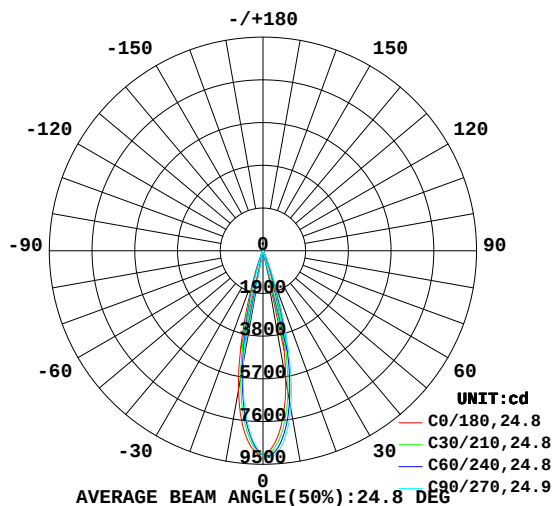


LUMINAIRE PHOTOMETRIC TEST REPORT

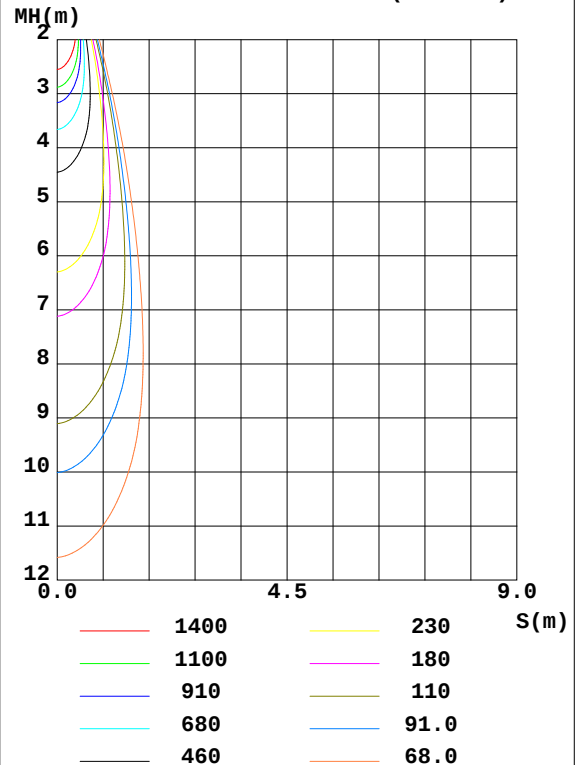
NAME: VM070-VF71SA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.47 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	9199	S/MH(C0/180)	0.41
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.35
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1744.6	η UP, DN(C0-180)	1.2, 56.3
NOMINAL FLUX(lm)	1744.59	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 41.1
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: 2021-08-13

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:

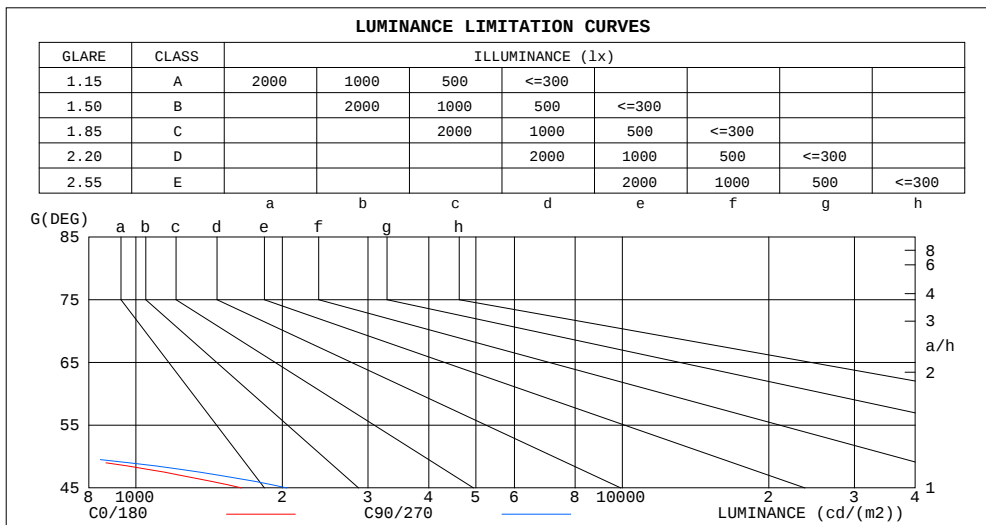
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5849	6687	7119	7130	6280	5357	5009	5008	0- 10	719.0	719.0	41.2, 41.2
20	683.2	1138	1421	1372	896.6	615.0	514.9	478.9	10- 20	808.4	1527	87.5, 87.5
30	83.85	102.2	111.0	106.6	96.92	79.71	72.26	68.02	20- 30	129.5	1657	95, 95
40	14.74	27.11	21.38	31.39	18.14	18.65	14.19	15.61	30- 40	30.49	1687	96.7, 96.7
50	3.038	6.319	3.181	7.074	3.658	5.763	2.087	4.868	40- 50	7.917	1695	97.2, 97.2
60	1.978	0.5356	0.4907	0.6908	2.189	1.147	0.8679	1.120	50- 60	1.869	1697	97.3, 97.3
70	1.296	0.3220	0.2719	0.3481	1.525	0.3798	0.2387	0.3285	60- 70	0.9786	1698	97.3, 97.3
80	0.3934	0.3331	0.2983	0.3215	0.3577	0.2536	0.2675	0.2439	70- 80	0.3865	1699	97.4, 97.4
90	0.3672	0.3663	0.3448	0.3705	0.3505	0.3460	0.3449	0.3389	80- 90	0.3494	1699	97.4, 97.4
100	0.8614	0.5934	0.3866	0.5810	0.8327	0.4785	0.4287	0.4677	90-100	0.5285	1699	97.4, 97.4
110	1.017	0.6904	0.4529	0.6785	0.9869	0.6019	0.5018	0.5963	100-110	0.7111	1700	97.5, 97.5
120	1.754	0.8231	0.6646	0.8651	1.615	1.408	1.094	1.419	110-120	0.9420	1701	97.5, 97.5
130	5.990	3.358	2.960	2.872	5.581	5.055	8.885	5.681	120-130	2.643	1704	97.7, 97.7
140	14.17	12.46	11.58	11.57	13.50	15.26	16.10	16.07	130-140	7.392	1711	98.1, 98.1
150	24.63	23.27	22.67	22.70	24.25	25.31	25.92	25.87	140-150	12.17	1723	98.8, 98.8
160	27.02	27.16	27.74	27.82	28.07	27.99	27.96	27.43	150-160	12.37	1736	99.5, 99.5
170	20.17	21.12	22.48	22.71	22.07	20.95	20.24	19.04	160-170	7.217	1743	99.9, 99.9
180	15.35	15.59	15.02	15.34	15.34	15.59	15.03	15.33	170-180	1.745	1745	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-VF71SA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



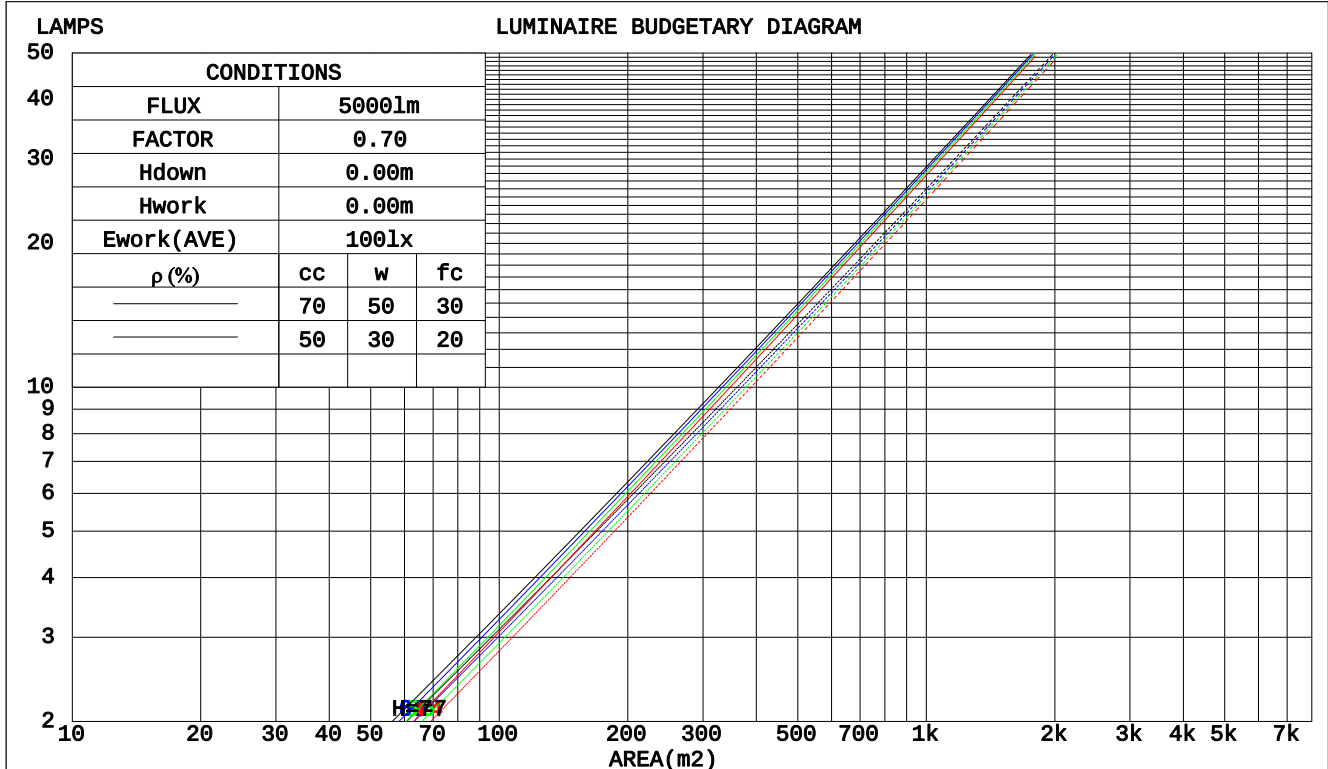
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-13

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-VF71SA01-20W	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	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	1.04	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	1.03	1.02	1.01	.00	.98	.97	.97	.95
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.02	1.00	.99	.99	.97	.96	.96	.95	.94	.92
3.0	1.03	1.00	.97	1.02	.99	.96	.99	.97	.95	.97	.95	.93	.94	.93	.91	.90
4.0	.00	.96	.93	.99	.95	.93	.96	.94	.91	.94	.92	.90	.92	.90	.89	.88
5.0	.97	.93	.90	.96	.92	.89	.94	.91	.88	.92	.89	.88	.90	.88	.87	.85
6.0	.94	.90	.87	.93	.89	.87	.91	.88	.86	.90	.87	.85	.89	.86	.85	.83
7.0	.91	.87	.85	.90	.87	.84	.89	.86	.84	.88	.85	.83	.87	.84	.83	.82
8.0	.89	.85	.82	.88	.85	.82	.87	.84	.82	.86	.83	.81	.85	.83	.81	.80
9.0	.86	.83	.80	.86	.82	.80	.85	.82	.80	.84	.81	.79	.83	.81	.79	.78
10.0	.84	.81	.78	.84	.81	.78	.83	.80	.78	.82	.80	.78	.82	.79	.77	.76



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-VF71SA01-20W	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	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)										
0.0																	
1.0	.131	.075	.024	.124	.071	.022	.110	.063	.020	.097	.056	.018	.086	.050	.016		
2.0	.120	.066	.020	.114	.063	.019	.103	.057	.018	.092	.052	.016	.082	.047	.015		
3.0	.111	.059	.018	.106	.057	.017	.097	.052	.016	.088	.048	.015	.079	.044	.014		
4.0	.104	.054	.016	.099	.052	.015	.091	.048	.014	.084	.045	.014	.076	.041	.013		
5.0	.097	.050	.014	.094	.048	.014	.086	.045	.013	.080	.042	.013	.074	.039	.012		
6.0	.092	.046	.013	.088	.045	.013	.082	.042	.012	.076	.040	.012	.071	.037	.011		
7.0	.087	.043	.012	.084	.042	.012	.079	.040	.011	.073	.038	.011	.069	.036	.010		
8.0	.082	.040	.011	.080	.039	.011	.075	.038	.011	.071	.036	.010	.066	.034	.010		
9.0	.079	.038	.011	.076	.037	.010	.072	.036	.010	.068	.034	.010	.064	.033	.009		
10.0	.075	.036	.010	.073	.035	.010	.069	.034	.010	.066	.033	.009	.062	.031	.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	.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	.145	.132	.120	.100	.091	.084	.057	.053	.049	.018	.017	.016		
3.0	.154	.134	.117	.132	.115	.102	.091	.080	.071	.052	.047	.042	.017	.015	.014		
4.0	.141	.118	.100	.121	.102	.087	.083	.071	.061	.048	.042	.036	.016	.014	.012		
5.0	.131	.106	.087	.112	.092	.076	.077	.064	.054	.045	.038	.032	.014	.012	.011		
6.0	.122	.096	.077	.104	.083	.067	.072	.058	.048	.042	.034	.028	.013	.011	.009		
7.0	.114	.088	.069	.098	.076	.060	.068	.053	.043	.039	.031	.025	.013	.010	.008		
8.0	.107	.081	.063	.092	.070	.055	.064	.049	.039	.037	.029	.023	.012	.010	.008		
9.0	.101	.075	.057	.087	.065	.050	.060	.046	.035	.035	.027	.021	.011	.009	.007		
10.0	.096	.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:2021-08-13

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-VF71SA01-20W						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	2.2	2.8	2.4	3.0	3.1	3.5	4.1	3.8	4.3	4.5	
3H	2.2	2.7	2.5	2.9	3.2	3.4	3.9	3.7	4.2	4.4	
4H	2.1	2.7	2.4	2.9	3.2	3.3	3.8	3.6	4.1	4.3	
6H	2.1	2.6	2.4	2.9	3.2	3.2	3.7	3.6	4.0	4.3	
8H	2.1	2.6	2.4	2.9	3.2	3.2	3.7	3.6	4.0	4.3	
12H	2.1	2.6	2.5	2.9	3.2	3.2	3.7	3.5	4.0	4.3	
4H 2H	2.0	2.5	2.3	2.7	3.0	3.3	3.8	3.6	4.1	4.3	
3H	1.9	2.4	2.3	2.7	3.0	3.1	3.6	3.5	3.9	4.2	
4H	1.9	2.3	2.3	2.7	3.0	3.1	3.5	3.4	3.8	4.2	
6H	1.9	2.3	2.3	2.6	3.0	3.0	3.4	3.4	3.7	4.1	
8H	1.9	2.2	2.3	2.6	3.0	3.0	3.3	3.4	3.7	4.1	
12H	1.9	2.3	2.4	2.7	3.1	3.0	3.3	3.4	3.7	4.1	
8H 4H	1.8	2.1	2.2	2.5	2.9	2.9	3.3	3.3	3.6	4.1	
6H	1.7	2.0	2.2	2.5	2.9	2.8	3.1	3.3	3.6	4.0	
8H	1.8	2.0	2.3	2.5	3.0	2.8	3.1	3.3	3.5	4.0	
12H	1.9	2.1	2.4	2.6	3.1	2.9	3.1	3.4	3.6	4.1	
12H 4H	1.7	2.0	2.1	2.4	2.9	2.8	3.2	3.3	3.6	4.0	
6H	1.7	2.0	2.2	2.4	2.9	2.8	3.0	3.3	3.5	4.0	
8H	1.7	2.0	2.3	2.5	3.0	2.8	3.0	3.3	3.5	4.0	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.6 / - 6.0					+ 3.3 / - 9.5					
1.5H	+ 4.5 / - 6.6					+ 5.5 / - 8.8					
2.0H	+ 4.2 / - 3.1					+ 5.4 / - 4.1					

CIE Pub.117, 1745 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.9$)

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-VF71SA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

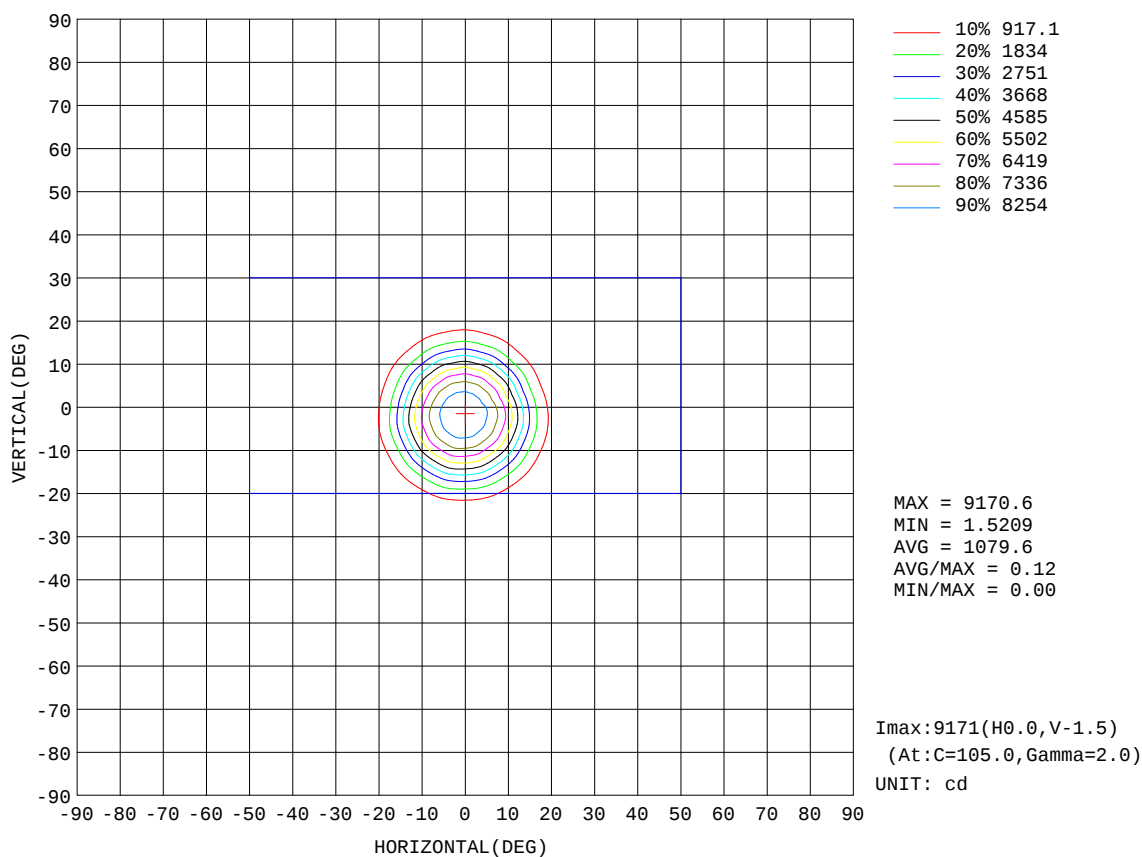
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	90	84	80	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	94	90	87	84
1.00	100	95	92	99	95	92	98	94	91	87
1.25	104	99	96	103	98	96	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	108	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	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-VF71SA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

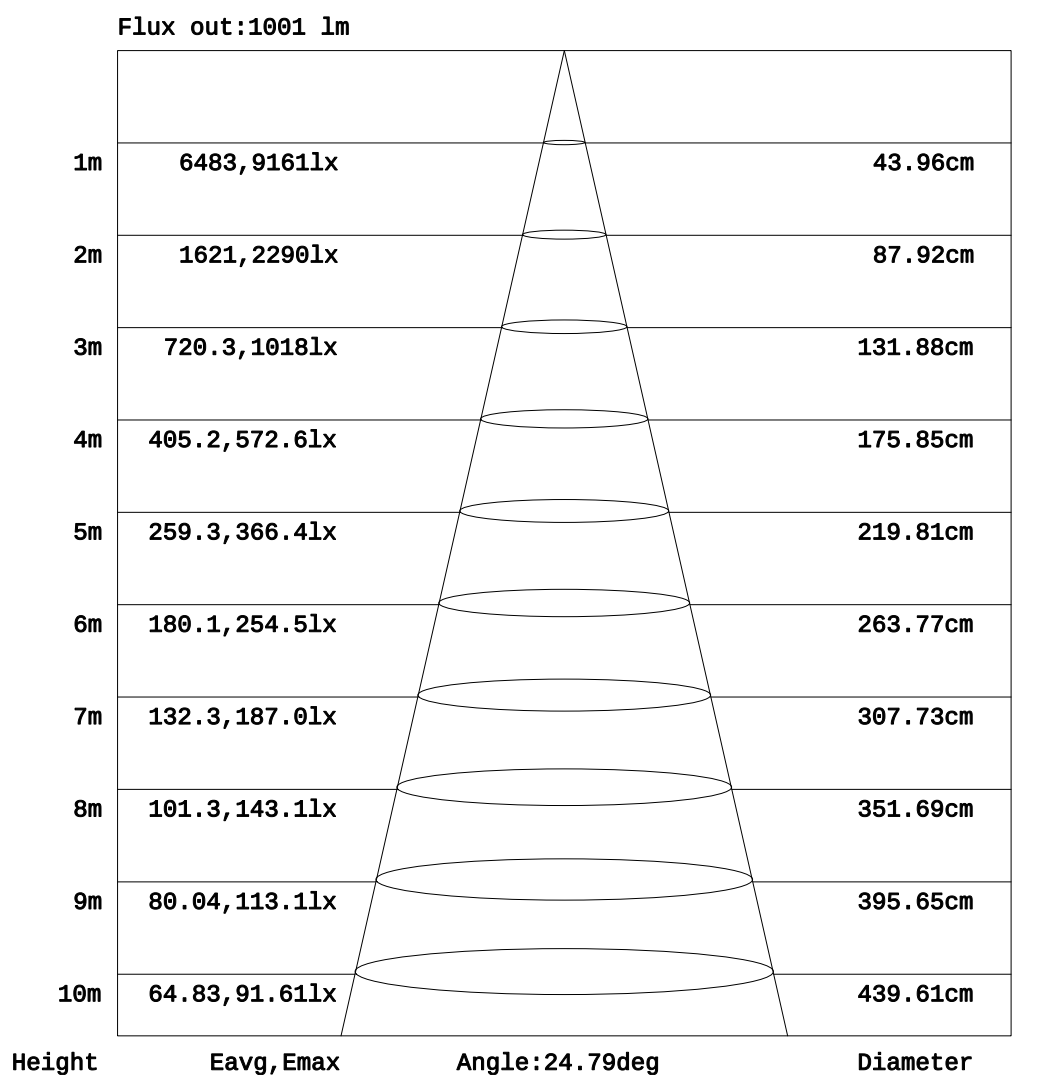


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-13

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-VF71SA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



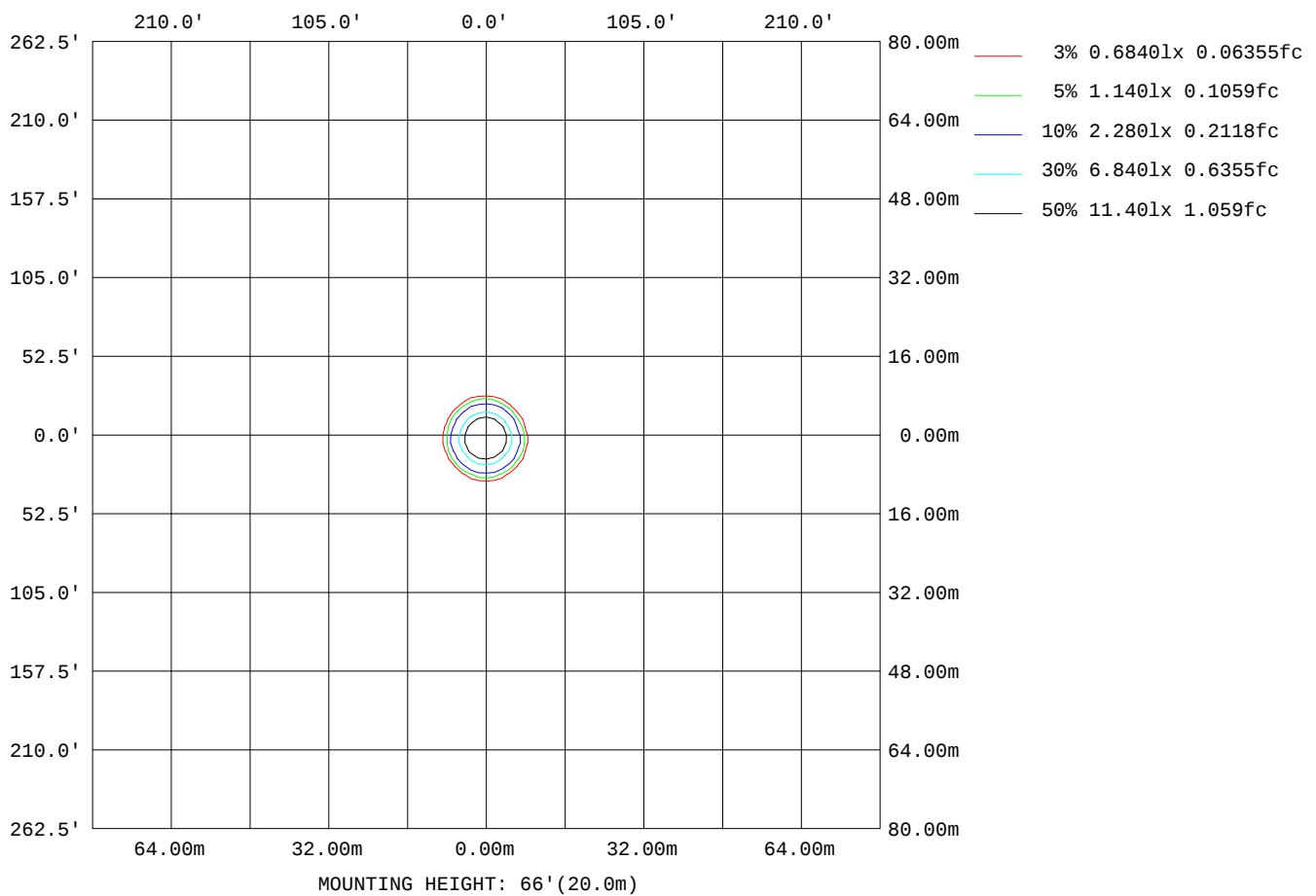
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-VF71SA01-20W	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: 2021-08-13

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-VF71SA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

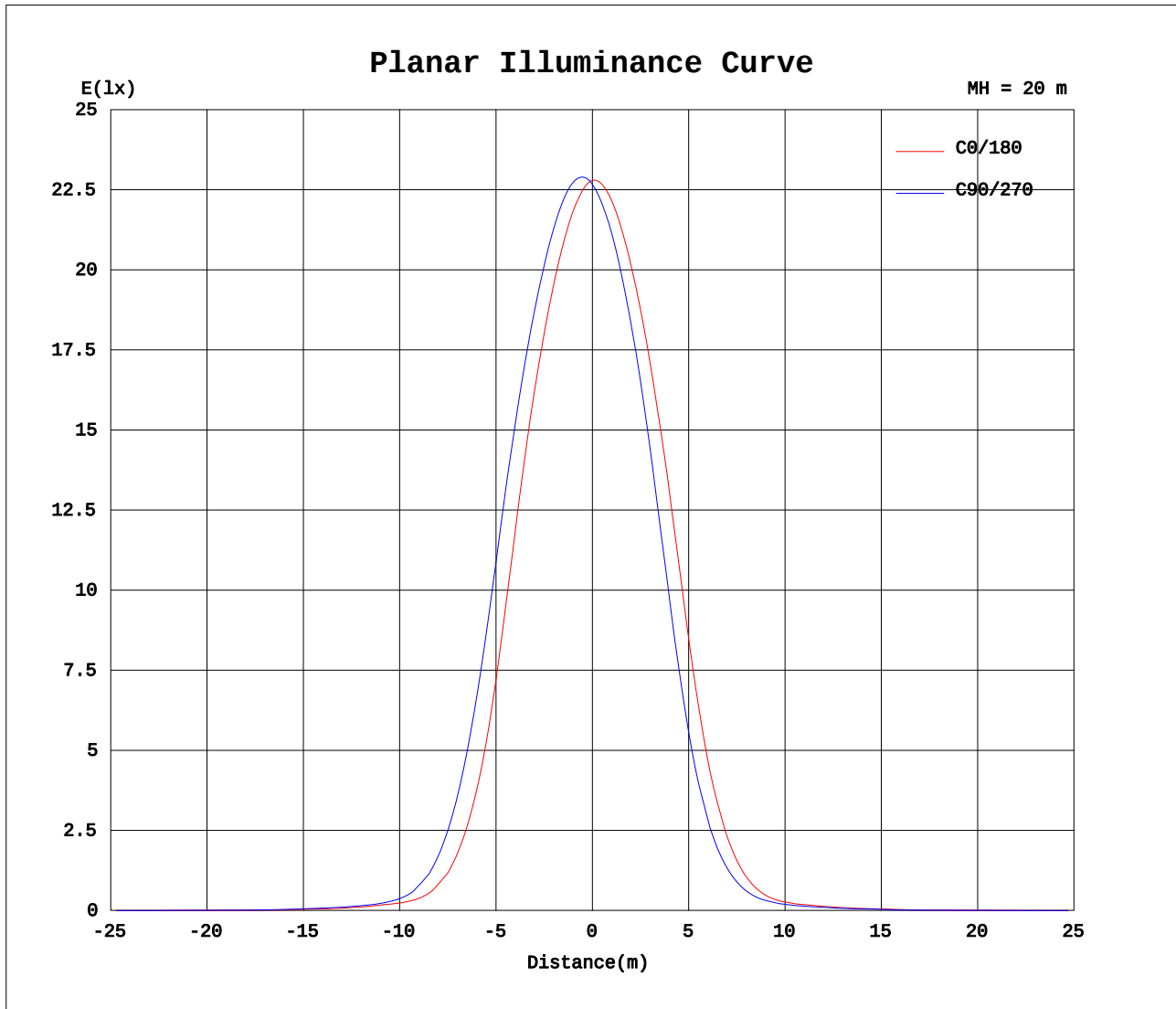
AvgL	cd/m2
L_0~180(65)av	657
L_0~180(75)av	397
L_0~180(85)av	637
L_90~270(65)av	142
L_90~270(75)av	149
L_90~270(85)av	523
L_45(65)av	209
L_45(75)av	161
L_45(85)av	519

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-vF71SA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	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	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072
5	8145	8326	8400	8573	8641	8790	8820	8894	8830	8814	8679	8610	8361	8179	8085	7919	7870	7746	7751
10	5849	6228	6376	6687	6792	7070	7119	7270	7149	7130	6874	6742	6280	5905	5702	5357	5248	5004	5009
15	2551	2955	3187	3576	3733	4067	4126	4327	4155	4119	3775	3613	3084	2720	2552	2257	2171	1964	1959
20	683	849	947	1138	1227	1441	1421	1545	1393	1372	1170	1104	897	766	717	615	590	535	515
25	172	202	220	260	276	314	314	331	302	294	253	242	204	186	178	162	161	143	145
30	83.9	94.2	94.9	102	104	112	111	114	109	107	101	102	96.9	88.5	84.0	79.7	76.4	71.3	72.3
35	39.7	43.0	46.6	52.0	53.8	56.6	56.8	57.7	57.0	56.7	52.9	51.4	48.7	47.2	47.1	45.7	43.8	40.8	39.8
40	14.7	16.9	24.7	27.1	28.3	25.9	21.4	27.1	31.3	31.4	30.2	23.6	18.1	18.9	21.0	18.7	17.8	14.9	14.2
45	7.89	8.64	10.00	11.6	11.1	10.3	9.84	10.7	12.1	13.0	11.7	10.3	9.20	9.30	10.4	10.6	9.57	7.82	7.23
50	3.04	3.27	4.66	6.32	5.34	3.90	3.18	4.18	5.76	7.07	5.61	4.15	3.66	3.80	4.95	5.76	4.41	2.71	2.09
55	1.84	1.13	1.29	2.14	1.45	0.70	0.66	0.84	1.77	2.61	1.69	1.25	1.95	4.59	1.97	2.18	1.39	0.94	0.89
60	1.98	1.31	0.66	0.54	0.51	0.46	0.49	0.56	0.63	0.69	0.71	1.29	2.19	2.26	7.51	1.15	0.90	0.89	0.87
65	1.79	1.25	0.48	0.40	0.38	0.30	0.32	0.34	0.43	0.47	0.55	1.30	1.99	1.43	2.28	0.82	0.69	0.55	0.50
70	1.30	0.75	0.38	0.32	0.33	0.29	0.27	0.28	0.34	0.35	0.42	0.87	1.52	1.26	0.83	0.38	0.31	0.26	0.24
75	0.66	0.44	0.35	0.33	0.32	0.30	0.28	0.30	0.31	0.32	0.36	0.47	0.73	0.39	0.24	0.24	0.24	0.24	0.25
80	0.39	0.38	0.34	0.33	0.32	0.31	0.30	0.31	0.31	0.32	0.33	0.38	0.36	0.26	0.30	0.25	0.26	0.25	0.27
85	0.44	0.35	0.33	0.34	0.32	0.33	0.32	0.33	0.31	0.33	0.32	0.34	0.31	0.27	0.30	0.29	0.32	0.29	0.30
90	0.37	0.40	0.36	0.37	0.34	0.35	0.34	0.35	0.36	0.37	0.35	0.39	0.35	0.36	0.40	0.35	0.40	0.35	0.34
95	0.68	0.59	0.52	0.48	0.41	0.38	0.38	0.38	0.42	0.47	0.48	0.52	0.61	0.76	0.51	0.41	0.38	0.37	0.39
100	0.86	0.65	0.63	0.59	0.50	0.44	0.39	0.43	0.51	0.58	0.60	0.62	0.83	1.11	0.77	0.48	0.43	0.42	0.43
105	0.89	0.75	0.71	0.64	0.55	0.48	0.42	0.45	0.56	0.63	0.70	0.71	0.86	1.15	0.89	0.52	0.47	0.45	0.46
110	1.02	0.81	0.75	0.69	0.61	0.52	0.45	0.49	0.60	0.68	0.74	0.78	0.99	1.33	1.14	0.60	0.51	0.51	0.50
115	1.21	0.91	0.83	0.75	0.67	0.57	0.52	0.54	0.66	0.73	0.80	0.87	1.16	1.70	1.58	0.83	0.66	0.63	0.61
120	1.75	1.19	1.06	0.82	0.76	0.72	0.66	0.68	0.71	0.87	0.96	1.08	1.61	2.42	2.49	1.41	1.32	1.16	1.09
125	3.16	2.17	1.85	1.50	1.33	1.31	1.22	1.21	1.17	1.32	1.57	1.83	2.92	4.13	4.35	2.34	3.93	3.89	3.92
130	5.99	4.55	3.91	3.36	3.27	3.05	2.96	2.87	2.96	2.87	3.30	3.87	5.58	7.41	7.58	5.05	8.01	8.60	8.89
135	10.1	8.17	7.68	7.23	7.05	6.62	6.49	6.34	6.52	6.49	6.78	7.19	9.58	9.22	9.12	9.60	13.9	13.7	13.2
140	14.2	13.4	13.1	12.5	12.1	11.7	11.6	11.3	11.5	11.6	12.0	12.3	13.5	14.6	14.7	15.3	21.5	16.6	16.1
145	19.9	19.2	18.8	18.2	17.9	17.4	17.3	17.1	17.3	17.3	17.8	18.1	19.2	21.7	20.3	20.8	21.0	21.6	21.6
150	24.6	24.1	23.7	23.3	23.1	22.8	22.7	22.5	22.7	22.7	23.0	23.3	24.2	24.7	24.9	25.3	25.5	25.9	25.9
155	27.1	27.0	26.7	26.5	26.6	26.5	26.5	26.5	26.6	26.5	26.8	27.0	27.3	27.6	27.6	27.7	27.9	28.1	28.1
160	27.0	27.2	27.1	27.2	27.4	27.7	27.7	27.9	27.8	27.8	28.0	28.2	28.1	27.9	27.8	28.0	28.1	28.0	28.0
165	24.2	24.6	24.6	25.2	25.6	26.0	26.2	26.5	26.5	26.5	26.2	26.3	26.0	25.6	25.4	25.4	26.0	25.8	25.4
170	20.2	20.5	20.8	21.1	21.6	22.2	22.5	22.8	22.6	22.7	22.6	22.5	22.1	21.6	21.4	21.0	21.4	21.1	20.2
175	16.1	16.4	16.7	17.2	17.4	17.5	17.6	17.8	18.0	18.3	18.1	17.7	17.6	17.4	17.3	17.2	16.7	16.0	15.6
180	15.3	15.3	15.4	15.6	15.3	15.0	15.0	14.8	14.9	15.3	15.0	14.7	15.3	15.3	15.4	15.6	15.3	15.0	15.0

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM070-VF71SA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	9072	9072	9072	9072	9072														
5	7688	7755	7752	7879	7923														
10	4880	5013	5008	5268	5390														
15	1846	1917	1879	2067	2144														
20	489	480	479	504	545														
25	132	137	130	143	144														
30	67.0	67.6	68.0	70.5	73.7														
35	38.0	37.5	36.7	36.5	36.2														
40	13.8	15.8	15.6	16.9	14.0														
45	7.40	8.61	9.20	8.65	7.70														
50	2.54	3.93	4.87	4.06	2.94														
55	0.93	1.27	1.89	2.28	2.64														
60	0.88	0.92	1.12	8.37	1.44														
65	0.53	0.67	0.73	2.12	1.60														
70	0.26	0.29	0.33	0.63	1.26														
75	0.24	0.25	0.24	0.24	0.30														
80	0.25	0.26	0.24	0.32	0.25														
85	0.28	0.29	0.28	0.30	0.27														
90	0.33	0.34	0.34	0.39	0.37														
95	0.38	0.39	0.41	0.51	0.90														
100	0.42	0.43	0.47	0.78	1.15														
105	0.46	0.48	0.53	0.93	1.31														
110	0.52	0.53	0.60	1.18	1.49														
115	0.64	0.70	0.74	1.68	1.83														
120	1.20	1.45	1.42	2.69	2.74														
125	3.89	4.25	2.55	4.78	4.75														
130	8.97	8.99	5.68	8.73	8.78														
135	14.1	16.1	11.0	10.1	10.4														
140	16.5	21.1	16.1	15.8	15.7														
145	21.9	21.6	21.6	21.6	23.6														
150	26.1	25.9	25.9	25.6	25.5														
155	28.2	28.0	27.8	27.7	27.7														
160	27.8	27.7	27.4	27.2	27.2														
165	25.3	25.1	24.3	23.9	24.0														
170	19.8	19.6	19.0	19.3	19.5														
175	15.4	15.6	15.5	15.2	15.1														
180	14.8	14.9	15.3	15.0	14.7														

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: