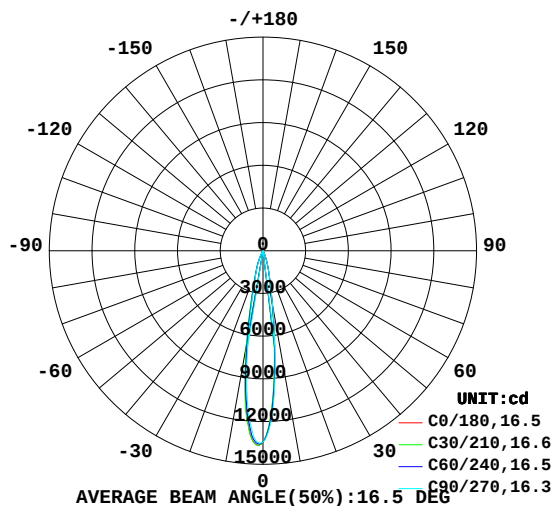


LUMINAIRE PHOTOMETRIC TEST REPORT

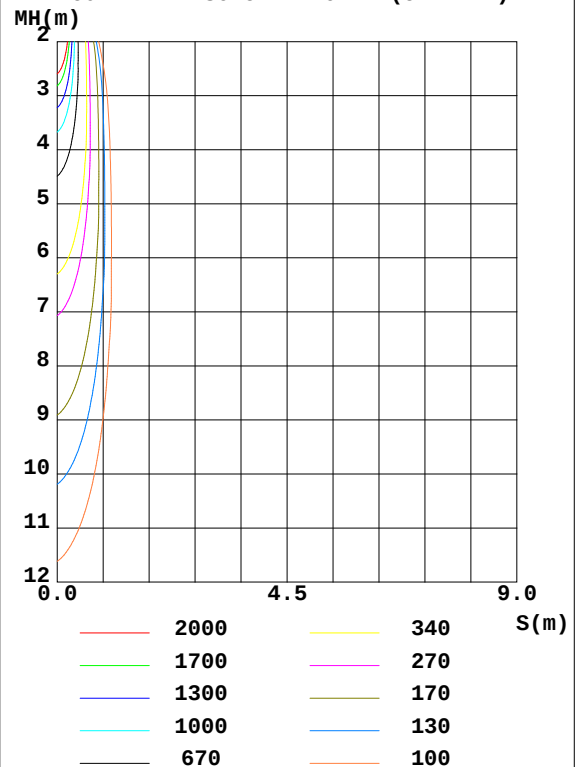
NAME: VM070-VF71RA01-25W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.40 lm/W			
MODEL	BXRE-30G3000-D-73	Imax(cd)	13669	S/MH(C0/180)	0.33
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.31
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1721.7	η UP, DN(C0-180)	1.3, 43.7
NOMINAL FLUX(lm)	1721.73	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 53.7
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	97.4	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: 2021-08-16

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:

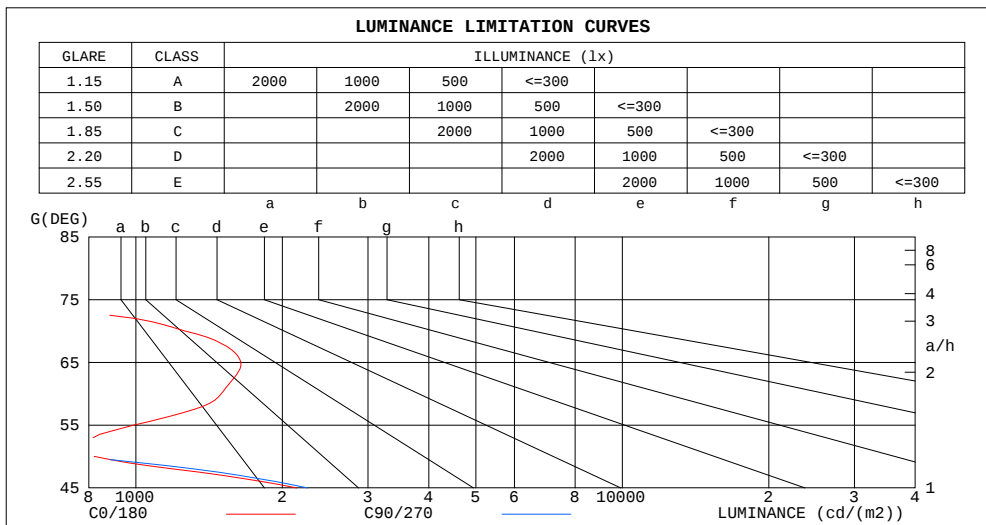
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	377.9	387.5	391.9	506.1	650.5	641.7	579.3	453.6	0- 10	816.4	816.4	47.4, 47.4
20	75.85	74.48	77.19	101.0	128.1	126.8	120.7	92.29	10- 20	611.3	1428	82.9, 82.9
30	11.83	12.56	12.83	14.81	16.07	15.32	15.16	12.54	20- 30	197.5	1625	94.4, 94.4
40	1.705	1.655	1.764	2.078	2.562	2.325	2.224	1.778	30- 40	38.09	1663	96.6, 96.6
50	0.2841	0.2340	0.2654	0.4253	0.6566	0.5320	0.4222	0.3091	40- 50	8.295	1672	97.1, 97.1
60	0.4033	0.0834	0.1011	0.0956	0.1516	0.1677	0.1070	0.1347	50- 60	2.577	1674	97.2, 97.2
70	0.2320	0.0749	0.0752	0.0717	0.3157	0.0346	0.0307	0.0345	60- 70	1.484	1676	97.3, 97.3
80	0.0519	0.0532	0.0389	0.0523	0.0516	0.0317	0.0303	0.0323	70- 80	0.6850	1676	97.4, 97.4
90	0.0400	0.0385	0.0378	0.0453	0.0453	0.0383	0.0347	0.0372	80- 90	0.4291	1677	97.4, 97.4
100	0.0854	0.0670	0.0464	0.0766	0.2565	0.0528	0.0456	0.0470	90-100	0.7844	1678	97.4, 97.4
110	0.0893	0.0738	0.0650	0.0800	0.0990	0.0740	0.0571	0.0581	100-110	0.8422	1678	97.5, 97.5
120	0.1511	0.1593	0.1541	0.1373	0.1580	0.1094	0.1082	0.1213	110-120	0.9791	1679	97.5, 97.5
130	0.5173	0.4983	0.4727	0.3910	0.3770	0.3350	0.3754	0.4437	120-130	2.232	1682	97.7, 97.7
140	1.602	1.535	1.513	1.333	1.245	1.232	1.294	1.475	130-140	6.731	1688	98.1, 98.1
150	2.479	2.461	2.471	2.397	2.323	2.302	2.346	2.443	140-150	12.28	1701	98.8, 98.8
160	2.704	2.614	2.719	2.718	2.781	2.800	2.838	2.822	150-160	12.07	1713	99.5, 99.5
170	1.874	1.808	2.005	2.158	2.303	2.245	2.271	2.043	160-170	7.243	1720	99.9, 99.9
180	1.474	1.505	1.509	1.551	1.476	1.503	1.509	1.550	170-180	1.719	1722	100, 100
DEG	LUMINOUS INTENSITY:×10cd									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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	834	802
80	555	414
75	586	304
70	1260	406
65	1644	396
60	1498	373
55	991	337
50	821	763
45	2141	2255

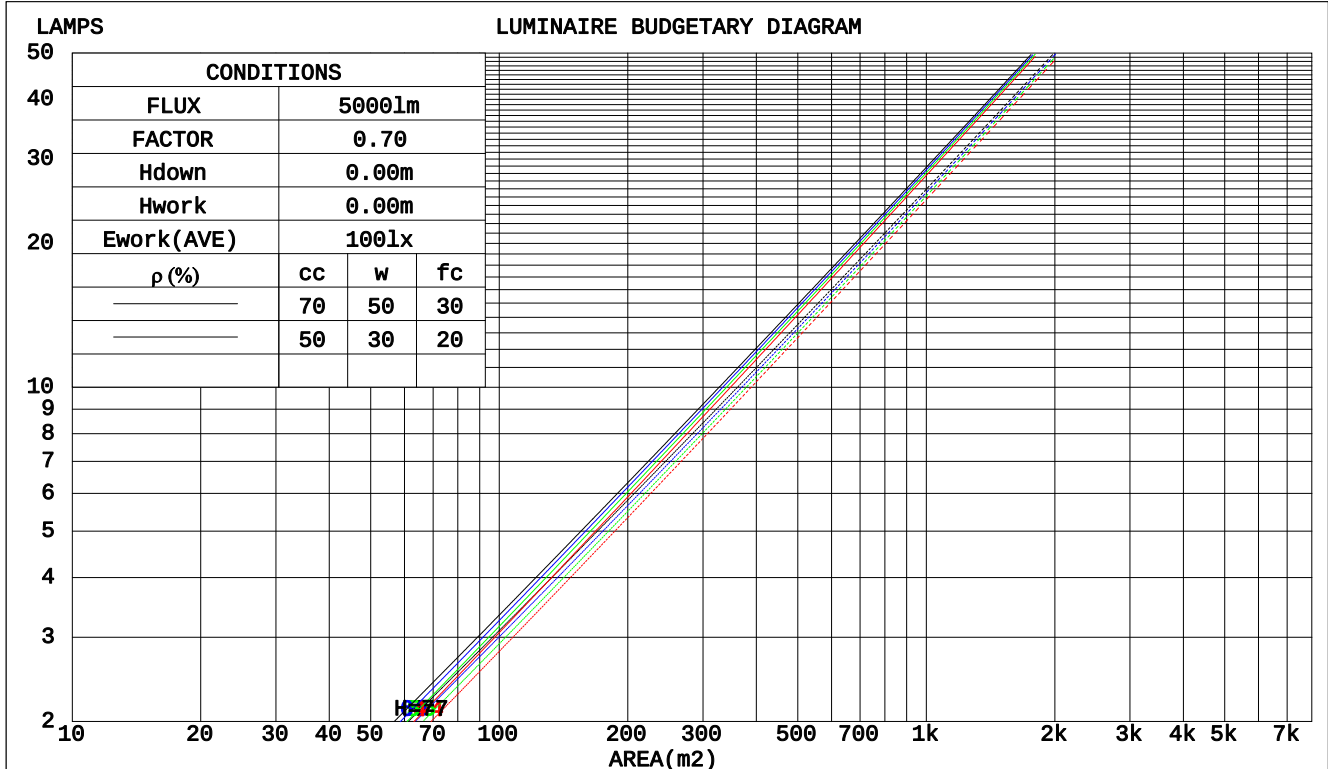
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-16

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-CRI90-15D	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	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.13	1.11	1.09	1.10	1.09	1.07	1.06	1.05	1.03	1.02	1.01	.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	.91	.90
4.0	1.00	.96	.94	.99	.95	.93	.97	.94	.92	.94	.92	.90	.92	.91	.89	.88
5.0	.97	.93	.90	.96	.92	.90	.94	.91	.89	.92	.90	.88	.91	.89	.87	.86
6.0	.94	.90	.88	.93	.90	.87	.92	.89	.86	.90	.88	.86	.89	.87	.85	.84
7.0	.92	.88	.85	.91	.87	.85	.90	.86	.84	.88	.86	.84	.87	.85	.83	.82
8.0	.89	.85	.83	.89	.85	.83	.88	.84	.82	.86	.84	.82	.86	.83	.81	.80
9.0	.87	.83	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.84	.81	.80	.79
10.0	.85	.82	.79	.85	.81	.79	.84	.81	.79	.83	.80	.78	.82	.80	.78	.77



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-CRI90-15D	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	.130	.074	.023	.123	.070	.022	.109	.062	.020	.096	.055	.018	.084	.049	.016		
2.0	.119	.065	.020	.113	.062	.019	.102	.057	.018	.091	.051	.016	.081	.046	.015		
3.0	.110	.059	.018	.105	.056	.017	.096	.052	.016	.087	.047	.015	.078	.043	.013		
4.0	.103	.053	.016	.098	.052	.015	.090	.048	.014	.082	.044	.013	.075	.041	.012		
5.0	.096	.049	.014	.092	.047	.014	.085	.044	.013	.079	.042	.012	.073	.039	.012		
6.0	.091	.045	.013	.087	.044	.013	.081	.042	.012	.075	.039	.012	.070	.037	.011		
7.0	.086	.042	.012	.083	.041	.012	.077	.039	.011	.072	.037	.011	.067	.035	.010		
8.0	.081	.040	.011	.079	.039	.011	.074	.037	.011	.069	.035	.010	.065	.033	.010		
9.0	.077	.037	.010	.075	.037	.010	.071	.035	.010	.067	.033	.010	.063	.032	.009		
10.0	.074	.035	.010	.072	.035	.010	.068	.033	.009	.064	.032	.009	.061	.031	.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	.180	.180	.180	.123	.123	.123	.070	.070	.070	.023	.023	.023	
1.0	.188	.178	.169	.161	.153	.145	.110	.105	.100	.063	.061	.058	.020	.020	.019	
2.0	.169	.153	.139	.145	.132	.120	.099	.091	.084	.057	.053	.049	.018	.017	.016	
3.0	.154	.133	.117	.132	.115	.102	.091	.080	.071	.052	.047	.042	.017	.015	.014	
4.0	.141	.118	.100	.121	.102	.087	.083	.071	.061	.048	.042	.036	.016	.014	.012	
5.0	.130	.106	.088	.112	.091	.076	.077	.064	.054	.045	.038	.032	.014	.012	.011	
6.0	.121	.096	.077	.104	.083	.067	.072	.058	.048	.042	.034	.028	.013	.011	.009	
7.0	.113	.087	.069	.097	.076	.060	.067	.053	.043	.039	.031	.025	.013	.010	.008	
8.0	.106	.080	.063	.092	.070	.055	.063	.049	.039	.037	.029	.023	.012	.009	.008	
9.0	.101	.075	.057	.087	.065	.050	.060	.046	.035	.035	.027	.021	.011	.009	.007	
10.0	.096	.070	.053	.082	.061	.046	.057	.043	.033	.033	.025	.020	.011	.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-CRI90-15D						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						3.4	4.0	3.7	4.2	4.4	3.8
3H						3.6	4.2	3.9	4.4	4.6	3.7
4H						3.6	4.2	3.9	4.4	4.7	3.6
6H						3.6	4.1	4.0	4.4	4.7	3.6
8H						3.6	4.1	4.0	4.4	4.7	3.6
12H						3.7	4.1	4.0	4.4	4.7	3.6
4H 2H						3.2	3.7	3.5	4.0	4.2	3.6
3H						3.4	3.9	3.8	4.2	4.5	3.5
4H						3.5	3.9	3.8	4.2	4.6	3.4
6H						3.5	3.9	3.9	4.2	4.6	3.4
8H						3.5	3.9	4.0	4.3	4.7	3.4
12H						3.6	3.9	4.1	4.3	4.8	3.4
8H 4H						3.3	3.7	3.8	4.1	4.5	3.3
6H						3.4	3.7	3.9	4.2	4.6	3.3
8H						3.6	3.8	4.0	4.3	4.8	3.3
12H						3.7	4.0	4.2	4.4	5.0	3.4
12H 4H						3.3	3.6	3.7	4.0	4.5	3.3
6H						3.4	3.7	3.9	4.1	4.6	3.3
8H						3.5	3.8	4.1	4.3	4.8	3.3
Variations with the observer position at spacings:											
S = 1.0H						+ 1.8 / - 2.7			+ 2.7 / - 4.2		
1.5H						+ 3.7 / - 3.6			+ 4.7 / - 4.5		
2.0H						+ 3.3 / - 1.9			+ 4.7 / - 1.7		

CIE Pub.117, 1722 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.9$)

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

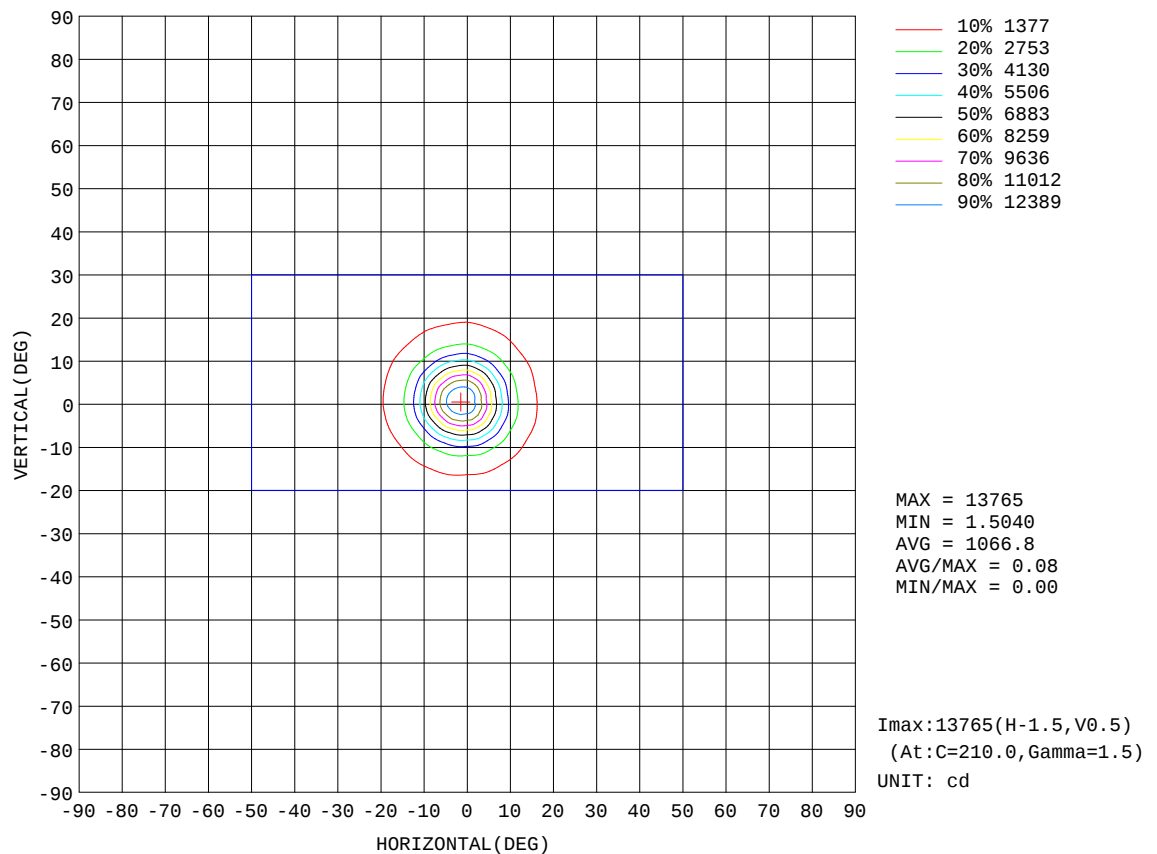
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	90	84	80	89	84	80	88	83	80	77
0.80	96	91	88	96	91	88	94	90	87	84
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	104	101	99	93
2.50	110	107	104	108	105	103	105	103	101	94
3.00	112	108	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	112	111	109	108	107	106	97
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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

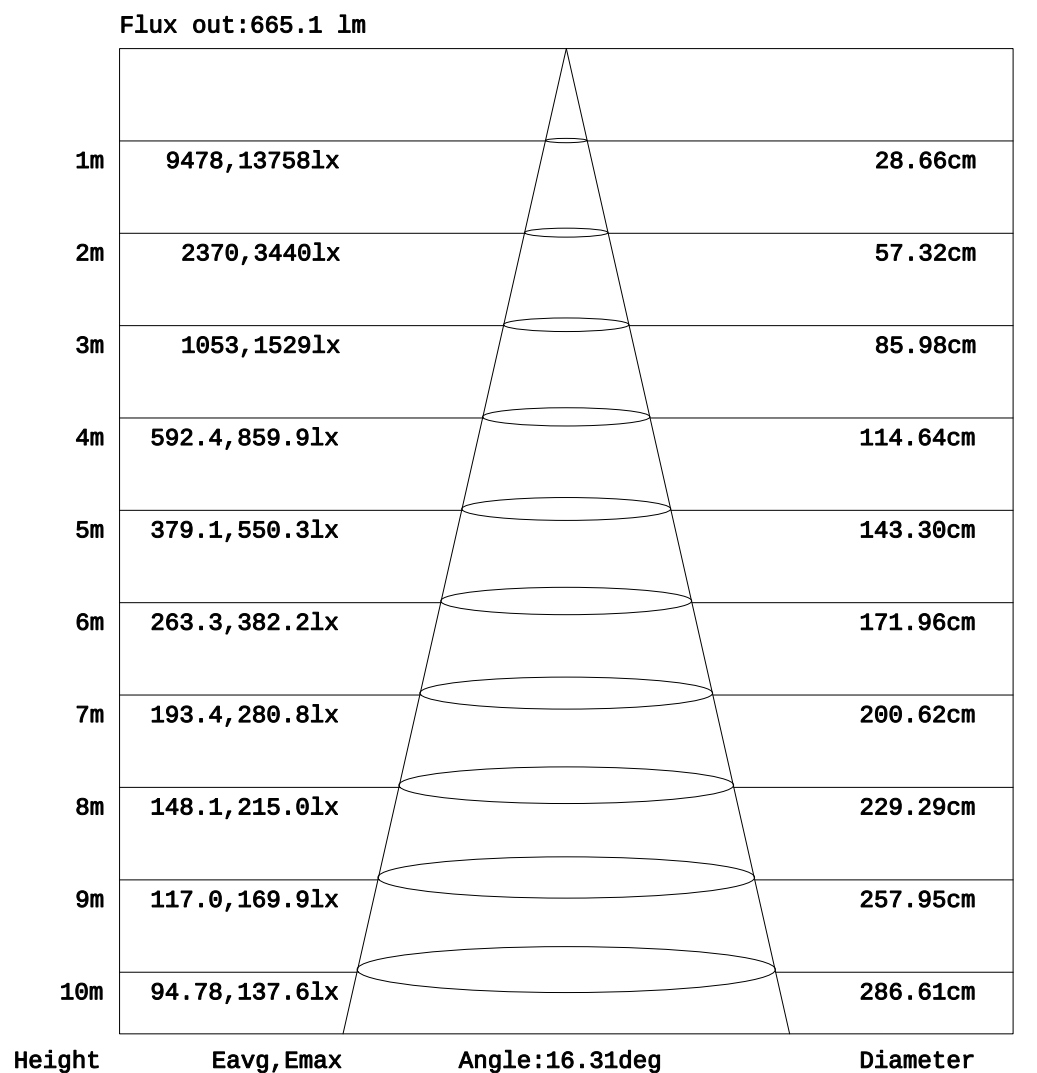


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-16

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



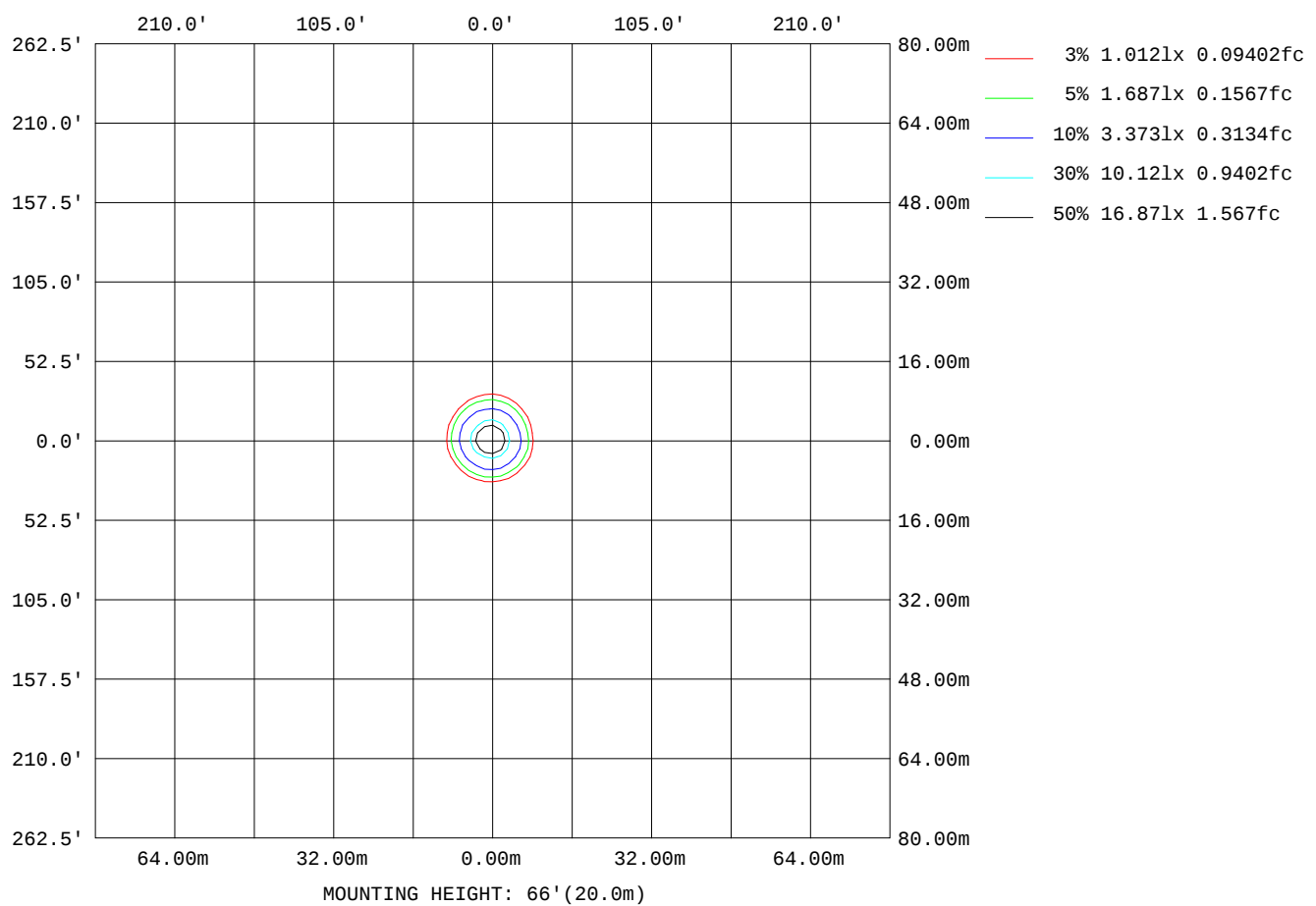
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

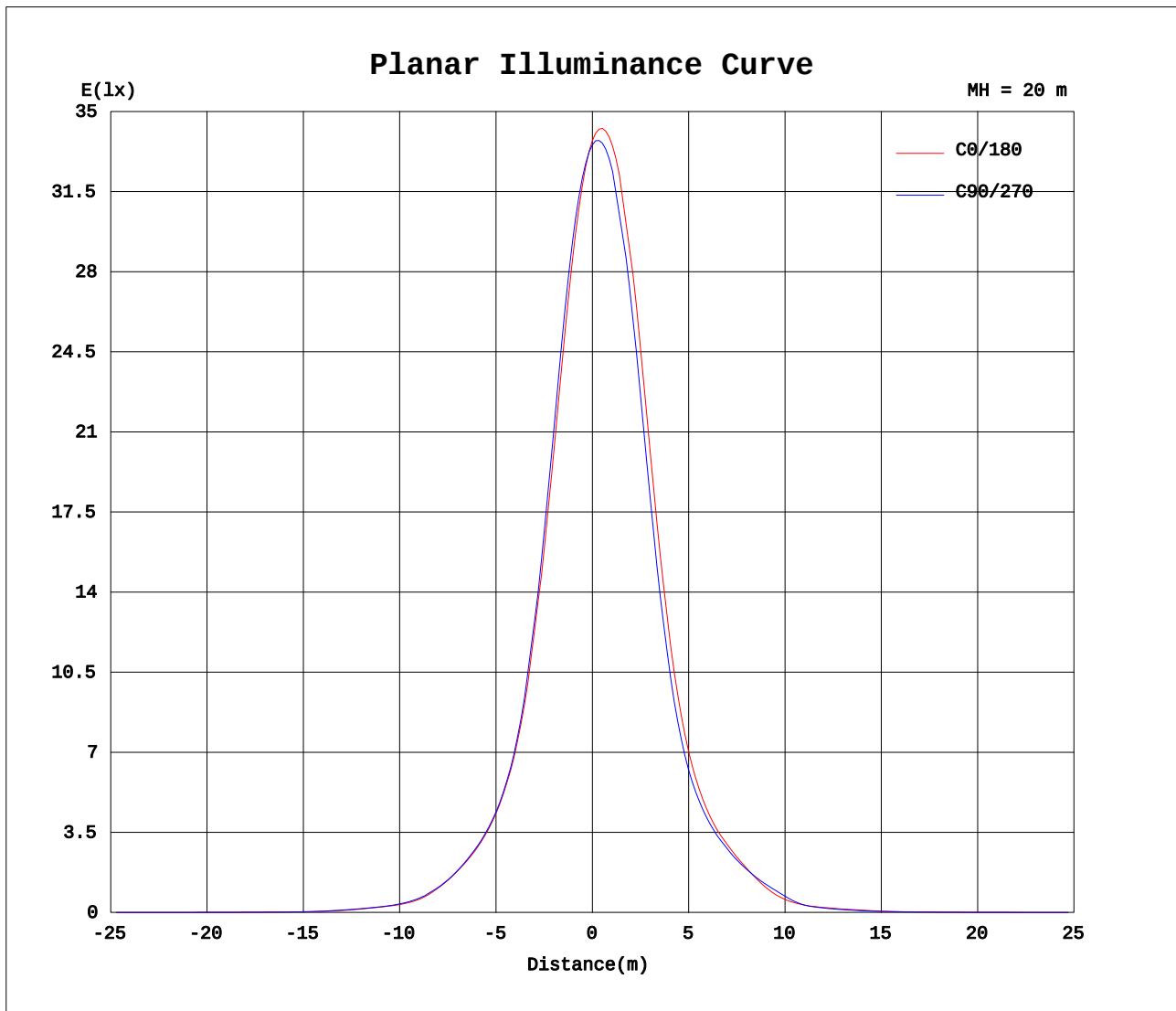
AvgL	cd/m2
L_0~180(65)av	1260
L_0~180(75)av	874
L_0~180(85)av	809
L_90~270(65)av	369
L_90~270(75)av	260
L_90~270(85)av	734
L_45(65)av	392
L_45(75)av	334
L_45(85)av	861

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343
5	903	906	895	920	923	949	948	996	1033	1102	1142	1197	1213	1223	1222	1204	1189	1165	1159
10	378	382	371	387	382	400	392	423	452	506	553	622	650	659	675	642	627	588	579
15	163	164	159	163	161	168	167	179	187	206	219	247	260	262	269	253	250	235	235
20	75.8	76.8	73.0	74.5	73.4	77.1	77.2	85.6	90.5	101	107	121	128	130	134	127	128	121	121
25	25.7	26.9	25.9	27.6	28.0	29.3	28.2	31.3	32.3	35.6	37.9	44.1	47.6	50.2	54.1	55.1	59.2	56.8	57.4
30	11.8	12.3	12.0	12.6	12.7	13.1	12.8	13.7	13.9	14.8	15.1	16.1	16.1	15.8	16.2	15.3	16.0	14.5	15.2
35	3.84	4.06	3.95	4.19	4.22	4.57	4.62	5.25	5.68	6.28	6.63	7.34	7.50	7.36	7.26	6.58	6.46	5.95	5.97
40	1.70	1.83	1.69	1.66	1.64	1.70	1.76	1.95	2.00	2.08	2.11	2.32	2.56	2.63	2.60	2.33	2.25	2.15	2.22
45	0.82	0.83	0.78	0.82	0.82	0.87	0.86	0.98	1.01	1.10	1.16	1.27	1.37	1.41	1.38	1.26	1.22	1.14	1.13
50	0.28	0.23	0.21	0.23	0.24	0.28	0.27	0.31	0.35	0.43	0.49	0.58	0.66	0.97	0.63	0.53	0.51	0.44	0.42
55	0.31	0.17	0.10	0.09	0.10	0.10	0.10	0.11	0.10	0.10	0.12	0.16	0.23	0.98	1.32	0.14	0.11	0.10	0.10
60	0.40	0.20	0.09	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.13	0.15	0.25	0.65	0.17	0.11	0.10	0.11
65	0.37	0.18	0.08	0.07	0.07	0.08	0.09	0.09	0.08	0.08	0.08	0.12	0.20	0.32	0.13	0.12	0.08	0.07	0.08
70	0.23	0.12	0.08	0.07	0.07	0.07	0.08	0.08	0.08	0.07	0.07	0.12	0.32	0.45	0.08	0.03	0.03	0.03	0.03
75	0.08	0.06	0.07	0.06	0.05	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.16	0.11	0.03	0.03	0.03	0.03	0.03
80	0.05	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.05	0.06	0.06	0.05	0.04	0.06	0.03	0.03	0.03	0.03
85	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.06	0.04	0.03	0.03	0.03	0.03	0.03	0.03
90	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03
95	0.33	0.07	0.07	0.05	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.08	0.14	0.14	0.06	0.05	0.04	0.04	0.04
100	0.09	0.07	0.08	0.07	0.05	0.05	0.05	0.05	0.06	0.08	0.08	0.09	0.26	0.39	0.11	0.07	0.05	0.05	0.05
105	0.08	0.08	0.07	0.07	0.05	0.05	0.05	0.05	0.06	0.07	0.09	0.10	0.11	0.11	0.19	0.07	0.05	0.05	0.05
110	0.09	0.09	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.08	0.09	0.10	0.10	0.11	0.21	0.07	0.06	0.06	0.06
115	0.10	0.11	0.10	0.10	0.08	0.09	0.10	0.08	0.08	0.10	0.10	0.12	0.12	0.13	0.19	0.08	0.07	0.07	0.07
120	0.15	0.16	0.16	0.16	0.14	0.15	0.15	0.14	0.13	0.14	0.14	0.15	0.16	0.15	0.13	0.11	0.10	0.11	0.11
125	0.27	0.28	0.29	0.26	0.25	0.26	0.27	0.24	0.22	0.23	0.23	0.22	0.22	0.22	0.19	0.19	0.18	0.20	0.19
130	0.52	0.53	0.54	0.50	0.47	0.47	0.47	0.44	0.41	0.39	0.40	0.38	0.38	0.37	0.34	0.34	0.44	0.39	0.38
135	0.98	0.98	0.99	0.93	0.92	0.91	0.89	0.85	0.80	0.75	0.73	0.70	0.70	0.69	0.67	0.68	1.00	0.80	0.76
140	1.60	1.57	1.58	1.54	1.54	1.51	1.51	1.46	1.40	1.33	1.30	1.23	1.24	1.24	1.21	1.23	1.67	1.47	1.29
145	2.13	2.12	2.13	2.11	2.11	2.08	2.09	2.05	2.02	1.95	1.92	1.86	1.86	1.85	1.83	1.84	1.86	2.03	1.91
150	2.48	2.47	2.48	2.46	2.48	2.46	2.47	2.45	2.43	2.40	2.37	2.34	2.32	2.30	2.29	2.30	2.31	2.33	2.35
155	2.66	2.66	2.65	2.63	2.66	2.67	2.67	2.68	2.68	2.64	2.64	2.64	2.60	2.58	2.58	2.57	2.59	2.60	2.61
160	2.70	2.70	2.64	2.61	2.65	2.69	2.72	2.74	2.73	2.72	2.76	2.81	2.78	2.72	2.75	2.80	2.78	2.75	2.84
165	2.41	2.39	2.30	2.33	2.38	2.45	2.49	2.52	2.54	2.58	2.62	2.72	2.71	2.65	2.68	2.69	2.71	2.78	2.88
170	1.87	1.84	1.81	1.81	1.88	1.97	2.01	2.06	2.08	2.16	2.24	2.31	2.30	2.29	2.29	2.25	2.24	2.24	2.27
175	1.49	1.47	1.46	1.49	1.50	1.50	1.53	1.58	1.64	1.73	1.78	1.82	1.79	1.79	1.81	1.80	1.77	1.74	1.73
180	1.47	1.47	1.48	1.50	1.49	1.48	1.51	1.50	1.52	1.55	1.54	1.53	1.48	1.47	1.48	1.50	1.49	1.48	1.51

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1343	1343	1343	1343	1343														
5	1113	1073	1010	972	919														
10	534	497	454	427	389														
15	217	207	188	181	167														
20	112	105	92.3	86.4	77.3														
25	51.2	45.2	35.9	31.9	26.8														
30	13.8	13.7	12.5	12.5	11.6														
35	5.63	5.12	4.40	4.16	3.69														
40	2.15	2.00	1.78	1.71	1.63														
45	1.08	0.99	0.92	0.89	0.83														
50	0.36	0.34	0.31	0.29	0.30														
55	0.10	0.11	0.11	0.46	1.56														
60	0.11	0.11	0.13	0.86	0.82														
65	0.07	0.07	0.09	0.34	0.54														
70	0.03	0.03	0.03	0.15	0.38														
75	0.03	0.03	0.03	0.04	0.10														
80	0.03	0.03	0.03	0.04	0.04														
85	0.03	0.03	0.03	0.04	0.04														
90	0.03	0.04	0.04	0.04	0.04														
95	0.04	0.04	0.05	0.10	0.35														
100	0.04	0.05	0.05	0.06	0.10														
105	0.05	0.05	0.05	0.09	0.12														
110	0.06	0.06	0.06	0.07	0.09														
115	0.08	0.08	0.07	0.08	0.10														
120	0.12	0.13	0.12	0.13	0.14														
125	0.21	0.23	0.27	0.23	0.26														
130	0.41	0.46	0.44	0.62	0.53														
135	0.82	0.96	0.88	1.11	1.05														
140	1.42	1.65	1.48	1.53	1.63														
145	1.97	2.03	2.05	2.09	2.17														
150	2.37	2.40	2.44	2.47	2.51														
155	2.64	2.65	2.66	2.68	2.70														
160	2.78	2.80	2.82	2.77	2.73														
165	2.81	2.65	2.55	2.50	2.45														
170	2.22	2.15	2.04	2.00	1.96														
175	1.71	1.70	1.67	1.61	1.57														
180	1.50	1.52	1.55	1.54	1.53														

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: