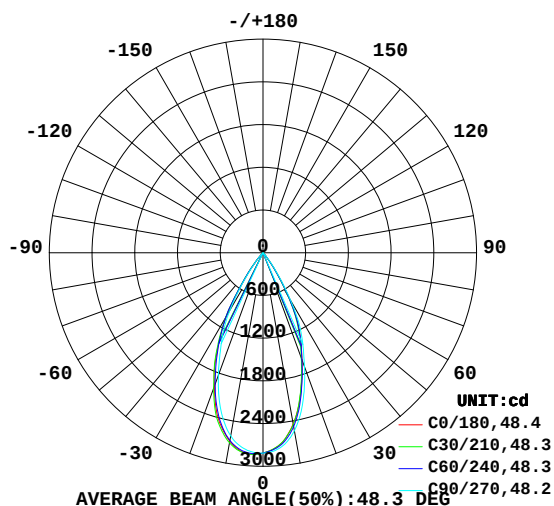


LUMINAIRE PHOTOMETRIC TEST REPORT

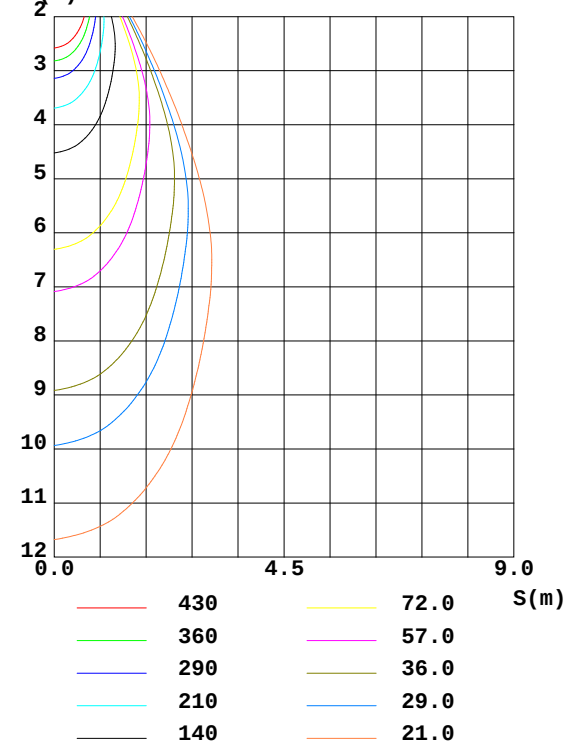
NAME: VM070-VF71RA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.56 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	2840	S/MH(C0/180)	0.80
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.77
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1813.3	η UP, DN(C0-180)	1.2, 47.3
NOMINAL FLUX(lm)	1813.26	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 50.2
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: 2021-08-13

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:

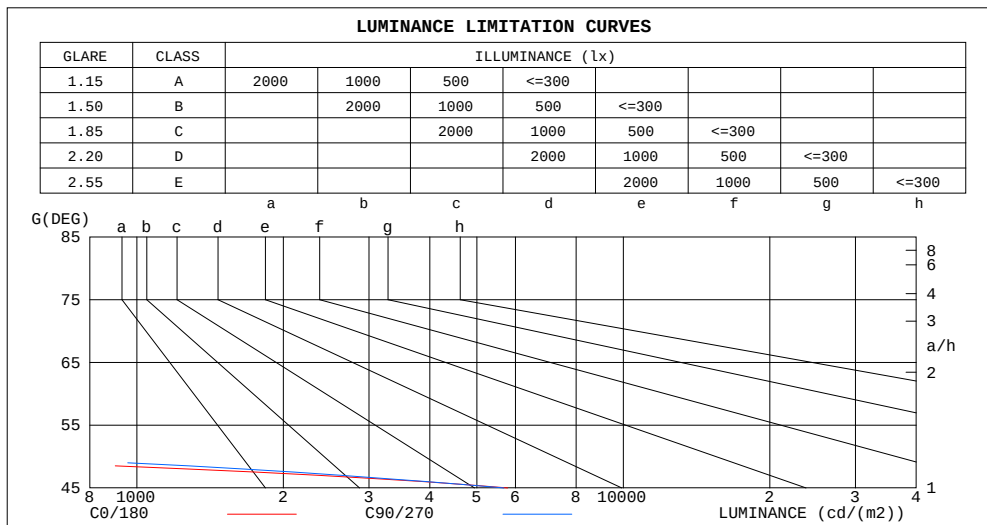
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2441	2478	2538	2656	2688	2692	2612	2496	0- 10	257.8	257.8	14.2,14.2
20	1603	1599	1705	1930	1998	1998	1836	1667	10- 20	616.5	874.3	48.2,48.2
30	746.5	740.9	792.0	961.3	1020	1046	930.2	784.3	20- 30	611.9	1486	82,82
40	83.28	73.85	90.24	136.5	141.1	132.0	120.7	89.93	30- 40	251.1	1737	95.8,95.8
50	1.230	1.249	1.970	3.476	8.742	4.573	3.236	1.525	40- 50	25.84	1763	97.2,97.2
60	0.5279	0.4820	0.7335	1.229	10.42	1.521	0.8325	0.4468	50- 60	2.409	1765	97.4,97.4
70	0.4257	0.4230	0.3702	0.5358	6.384	0.4954	0.2897	0.3007	60- 70	1.911	1767	97.5,97.5
80	0.3170	0.3222	0.3145	0.4620	0.6883	0.4188	0.2769	0.2547	70- 80	0.6868	1768	97.5,97.5
90	0.3625	0.3530	0.3424	0.4379	0.7251	0.3746	0.3079	0.2968	80- 90	0.3982	1768	97.5,97.5
100	0.4405	0.4277	0.4074	0.6563	0.7232	0.6202	0.3767	0.3838	90-100	0.5610	1769	97.6,97.6
110	1.106	1.113	1.057	1.139	1.400	1.073	0.9472	1.066	100-110	0.7581	1770	97.6,97.6
120	3.618	3.653	3.350	3.005	3.388	2.830	3.133	3.513	110-120	2.047	1772	97.7,97.7
130	8.235	8.332	7.779	7.194	6.871	6.677	7.132	8.038	120-130	4.698	1777	98,98
140	14.25	14.26	13.72	13.10	13.01	12.55	12.99	14.01	130-140	8.098	1785	98.4,98.4
150	19.32	19.45	19.18	18.44	18.56	17.97	18.70	19.36	140-150	10.30	1795	99,99
160	21.65	22.06	22.67	22.43	23.06	22.45	22.65	22.21	150-160	9.562	1805	99.5,99.5
170	22.59	22.82	23.57	23.71	23.34	23.45	23.66	23.31	160-170	6.488	1811	99.9,99.9
180	24.12	24.46	24.46	24.84	24.18	24.42	24.49	24.82	170-180	2.269	1813	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	726	722
80	343	334
75	228	222
70	234	200
65	198	232
60	199	271
55	191	247
50	360	565
45	5784	5682

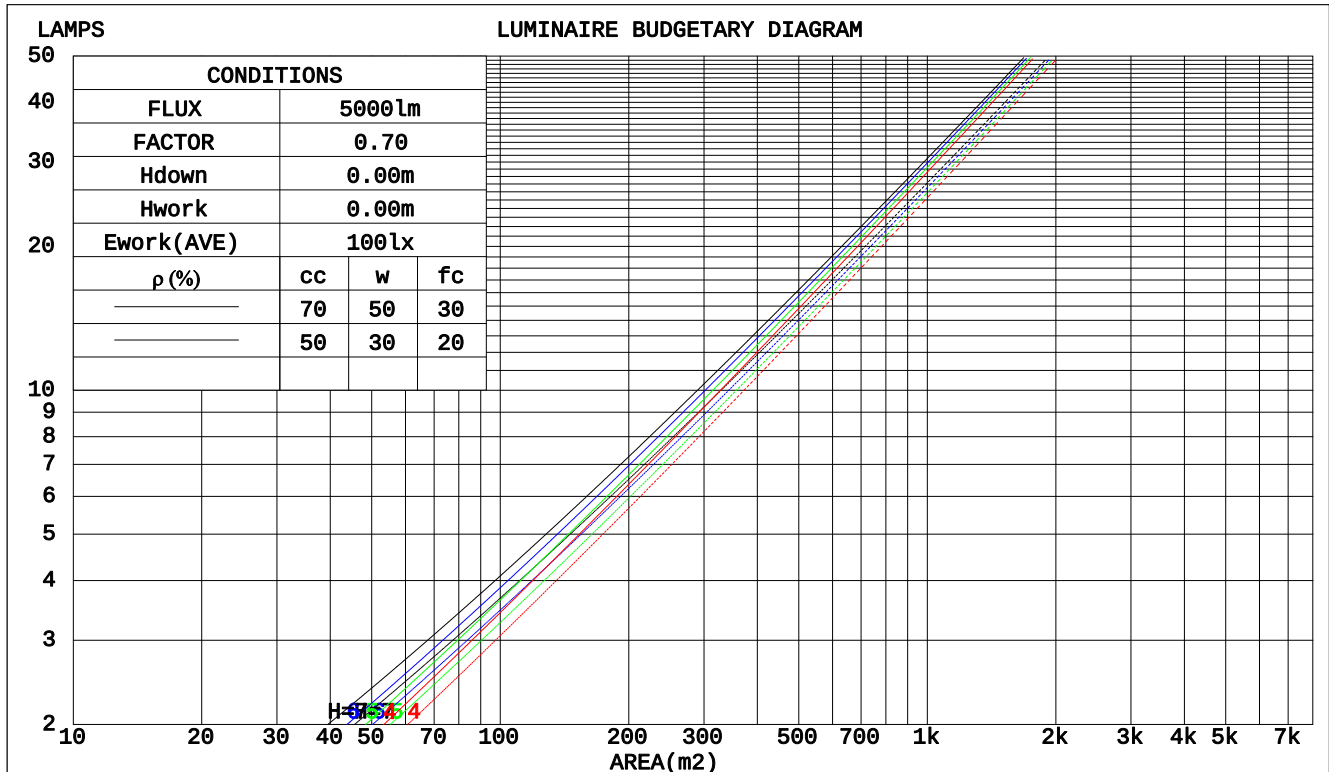
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-13

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-CRI90-55D	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			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	.98
1.0	1.11	1.09	1.06	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	.98	.96	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.98	.93	.90	.96	.92	.89	.93	.90	.87	.91	.88	.85	.88	.86	.84	.82
4.0	.92	.87	.83	.91	.86	.83	.88	.85	.81	.86	.83	.80	.84	.81	.79	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.82	.78	.76	.80	.77	.75	.73
6.0	.82	.77	.73	.82	.76	.73	.80	.75	.72	.78	.74	.71	.77	.73	.71	.69
7.0	.78	.73	.69	.77	.72	.69	.76	.71	.68	.75	.71	.68	.73	.70	.67	.66
8.0	.74	.69	.65	.74	.68	.65	.72	.68	.65	.71	.67	.64	.70	.66	.64	.62
9.0	.71	.65	.62	.70	.65	.62	.69	.64	.61	.68	.64	.61	.67	.63	.61	.59
10.0	.67	.62	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.64	.60	.58	.56



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
 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-VF71RA01-20W	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	.158	.090	.029	.144	.083	.026	.131	.076	.024	.119	.069	.022		
2.0	.157	.086	.026	.150	.083	.026	.139	.077	.024	.128	.072	.022	.118	.067	.021		
3.0	.148	.079	.024	.143	.077	.023	.133	.072	.022	.124	.068	.021	.115	.064	.020		
4.0	.141	.073	.022	.136	.071	.021	.128	.068	.020	.119	.064	.019	.112	.061	.019		
5.0	.134	.068	.020	.130	.067	.019	.123	.064	.019	.115	.061	.018	.109	.058	.017		
6.0	.128	.064	.018	.125	.063	.018	.118	.060	.018	.111	.058	.017	.106	.056	.017		
7.0	.123	.061	.017	.119	.059	.017	.113	.057	.017	.108	.055	.016	.102	.053	.016		
8.0	.117	.057	.016	.115	.056	.016	.109	.055	.016	.104	.053	.015	.099	.051	.015		
9.0	.113	.055	.015	.110	.054	.015	.105	.052	.015	.101	.050	.014	.096	.049	.014		
10.0	.108	.052	.014	.106	.051	.014	.102	.050	.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	.176	.165	.162	.151	.142	.111	.104	.098	.064	.060	.057	.020	.019	.018	
2.0	.173	.152	.133	.148	.131	.115	.102	.090	.080	.059	.053	.047	.019	.017	.015	
3.0	.160	.133	.111	.137	.114	.096	.094	.080	.067	.054	.046	.040	.018	.015	.013	
4.0	.149	.118	.094	.128	.102	.081	.088	.071	.057	.051	.042	.034	.016	.014	.011	
5.0	.140	.106	.081	.121	.092	.070	.083	.064	.050	.048	.038	.029	.016	.012	.010	
6.0	.133	.097	.071	.114	.084	.062	.079	.059	.044	.046	.034	.026	.015	.011	.009	
7.0	.126	.089	.063	.108	.077	.055	.075	.054	.039	.044	.032	.023	.014	.010	.008	
8.0	.120	.083	.057	.104	.072	.050	.072	.050	.035	.042	.030	.021	.013	.010	.007	
9.0	.115	.077	.052	.099	.067	.045	.069	.047	.032	.040	.028	.019	.013	.009	.006	
10.0	.111	.073	.048	.095	.063	.042	.066	.045	.030	.039	.026	.018	.013	.009	.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-CRI90-55D						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		13.7	14.6	14.0	14.8	15.0	14.0	14.9	14.3	15.1	15.3
3H		13.5	14.3	13.8	14.5	14.8	13.9	14.6	14.1	14.9	15.1
4H		13.4	14.2	13.8	14.4	14.7	13.8	14.5	14.1	14.7	15.0
6H		13.4	14.0	13.7	14.3	14.6	13.7	14.4	14.0	14.6	14.9
8H		13.3	14.0	13.7	14.3	14.6	13.6	14.3	14.0	14.6	14.9
12H		13.3	13.9	13.6	14.2	14.5	13.6	14.2	13.9	14.5	14.8
4H 2H		13.4	14.2	13.8	14.4	14.7	13.8	14.5	14.1	14.7	15.0
3H		13.3	13.9	13.6	14.2	14.5	13.6	14.2	13.9	14.5	14.8
4H		13.2	13.7	13.5	14.1	14.4	13.5	14.0	13.9	14.4	14.7
6H		13.1	13.6	13.5	13.9	14.3	13.4	13.9	13.8	14.2	14.6
8H		13.0	13.5	13.4	13.9	14.3	13.3	13.8	13.7	14.2	14.6
12H		13.0	13.4	13.4	13.8	14.2	13.3	13.7	13.7	14.1	14.5
8H 4H		13.0	13.5	13.4	13.9	14.3	13.3	13.8	13.7	14.2	14.6
6H		12.9	13.3	13.4	13.7	14.2	13.2	13.6	13.7	14.0	14.5
8H		12.8	13.2	13.3	13.6	14.1	13.1	13.5	13.6	13.9	14.4
12H		12.8	13.1	13.3	13.5	14.1	13.1	13.4	13.6	13.9	14.4
12H 4H		12.9	13.4	13.4	13.8	14.2	13.3	13.7	13.7	14.1	14.5
6H		12.8	13.2	13.3	13.6	14.1	13.1	13.5	13.6	13.9	14.4
8H		12.8	13.1	13.3	13.5	14.1	13.1	13.4	13.6	13.9	14.4
Variations with the observer position at spacings:											
S = 1.0H		+ 4.7 / -17.7					+ 4.9 / -18.6				
1.5H		+ 7.4 / -17.7					+ 7.6 / -18.7				
2.0H		+ 8.9 / - 5.6					+ 8.8 / - 6.3				

CIE Pub.117, 1813 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.1$)

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

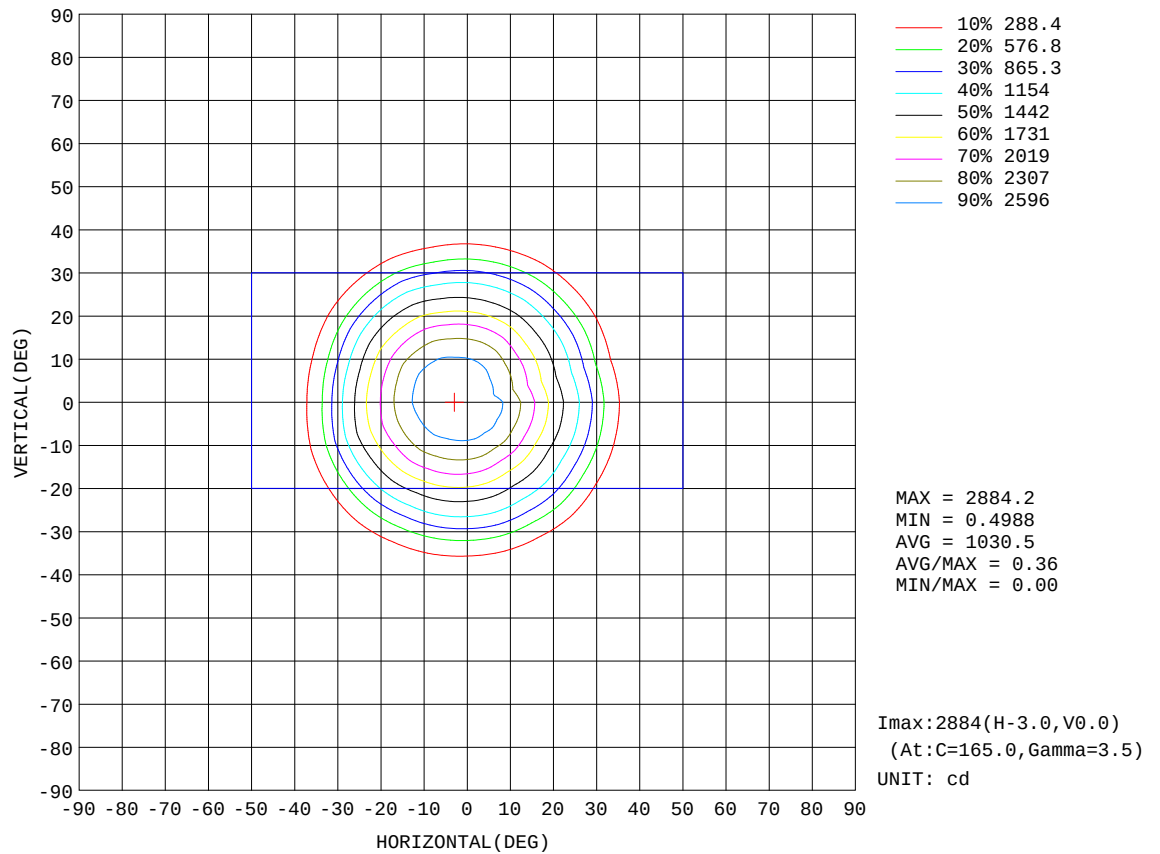
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	80	88	83	79	88	82	79	76
0.80	96	91	87	95	90	87	94	89	87	83
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:2021-08-13

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

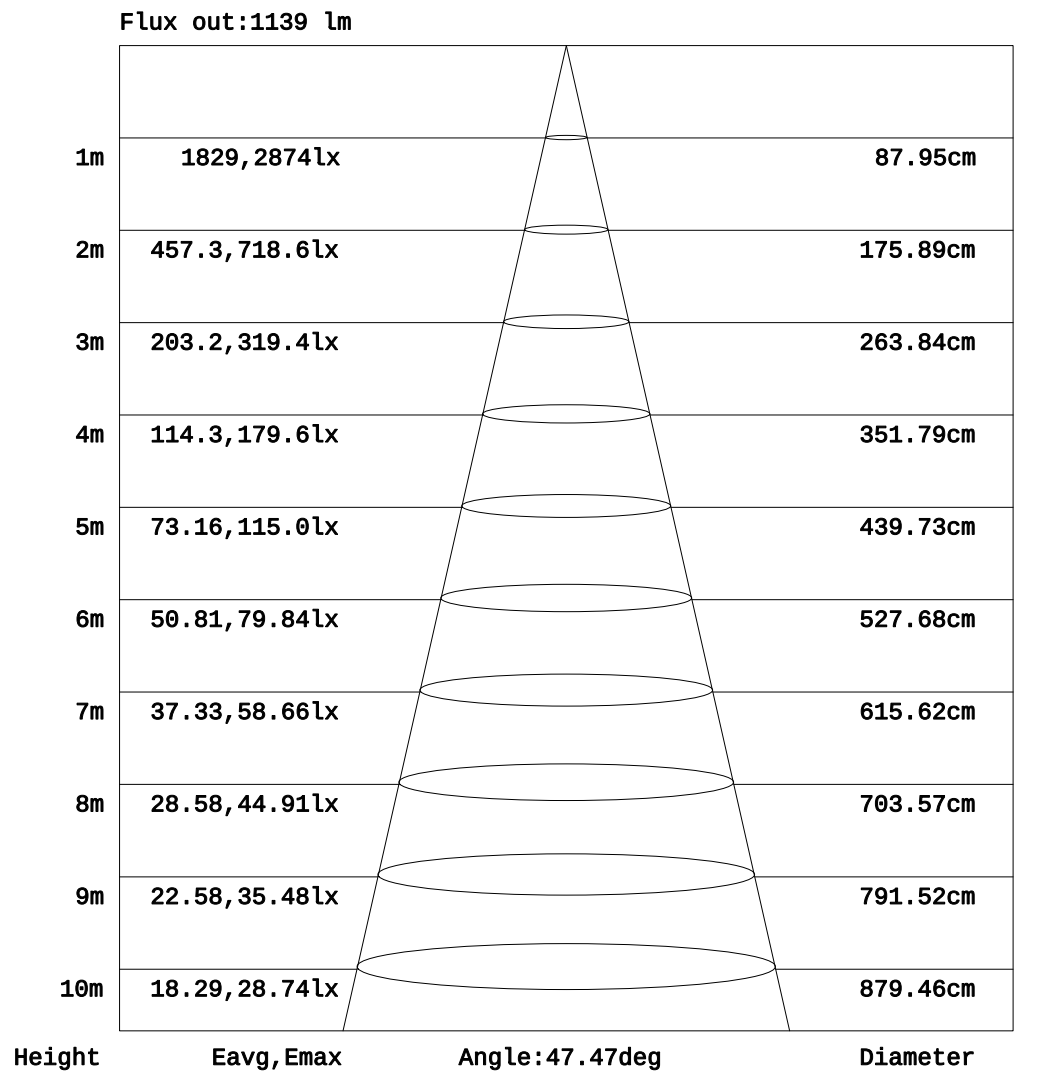


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-13

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



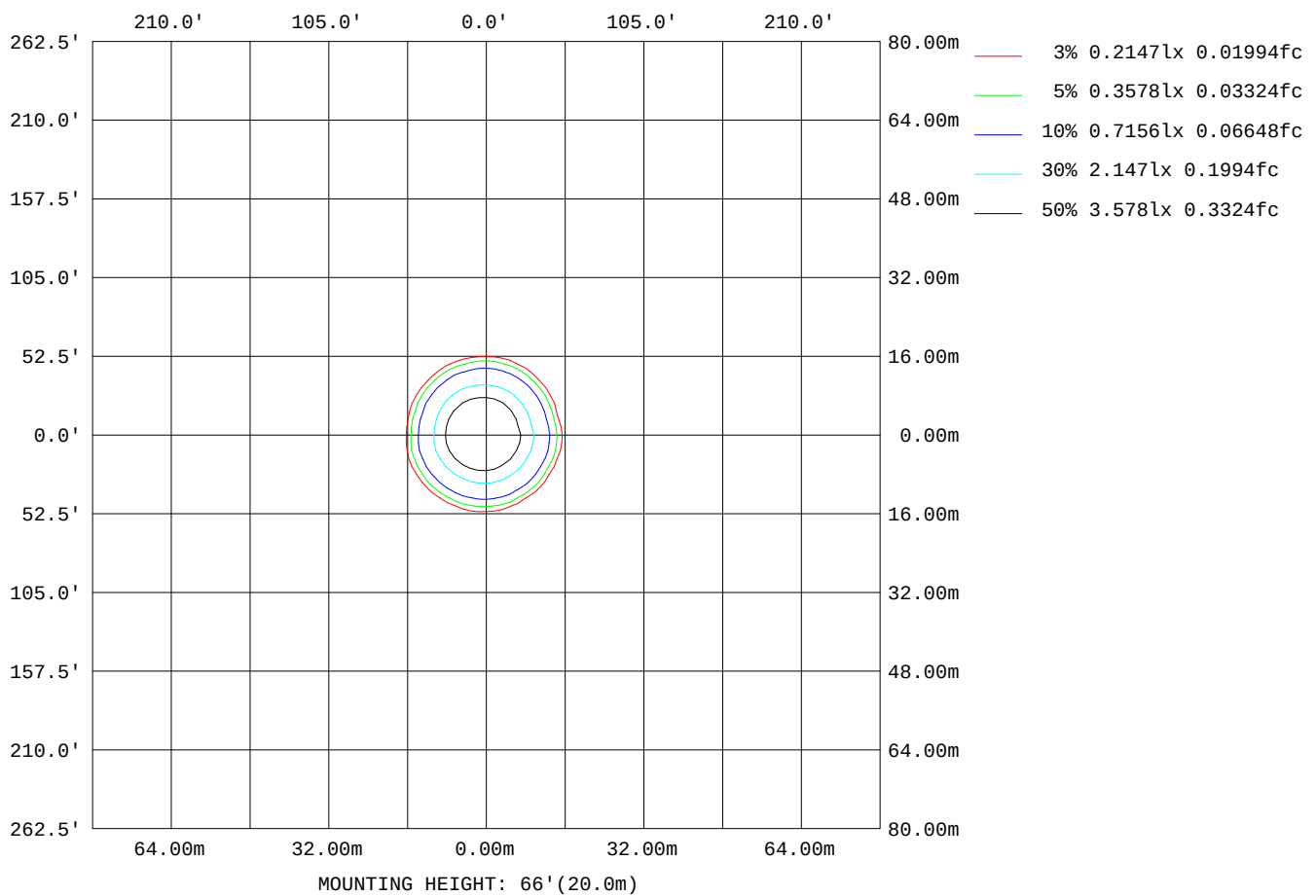
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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



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

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

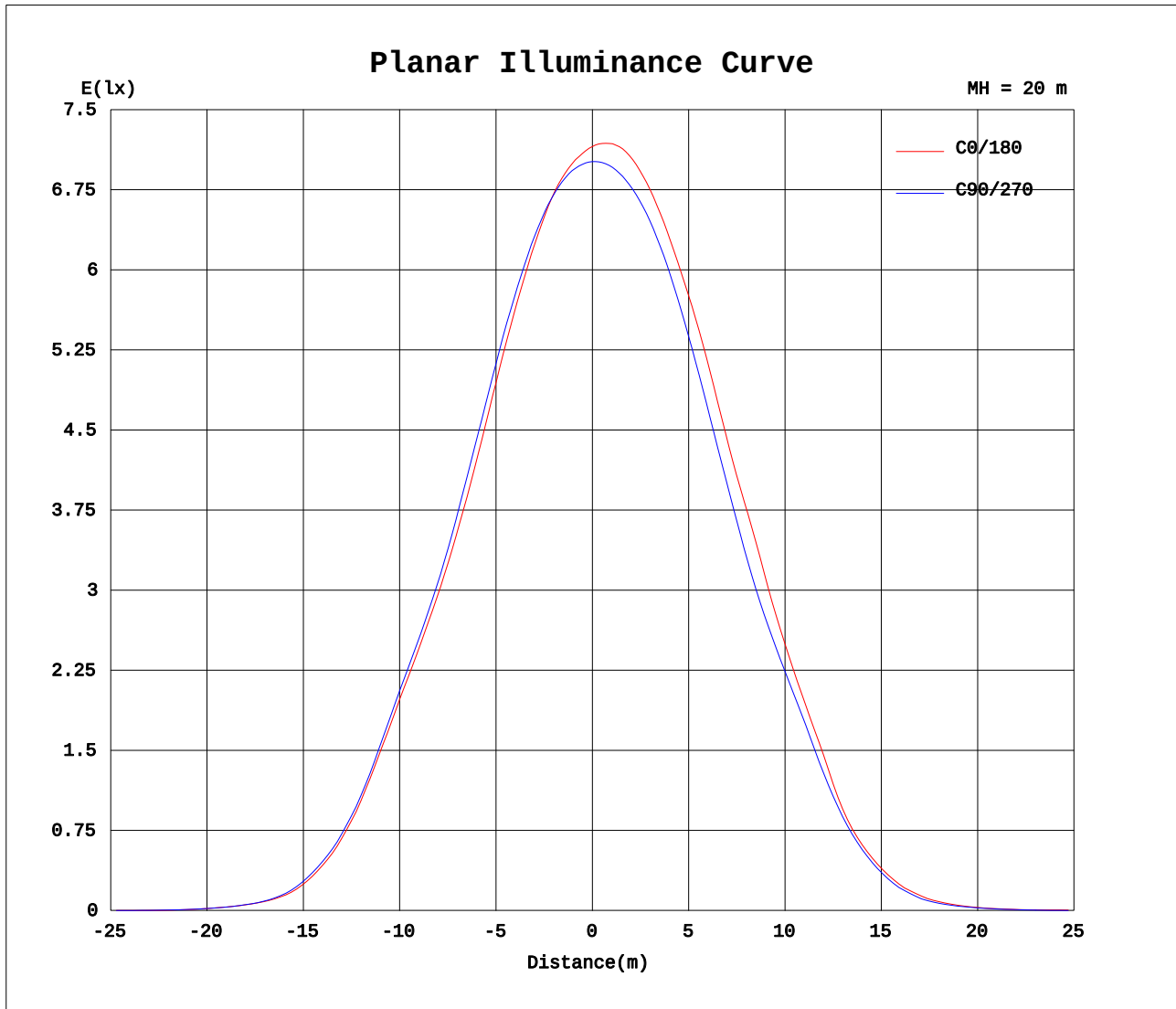
AvgL	cd/m2
L_0~180(65)av	1868
L_0~180(75)av	1075
L_0~180(85)av	1057
L_90~270(65)av	243
L_90~270(75)av	203
L_90~270(85)av	679
L_45(65)av	366
L_45(75)av	275
L_45(85)av	762

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-CRI90-55D	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	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814	2814
5	2707	2708	2705	2716	2721	2739	2750	2761	2773	2799	2813	2834	2826	2825	2828	2816	2810	2790	2774
10	2441	2450	2448	2478	2478	2517	2538	2567	2600	2656	2684	2715	2688	2694	2710	2692	2677	2634	2612
15	2044	2044	2035	2065	2068	2129	2169	2220	2278	2369	2412	2456	2419	2433	2453	2413	2391	2322	2288
20	1603	1598	1575	1599	1599	1660	1705	1758	1825	1930	1991	2070	1998	2001	2028	1998	1966	1880	1836
25	1213	1206	1179	1209	1205	1258	1286	1319	1359	1453	1515	1602	1528	1510	1562	1527	1503	1420	1382
30	746	739	707	741	728	775	792	827	861	961	1028	1091	1020	1009	1049	1046	1046	957	930
35	303	296	277	295	289	319	335	360	377	428	460	492	441	440	472	470	465	420	418
40	83.3	77.9	69.8	73.9	71.9	82.5	90.2	99.4	107	137	141	162	141	135	150	132	141	115	121
45	21.7	19.9	16.5	17.3	16.7	20.4	21.8	22.5	23.9	29.4	32.7	36.8	32.9	32.8	33.6	30.4	30.8	28.5	29.4
50	1.23	1.28	1.15	1.25	1.23	1.65	1.97	2.24	2.61	3.48	4.14	8.18	8.74	8.53	5.44	4.57	4.77	3.59	3.24
55	0.58	0.58	0.58	0.54	0.55	0.62	0.77	0.88	0.90	0.89	4.80	12.9	13.5	13.2	9.19	0.91	0.80	0.83	0.87
60	0.53	0.53	0.51	0.48	0.49	0.55	0.73	0.84	0.86	1.23	8.68	11.1	10.4	10.2	8.86	1.52	0.74	0.78	0.83
65	0.45	0.46	0.44	0.43	0.42	0.45	0.53	0.58	0.63	1.20	5.30	8.42	8.09	7.71	5.20	1.40	0.59	0.56	0.58
70	0.43	0.44	0.44	0.42	0.39	0.37	0.37	0.34	0.41	0.54	2.71	6.88	6.38	6.34	2.98	0.50	0.35	0.27	0.29
75	0.31	0.32	0.32	0.30	0.30	0.30	0.31	0.34	0.42	0.52	0.58	2.50	2.70	0.92	0.44	0.47	0.37	0.28	0.26
80	0.32	0.34	0.32	0.32	0.30	0.31	0.31	0.34	0.41	0.46	0.58	0.59	0.69	0.46	0.42	0.42	0.36	0.30	0.28
85	0.34	0.38	0.34	0.34	0.32	0.34	0.34	0.35	0.38	0.44	0.45	0.48	0.66	0.44	0.33	0.37	0.31	0.31	0.30
90	0.36	0.39	0.37	0.35	0.34	0.34	0.34	0.36	0.41	0.44	0.47	0.50	0.73	0.49	0.41	0.37	0.33	0.32	0.31
95	0.39	0.44	0.39	0.37	0.36	0.36	0.35	0.39	0.44	0.51	1.15	0.90	1.54	2.11	1.76	0.46	0.38	0.34	0.33
100	0.44	0.49	0.45	0.43	0.41	0.40	0.41	0.46	0.50	0.66	0.72	0.68	0.72	0.74	0.63	0.62	0.45	0.40	0.38
105	0.61	0.65	0.63	0.61	0.60	0.57	0.58	0.65	0.70	0.75	0.89	0.98	0.97	0.93	0.82	0.71	0.61	0.56	0.53
110	1.11	1.14	1.14	1.11	1.13	1.06	1.06	1.16	1.18	1.14	1.28	1.34	1.40	1.34	1.18	1.07	0.93	0.98	0.95
115	2.09	2.12	2.18	2.11	2.15	2.04	1.98	2.10	1.90	1.94	1.99	2.03	2.18	2.13	1.90	1.79	1.62	1.85	1.81
120	3.62	3.69	3.74	3.65	3.69	3.48	3.35	3.43	3.19	3.00	3.16	3.18	3.39	3.30	3.04	2.83	2.81	3.12	3.13
125	5.66	5.72	5.86	5.78	5.78	5.47	5.29	5.35	5.20	4.73	4.69	4.76	4.98	4.84	4.53	4.43	4.53	4.85	4.89
130	8.24	8.31	8.51	8.33	8.31	8.02	7.78	7.83	7.69	7.19	6.84	6.60	6.87	6.76	6.57	6.68	6.87	7.12	7.13
135	11.2	11.3	11.4	11.3	11.3	10.9	10.7	10.7	10.6	10.2	11.5	9.25	9.44	9.37	9.56	9.65	9.65	9.93	9.93
140	14.2	14.4	14.4	14.3	14.3	14.1	13.7	13.8	13.5	13.1	14.0	14.2	13.0	13.2	14.1	12.6	12.6	13.0	13.0
145	17.0	17.1	17.2	17.1	17.1	17.0	16.7	16.6	16.2	15.8	16.2	17.3	17.4	17.2	16.0	15.3	15.4	15.9	16.0
150	19.3	19.4	19.6	19.5	19.5	19.3	19.2	19.1	18.8	18.4	18.3	18.1	18.6	18.1	17.9	18.0	18.1	18.4	18.7
155	21.0	21.0	21.1	21.1	21.3	21.3	21.2	21.2	21.1	20.6	20.5	20.3	20.2	20.2	20.1	20.2	20.5	20.7	20.9
160	21.6	21.6	21.7	22.1	22.4	22.6	22.7	22.6	22.7	22.4	22.1	22.6	23.1	22.3	21.8	22.5	22.5	22.4	22.7
165	22.0	22.0	22.1	22.4	22.9	23.2	23.3	23.4	23.4	23.2	23.1	23.8	23.7	23.2	23.0	23.1	23.0	23.1	23.4
170	22.6	22.5	22.7	22.8	23.1	23.4	23.6	23.7	23.6	23.7	23.8	23.8	23.3	23.5	23.5	23.4	23.5	23.6	23.7
175	23.3	23.3	23.4	23.7	23.9	23.9	23.9	24.0	24.2	24.5	24.5	24.3	23.8	24.0	24.2	24.2	24.2	24.1	24.1
180	24.1	24.2	24.3	24.5	24.4	24.4	24.5	24.5	24.6	24.8	24.6	24.6	24.2	24.2	24.4	24.4	24.4	24.4	24.5

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

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	2814	2814	2814	2814	2814													
5	2760	2744	2722	2709	2692													
10	2592	2554	2496	2450	2408													
15	2261	2215	2123	2066	2004													
20	1794	1751	1667	1625	1571													
25	1348	1321	1266	1229	1175													
30	889	851	784	746	677													
35	395	371	329	304	259													
40	108	102	89.9	84.2	71.4													
45	27.2	26.1	22.7	21.4	17.5													
50	2.79	2.34	1.53	1.24	0.94													
55	0.78	0.64	0.53	0.49	0.54													
60	0.74	0.56	0.45	0.42	0.45													
65	0.50	0.35	0.32	0.33	0.37													
70	0.31	0.28	0.30	0.32	0.37													
75	0.26	0.25	0.26	0.26	0.28													
80	0.26	0.26	0.25	0.28	0.28													
85	0.27	0.28	0.28	0.30	0.31													
90	0.28	0.30	0.30	0.32	0.32													
95	0.30	0.32	0.32	0.35	0.35													
100	0.35	0.37	0.38	0.41	0.42													
105	0.51	0.53	0.57	0.61	0.65													
110	0.93	0.96	1.07	1.11	1.22													
115	1.79	1.83	2.03	2.10	2.27													
120	3.12	3.24	3.51	3.62	3.86													
125	4.93	5.14	5.56	5.72	5.99													
130	7.30	7.56	8.04	8.36	8.66													
135	10.1	10.4	11.0	11.3	11.7													
140	13.2	13.5	14.0	14.3	14.7													
145	16.2	16.4	16.9	17.1	17.4													
150	18.8	19.0	19.4	19.5	19.8													
155	21.1	21.1	21.1	21.2	21.3													
160	22.7	22.5	22.2	22.1	22.1													
165	23.3	23.0	22.7	22.6	22.6													
170	23.6	23.5	23.3	23.2	23.1													
175	24.1	24.3	24.3	23.9	23.8													
180	24.5	24.6	24.8	24.7	24.6													

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: