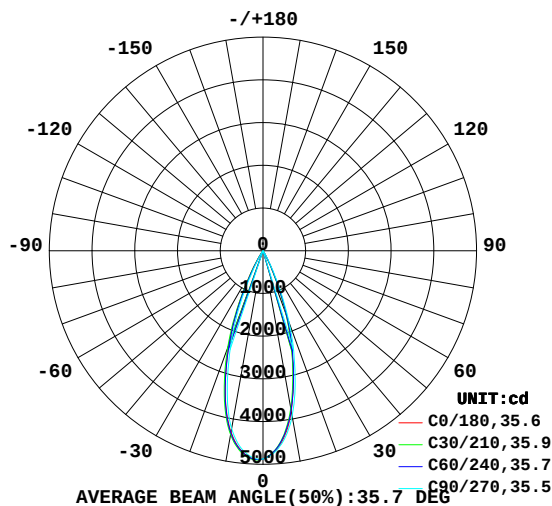


LUMINAIRE PHOTOMETRIC TEST REPORT

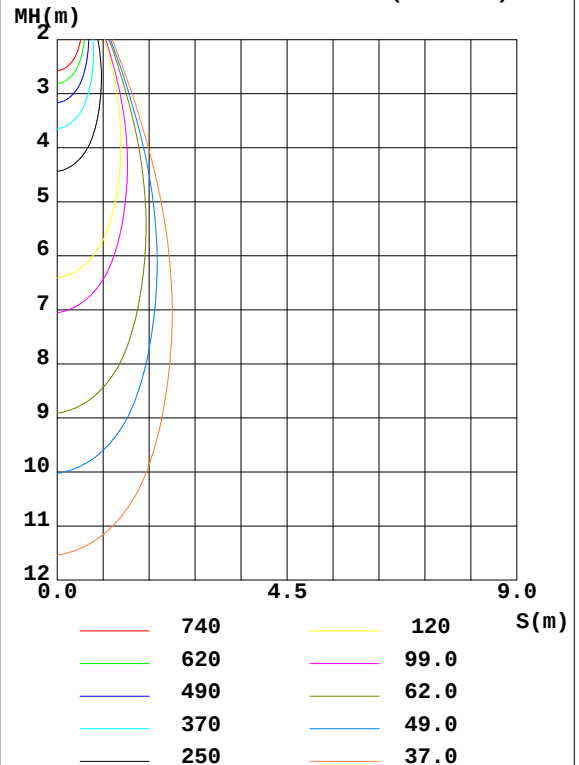
NAME: VM070-VF71RA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.47 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	4901	S/MH(C0/180)	0.61
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1786.2	η UP, DN(C0-180)	1.3, 46.8
NOMINAL FLUX(lm)	1786.18	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 50.7
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.5	CIBSE SHR MAX	0.60

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: 2021-08-13

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:

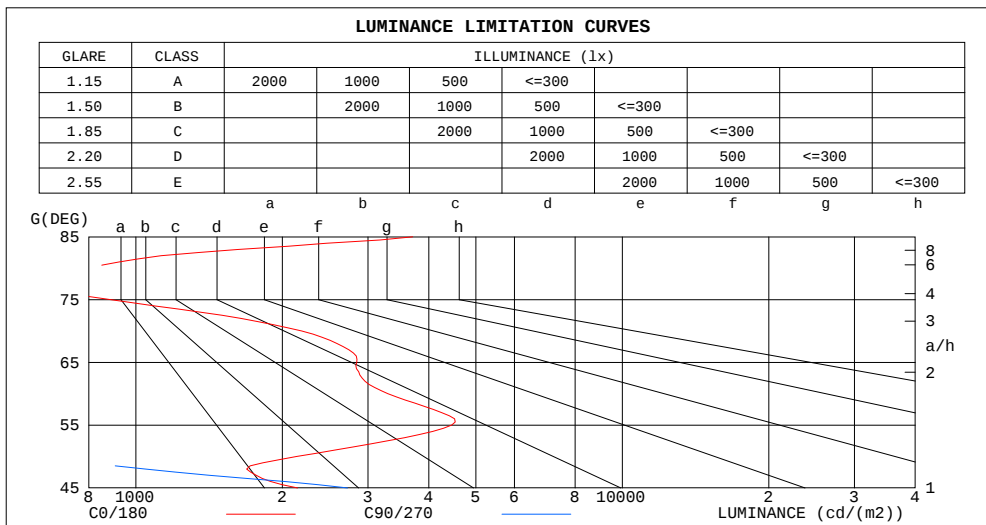
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3812	3778	3931	4193	4313	4338	4229	3926	0- 10	426.7	426.7	23.9, 23.9
20	1606	1621	1787	2153	2329	2353	2098	1717	10- 20	832.0	1259	70.5, 70.5
30	117.0	127.6	177.3	330.6	413.7	369.6	227.8	122.3	20- 30	419.8	1679	94, 94
40	18.17	18.85	22.33	27.51	32.13	30.00	22.78	18.80	30- 40	48.10	1727	96.7, 96.7
50	7.371	1.554	1.887	3.186	3.839	3.906	2.753	1.811	40- 50	9.110	1736	97.2, 97.2
60	8.817	1.713	0.6730	0.5250	0.4828	0.6505	0.8008	1.954	50- 60	2.892	1739	97.3, 97.3
70	4.008	0.5842	0.4295	0.4228	0.3410	0.2902	0.2722	0.4637	60- 70	1.636	1740	97.4, 97.4
80	0.7364	0.5470	0.3451	0.3335	0.2776	0.2503	0.2988	0.4072	70- 80	0.5829	1741	97.5, 97.5
90	0.5170	0.4263	0.3766	0.3895	0.3497	0.3053	0.3585	0.3850	80- 90	0.4678	1741	97.5, 97.5
100	0.8936	0.5716	0.4186	0.4333	0.4415	0.3625	0.4249	0.6451	90-100	0.6240	1742	97.5, 97.5
110	1.236	0.7626	0.5153	0.4741	0.4962	0.4437	0.5336	0.7873	100-110	0.6099	1743	97.6, 97.6
120	3.396	2.149	1.800	1.350	1.337	1.273	1.631	2.062	110-120	1.080	1744	97.6, 97.6
130	7.656	7.172	6.420	5.364	5.051	5.030	5.624	6.760	120-130	3.297	1747	97.8, 97.8
140	15.30	15.37	14.32	12.83	12.43	12.26	13.13	14.88	130-140	7.498	1754	98.2, 98.2
150	23.09	22.87	22.46	21.28	20.85	20.77	21.66	22.79	140-150	11.27	1766	98.9, 98.9
160	25.55	25.61	25.90	25.86	25.46	25.71	26.31	26.50	150-160	11.25	1777	99.5, 99.5
170	21.64	21.58	22.73	23.40	23.35	23.66	23.60	22.56	160-170	7.059	1784	99.9, 99.9
180	21.22	21.66	21.55	22.02	21.25	21.65	21.56	22.00	170-180	2.104	1786	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:2021-08-13

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-VF71RA01-20W	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	3707	759
80	793	367
75	885	240
70	2190	232
65	2845	235
60	3296	248
55	4458	232
50	2144	542
45	2149	2722

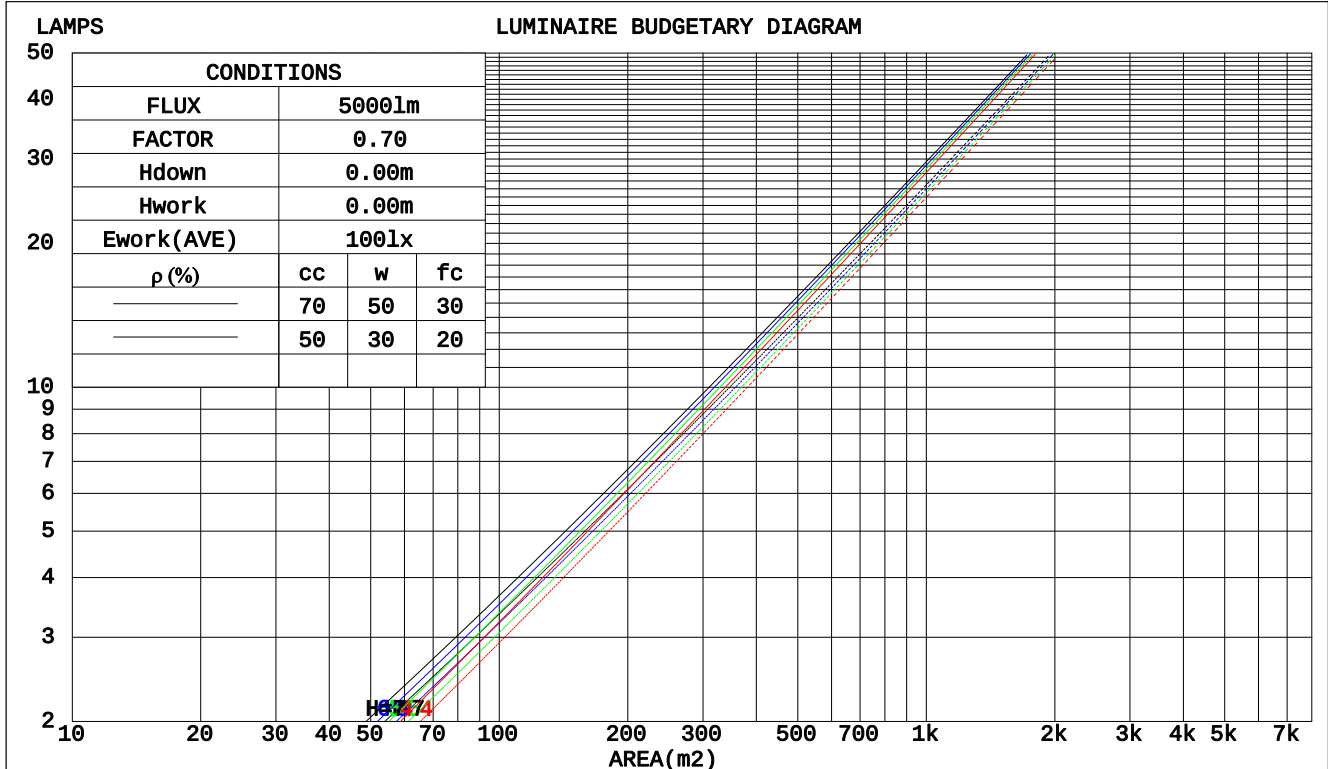
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-13

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-VF71RA01-20W	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	.95	.94
2.0	1.06	1.03	.00	1.04	1.01	.99	1.01	.98	.96	.97	.95	.94	.94	.93	.92	.90
3.0	1.01	.97	.94	.99	.96	.93	.96	.94	.91	.94	.91	.89	.91	.89	.88	.86
4.0	.96	.92	.89	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.86	.84	.83
5.0	.92	.88	.84	.91	.87	.84	.89	.86	.83	.87	.84	.82	.86	.83	.81	.80
6.0	.88	.84	.81	.88	.83	.80	.86	.82	.80	.84	.81	.79	.83	.80	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.78	.76	.80	.78	.75	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.77	.74	.71	.76	.73	.71	.76	.72	.70	.69
10.0	.76	.72	.69	.76	.72	.69	.75	.71	.68	.74	.71	.68	.73	.70	.68	.67



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-13

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-VF71RA01-20W	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	.147	.084	.027	.140	.080	.025	.126	.072	.023	.113	.065	.021	.102	.059	.019		
2.0	.137	.075	.023	.131	.072	.022	.119	.066	.021	.109	.061	.019	.099	.056	.018		
3.0	.128	.068	.020	.123	.066	.020	.113	.061	.019	.104	.057	.018	.096	.053	.016		
4.0	.121	.063	.018	.116	.061	.018	.108	.057	.017	.100	.054	.016	.093	.050	.015		
5.0	.114	.058	.017	.111	.057	.017	.103	.054	.016	.096	.051	.015	.090	.048	.014		
6.0	.109	.054	.016	.105	.053	.015	.099	.051	.015	.093	.048	.014	.087	.046	.014		
7.0	.104	.051	.015	.101	.050	.014	.095	.048	.014	.089	.046	.013	.084	.044	.013		
8.0	.099	.048	.014	.096	.047	.013	.091	.046	.013	.086	.044	.013	.082	.042	.012		
9.0	.095	.046	.013	.092	.045	.013	.088	.043	.012	.084	.042	.012	.080	.040	.012		
10.0	.091	.044	.012	.089	.043	.012	.085	.042	.012	.081	.040	.011	.077	.039	.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	.166	.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	.157	.133	.114	.134	.115	.099	.092	.080	.069	.053	.046	.041	.017	.015	.013	
4.0	.145	.118	.097	.124	.102	.084	.085	.071	.059	.049	.042	.035	.016	.014	.012	
5.0	.135	.106	.084	.116	.091	.073	.080	.064	.052	.046	.037	.031	.015	.012	.010	
6.0	.126	.096	.074	.109	.083	.064	.075	.058	.046	.043	.034	.027	.014	.011	.009	
7.0	.119	.088	.066	.103	.076	.057	.071	.053	.041	.041	.031	.024	.013	.010	.008	
8.0	.113	.081	.060	.097	.071	.052	.067	.050	.037	.039	.029	.022	.013	.010	.007	
9.0	.108	.076	.054	.093	.066	.047	.064	.046	.034	.037	.027	.020	.012	.009	.007	
10.0	.103	.071	.050	.089	.062	.044	.062	.044	.031	.036	.026	.019	.012	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-13

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-VF71RA01-20W						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	3H	3.8	4.5	4.0	4.7	4.8	1.6	2.3	1.8	2.5	2.7
	4H	4.7	5.3	4.9	5.5	5.8	1.4	2.1	1.7	2.3	2.5
	6H	4.7	5.3	5.0	5.6	5.8	1.4	2.0	1.7	2.2	2.5
	8H	4.7	5.3	5.0	5.5	5.8	1.3	1.9	1.6	2.2	2.4
	12H	4.7	5.3	5.0	5.5	5.8	1.3	1.8	1.6	2.1	2.4
	12H	4.9	5.4	5.2	5.7	6.0	1.3	1.8	1.6	2.1	2.4
4H	2H	3.6	4.2	3.9	4.5	4.8	1.5	2.2	1.8	2.4	2.7
	3H	4.6	5.1	5.0	5.5	5.8	1.4	1.9	1.7	2.2	2.5
	4H	4.7	5.2	5.1	5.5	5.8	1.3	1.8	1.7	2.1	2.5
	6H	4.7	5.1	5.1	5.5	5.9	1.3	1.7	1.7	2.1	2.5
	8H	4.7	5.1	5.1	5.5	5.9	1.3	1.7	1.7	2.1	2.5
	12H	5.0	5.4	5.4	5.8	6.2	1.3	1.7	1.7	2.1	2.5
8H	4H	4.5	4.9	5.0	5.3	5.7	1.3	1.7	1.7	2.0	2.5
	6H	4.5	4.9	5.0	5.3	5.8	1.2	1.6	1.7	2.0	2.5
	8H	4.6	4.9	5.1	5.4	5.8	1.3	1.6	1.8	2.0	2.5
	12H	5.0	5.3	5.5	5.8	6.3	1.4	1.6	1.9	2.1	2.6
12H	4H	4.5	4.8	4.9	5.3	5.7	1.2	1.6	1.7	2.0	2.4
	6H	4.5	4.8	5.0	5.2	5.7	1.2	1.5	1.7	2.0	2.5
	8H	4.6	4.8	5.1	5.3	5.8	1.3	1.5	1.8	2.0	2.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.3 / - 0.3					+ 3.7 / - 5.6				
1.5H		+ 1.3 / - 1.5					+ 5.9 / - 5.3				
2.0H		+ 2.5 / - 4.0					+ 5.4 / - 2.5				

CIE Pub.117, 1786 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.0$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-13

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-VF71RA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

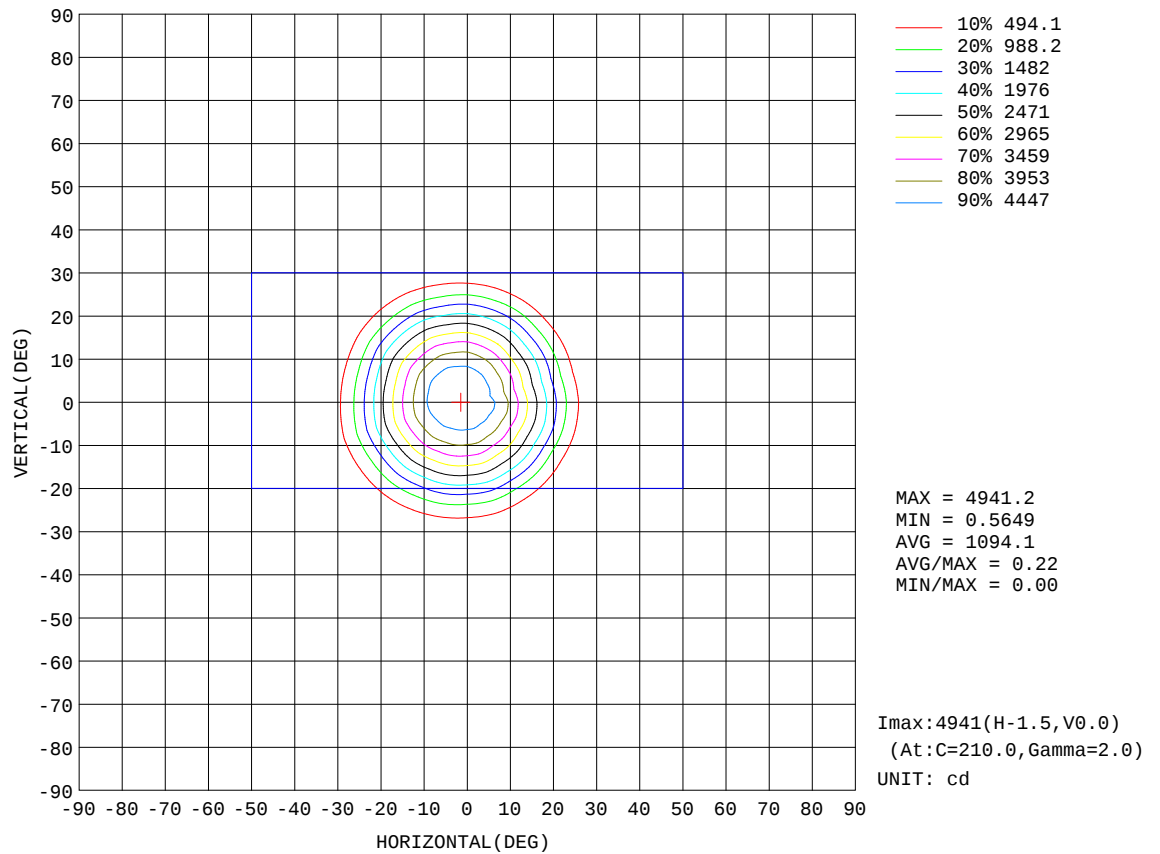
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	90	84	80	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	94	90	87	84
1.00	100	95	92	99	95	92	98	94	91	87
1.25	104	99	96	103	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	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	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:2021-08-13

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-VF71RA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

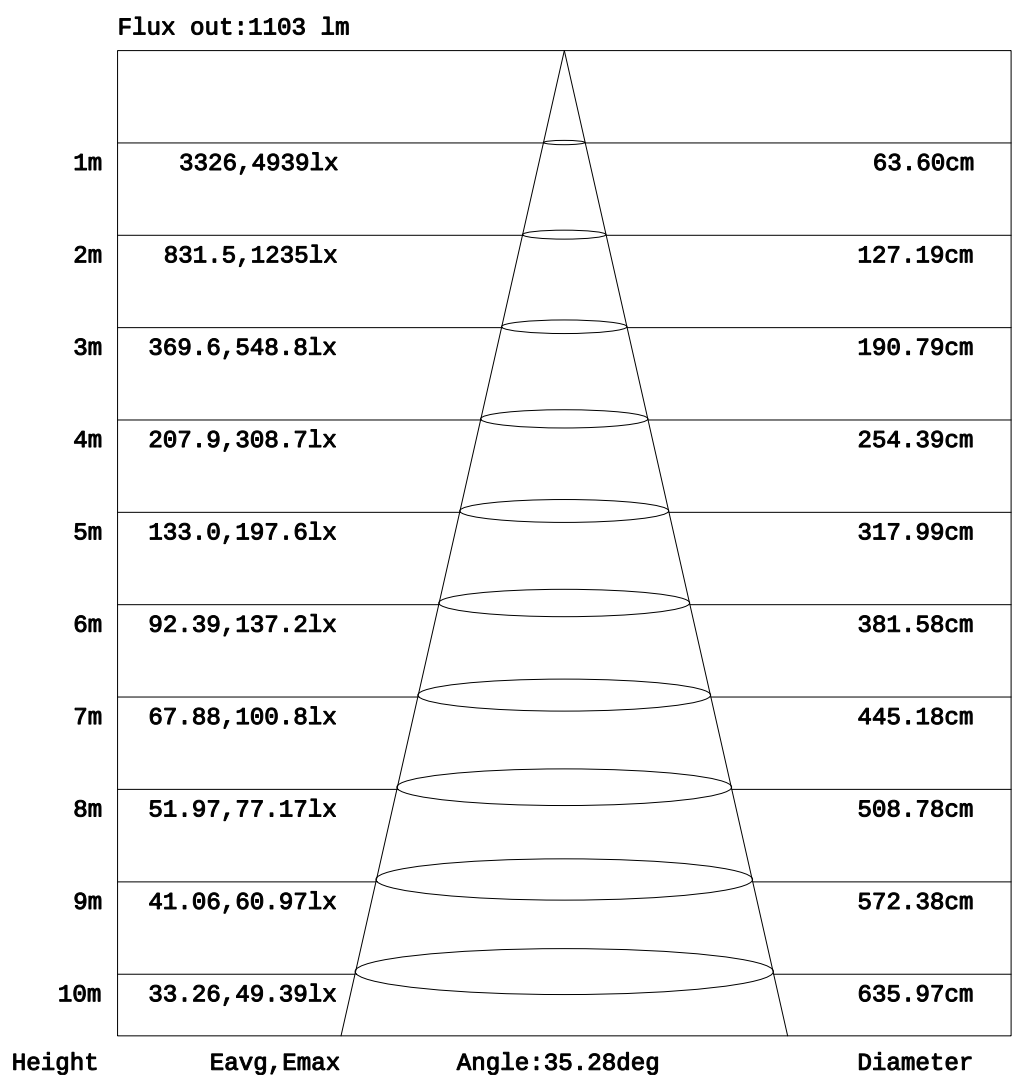


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-13

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-VF71RA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



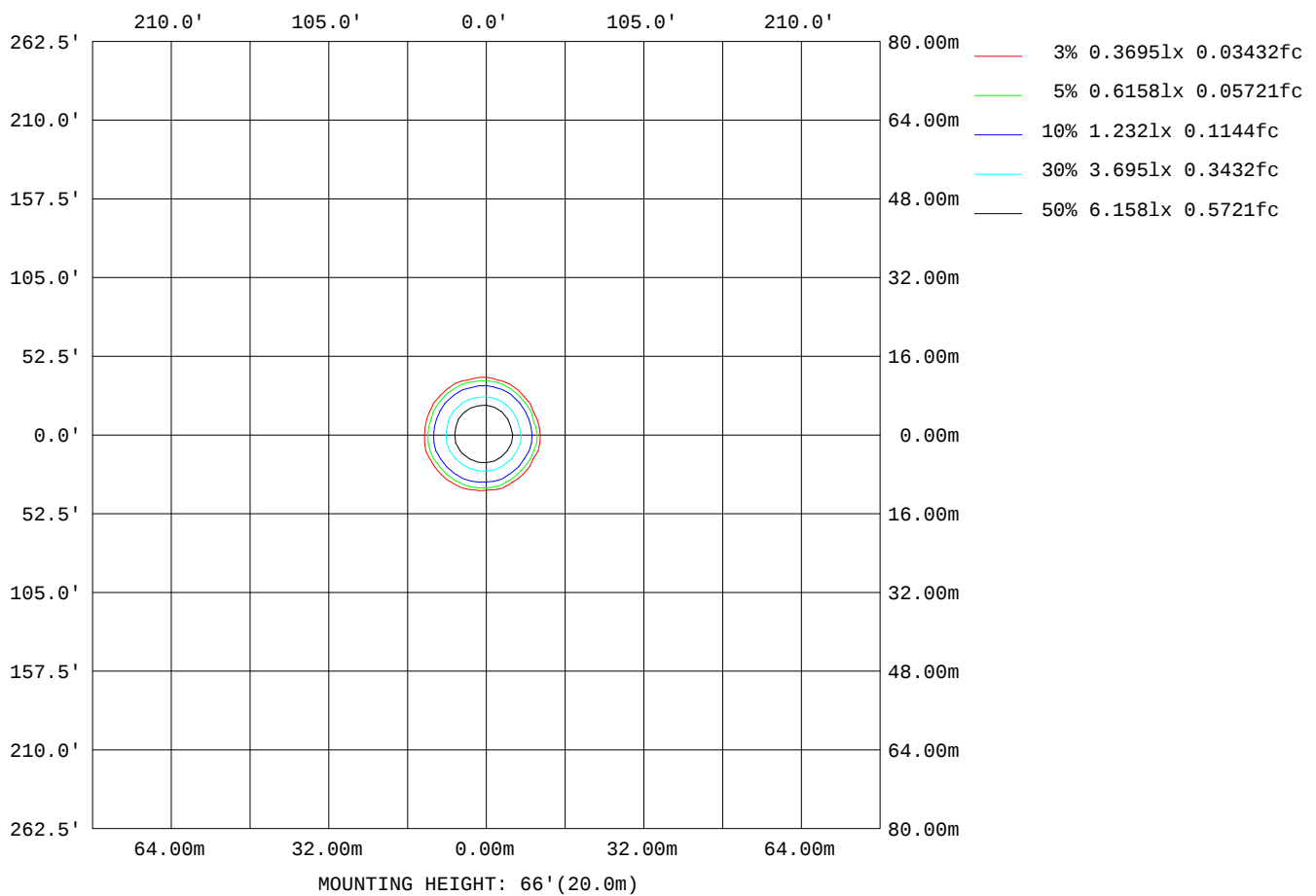
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-13

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-VF71RA01-20W	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: 2021-08-13

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-VF71RA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

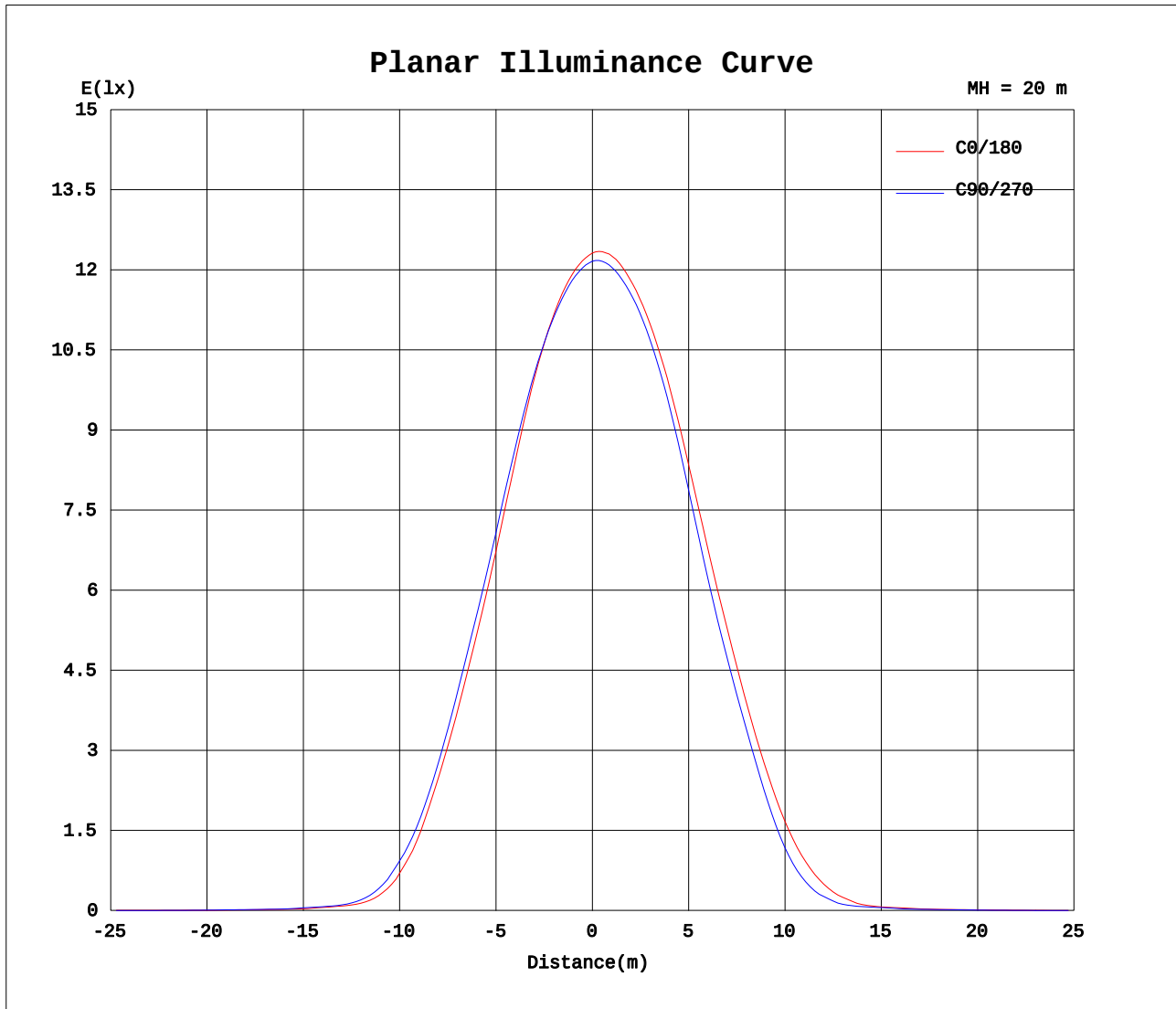
AvgL	cd/m2
L_0~180(65)av	1482
L_0~180(75)av	559
L_0~180(85)av	2160
L_90~270(65)av	241
L_90~270(75)av	220
L_90~270(85)av	730
L_45(65)av	454
L_45(75)av	291
L_45(85)av	790

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-13

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: 2021-08-13

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-VF71RA01-20W	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	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873	4873
5	4562	4560	4522	4533	4537	4580	4589	4629	4660	4718	4751	4807	4783	4787	4818	4800	4793	4755	4744
10	3812	3817	3742	3778	3792	3896	3931	4015	4075	4193	4252	4361	4313	4317	4371	4338	4335	4256	4229
15	2704	2718	2664	2721	2740	2861	2897	3003	3087	3256	3346	3492	3420	3416	3505	3453	3429	3288	3235
20	1606	1641	1574	1621	1636	1757	1787	1896	1981	2153	2243	2406	2329	2330	2428	2353	2302	2148	2098
25	598	601	552	591	617	720	747	849	934	1077	1153	1304	1231	1210	1285	1206	1161	1014	969
30	117	127	108	128	129	169	177	217	263	331	371	456	414	403	413	370	333	256	228
35	42.6	43.8	41.7	43.5	45.3	50.3	52.7	56.9	61.9	68.9	75.2	90.5	82.4	76.9	80.5	70.5	64.9	58.7	54.1
40	18.2	18.3	18.0	18.8	19.6	21.3	22.3	23.9	25.1	27.5	30.2	35.2	32.1	31.3	33.1	30.0	27.5	23.4	22.8
45	8.13	7.66	6.52	7.29	7.88	9.69	10.4	11.8	12.9	14.7	15.8	17.1	16.2	15.8	16.2	15.3	14.6	12.9	12.1
50	7.37	10.8	2.17	1.55	1.62	1.89	1.89	2.19	2.52	3.19	3.58	4.36	3.84	3.80	4.20	3.91	3.68	3.01	2.75
55	13.7	14.8	9.12	1.08	0.97	0.85	0.72	0.62	0.58	0.59	0.61	0.70	0.62	0.60	0.69	0.77	0.84	0.89	0.83
60	8.82	8.67	6.79	1.71	0.91	0.81	0.67	0.59	0.55	0.53	0.53	0.52	0.48	0.47	0.51	0.65	0.78	0.84	0.80
65	6.43	6.42	4.81	1.83	0.65	0.57	0.54	0.50	0.46	0.42	0.40	0.39	0.34	0.32	0.32	0.43	0.56	0.60	0.56
70	4.01	4.11	2.51	0.58	0.45	0.39	0.43	0.46	0.46	0.42	0.41	0.40	0.34	0.30	0.28	0.29	0.31	0.31	0.27
75	1.23	1.24	0.66	0.57	0.47	0.36	0.34	0.32	0.34	0.38	0.42	0.41	0.34	0.31	0.27	0.25	0.25	0.26	0.28
80	0.74	0.77	0.66	0.55	0.48	0.38	0.35	0.34	0.32	0.33	0.34	0.35	0.28	0.27	0.27	0.25	0.27	0.27	0.30
85	1.73	0.94	0.52	0.47	0.43	0.39	0.36	0.36	0.35	0.36	0.35	0.40	0.31	0.30	0.30	0.27	0.29	0.31	0.33
90	0.52	0.51	0.47	0.43	0.40	0.39	0.38	0.38	0.37	0.39	0.39	0.42	0.35	0.33	0.33	0.31	0.32	0.33	0.36
95	3.10	1.97	0.57	0.54	0.39	0.39	0.38	0.39	0.39	0.43	0.43	0.48	0.40	0.37	0.36	0.34	0.34	0.35	0.38
100	0.89	0.70	1.49	0.57	0.42	0.41	0.42	0.41	0.41	0.43	0.48	0.51	0.44	0.40	0.39	0.36	0.37	0.38	0.42
105	0.97	1.13	0.86	0.71	0.45	0.43	0.44	0.44	0.42	0.44	0.47	0.51	0.46	0.43	0.42	0.40	0.40	0.41	0.46
110	1.24	1.58	1.06	0.76	0.54	0.51	0.52	0.50	0.47	0.47	0.48	0.51	0.50	0.47	0.45	0.44	0.44	0.48	0.53
115	1.93	2.27	1.67	1.11	0.90	0.87	0.86	0.76	0.70	0.66	0.66	0.66	0.68	0.65	0.62	0.64	0.63	0.72	0.81
120	3.40	3.20	2.75	2.15	1.99	1.87	1.80	1.63	1.48	1.35	1.33	1.28	1.34	1.31	1.23	1.27	1.31	1.47	1.63
125	5.37	4.77	4.59	4.14	4.03	3.76	3.59	3.36	3.15	2.86	2.73	2.54	2.71	2.72	2.62	2.70	2.76	3.01	3.16
130	7.66	7.36	7.36	7.17	7.03	6.65	6.42	6.13	5.80	5.36	5.16	4.81	5.05	5.05	4.96	5.03	5.15	5.48	5.62
135	11.0	11.0	11.6	11.1	10.8	10.4	10.1	9.73	9.34	8.83	8.59	8.19	8.43	8.39	8.19	8.35	8.44	8.84	9.05
140	15.3	15.4	16.3	15.4	15.2	14.7	14.3	14.0	13.5	12.8	12.6	12.2	12.4	12.4	12.1	12.3	12.4	12.9	13.1
145	20.0	19.8	19.9	19.4	19.3	19.0	18.7	18.4	17.8	17.2	16.9	16.5	16.7	16.6	16.4	16.6	16.8	17.3	17.5
150	23.1	23.0	23.1	22.9	22.8	22.5	22.5	22.2	21.8	21.3	21.0	20.7	20.8	20.8	20.6	20.8	21.0	21.4	21.7
155	25.0	24.9	25.0	25.0	25.0	24.9	24.9	24.9	24.7	24.4	24.2	24.0	24.0	24.0	23.9	24.0	24.3	24.6	24.7
160	25.6	25.4	25.1	25.6	25.7	25.7	25.9	26.1	26.0	25.9	25.6	25.5	25.5	25.5	25.6	25.7	26.0	26.2	26.3
165	24.0	23.8	23.6	24.0	24.3	24.8	25.0	25.3	25.2	25.2	25.2	25.3	25.1	25.3	25.4	25.4	25.6	25.8	25.9
170	21.6	21.5	21.4	21.6	21.9	22.4	22.7	23.0	23.1	23.4	23.7	23.9	23.3	23.5	23.8	23.7	23.6	23.6	23.6
175	20.6	20.5	20.6	21.0	21.2	21.2	21.2	21.5	21.8	22.3	22.4	22.4	21.8	22.0	22.4	22.5	22.3	22.0	22.0
180	21.2	21.2	21.4	21.7	21.5	21.4	21.6	21.5	21.7	22.0	21.8	21.7	21.3	21.2	21.5	21.6	21.5	21.4	21.6

C Range: 0 - 360DEG
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Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-13

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-VF71RA01-20W	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	4873	4873	4873	4873	4873														
5	4713	4678	4621	4591	4539														
10	4140	4055	3926	3860	3749														
15	3104	3002	2829	2751	2622														
20	1987	1880	1717	1649	1524														
25	869	794	669	624	547														
30	192	171	122	119	97.9														
35	50.9	48.4	44.7	43.0	39.1														
40	21.6	20.4	18.8	18.2	17.2														
45	10.5	9.03	7.24	7.56	7.45														
50	2.27	1.84	1.81	10.4	11.9														
55	0.81	0.76	1.72	14.4	14.8														
60	0.79	0.77	1.95	7.40	8.70														
65	0.53	0.53	1.47	4.58	6.41														
70	0.31	0.38	0.46	2.44	3.74														
75	0.31	0.39	0.43	0.49	0.85														
80	0.34	0.38	0.41	0.47	0.54														
85	0.35	0.36	0.39	0.42	0.44														
90	0.37	0.37	0.38	0.43	0.45														
95	0.40	0.42	0.48	0.52	2.63														
100	0.44	0.47	0.65	0.69	0.77														
105	0.48	0.56	0.68	0.74	0.89														
110	0.57	0.67	0.79	0.94	1.15														
115	0.91	0.93	1.15	1.49	1.77														
120	1.82	1.82	2.06	2.64	3.09														
125	3.50	3.56	3.94	4.54	5.54														
130	6.09	6.32	6.76	7.10	7.76														
135	9.59	9.97	10.6	10.8	11.4														
140	13.8	14.1	14.9	15.6	16.2														
145	18.0	18.4	19.1	19.8	21.0														
150	22.0	22.3	22.8	23.1	23.6														
155	24.9	25.1	25.2	25.3	25.4														
160	26.2	26.4	26.5	25.8	25.5														
165	25.6	25.2	24.9	24.5	24.2														
170	23.4	23.0	22.6	22.3	22.1														
175	21.9	22.0	21.9	21.3	21.2														
180	21.5	21.7	22.0	21.8	21.7														

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C Interval: 15.0DEG
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Operators:LGL
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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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