.0	27.1	27.0	27.0	27.1	27.1	27.0	26.9	26.7	26.2	26.1	26.0	25.9	25.8	25.7	25.8	25.9	26.3	26.4
160	27.4	27.5	27.3	27.2	27.4	27.7	27.8	28.0	27.8	27.5	27.7	27.8	27.7	27.5	27.6	27.9	28.0	27.9	28.3
165	25.5	25.5	25.2	25.5	25.7	26.1	26.4	26.7	26.7	26.9	27.0	27.3	27.1	27.0	27.2	27.4	27.6	27.9	28.1
170	22.8	22.8	22.8	23.0	23.4	23.8	24.0	24.3	24.4	24.8	25.1	25.2	24.8	24.9	25.1	25.0	24.9	24.8	24.7
175	21.4	21.5	21.6	21.9	22.1	22.0	22.1	22.3	22.6	23.1	23.3	23.1	22.7	22.8	23.1	23.2	23.0	22.8	22.6
180	21.9	21.9	22.0	22.3	22.1	22.0	22.1	22.1	22.2	22.6	22.4	22.2	21.9	21.9	22.1	22.3	22.2	22.0	22.1

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-16

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: VM070-VF71RA01-25W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	5599	5599	5599	5599	5599													
5	5320	5302	5258	5249	5215													
10	4461	4438	4354	4343	4271													
15	3225	3181	3068	3040	2934													
20	2079	2022	1863	1793	1639													
25	987	883	703	625	531													
30	221	185	131	122	94.8													
35	52.9	49.4	46.9	45.3	42.2													
40	22.8	21.5	19.9	18.7	17.3													
45	11.9	10.9	9.33	8.33	6.92													
50	2.55	2.27	1.86	1.68	2.03													
55	0.70	0.71	0.77	2.90	12.8													
60	0.71	0.72	0.84	6.40	6.03													
65	0.48	0.47	0.63	2.56	3.87													
70	0.29	0.29	0.30	1.00	2.52													
75	0.29	0.29	0.30	0.32	0.62													
80	0.30	0.30	0.31	0.35	0.37													
85	0.31	0.33	0.32	0.37	0.35													
90	0.34	0.36	0.36	0.40	0.40													
95	0.36	0.38	0.41	0.63	1.58													
100	0.40	0.40	0.41	0.45	0.71													
105	0.43	0.46	0.45	0.65	0.81													
110	0.50	0.52	0.52	0.63	0.77													
115	0.78	0.82	0.89	1.00	1.20													
120	1.64	1.79	1.93	2.08	2.32													
125	3.43	3.70	4.11	4.00	4.41													
130	6.31	6.81	6.88	7.85	7.56													
135	10.3	11.2	10.8	12.0	11.8													
140	14.8	15.9	15.3	15.6	16.2													
145	19.2	19.6	20.0	20.3	20.8													
150	23.5	23.8	24.2	24.4	24.8													
155	26.7	26.8	26.9	27.0	27.1													
160	28.0	28.1	28.2	27.8	27.5													
165	27.5	26.9	26.3	26.0	25.8													
170	24.4	24.1	23.7	23.6	23.4													
175	22.5	22.6	22.6	22.1	22.0													
180	22.1	22.2	22.6	22.4	22.2													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-16

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: