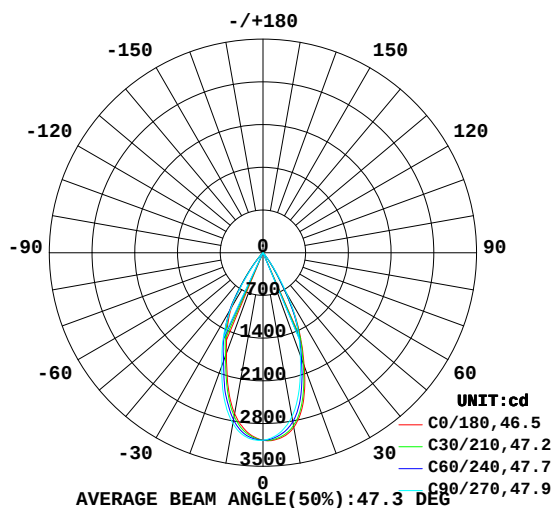


LUMINAIRE PHOTOMETRIC TEST REPORT

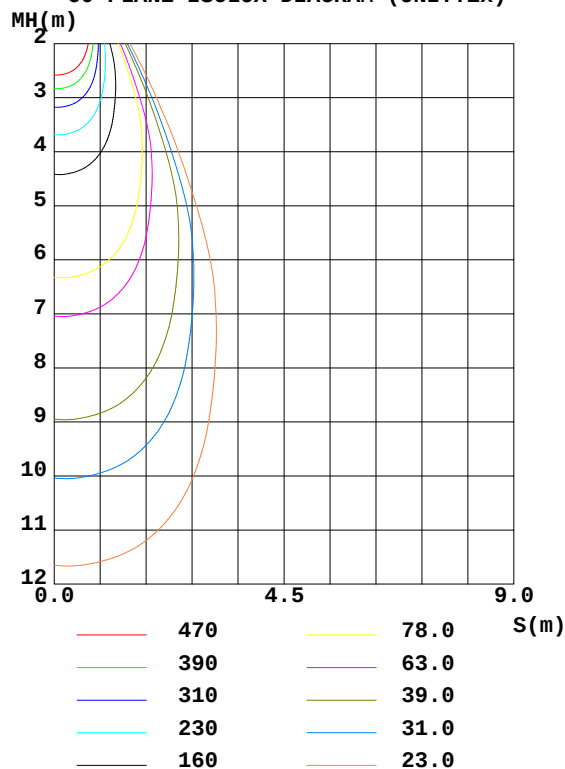
NAME: VM070-VF71RA01-25W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 83.42 lm/W			
MODEL	BXRE-30G3000-D-73	Imax(cd)	3084	S/MH(C0/180)	0.70
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.77
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1912.9	η UP, DN(C0-180)	1.3, 46.8
NOMINAL FLUX(lm)	1912.94	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 50.7
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	97.5	CIBSE SHR MAX	0.80

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: 2021-08-12

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:

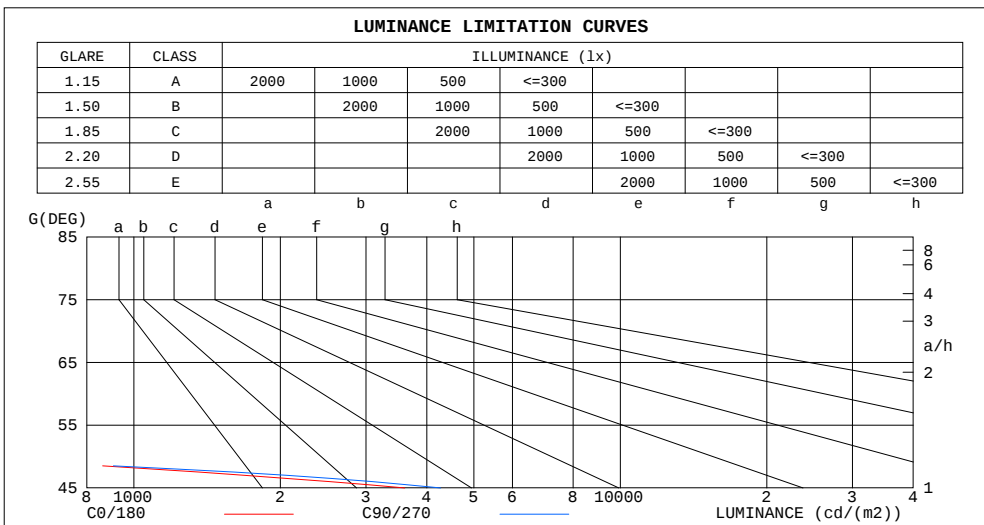
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2904	2860	2727	2680	2679	2735	2840	2895	0- 10	280.1	280.1	14.6,14.6
20	1974	1910	1793	1756	1755	1836	1976	2003	10- 20	657.1	937.2	49,49
30	730.4	729.8	793.8	956.1	1028	1064	1058	860.9	20- 30	638.6	1576	82.4,82.4
40	64.00	62.22	73.97	121.8	167.2	159.8	130.6	80.29	30- 40	259.0	1835	95.9,95.9
50	1.607	1.254	1.519	3.410	7.028	7.707	4.818	2.409	40- 50	26.66	1861	97.3,97.3
60	0.9542	0.6211	0.7332	0.8244	9.453	0.8213	0.7241	0.8025	50- 60	1.529	1863	97.4,97.4
70	0.5021	0.5929	0.5895	0.6174	5.248	0.3601	0.3056	0.2942	60- 70	1.497	1864	97.5,97.5
80	0.3542	0.4084	0.3632	0.5036	0.5944	0.3404	0.3057	0.2897	70- 80	0.6210	1865	97.5,97.5
90	0.3694	0.3669	0.3610	0.4438	0.6114	0.3991	0.3168	0.3164	80- 90	0.4045	1865	97.5,97.5
100	0.5649	0.5469	0.4272	0.6665	2.257	0.4832	0.3833	0.3944	90-100	0.5865	1866	97.5,97.5
110	1.326	1.345	1.178	1.149	1.481	1.003	0.8981	1.098	100-110	0.8398	1867	97.6,97.6
120	3.812	3.993	3.798	3.560	3.521	3.003	3.079	3.476	110-120	2.186	1869	97.7,97.7
130	8.370	8.495	8.493	8.149	7.997	7.373	7.552	7.900	120-130	5.024	1874	98,98
140	14.22	14.53	14.82	14.43	14.19	13.59	13.63	13.89	130-140	8.611	1883	98.4,98.4
150	19.94	20.35	20.63	20.41	20.01	19.73	19.67	19.92	140-150	10.80	1893	99,99
160	23.54	23.60	24.08	23.48	23.47	23.91	24.59	24.06	150-160	10.21	1904	99.5,99.5
170	24.61	24.69	24.79	24.62	23.91	24.26	24.76	24.90	160-170	6.881	1911	99.9,99.9
180	25.22	25.63	25.46	25.88	25.28	25.58	25.50	25.86	170-180	2.379	1913	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:2021-08-12

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



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	773	769
80	383	386
75	272	265
70	276	318
65	310	299
60	359	270
55	283	246
50	470	436
45	3603	4270

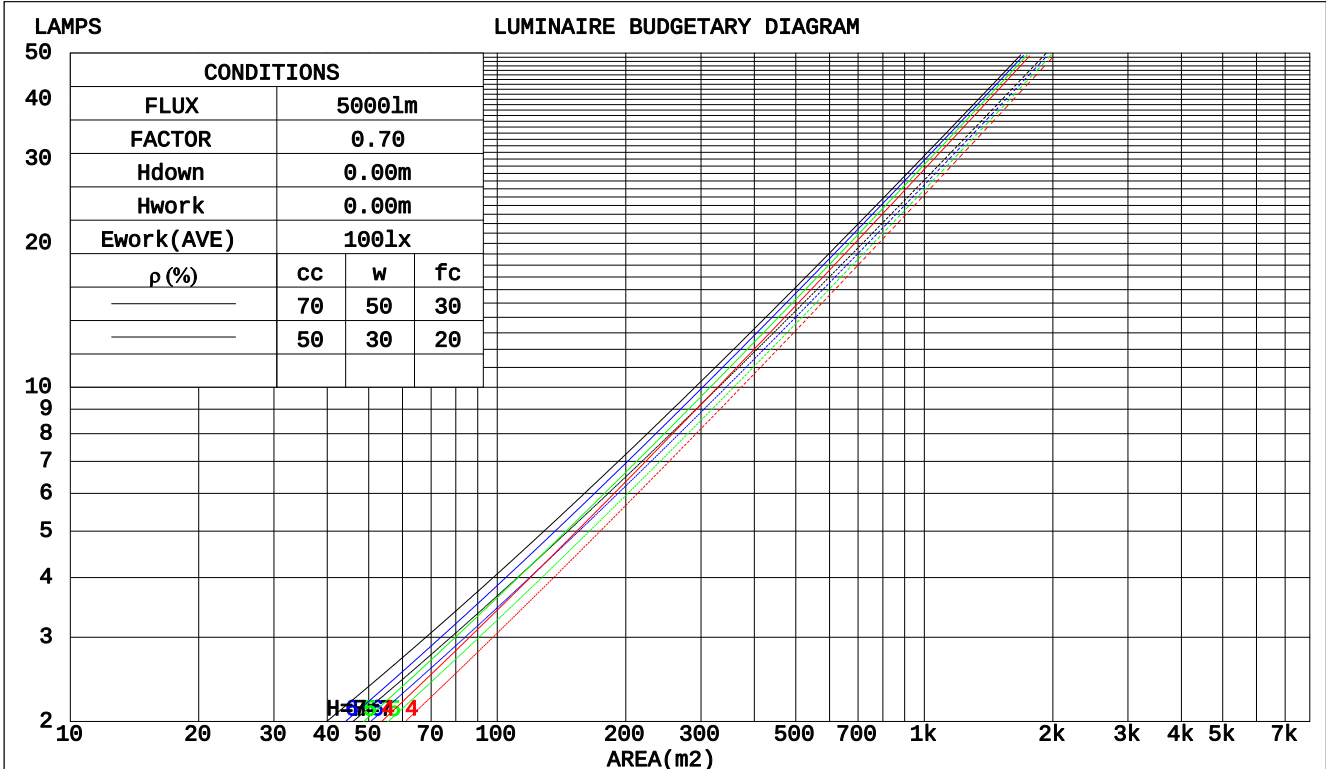
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-CRI90-55D	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	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	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.11	1.09	1.07	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.95	.94	.92
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.95	.93	.91	.92	.90	.89	.87
3.0	.98	.93	.90	.96	.92	.89	.93	.90	.87	.91	.88	.86	.88	.86	.84	.82
4.0	.92	.87	.84	.91	.86	.83	.89	.85	.82	.86	.83	.80	.84	.82	.79	.78
5.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.82	.79	.76	.81	.78	.75	.74
6.0	.83	.77	.73	.82	.77	.73	.80	.76	.72	.78	.75	.72	.77	.74	.71	.70
7.0	.78	.73	.69	.78	.73	.69	.76	.72	.68	.75	.71	.68	.74	.70	.67	.66
8.0	.75	.69	.66	.74	.69	.65	.73	.68	.65	.72	.67	.64	.70	.67	.64	.63
9.0	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.67	.64	.61	.60
10.0	.68	.62	.59	.67	.62	.59	.66	.62	.59	.65	.61	.58	.65	.61	.58	.57



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: VM070-VF71RA01-25W	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	.165	.094	.030	.157	.090	.028	.143	.082	.026	.130	.075	.024	.119	.069	.022		
2.0	.156	.085	.026	.150	.082	.025	.138	.077	.024	.127	.071	.022	.117	.066	.021		
3.0	.148	.079	.024	.142	.076	.023	.132	.072	.022	.123	.067	.021	.114	.063	.020		
4.0	.140	.073	.021	.135	.071	.021	.127	.067	.020	.119	.064	.019	.111	.060	.018		
5.0	.133	.068	.020	.129	.066	.019	.122	.063	.019	.115	.060	.018	.108	.058	.017		
6.0	.127	.064	.018	.124	.063	.018	.117	.060	.017	.111	.058	.017	.105	.055	.016		
7.0	.122	.060	.017	.119	.059	.017	.113	.057	.016	.107	.055	.016	.102	.053	.016		
8.0	.117	.057	.016	.114	.056	.016	.108	.054	.015	.103	.052	.015	.099	.051	.015		
9.0	.112	.054	.015	.109	.053	.015	.105	.052	.015	.100	.050	.014	.096	.049	.014		
10.0	.108	.052	.014	.105	.051	.014	.101	.049	.014	.097	.048	.014	.093	.047	.013		

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	.189	.177	.165	.162	.151	.142	.111	.104	.098	.064	.060	.057	.020	.019	.018		
2.0	.173	.152	.134	.148	.131	.116	.102	.090	.081	.059	.053	.047	.019	.017	.015		
3.0	.160	.133	.111	.137	.115	.096	.094	.080	.067	.054	.046	.040	.017	.015	.013		
4.0	.149	.118	.094	.128	.102	.082	.088	.071	.057	.051	.042	.034	.016	.014	.011		
5.0	.140	.106	.081	.120	.092	.071	.083	.064	.050	.048	.038	.030	.015	.012	.010		
6.0	.133	.097	.071	.114	.084	.062	.079	.059	.044	.046	.035	.026	.015	.011	.009		
7.0	.126	.089	.063	.108	.077	.055	.075	.054	.039	.043	.032	.023	.014	.010	.008		
8.0	.120	.083	.057	.103	.072	.050	.072	.050	.035	.042	.030	.021	.013	.010	.007		
9.0	.115	.077	.052	.099	.067	.046	.069	.047	.032	.040	.028	.019	.013	.009	.006		
10.0	.110	.073	.048	.095	.063	.042	.066	.045	.030	.039	.026	.018	.012	.009	.006		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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-CRI90-55D						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	14.9	15.8	15.2	16.0	16.2	15.3	16.2	15.6	16.4	16.6
	3H	14.8	15.5	15.1	15.8	16.0	15.2	15.9	15.5	16.2	16.4
	4H	14.7	15.4	15.0	15.7	15.9	15.1	15.8	15.4	16.1	16.3
	6H	14.6	15.3	14.9	15.5	15.8	15.0	15.7	15.3	15.9	16.2
	8H	14.5	15.2	14.9	15.5	15.8	14.9	15.6	15.3	15.9	16.2
	12H	14.5	15.1	14.8	15.4	15.7	14.9	15.5	15.2	15.8	16.1
4H	2H	14.7	15.4	15.0	15.7	15.9	15.1	15.8	15.4	16.1	16.3
	3H	14.5	15.1	14.8	15.4	15.7	14.9	15.5	15.2	15.8	16.1
	4H	14.4	14.9	14.8	15.3	15.6	14.8	15.4	15.2	15.7	16.0
	6H	14.3	14.8	14.7	15.2	15.5	14.7	15.2	15.1	15.6	15.9
	8H	14.2	14.7	14.7	15.1	15.5	14.6	15.1	15.1	15.5	15.9
	12H	14.2	14.6	14.6	15.0	15.5	14.6	15.0	15.0	15.4	15.9
8H	4H	14.2	14.7	14.7	15.1	15.5	14.6	15.1	15.1	15.5	15.9
	6H	14.1	14.5	14.6	14.9	15.4	14.5	14.9	15.0	15.3	15.8
	8H	14.1	14.4	14.5	14.9	15.3	14.5	14.8	14.9	15.3	15.7
	12H	14.0	14.3	14.5	14.8	15.3	14.4	14.7	14.9	15.2	15.7
12H	4H	14.2	14.6	14.6	15.0	15.4	14.6	15.0	15.0	15.4	15.8
	6H	14.1	14.4	14.5	14.9	15.3	14.5	14.8	14.9	15.3	15.7
	8H	14.0	14.3	14.5	14.8	15.3	14.4	14.7	14.9	15.2	15.7
Variations with the observer position at spacings:											
S = 1.0H		+ 4.7 / -14.6					+ 4.9 / -16.1				
1.5H		+ 7.5 / -14.7					+ 7.6 / -16.0				
2.0H		+ 7.1 / - 2.7					+ 8.0 / - 3.5				

CIE Pub.117, 1913 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.3$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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

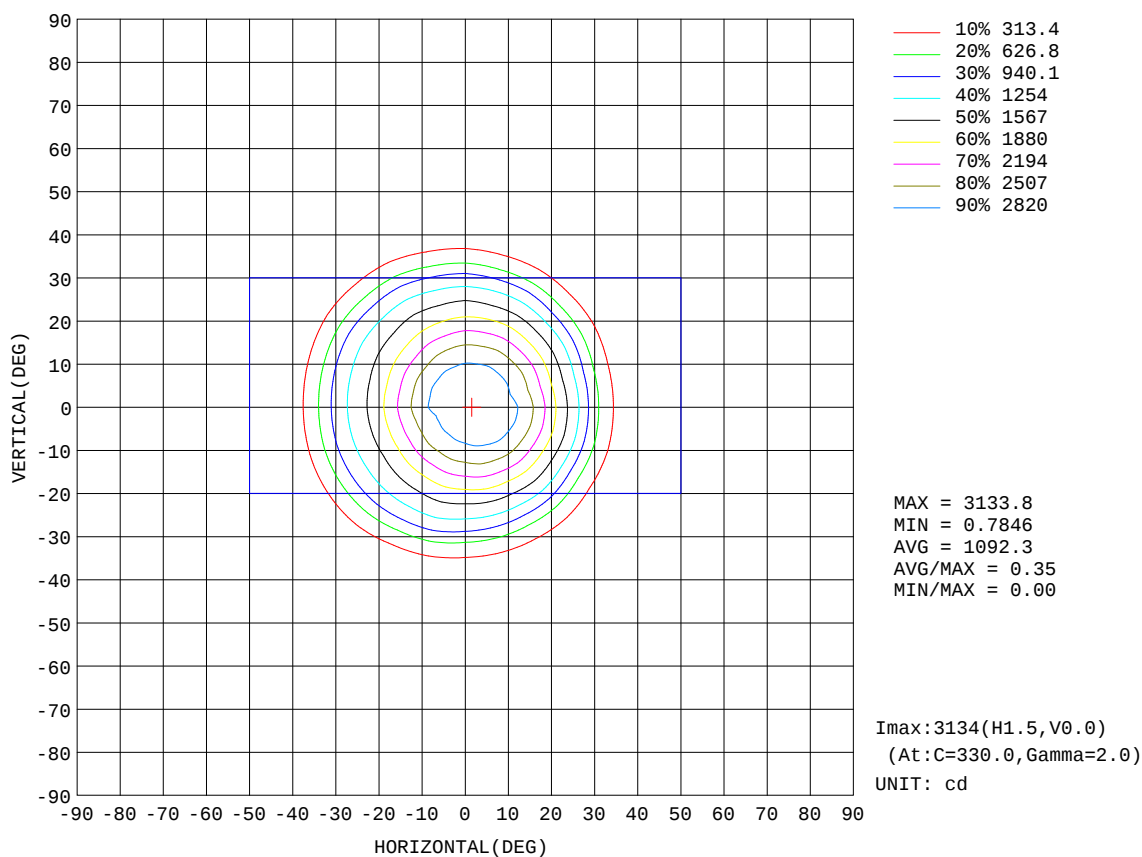
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	80	88	83	80	88	82	79	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	97	94	90	86
1.25	104	99	96	103	98	95	100	97	94	90
1.50	106	102	99	105	101	98	102	99	97	92
2.00	109	105	102	107	103	101	104	101	99	93
2.50	110	107	104	108	105	103	105	102	100	94
3.00	112	108	106	110	107	105	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	96
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										
SHRNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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

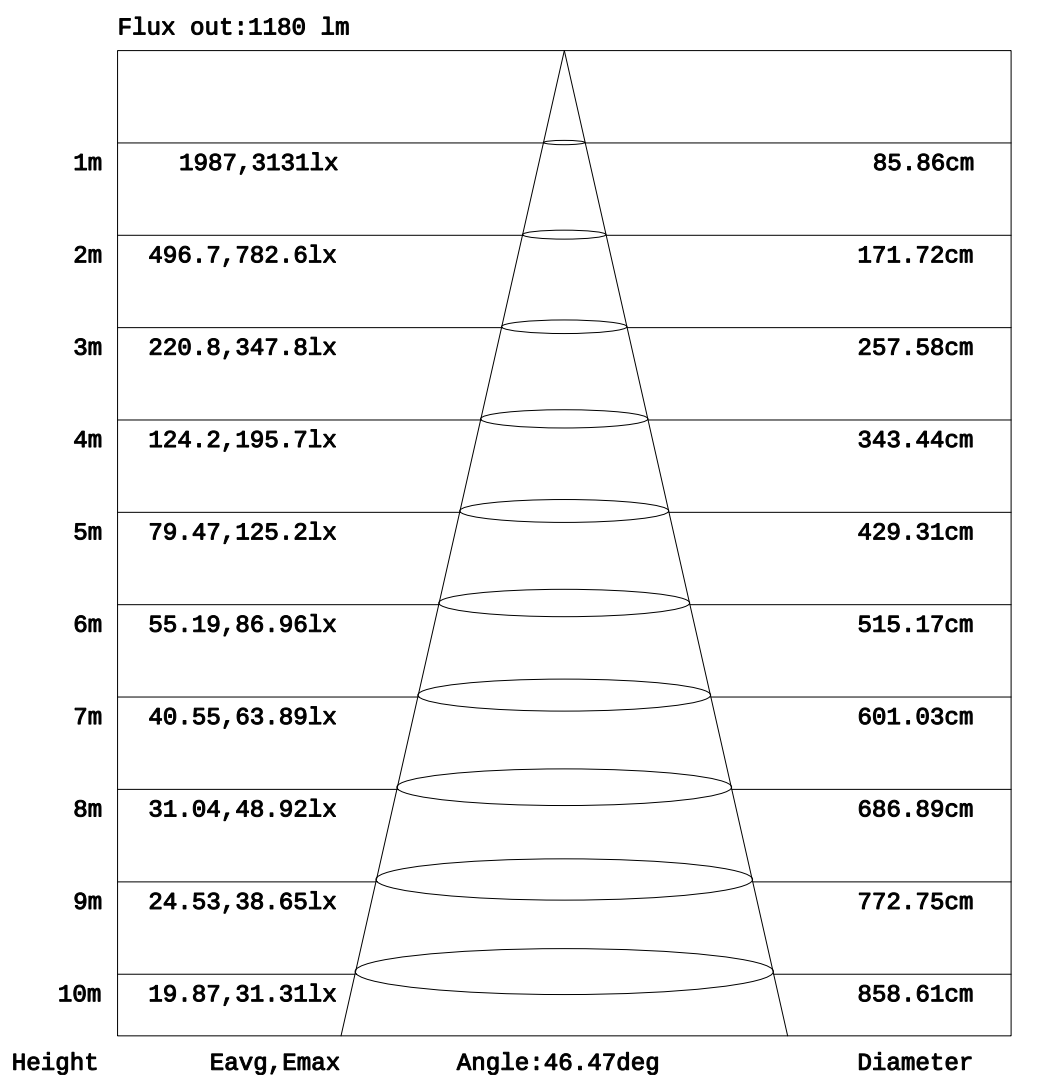


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

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



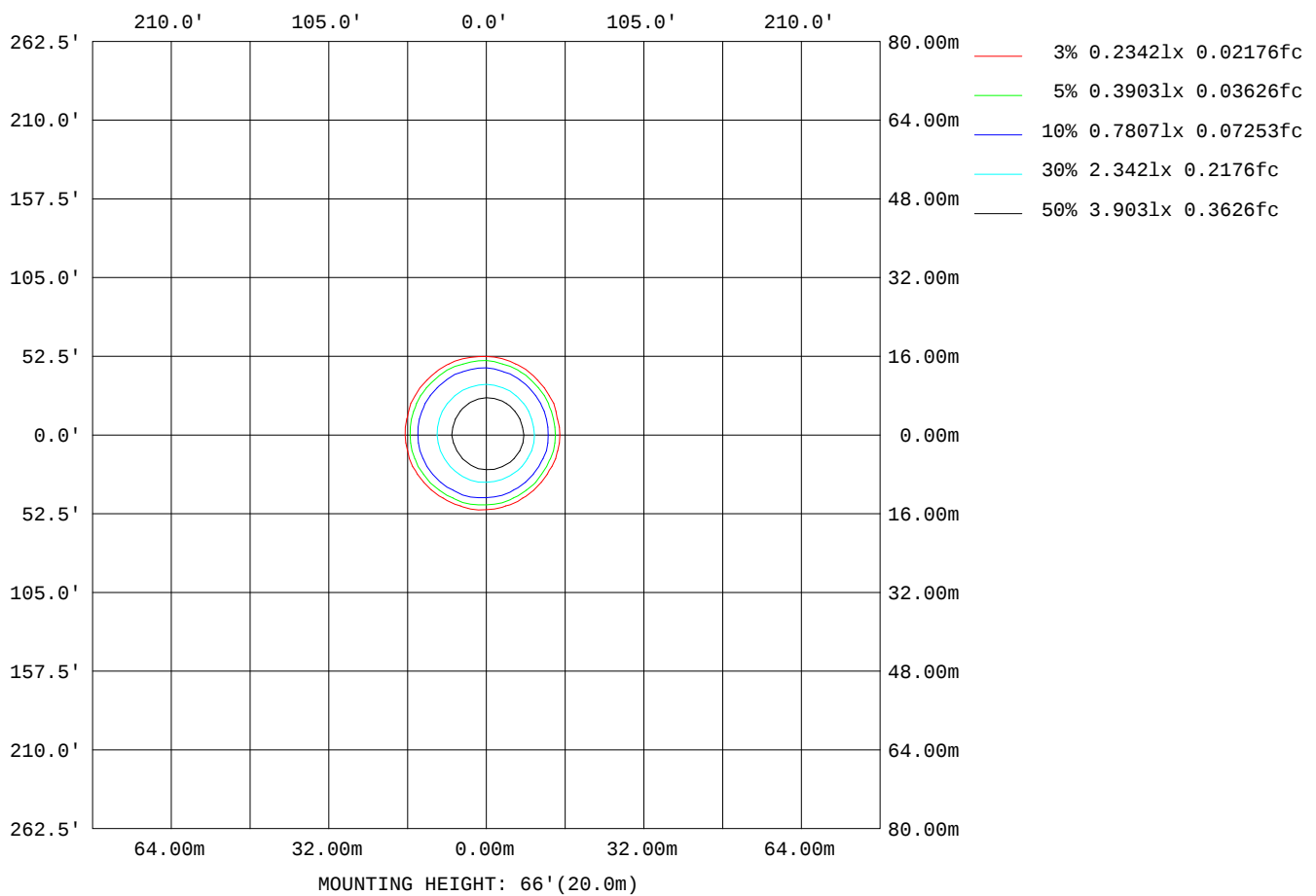
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

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

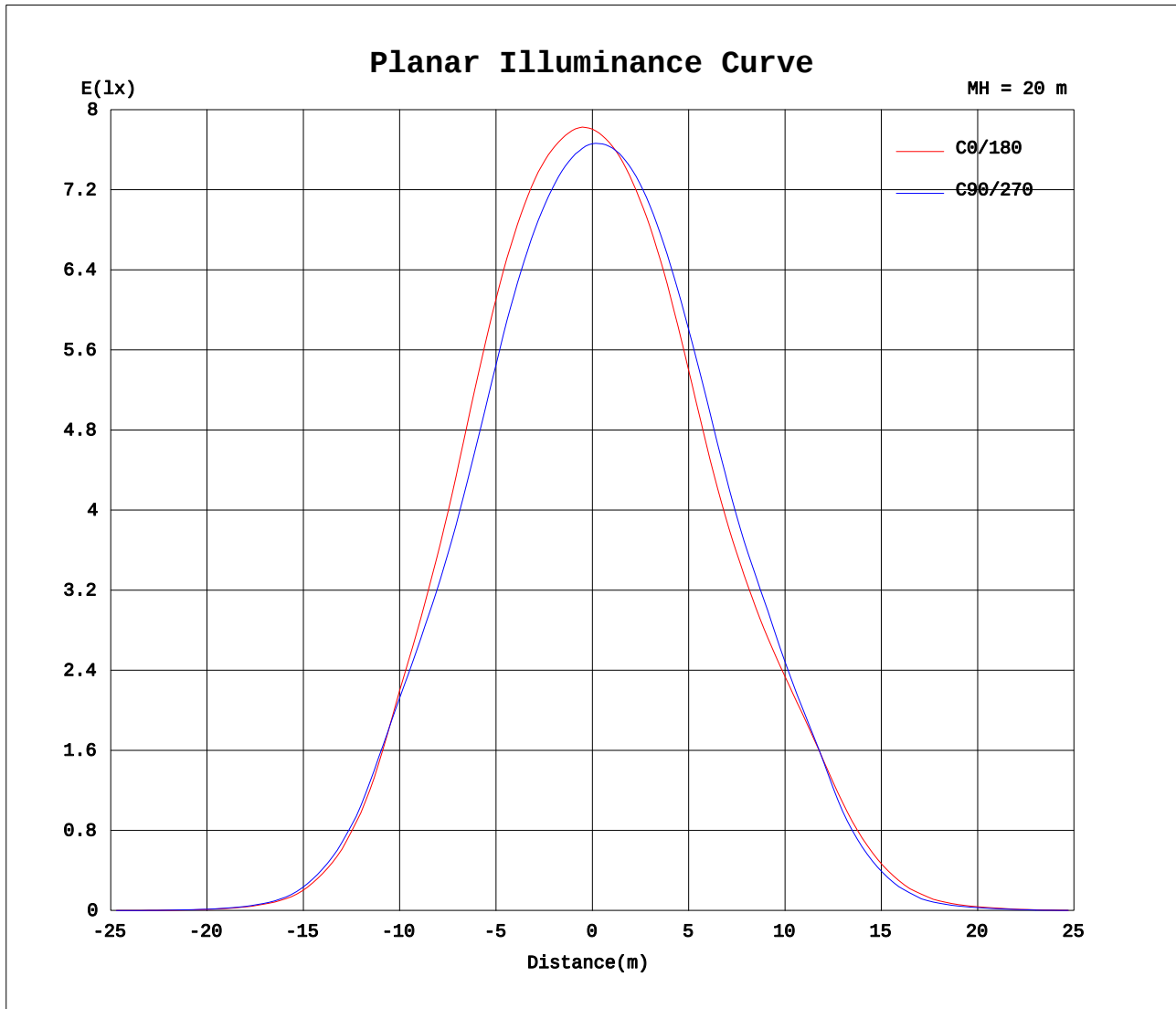
AvgL	cd/m2
L_0~180(65)av	1639
L_0~180(75)av	1008
L_0~180(85)av	857
L_90~270(65)av	262
L_90~270(75)av	241
L_90~270(85)av	717
L_45(65)av	261
L_45(75)av	294
L_45(85)av	805

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: 2021-08-12

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-CRI90-55D	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	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072
5	3056	3053	3038	3027	3006	2994	2974	2963	2948	2944	2941	2949	2951	2958	2977	2988	3009	3020	3036
10	2904	2900	2876	2860	2812	2779	2727	2708	2679	2680	2668	2685	2679	2683	2720	2735	2779	2799	2840
15	2545	2545	2499	2475	2405	2367	2302	2284	2239	2237	2218	2244	2229	2233	2279	2301	2384	2419	2467
20	1974	1977	1927	1910	1843	1828	1793	1799	1762	1756	1741	1767	1755	1761	1805	1836	1893	1923	1976
25	1392	1405	1361	1369	1328	1335	1337	1381	1364	1368	1370	1400	1388	1411	1444	1473	1509	1502	1544
30	730	739	695	730	715	754	794	878	897	956	995	1038	1028	1050	1083	1064	1091	1053	1058
35	264	266	241	258	260	284	303	346	366	431	482	524	519	536	550	523	526	484	464
40	64.0	64.6	56.5	62.2	65.8	71.4	74.0	84.0	90.4	122	136	164	167	170	178	160	165	134	131
45	13.6	13.1	11.0	12.6	13.0	14.8	16.4	20.2	22.6	30.0	35.4	40.3	43.0	47.5	50.5	47.0	45.7	37.8	33.9
50	1.61	1.47	1.23	1.25	1.24	1.45	1.52	1.89	2.16	3.41	4.67	6.67	7.03	7.19	8.44	7.71	7.54	5.59	4.82
55	0.86	0.72	0.68	0.69	0.73	0.77	0.77	0.76	0.79	0.88	1.24	2.30	9.91	2.64	1.03	0.88	0.81	0.76	0.75
60	0.95	0.65	0.65	0.62	0.66	0.72	0.73	0.74	0.74	0.82	1.64	3.15	9.45	9.27	1.30	0.82	0.76	0.74	0.72
65	0.70	0.51	0.61	0.58	0.60	0.66	0.68	0.66	0.62	0.65	1.72	3.73	6.79	8.18	3.30	0.64	0.60	0.56	0.51
70	0.50	0.48	0.59	0.59	0.57	0.59	0.59	0.59	0.58	0.62	1.07	3.06	5.25	5.77	1.80	0.36	0.33	0.32	0.31
75	0.37	0.44	0.49	0.45	0.41	0.36	0.37	0.38	0.47	0.56	0.60	1.35	2.45	0.75	0.36	0.34	0.31	0.31	0.30
80	0.35	0.46	0.47	0.41	0.39	0.35	0.36	0.38	0.46	0.50	0.54	0.57	0.59	0.36	0.44	0.34	0.31	0.31	0.31
85	0.36	0.45	0.38	0.41	0.35	0.35	0.36	0.38	0.40	0.47	0.43	0.50	0.45	0.33	0.35	0.35	0.31	0.31	0.31
90	0.37	0.42	0.37	0.37	0.35	0.36	0.36	0.38	0.41	0.44	0.43	0.51	0.61	0.47	0.46	0.40	0.33	0.32	0.32
95	0.43	0.55	0.49	0.44	0.39	0.38	0.37	0.40	0.42	0.54	0.65	0.66	1.67	1.49	0.90	0.46	0.35	0.33	0.34
100	0.56	0.57	0.54	0.55	0.48	0.44	0.43	0.46	0.50	0.67	0.89	1.10	2.26	2.21	0.63	0.48	0.39	0.37	0.38
105	0.78	0.80	0.78	0.74	0.70	0.64	0.63	0.64	0.64	0.74	0.82	0.91	1.10	1.19	0.89	0.65	0.51	0.51	0.51
110	1.33	1.40	1.41	1.35	1.29	1.22	1.18	1.18	1.11	1.15	1.19	1.24	1.48	1.72	1.48	1.00	0.84	0.88	0.90
115	2.34	2.45	2.49	2.44	2.41	2.28	2.22	2.22	2.09	2.08	2.10	2.10	2.19	2.47	2.36	1.73	1.61	1.71	1.73
120	3.81	3.94	4.03	3.99	4.03	3.86	3.80	3.79	3.63	3.56	3.55	3.48	3.52	3.52	3.19	3.00	2.91	3.05	3.08
125	5.80	5.94	6.07	5.89	6.01	5.94	5.92	5.92	5.65	5.66	5.63	5.46	5.42	5.35	5.06	4.95	4.83	5.00	5.01
130	8.37	8.49	8.62	8.49	8.58	8.48	8.49	8.49	8.24	8.15	8.30	8.06	8.00	7.90	7.55	7.37	7.38	7.56	7.55
135	11.3	11.3	11.5	11.4	11.5	11.5	11.5	11.6	11.4	11.2	11.2	11.1	11.0	10.9	10.6	10.4	10.8	10.7	10.6
140	14.2	14.3	14.5	14.5	14.7	14.7	14.8	14.8	14.6	14.4	14.5	14.3	14.2	14.1	13.7	13.6	13.9	13.9	13.6
145	17.2	17.3	17.5	17.6	17.9	17.9	18.0	17.9	17.8	17.6	17.6	17.5	17.3	17.2	16.9	16.8	16.8	17.0	16.7
150	19.9	20.0	20.2	20.3	20.5	20.5	20.6	20.6	20.5	20.4	20.3	20.2	20.0	19.9	19.7	19.7	19.6	19.7	19.7
155	22.1	22.3	22.3	22.4	22.8	22.7	22.8	22.8	22.7	22.4	22.4	22.3	22.0	22.0	21.9	21.9	22.0	22.1	22.1
160	23.5	23.8	23.7	23.6	23.8	23.9	24.1	24.2	23.9	23.5	23.6	23.9	23.5	23.1	23.3	23.9	23.8	23.8	24.6
165	24.1	24.3	24.1	24.3	24.4	24.5	24.5	24.4	24.2	24.1	24.1	24.4	23.7	23.6	23.8	24.1	24.3	24.9	25.5
170	24.6	24.6	24.6	24.7	24.8	24.9	24.8	24.7	24.5	24.6	24.7	24.7	23.9	24.1	24.2	24.3	24.3	24.5	24.8
175	24.9	24.9	25.0	25.1	25.1	25.0	24.9	24.9	25.0	25.2	25.3	25.1	24.6	24.7	25.0	25.1	25.0	25.0	25.0
180	25.2	25.3	25.4	25.6	25.5	25.4	25.5	25.5	25.6	25.9	25.8	25.7	25.3	25.3	25.4	25.6	25.5	25.3	25.5

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	3072	3072	3072	3072	3072													
5	3041	3052	3052	3052	3053													
10	2854	2889	2895	2912	2900													
15	2482	2534	2543	2569	2543													
20	1990	2019	2003	2016	1978													
25	1514	1511	1471	1463	1408													
30	1005	973	861	827	747													
35	410	377	322	311	272													
40	106	94.3	80.3	76.3	65.5													
45	28.6	26.2	21.7	18.5	14.6													
50	3.64	3.25	2.41	2.11	1.72													
55	0.77	0.82	0.85	1.10	1.18													
60	0.73	0.77	0.80	2.18	1.93													
65	0.50	0.50	0.52	1.09	2.02													
70	0.30	0.29	0.29	0.30	0.84													
75	0.30	0.29	0.29	0.30	0.33													
80	0.30	0.30	0.29	0.31	0.31													
85	0.30	0.30	0.29	0.31	0.31													
90	0.31	0.32	0.32	0.34	0.34													
95	0.32	0.34	0.35	0.39	0.39													
100	0.37	0.39	0.39	0.44	0.46													
105	0.53	0.54	0.59	0.72	0.91													
110	0.95	0.99	1.10	1.18	1.32													
115	1.84	1.91	2.07	2.14	2.33													
120	3.25	3.35	3.48	3.59	3.81													
125	5.24	5.41	5.42	5.60	5.83													
130	7.85	8.60	7.90	8.19	8.46													
135	11.2	12.9	10.9	11.1	11.5													
140	15.3	15.8	13.9	14.0	14.3													
145	16.9	17.0	17.0	17.1	17.3													
150	19.7	19.8	19.9	19.9	20.1													
155	22.2	22.2	22.2	22.3	22.3													
160	23.9	23.9	24.1	23.9	23.8													
165	25.2	24.6	24.6	24.6	24.5													
170	24.8	24.9	24.9	25.0	25.1													
175	25.2	25.5	25.6	25.5	25.4													
180	25.4	25.6	25.9	25.8	25.7													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: