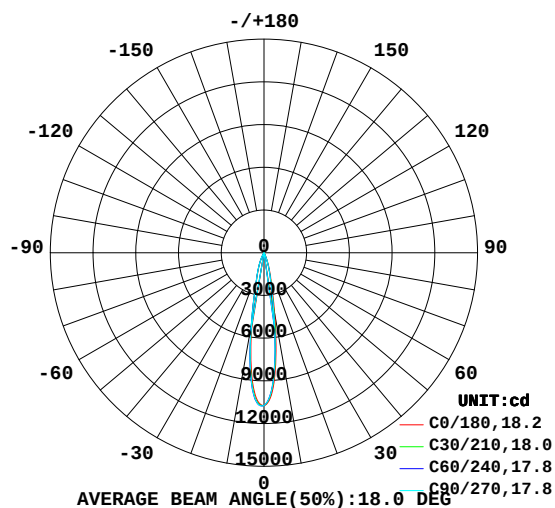


LUMINAIRE PHOTOMETRIC TEST REPORT

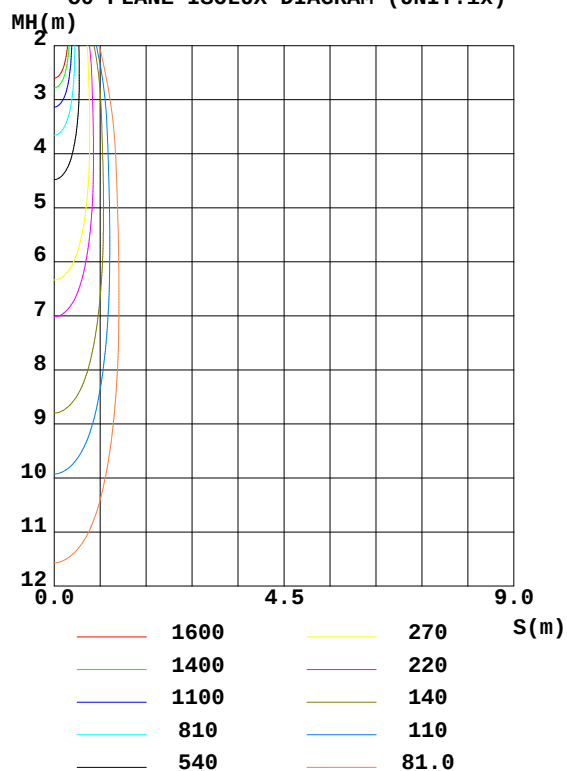
NAME: VM070-VF71RA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 80.22 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	10764	S/MH(C0/180)	0.32
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1569.5	η UP, DN(C0-180)	1.3, 45.0
NOMINAL FLUX(lm)	1569.45	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 52.4
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: 2021-08-12

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:

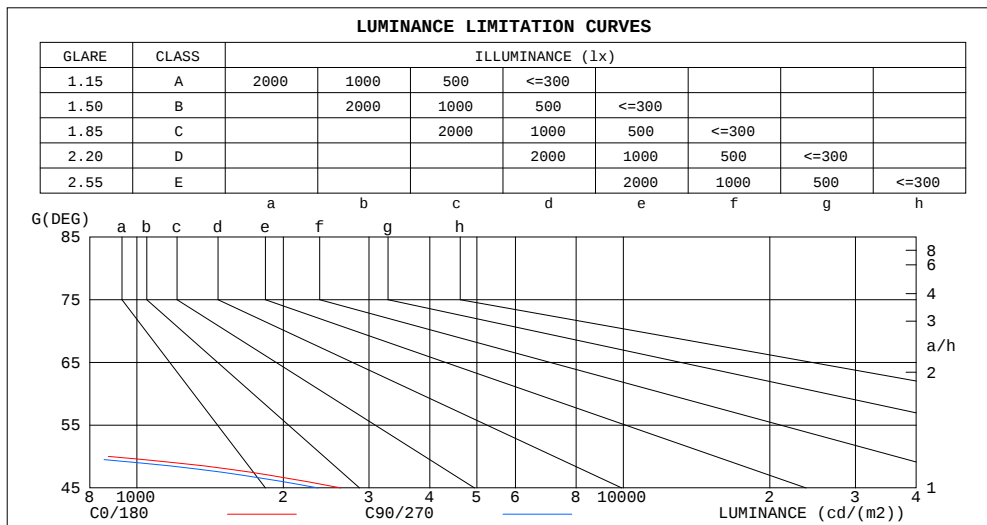
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	431.5	391.6	376.3	454.2	486.1	509.5	512.2	451.2	0- 10	700.7	700.7	44.6, 44.6
20	87.72	74.98	75.19	93.53	109.2	115.6	115.4	99.02	10- 20	576.2	1277	81.4, 81.4
30	13.97	12.60	12.13	14.10	15.35	17.68	17.59	14.81	20- 30	195.1	1472	93.8, 93.8
40	2.000	1.768	1.889	2.104	2.334	2.259	2.334	2.046	30- 40	40.10	1512	96.3, 96.3
50	0.3003	0.2692	0.2509	0.3992	1.651	0.4650	0.4574	0.4068	40- 50	8.926	1521	96.9, 96.9
60	0.0890	0.0898	0.0901	0.1779	1.485	0.2751	0.1221	0.1249	50- 60	3.726	1525	97.2, 97.2
70	0.0490	0.0823	0.0660	0.0783	0.7134	0.0316	0.0247	0.0266	60- 70	2.279	1527	97.3, 97.3
80	0.0347	0.0463	0.0305	0.0550	0.0822	0.0316	0.0265	0.0258	70- 80	0.7439	1528	97.3, 97.3
90	0.0380	0.0387	0.0310	0.0533	0.1026	0.0611	0.0319	0.0323	80- 90	0.4166	1528	97.4, 97.4
100	0.0668	0.0718	0.0394	0.0819	0.2296	0.0731	0.0434	0.0447	90-100	0.8995	1529	97.4, 97.4
110	0.0740	0.0652	0.0586	0.0986	0.1819	0.0925	0.0567	0.0554	100-110	0.8700	1530	97.5, 97.5
120	0.1320	0.1290	0.1260	0.1185	0.1775	0.0979	0.1152	0.1112	110-120	0.9946	1531	97.5, 97.5
130	0.4023	0.4607	0.4313	0.4074	0.3818	0.3360	0.3230	0.3880	120-130	2.035	1533	97.7, 97.7
140	1.318	1.346	1.355	1.283	1.318	1.277	1.160	1.278	130-140	6.288	1539	98.1, 98.1
150	2.169	2.196	2.214	2.157	2.171	2.084	2.094	2.158	140-150	11.29	1551	98.8, 98.8
160	2.393	2.371	2.434	2.443	2.543	2.552	2.662	2.442	150-160	10.83	1561	99.5, 99.5
170	1.786	1.704	1.826	1.892	1.989	1.984	2.019	1.861	160-170	6.502	1568	99.9, 99.9
180	1.392	1.410	1.401	1.448	1.395	1.408	1.402	1.447	170-180	1.572	1569	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:2021-08-12

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-VF71RA01-20W	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	766	656
80	374	325
75	265	228
70	268	356
65	281	351
60	333	333
55	312	294
50	874	720
45	2625	2356

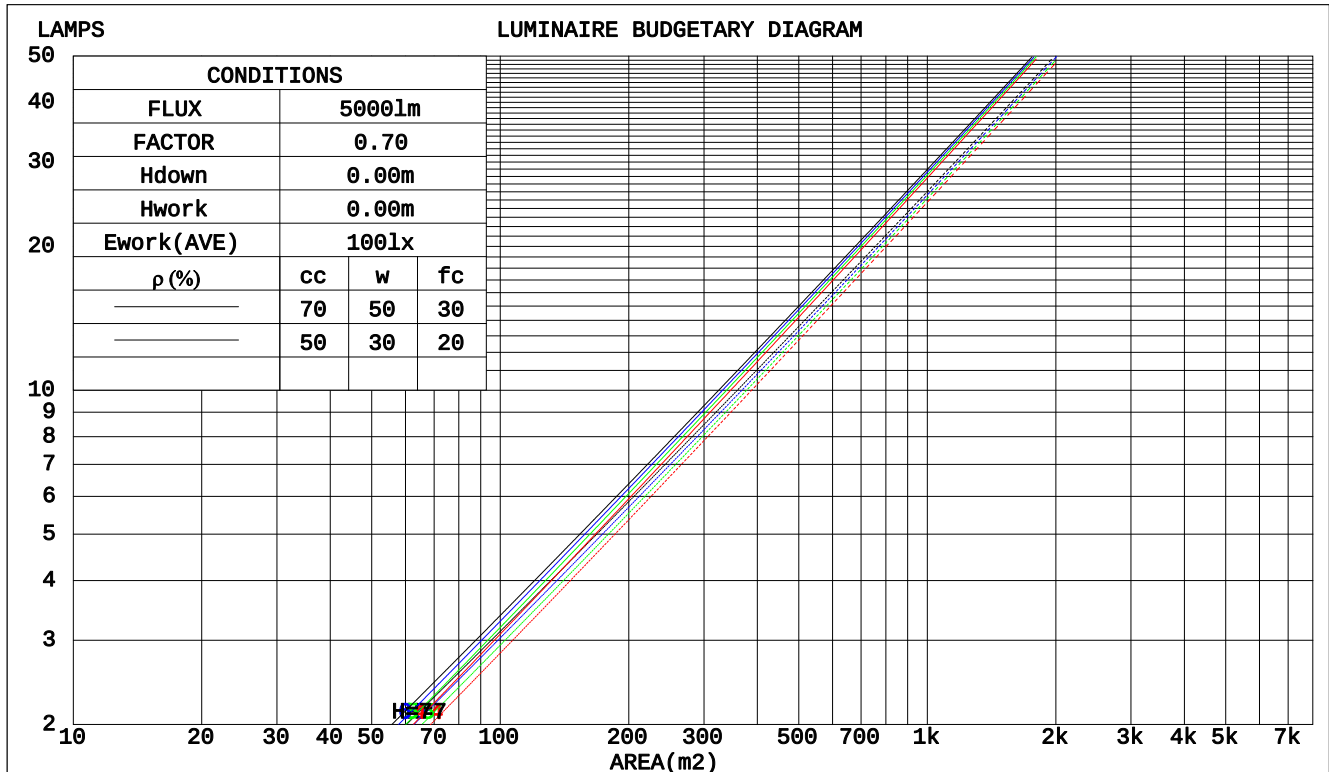
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-VF71RA01-20W	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	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	1.12	1.11	1.09	1.10	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.98	.97	.96	.95
2.0	1.07	1.05	1.02	1.06	1.03	1.01	1.02	1.00	.98	.99	.97	.96	.96	.95	.94	.92
3.0	1.03	.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.93	.94	.92	.91	.89
4.0	.99	.96	.93	.98	.95	.92	.96	.93	.91	.94	.92	.90	.92	.90	.88	.87
5.0	.96	.92	.89	.95	.92	.89	.93	.90	.88	.92	.89	.87	.90	.88	.86	.85
6.0	.93	.89	.87	.92	.89	.86	.91	.88	.85	.89	.87	.85	.88	.86	.84	.83
7.0	.91	.87	.84	.90	.86	.84	.89	.85	.83	.87	.85	.83	.86	.84	.82	.81
8.0	.88	.84	.82	.88	.84	.81	.86	.83	.81	.85	.83	.81	.84	.82	.80	.79
9.0	.86	.82	.80	.85	.82	.79	.85	.81	.79	.84	.81	.79	.83	.80	.78	.77
10.0	.84	.80	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.81	.79	.77	.76



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:

WEC AND CCEC

NAME: VM070-VF71RA01-20W	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	.133	.075	.024	.125	.071	.023	.111	.064	.020	.099	.057	.018	.087	.050	.016	
2.0	.122	.067	.021	.116	.064	.020	.104	.058	.018	.094	.053	.016	.084	.047	.015	
3.0	.113	.060	.018	.108	.058	.017	.098	.053	.016	.089	.049	.015	.081	.045	.014	
4.0	.105	.055	.016	.101	.053	.016	.093	.049	.015	.085	.046	.014	.078	.042	.013	
5.0	.099	.050	.015	.095	.049	.014	.088	.046	.013	.081	.043	.013	.075	.040	.012	
6.0	.093	.047	.013	.090	.045	.013	.084	.043	.012	.078	.040	.012	.072	.038	.011	
7.0	.088	.044	.012	.085	.042	.012	.080	.040	.012	.075	.038	.011	.070	.036	.011	
8.0	.084	.041	.011	.081	.040	.011	.076	.038	.011	.072	.036	.010	.067	.035	.010	
9.0	.080	.039	.011	.077	.038	.011	.073	.036	.010	.069	.035	.010	.065	.033	.010	
10.0	.076	.036	.010	.074	.036	.010	.070	.034	.010	.067	.033	.009	.063	.032	.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	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.188	.178	.169	.161	.153	.145	.110	.105	.100	.063	.061	.058	.020	.020	.019	
2.0	.170	.153	.139	.146	.132	.120	.100	.091	.084	.058	.053	.049	.018	.017	.016	
3.0	.155	.134	.117	.133	.115	.101	.091	.080	.071	.053	.047	.042	.017	.015	.014	
4.0	.142	.118	.100	.122	.102	.087	.084	.071	.061	.048	.042	.036	.016	.014	.012	
5.0	.131	.106	.087	.113	.092	.076	.078	.064	.054	.045	.038	.032	.014	.012	.010	
6.0	.122	.096	.077	.105	.083	.067	.072	.058	.048	.042	.034	.028	.014	.011	.009	
7.0	.114	.088	.069	.098	.076	.060	.068	.053	.043	.039	.031	.025	.013	.010	.008	
8.0	.108	.081	.062	.093	.070	.054	.064	.049	.039	.037	.029	.023	.012	.010	.008	
9.0	.102	.075	.057	.088	.065	.050	.061	.046	.035	.035	.027	.021	.011	.009	.007	
10.0	.097	.070	.053	.083	.061	.046	.058	.043	.033	.034	.025	.020	.011	.008	.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-VF71RA01-20W						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		3.2	3.8	3.5	4.0	4.2	2.4	3.0	2.7	3.2	3.4
3H		3.1	3.7	3.4	3.9	4.1	2.3	2.9	2.6	3.1	3.4
4H		3.1	3.6	3.3	3.8	4.1	2.3	2.8	2.6	3.1	3.3
6H		3.0	3.5	3.3	3.8	4.1	2.2	2.7	2.5	3.0	3.3
8H		3.0	3.5	3.3	3.8	4.0	2.2	2.7	2.5	3.0	3.3
12H		3.0	3.4	3.3	3.7	4.1	2.2	2.6	2.5	2.9	3.3
4H 2H		3.0	3.5	3.3	3.8	4.0	2.2	2.8	2.5	3.0	3.3
3H		2.9	3.4	3.2	3.7	4.0	2.1	2.6	2.5	2.9	3.2
4H		2.8	3.3	3.2	3.6	3.9	2.1	2.5	2.4	2.8	3.2
6H		2.8	3.2	3.2	3.5	3.9	2.0	2.4	2.4	2.7	3.1
8H		2.8	3.2	3.2	3.5	4.0	2.0	2.3	2.4	2.7	3.1
12H		2.8	3.2	3.3	3.6	4.0	2.0	2.3	2.4	2.7	3.2
8H 4H		2.7	3.1	3.1	3.4	3.9	1.9	2.3	2.4	2.7	3.1
6H		2.7	3.0	3.2	3.4	3.9	1.9	2.2	2.4	2.6	3.1
8H		2.7	3.0	3.2	3.5	4.0	1.9	2.2	2.4	2.6	3.1
12H		2.9	3.1	3.4	3.6	4.1	1.9	2.2	2.5	2.7	3.2
12H 4H		2.6	3.0	3.1	3.4	3.8	1.9	2.2	2.3	2.6	3.1
6H		2.7	2.9	3.1	3.4	3.9	1.9	2.1	2.3	2.6	3.1
8H		2.7	2.9	3.2	3.4	3.9	1.9	2.1	2.4	2.6	3.1
Variations with the observer position at spacings:											
S = 1.0H		+ 3.2 / - 4.7					+ 2.7 / - 5.3				
1.5H		+ 5.2 / - 5.1					+ 4.8 / - 5.6				
2.0H		+ 5.1 / - 1.9					+ 5.3 / - 2.1				

CIE Pub.117, 1569 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.6$)

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-VF71RA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

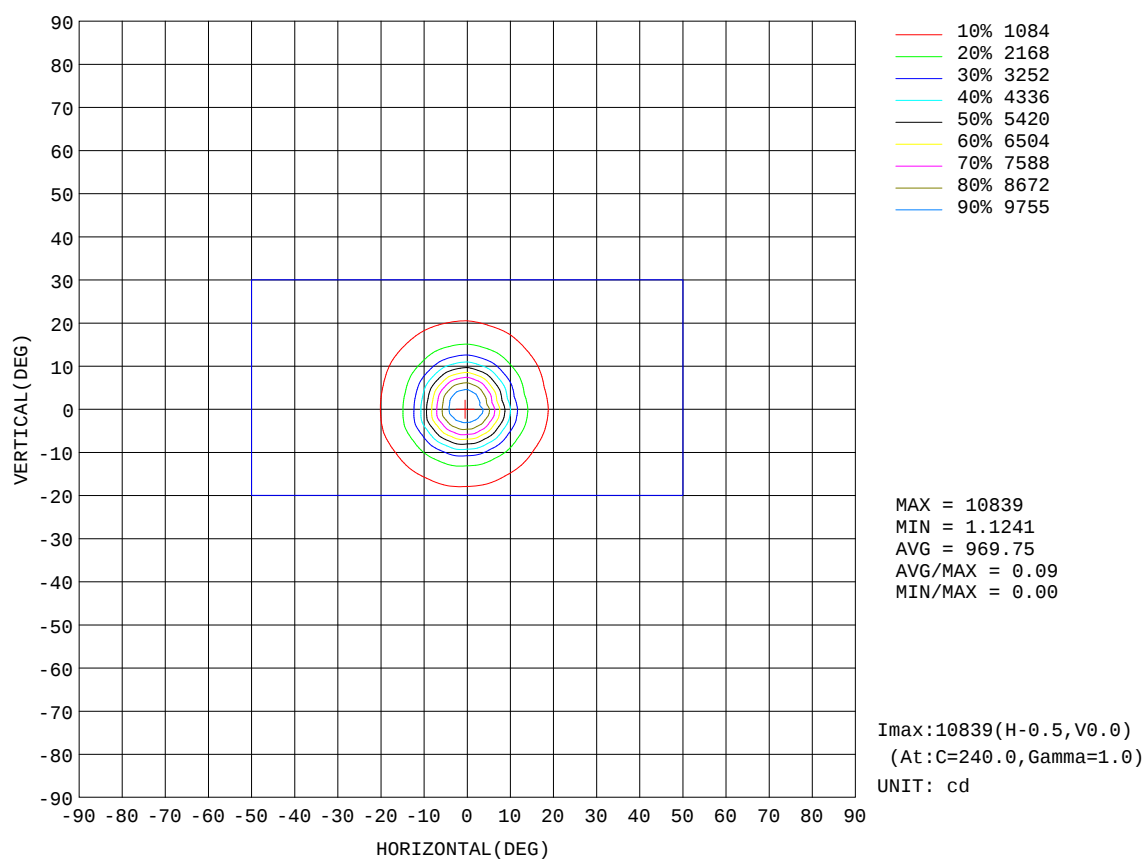
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	84	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	87	94	90	87	83
1.00	100	95	92	99	94	91	97	94	91	87
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	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	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-VF71RA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

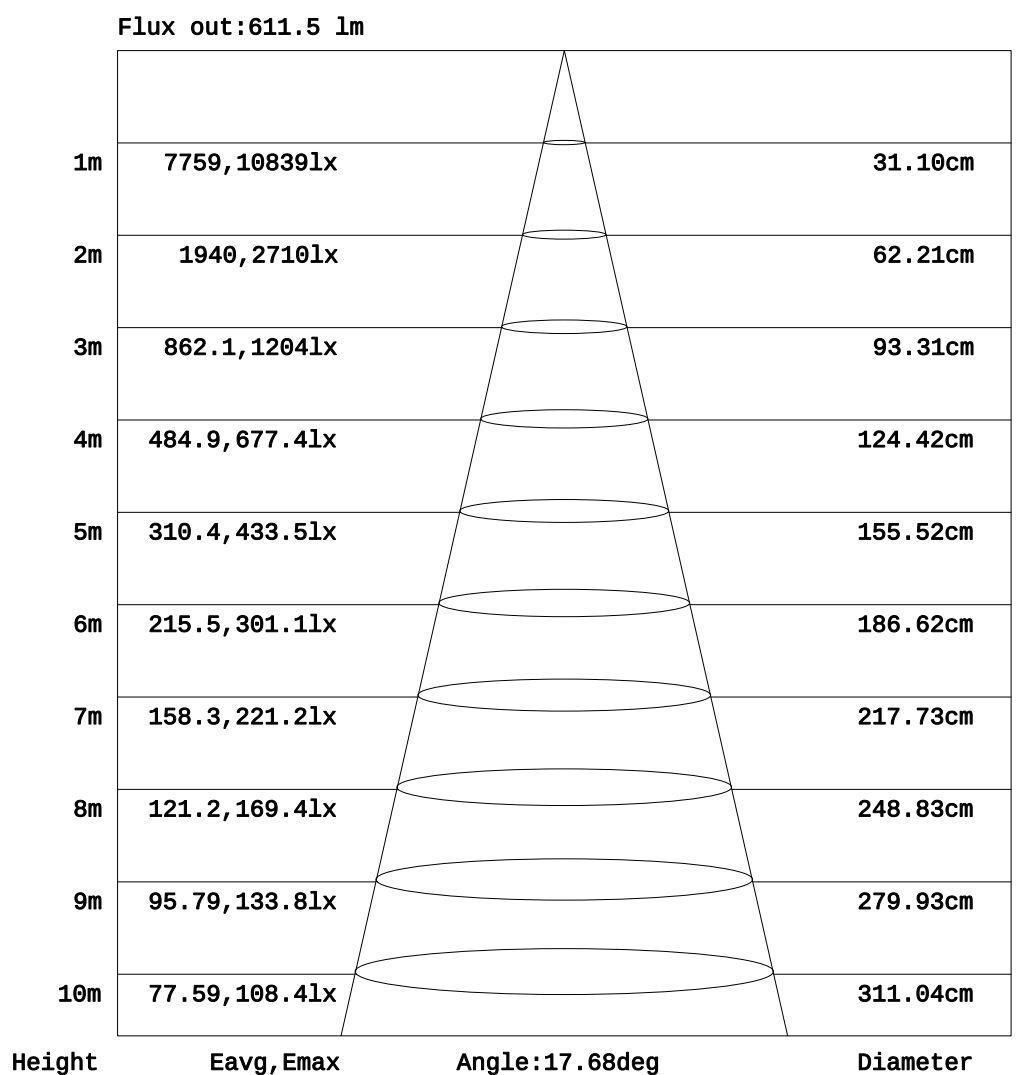


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

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-VF71RA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



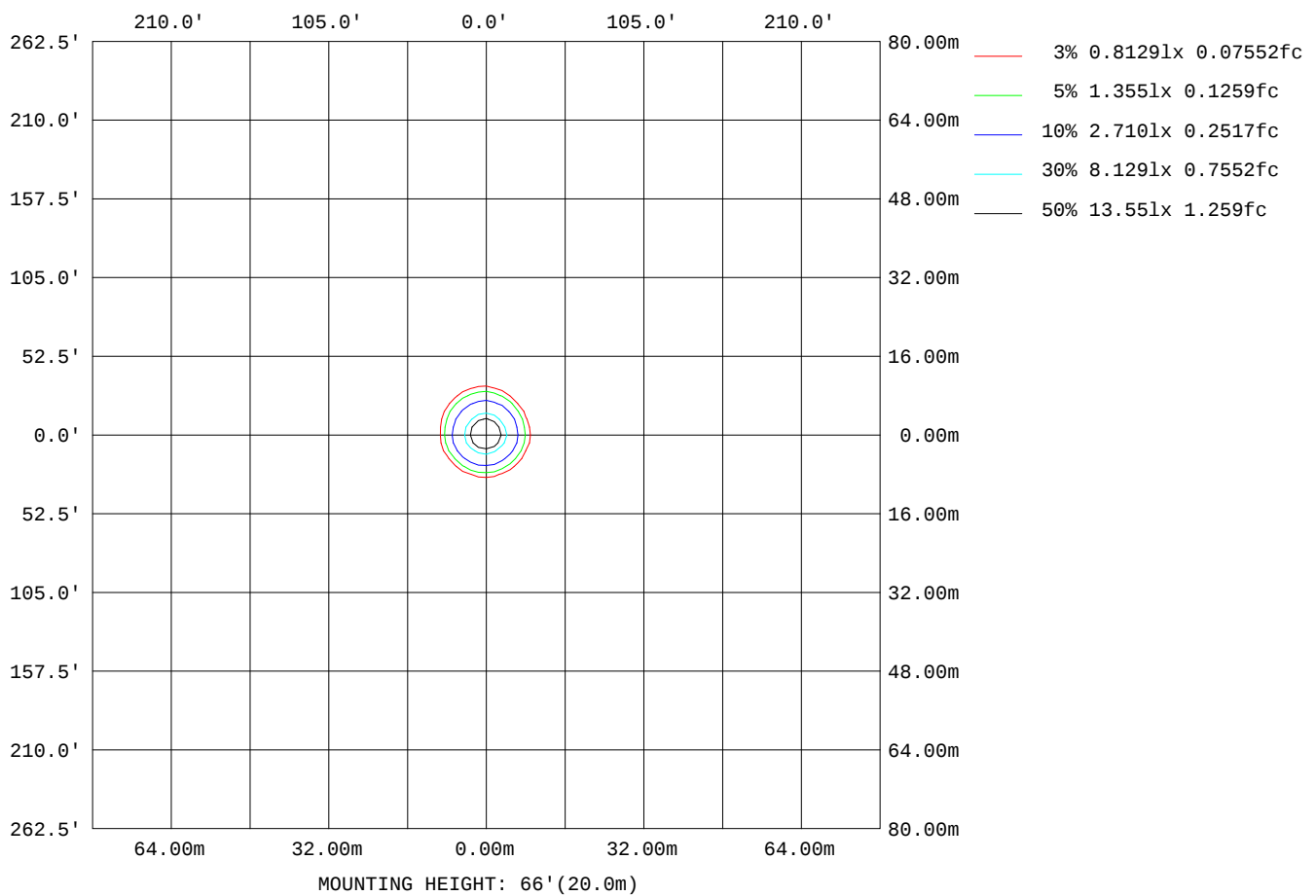
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-VF71RA01-20W	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: 2021-08-12

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-VF71RA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

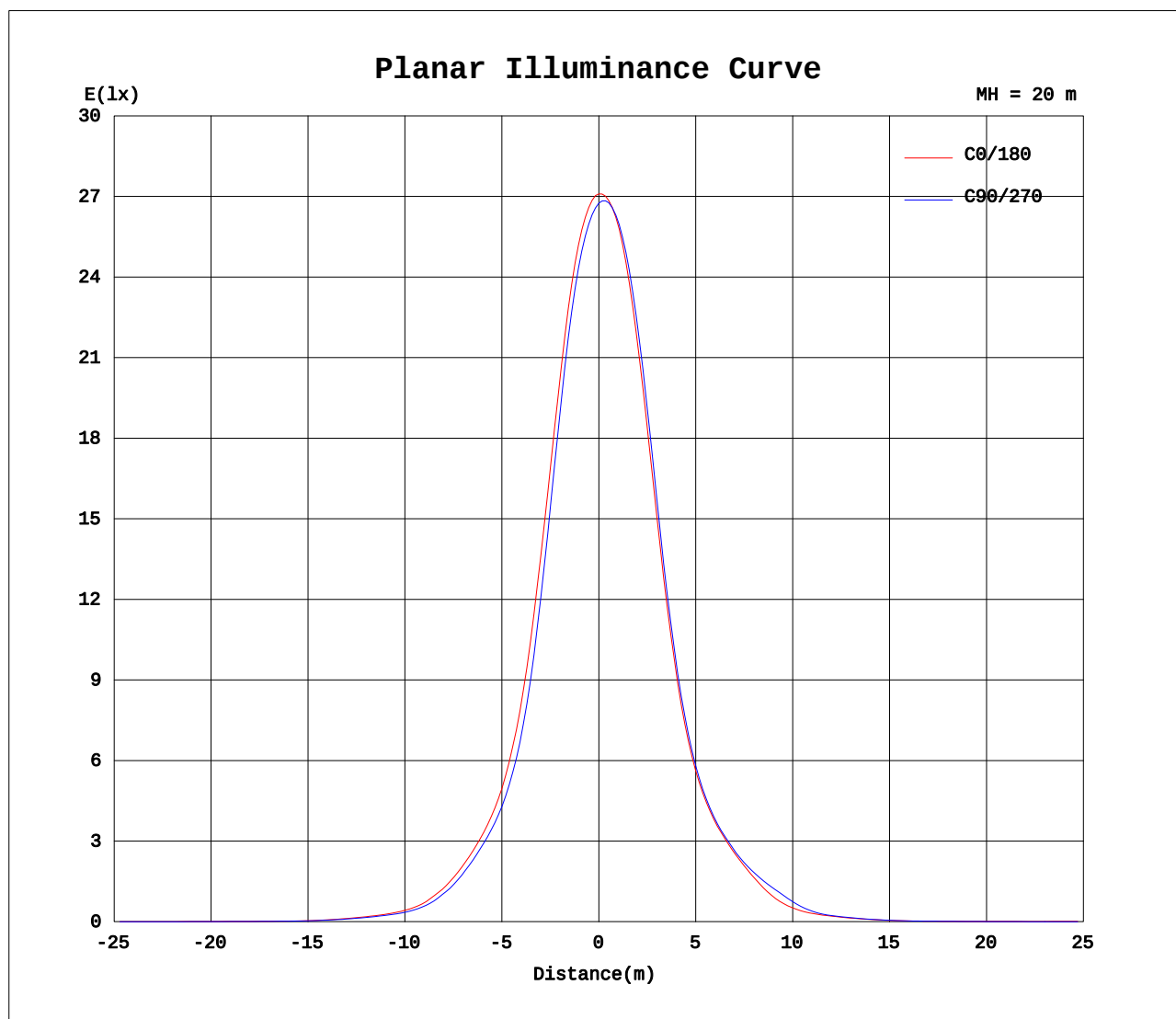
AvgL	cd/m2
L_0~180(65)av	2070
L_0~180(75)av	1377
L_0~180(85)av	1100
L_90~270(65)av	377
L_90~270(75)av	203
L_90~270(85)av	629
L_45(65)av	504
L_45(75)av	316
L_45(85)av	857

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-VF71RA01-20W	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	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072	1072
5	873	871	845	845	828	839	837	862	868	898	908	942	917	919	941	942	956	948	950
10	432	427	396	392	371	379	376	404	413	454	469	515	486	487	513	510	524	510	512
15	186	182	169	167	161	165	164	174	178	193	201	221	211	211	220	219	225	220	220
20	87.7	83.9	76.2	75.0	71.8	75.0	75.2	81.0	84.1	93.5	98.8	112	109	110	116	116	118	116	115
25	31.7	31.0	28.8	28.1	26.1	27.0	26.4	28.2	29.8	33.1	34.5	41.1	40.7	45.5	54.0	57.4	60.2	59.0	58.4
30	14.0	13.8	12.8	12.6	12.0	12.3	12.1	12.8	13.0	14.1	14.4	15.8	15.3	15.7	17.1	17.7	18.1	18.0	17.6
35	5.44	5.14	4.70	4.52	4.35	4.57	4.60	4.93	5.19	5.73	6.17	6.91	6.40	6.35	6.86	6.84	7.16	7.01	6.99
40	2.00	1.87	1.78	1.77	1.79	1.91	1.89	1.93	1.96	2.10	2.25	2.48	2.33	2.23	2.26	2.26	2.37	2.40	2.33
45	0.99	0.97	0.91	0.91	0.88	0.92	0.90	0.97	1.01	1.11	1.17	1.34	1.51	1.42	1.22	1.20	1.24	1.29	1.23
50	0.30	0.30	0.28	0.27	0.24	0.25	0.25	0.30	0.33	0.40	0.47	1.06	1.65	1.65	0.88	0.47	0.47	0.45	0.46
55	0.10	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.10	0.12	0.34	1.33	2.29	2.37	1.81	0.19	0.12	0.12	0.12
60	0.09	0.09	0.10	0.09	0.08	0.09	0.09	0.09	0.09	0.18	0.38	0.97	1.49	1.56	1.36	0.28	0.13	0.13	0.12
65	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.12	0.39	0.66	0.88	0.97	0.63	0.18	0.11	0.10	0.09
70	0.05	0.06	0.08	0.08	0.08	0.07	0.07	0.06	0.07	0.08	0.21	0.55	0.71	0.75	0.32	0.03	0.03	0.03	0.02
75	0.04	0.05	0.05	0.06	0.04	0.03	0.03	0.03	0.05	0.06	0.07	0.25	0.35	0.09	0.03	0.03	0.03	0.03	0.03
80	0.03	0.05	0.05	0.05	0.04	0.03	0.03	0.03	0.05	0.05	0.06	0.07	0.08	0.04	0.04	0.03	0.03	0.03	0.03
85	0.04	0.05	0.04	0.05	0.03	0.03	0.03	0.03	0.04	0.05	0.04	0.06	0.07	0.03	0.04	0.04	0.03	0.03	0.03
90	0.04	0.05	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.10	0.06	0.11	0.06	0.04	0.03	0.03
95	0.05	0.08	0.07	0.06	0.04	0.04	0.03	0.04	0.05	0.07	0.09	0.11	0.59	0.54	0.17	0.07	0.04	0.04	0.04
100	0.07	0.08	0.07	0.07	0.06	0.04	0.04	0.05	0.06	0.08	0.10	0.10	0.23	0.15	0.09	0.07	0.05	0.05	0.04
105	0.07	0.08	0.07	0.07	0.05	0.05	0.05	0.05	0.06	0.09	0.11	0.14	0.24	0.23	0.12	0.09	0.06	0.05	0.05
110	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.06	0.07	0.10	0.12	0.15	0.18	0.25	0.15	0.09	0.07	0.07	0.06
115	0.09	0.10	0.10	0.08	0.07	0.08	0.09	0.08	0.07	0.11	0.13	0.15	0.16	0.15	0.12	0.09	0.08	0.08	0.07
120	0.13	0.15	0.15	0.13	0.13	0.13	0.13	0.13	0.11	0.12	0.16	0.18	0.18	0.16	0.13	0.10	0.11	0.12	0.12
125	0.22	0.22	0.23	0.23	0.25	0.24	0.23	0.23	0.22	0.20	0.21	0.22	0.24	0.22	0.19	0.16	0.19	0.19	0.18
130	0.40	0.41	0.44	0.46	0.47	0.46	0.43	0.43	0.44	0.41	0.37	0.35	0.38	0.37	0.35	0.34	0.33	0.36	0.32
135	0.78	0.79	0.84	0.85	0.86	0.84	0.82	0.81	0.81	0.80	0.75	0.69	0.73	0.73	0.69	1.22	0.71	0.67	0.65
140	1.32	1.34	1.38	1.35	1.37	1.37	1.36	1.34	1.30	1.28	1.31	1.25	1.32	1.66	2.08	1.28	1.34	1.21	1.16
145	1.83	1.84	1.86	1.85	1.87	1.87	1.87	1.84	1.82	1.77	1.83	1.83	1.93	2.14	2.34	1.69	1.68	1.72	1.70
150	2.17	2.18	2.19	2.20	2.22	2.21	2.21	2.20	2.19	2.16	2.15	2.14	2.17	2.14	2.10	2.08	2.08	2.09	2.09
155	2.36	2.38	2.38	2.37	2.41	2.41	2.39	2.40	2.41	2.37	2.37	2.37	2.36	2.34	2.33	2.32	2.33	2.33	2.34
160	2.39	2.41	2.38	2.37	2.40	2.42	2.43	2.46	2.49	2.44	2.45	2.51	2.54	2.44	2.47	2.55	2.52	2.54	2.66
165	2.18	2.18	2.12	2.13	2.17	2.24	2.27	2.30	2.29	2.29	2.33	2.41	2.42	2.38	2.36	2.39	2.41	2.47	2.54
170	1.79	1.76	1.72	1.70	1.73	1.79	1.83	1.86	1.85	1.89	1.95	2.02	1.99	1.98	2.00	1.98	2.00	2.01	2.02
175	1.45	1.44	1.41	1.43	1.43	1.42	1.44	1.47	1.52	1.58	1.61	1.63	1.57	1.58	1.61	1.62	1.61	1.59	1.58
180	1.39	1.39	1.39	1.41	1.39	1.38	1.40	1.39	1.41	1.45	1.43	1.43	1.39	1.39	1.40	1.41	1.39	1.38	1.40

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-VF71RA01-20W	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	1072	1072	1072	1072	1072														
5	929	922	892	880	845														
10	485	481	451	444	410														
15	210	210	198	194	181														
20	109	107	99.0	95.3	85.9														
25	50.0	43.2	36.4	33.9	30.9														
30	16.3	16.2	14.8	14.5	13.5														
35	6.39	6.33	5.77	5.59	5.07														
40	2.15	2.12	2.05	2.08	2.05														
45	1.16	1.16	1.10	1.06	1.00														
50	0.44	0.45	0.41	0.38	0.32														
55	0.12	0.13	0.13	0.14	0.19														
60	0.12	0.12	0.12	0.14	0.22														
65	0.08	0.08	0.08	0.08	0.19														
70	0.03	0.02	0.03	0.03	0.06														
75	0.02	0.02	0.03	0.03	0.03														
80	0.02	0.03	0.03	0.03	0.03														
85	0.03	0.03	0.03	0.03	0.03														
90	0.03	0.03	0.03	0.04	0.04														
95	0.04	0.04	0.04	0.04	0.04														
100	0.04	0.04	0.04	0.05	0.10														
105	0.05	0.05	0.05	0.08	0.07														
110	0.05	0.05	0.06	0.06	0.08														
115	0.07	0.07	0.07	0.07	0.09														
120	0.11	0.11	0.11	0.11	0.13														
125	0.18	0.20	0.21	0.21	0.23														
130	0.37	0.44	0.39	0.42	0.45														
135	0.69	0.71	0.77	0.83	0.86														
140	1.20	1.39	1.28	1.35	1.41														
145	1.73	1.77	1.79	1.82	1.91														
150	2.11	2.13	2.16	2.18	2.22														
155	2.37	2.37	2.37	2.38	2.40														
160	2.56	2.47	2.44	2.44	2.41														
165	2.47	2.33	2.25	2.24	2.21														
170	1.97	1.92	1.86	1.84	1.81														
175	1.56	1.57	1.54	1.50	1.48														
180	1.39	1.41	1.45	1.43	1.43														

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: