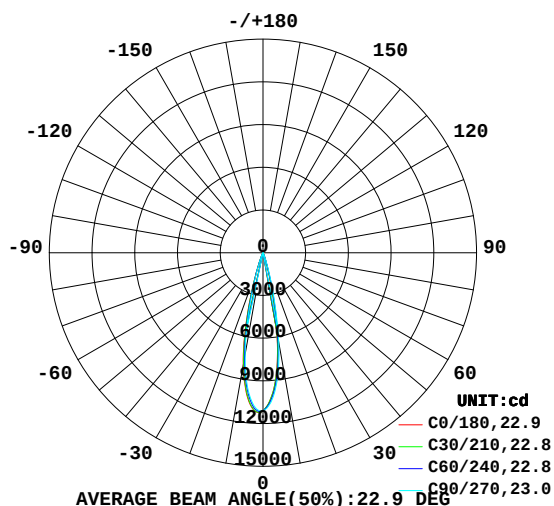


LUMINAIRE PHOTOMETRIC TEST REPORT

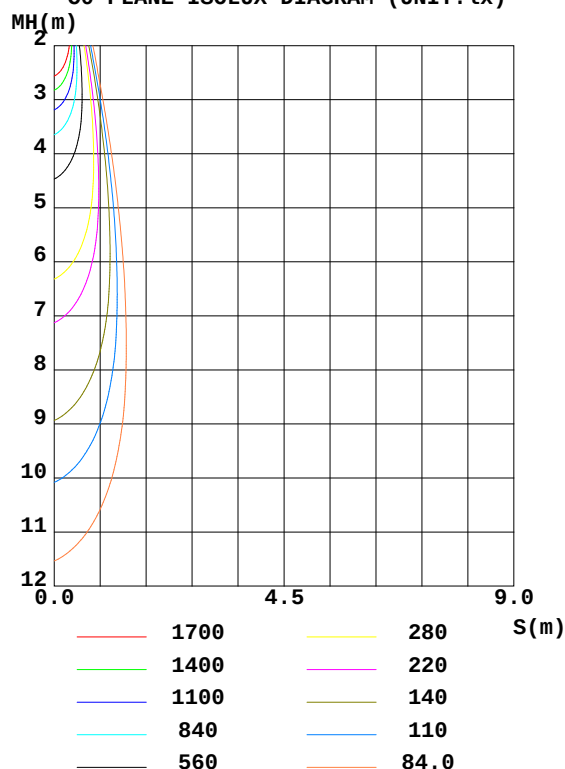
NAME: VM070-VF71RA01-25W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 82.06 lm/W
MODEL	BXRE-30G3000-D-73	Imax(cd)	11229	S/MH(C0/180)	0.40	
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.38	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1873.2	η UP, DN(C0-180)	1.3, 46.2	
NOMINAL FLUX(lm)	1873.24	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 51.3	
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: 2021-08-16

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:

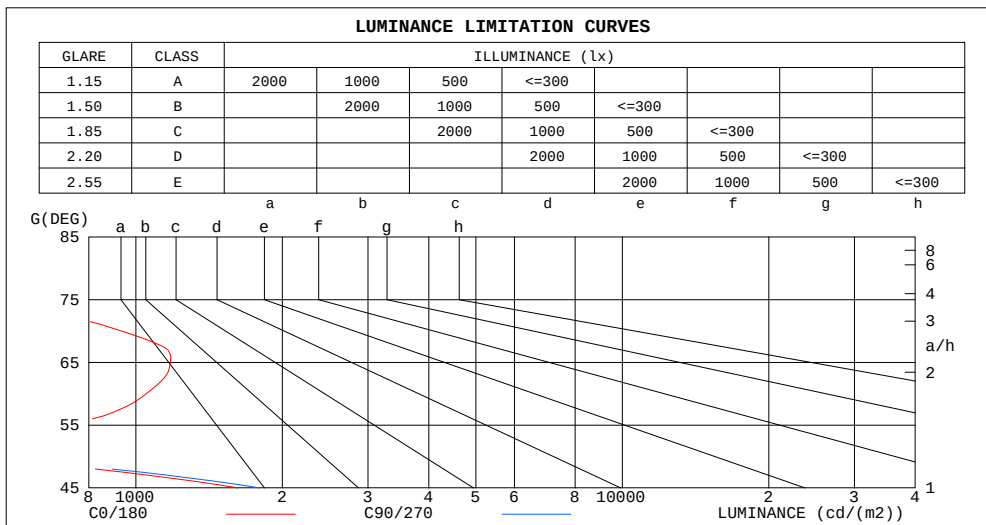
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	556.1	592.7	635.8	743.8	800.7	756.5	724.3	624.6	0- 10	851.7	851.7	45.5,45.5
20	48.63	55.62	64.09	85.78	105.4	97.42	88.57	58.76	10- 20	799.5	1651	88.1,88.1
30	8.110	8.489	9.035	10.68	12.79	13.04	12.77	9.492	20- 30	130.7	1782	95.1,95.1
40	1.358	1.442	1.560	1.932	2.740	2.582	2.114	1.544	30- 40	32.90	1815	96.9,96.9
50	0.1835	0.1517	0.1620	0.2643	0.4676	0.3678	0.2888	0.2002	40- 50	6.804	1822	97.2,97.2
60	0.2820	0.0608	0.0750	0.0696	0.1059	0.1262	0.0725	0.0909	50- 60	1.850	1823	97.3,97.3
70	0.1713	0.0555	0.0578	0.0547	0.2175	0.0321	0.0301	0.0305	60- 70	1.215	1825	97.4,97.4
80	0.0456	0.0461	0.0358	0.0460	0.0412	0.0310	0.0301	0.0307	70- 80	0.5403	1825	97.4,97.4
90	0.0408	0.0402	0.0387	0.0436	0.0415	0.0360	0.0361	0.0376	80- 90	0.4136	1826	97.5,97.5
100	0.0699	0.0593	0.0440	0.0665	0.1161	0.0487	0.0462	0.0467	90-100	0.5886	1826	97.5,97.5
110	0.0739	0.0643	0.0581	0.0710	0.0803	0.0624	0.0531	0.0532	100-110	0.6741	1827	97.5,97.5
120	0.1113	0.1158	0.1113	0.1015	0.1174	0.0851	0.0830	0.0931	110-120	0.7742	1828	97.6,97.6
130	0.5450	0.5018	0.4701	0.3716	0.3587	0.3578	0.4115	0.4955	120-130	1.945	1830	97.7,97.7
140	1.714	1.621	1.566	1.400	1.331	1.370	1.451	1.614	130-140	7.114	1837	98.1,98.1
150	2.781	2.738	2.713	2.615	2.561	2.580	2.641	2.755	140-150	13.24	1850	98.8,98.8
160	2.948	2.906	3.015	3.022	3.087	3.072	3.113	3.059	150-160	13.53	1864	99.5,99.5
170	2.026	2.052	2.212	2.389	2.470	2.437	2.372	2.180	160-170	7.856	1871	99.9,99.9
180	1.540	1.588	1.576	1.622	1.542	1.586	1.577	1.622	170-180	1.858	1873	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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	834	801
80	489	381
75	497	265
70	933	312
65	1178	302
60	1051	277
55	714	245
50	532	466
45	1621	1795

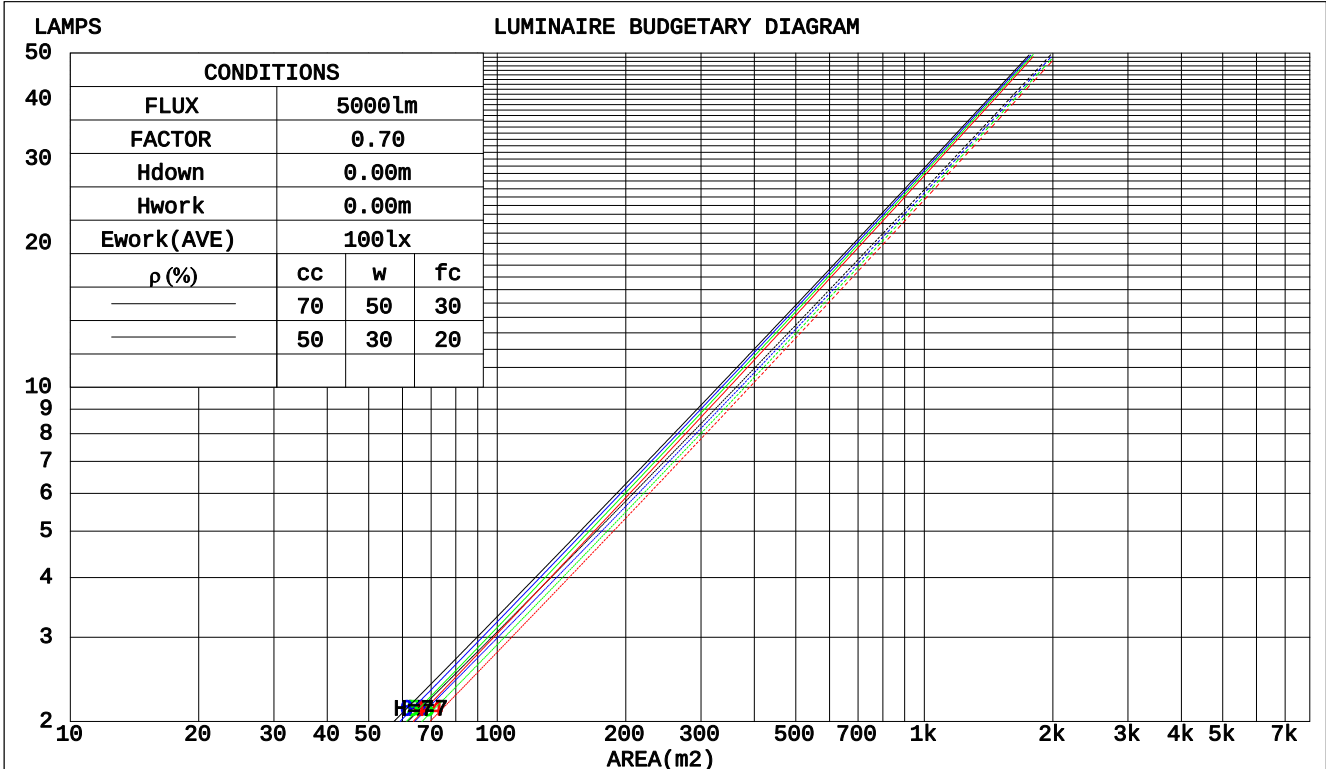
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-16

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-CRI90-24D	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	1.04	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	1.04	1.02	1.01	1.00	.98	.97	.97	.95
2.0	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	.99	.99	.98	.97	.96	.95	.94	.93
3.0	1.04	1.01	.98	1.02	.99	.97	.00	.97	.95	.97	.95	.93	.95	.93	.92	.90
4.0	1.00	.97	.94	.99	.96	.93	.97	.94	.92	.95	.93	.91	.93	.91	.90	.88
5.0	.97	.94	.91	.96	.93	.90	.94	.92	.89	.93	.90	.88	.91	.89	.87	.86
6.0	.95	.91	.88	.94	.90	.88	.92	.89	.87	.91	.88	.86	.89	.87	.86	.85
7.0	.92	.88	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.88	.85	.84	.83
8.0	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.84	.82	.86	.84	.82	.81
9.0	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.85	.82	.80	.80
10.0	.86	.82	.80	.85	.82	.80	.85	.81	.79	.84	.81	.79	.83	.81	.79	.78



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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)										
0.0																	
1.0	.129	.073	.023	.121	.069	.022	.108	.062	.020	.095	.055	.018	.083	.048	.016		
2.0	.118	.065	.020	.112	.062	.019	.100	.056	.017	.090	.050	.016	.080	.045	.014		
3.0	.109	.058	.017	.104	.056	.017	.094	.051	.015	.085	.047	.014	.077	.043	.013		
4.0	.101	.053	.015	.097	.051	.015	.089	.047	.014	.081	.044	.013	.074	.040	.012		
5.0	.095	.048	.014	.091	.047	.014	.084	.044	.013	.077	.041	.012	.071	.038	.011		
6.0	.089	.045	.013	.086	.043	.012	.080	.041	.012	.074	.038	.011	.069	.036	.011		
7.0	.084	.042	.012	.081	.041	.012	.076	.038	.011	.071	.036	.011	.066	.034	.010		
8.0	.080	.039	.011	.077	.038	.011	.073	.036	.010	.068	.035	.010	.064	.033	.010		
9.0	.076	.037	.010	.074	.036	.010	.070	.034	.010	.066	.033	.009	.062	.031	.009		
10.0	.073	.035	.010	.071	.034	.010	.067	.033	.009	.063	.031	.009	.060	.030	.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	.187	.177	.168	.160	.152	.145	.110	.105	.100	.063	.061	.058	.020	.019	.019		
2.0	.169	.152	.139	.144	.131	.120	.099	.091	.084	.057	.053	.049	.018	.017	.016		
3.0	.153	.133	.117	.131	.115	.101	.090	.080	.071	.052	.047	.042	.017	.015	.014		
4.0	.140	.118	.100	.120	.102	.087	.083	.071	.061	.048	.041	.036	.015	.013	.012		
5.0	.129	.105	.087	.111	.091	.076	.076	.064	.054	.044	.037	.032	.014	.012	.010		
6.0	.120	.095	.077	.103	.082	.067	.071	.058	.047	.041	.034	.028	.013	.011	.009		
7.0	.112	.087	.069	.096	.075	.060	.067	.053	.043	.039	.031	.025	.013	.010	.008		
8.0	.105	.080	.062	.091	.069	.054	.063	.049	.039	.037	.029	.023	.012	.009	.008		
9.0	.100	.074	.057	.086	.064	.050	.059	.045	.035	.035	.027	.021	.011	.009	.007		
10.0	.094	.069	.052	.081	.060	.046	.056	.042	.032	.033	.025	.019	.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-CRI90-24D						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	1.7	2.3	1.9	2.4	2.6	2.3	2.9	2.6	3.1	3.3	
3H	1.8	2.4	2.1	2.6	2.8	2.2	2.8	2.5	3.0	3.2	
4H	1.8	2.4	2.1	2.6	2.9	2.2	2.7	2.5	2.9	3.2	
6H	1.8	2.3	2.2	2.6	2.9	2.1	2.6	2.4	2.9	3.2	
8H	1.9	2.3	2.2	2.6	2.9	2.1	2.6	2.4	2.9	3.2	
12H	1.9	2.4	2.3	2.7	3.0	2.1	2.6	2.5	2.9	3.2	
4H 2H	1.5	2.0	1.8	2.2	2.5	2.1	2.6	2.4	2.9	3.1	
3H	1.6	2.1	2.0	2.4	2.7	2.0	2.4	2.3	2.7	3.1	
4H	1.6	2.1	2.0	2.4	2.7	1.9	2.3	2.3	2.7	3.0	
6H	1.7	2.1	2.1	2.4	2.8	1.9	2.3	2.3	2.6	3.0	
8H	1.8	2.1	2.2	2.5	2.9	1.9	2.3	2.4	2.7	3.1	
12H	1.9	2.2	2.3	2.6	3.1	2.0	2.3	2.4	2.7	3.2	
8H 4H	1.5	1.9	2.0	2.3	2.7	1.8	2.2	2.2	2.5	3.0	
6H	1.7	1.9	2.1	2.4	2.8	1.8	2.1	2.3	2.5	3.0	
8H	1.8	2.1	2.3	2.5	3.0	1.9	2.1	2.4	2.6	3.1	
12H	2.1	2.3	2.6	2.8	3.3	2.0	2.3	2.5	2.7	3.3	
12H 4H	1.5	1.8	1.9	2.2	2.6	1.8	2.1	2.2	2.5	2.9	
6H	1.6	1.9	2.1	2.3	2.8	1.8	2.1	2.3	2.5	3.0	
8H	1.8	2.0	2.3	2.5	3.0	1.9	2.1	2.4	2.6	3.1	
Variations with the observer position at spacings:											
S = 1.0H	+ 3.4 / - 3.2					+ 4.0 / - 5.3					
1.5H	+ 5.7 / - 4.0					+ 6.4 / - 5.4					
2.0H	+ 3.2 / - 1.6					+ 4.5 / - 1.4					

CIE Pub.117, 1873 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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

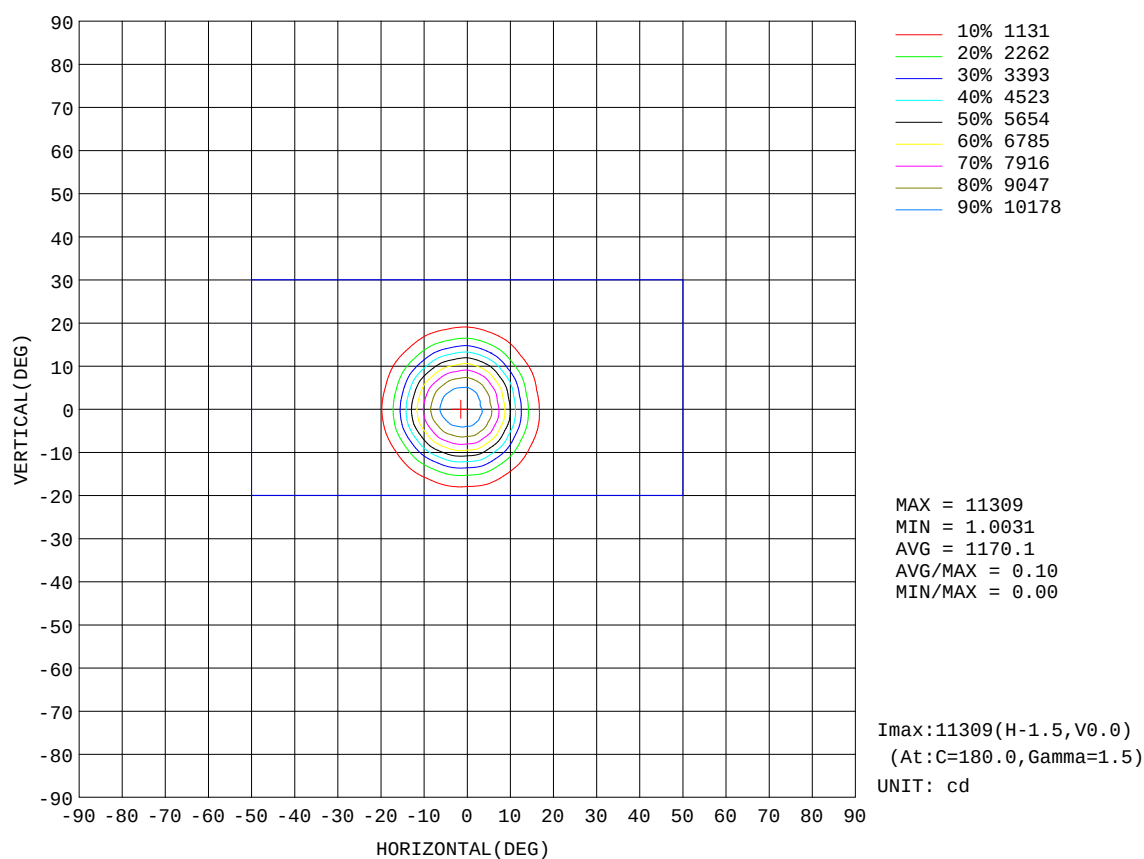
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	95	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	107	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				SHRNOM = 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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

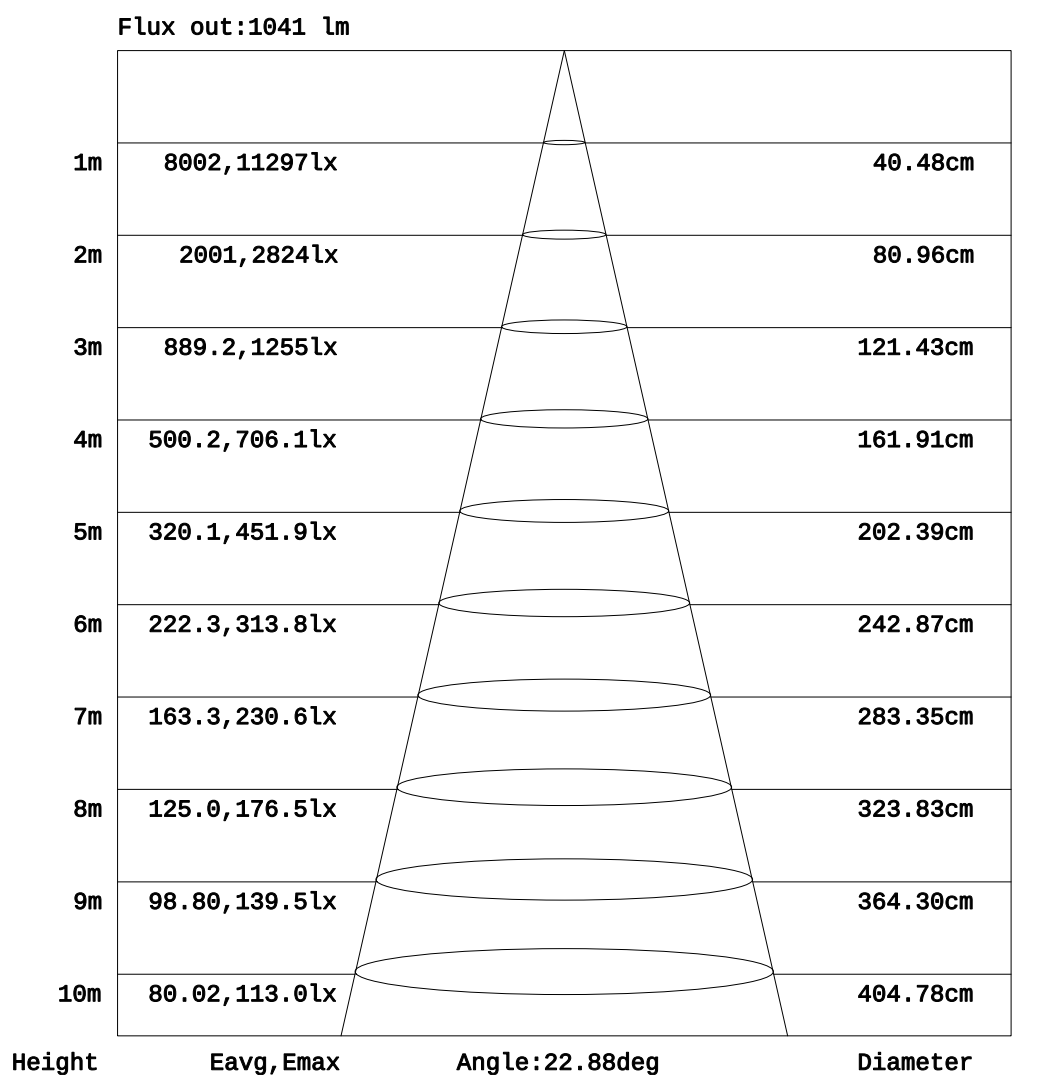


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-16

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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



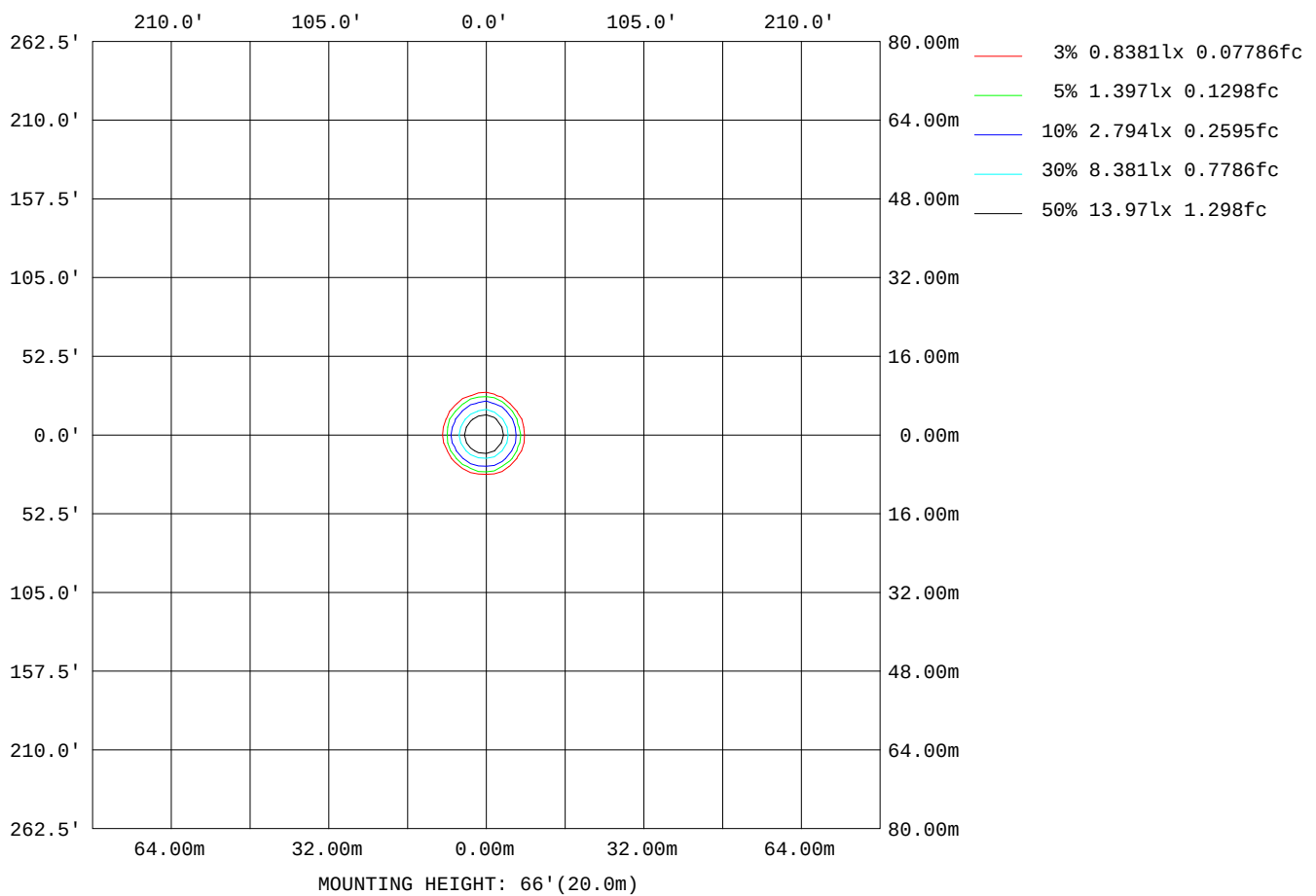
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-CRI90-24D	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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

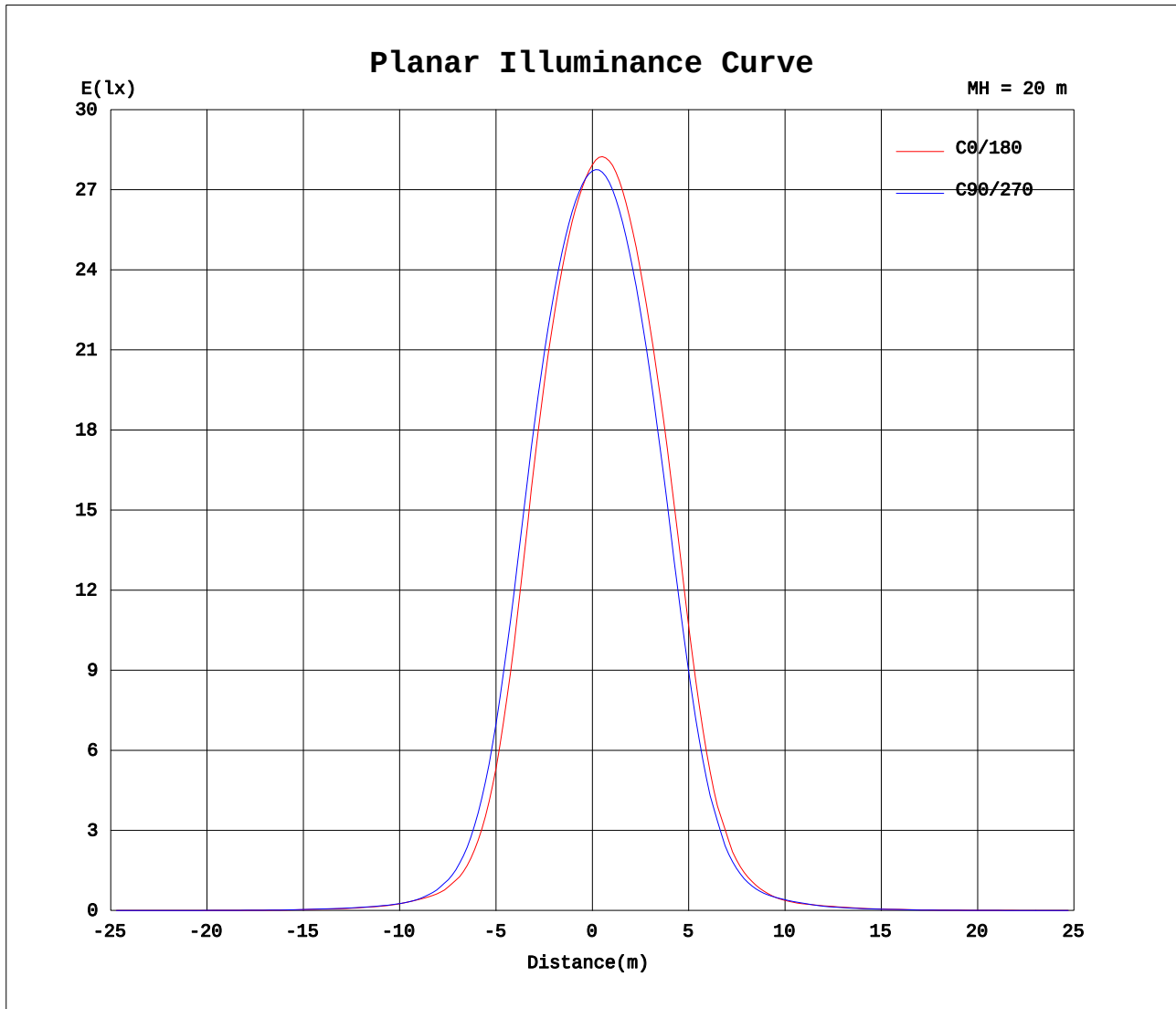
AvgL	cd/m2
L_0~180(65)av	972
L_0~180(75)av	613
L_0~180(85)av	791
L_90~270(65)av	261
L_90~270(75)av	238
L_90~270(85)av	741
L_45(65)av	286
L_45(75)av	282
L_45(85)av	796

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-CRI90-24D	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	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110
5	937	941	937	952	956	972	973	991	1005	1032	1043	1066	1065	1056	1058	1043	1039	1022	1022
10	556	569	563	593	599	635	636	670	694	744	763	804	801	785	786	757	750	721	724
15	180	189	190	211	219	245	244	267	284	326	343	384	382	369	376	350	347	319	321
20	48.6	49.1	51.1	55.6	57.7	65.1	64.1	69.8	73.7	85.8	89.6	103	105	101	105	97.4	98.4	88.6	88.6
25	19.2	19.2	18.8	19.5	19.1	20.0	19.6	20.7	21.4	24.2	25.3	28.3	29.5	30.3	32.9	31.2	31.9	29.3	28.7
30	8.11	8.11	8.08	8.49	8.64	9.03	9.04	9.52	9.94	10.7	11.3	12.3	12.8	12.8	13.4	13.0	13.5	12.7	12.8
35	3.99	4.06	4.08	4.29	4.41	4.60	4.55	4.68	4.77	5.18	5.51	5.94	6.13	6.22	6.39	6.26	6.12	5.67	5.48
40	1.36	1.37	1.37	1.44	1.47	1.56	1.56	1.65	1.75	1.93	2.12	2.61	2.74	2.72	2.83	2.58	2.51	2.19	2.11
45	0.62	0.62	0.60	0.63	0.65	0.70	0.69	0.74	0.78	0.87	0.93	1.05	1.11	1.11	1.14	1.10	1.06	0.96	0.93
50	0.18	0.16	0.15	0.15	0.15	0.17	0.16	0.19	0.21	0.26	0.31	0.38	0.47	0.55	0.46	0.37	0.35	0.30	0.29
55	0.22	0.11	0.08	0.07	0.07	0.08	0.08	0.08	0.07	0.07	0.08	0.11	0.15	0.66	0.67	0.10	0.08	0.07	0.07
60	0.28	0.15	0.07	0.06	0.06	0.07	0.07	0.08	0.07	0.07	0.08	0.09	0.11	0.17	0.47	0.13	0.08	0.07	0.07
65	0.27	0.13	0.06	0.05	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.08	0.18	0.34	0.14	0.08	0.06	0.05	0.05
70	0.17	0.08	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.08	0.22	0.34	0.07	0.03	0.03	0.03	0.03
75	0.07	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.10	0.08	0.03	0.03	0.03	0.03	0.03
80	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.03	0.04	0.03	0.03	0.03	0.03
85	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03
90	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.04
95	0.12	0.06	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.08	0.07	0.05	0.04	0.04	0.04	0.04
100	0.07	0.06	0.06	0.06	0.05	0.04	0.04	0.04	0.05	0.05	0.07	0.07	0.07	0.12	0.16	0.08	0.05	0.04	0.05
105	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.08	0.09	0.08	0.10	0.06	0.05	0.05	0.05
110	0.07	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.10	0.06	0.05	0.05	0.05
115	0.08	0.09	0.08	0.08	0.07	0.07	0.08	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.11	0.06	0.06	0.06	0.06
120	0.11	0.12	0.12	0.12	0.11	0.10	0.11	0.10	0.09	0.10	0.11	0.11	0.12	0.12	0.10	0.09	0.08	0.08	0.08
125	0.23	0.23	0.24	0.21	0.21	0.20	0.21	0.19	0.17	0.17	0.17	0.16	0.17	0.17	0.15	0.15	0.16	0.17	0.17
130	0.54	0.53	0.54	0.50	0.48	0.46	0.47	0.44	0.40	0.37	0.37	0.34	0.36	0.36	0.34	0.36	0.41	0.41	0.41
135	1.06	1.04	1.05	0.99	0.98	0.94	0.94	0.90	0.85	0.80	0.78	0.73	0.75	0.76	0.75	0.78	0.90	0.88	0.87
140	1.71	1.68	1.67	1.62	1.61	1.56	1.57	1.52	1.47	1.40	1.37	1.31	1.33	1.34	1.33	1.37	1.46	1.48	1.45
145	2.33	2.30	2.30	2.26	2.25	2.20	2.20	2.16	2.12	2.05	2.02	1.97	1.98	1.99	1.99	2.01	2.04	2.11	2.10
150	2.78	2.76	2.77	2.74	2.74	2.71	2.71	2.69	2.66	2.62	2.59	2.55	2.56	2.56	2.56	2.58	2.60	2.63	2.64
155	3.00	2.99	2.98	2.96	2.99	2.99	3.00	3.00	2.99	2.95	2.95	2.95	2.94	2.93	2.93	2.93	2.95	2.96	2.98
160	2.95	2.95	2.92	2.91	2.95	2.98	3.02	3.04	3.03	3.02	3.06	3.10	3.09	3.06	3.06	3.07	3.08	3.07	3.11
165	2.57	2.57	2.54	2.59	2.62	2.67	2.71	2.76	2.79	2.83	2.85	2.92	2.91	2.88	2.89	2.89	2.91	2.93	2.96
170	2.03	2.02	2.03	2.05	2.10	2.17	2.21	2.28	2.32	2.39	2.44	2.48	2.47	2.47	2.49	2.44	2.42	2.39	2.37
175	1.56	1.56	1.57	1.61	1.64	1.65	1.68	1.74	1.81	1.89	1.93	1.95	1.93	1.93	1.96	1.95	1.92	1.86	1.84
180	1.54	1.54	1.56	1.59	1.56	1.55	1.58	1.57	1.58	1.62	1.60	1.59	1.54	1.54	1.56	1.59	1.57	1.55	1.58

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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1110	1110	1110	1110	1110														
5	1006	994	970	959	939														
10	695	671	625	604	562														
15	292	266	226	209	181														
20	77.2	70.0	58.8	53.3	48.7														
25	26.2	24.4	21.8	20.9	19.4														
30	11.4	10.6	9.49	9.09	8.22														
35	5.05	4.78	4.34	4.16	3.96														
40	1.88	1.71	1.54	1.46	1.35														
45	0.85	0.79	0.71	0.67	0.61														
50	0.25	0.23	0.20	0.19	0.20														
55	0.07	0.07	0.08	0.16	1.48														
60	0.07	0.08	0.09	1.12	1.00														
65	0.05	0.05	0.06	0.28	0.41														
70	0.03	0.03	0.03	0.10	0.25														
75	0.03	0.03	0.03	0.03	0.06														
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	0.04	0.06	0.13														
100	0.04	0.05	0.05	0.05	0.07														
105	0.05	0.05	0.05	0.07	0.08														
110	0.05	0.05	0.05	0.06	0.07														
115	0.06	0.06	0.06	0.07	0.08														
120	0.09	0.09	0.09	0.10	0.11														
125	0.18	0.20	0.23	0.21	0.24														
130	0.44	0.49	0.50	0.58	0.57														
135	0.92	1.00	0.99	1.10	1.11														
140	1.54	1.64	1.61	1.65	1.74														
145	2.15	2.19	2.25	2.29	2.36														
150	2.67	2.71	2.76	2.78	2.82														
155	2.99	3.00	3.01	3.02	3.04														
160	3.09	3.08	3.06	3.00	2.98														
165	2.90	2.81	2.72	2.66	2.62														
170	2.31	2.25	2.18	2.16	2.12														
175	1.80	1.78	1.75	1.68	1.64														
180	1.57	1.58	1.62	1.60	1.59														

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: