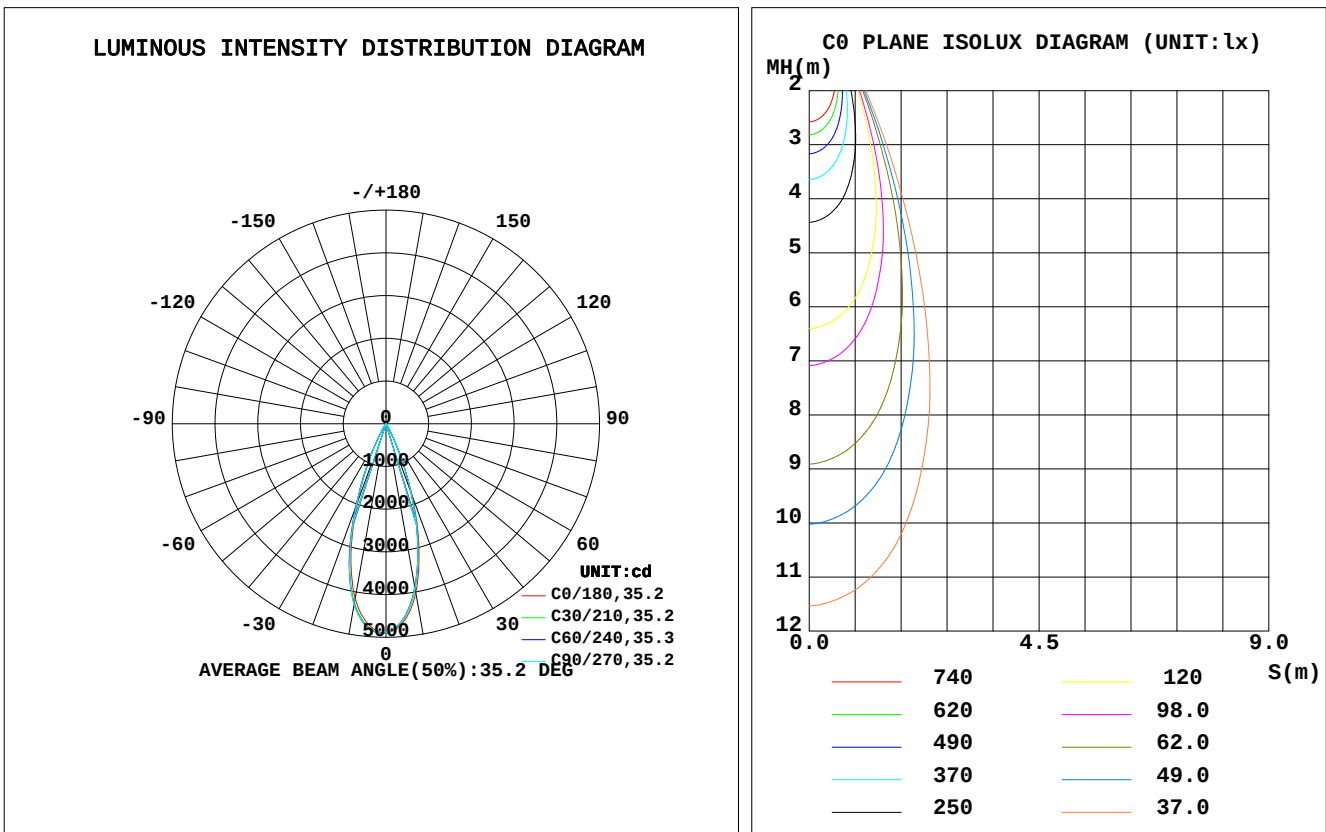


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: VM070-VF71SA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 89.51 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	4909	S/MH(C0/180)	0.57	
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.57	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1747.0	η UP, DN(C0-180)	1.3, 46.9	
NOMINAL FLUX(lm)	1747	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 50.4	
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η down(%)	97.4	CIBSE SHR MAX	0.60	



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:

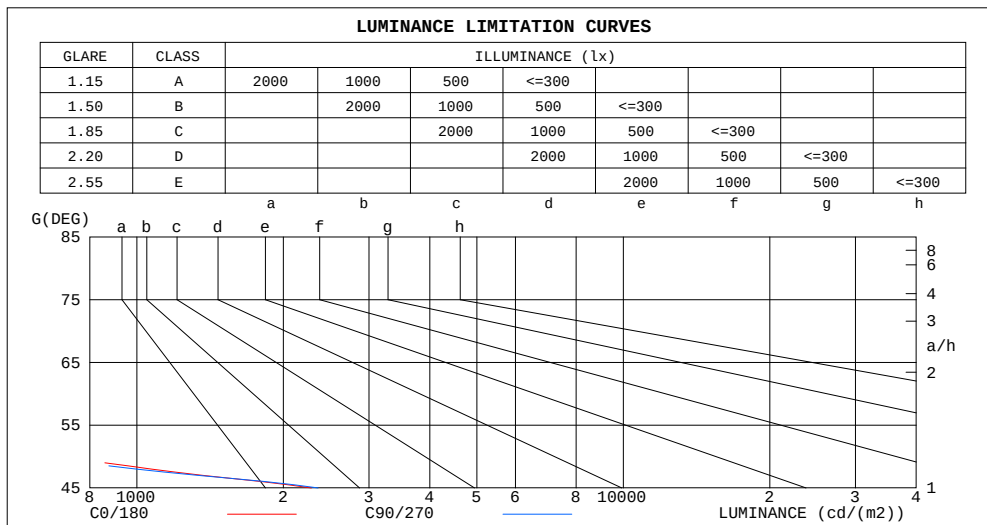
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4017	3928	3900	4040	4151	4250	4292	4137	0- 10	428.8	428.8	24.5, 24.5
20	1769	1737	1714	1858	1946	2012	2039	1867	10- 20	828.8	1258	72, 72
30	151.3	168.0	169.4	219.8	243.3	242.7	219.4	153.5	20- 30	387.8	1645	94.2, 94.2
40	21.95	25.48	21.98	29.69	23.52	26.81	20.88	24.49	30- 40	41.63	1687	96.6, 96.6
50	2.930	6.821	2.404	8.049	3.783	7.939	2.939	6.952	40- 50	10.31	1697	97.2, 97.2
60	1.844	0.5485	0.4846	0.6953	1.865	1.147	0.7866	1.120	50- 60	2.018	1699	97.3, 97.3
70	1.254	0.3461	0.2984	0.3900	1.567	0.4258	0.2475	0.3638	60- 70	0.9807	1700	97.3, 97.3
80	0.3979	0.3461	0.3204	0.3479	0.3514	0.2733	0.2697	0.2681	70- 80	0.4060	1701	97.4, 97.4
90	0.3628	0.3727	0.3560	0.3945	0.3464	0.3217	0.3162	0.3189	80- 90	0.3565	1701	97.4, 97.4
100	0.8439	0.6084	0.3934	0.6028	0.7718	0.4473	0.3737	0.4319	90-100	0.5222	1702	97.4, 97.4
110	1.044	0.7254	0.4949	0.7048	0.9611	0.6190	0.5020	0.6224	100-110	0.7162	1702	97.4, 97.4
120	2.588	1.814	1.695	1.701	2.252	2.032	1.583	2.133	110-120	1.236	1704	97.5, 97.5
130	7.725	6.209	6.237	5.699	7.045	5.479	9.655	6.008	120-130	3.919	1708	97.7, 97.7
140	13.89	14.06	14.01	13.39	13.15	12.90	12.96	13.45	130-140	8.250	1716	98.2, 98.2
150	21.94	21.92	22.06	21.60	21.53	21.20	21.27	21.68	140-150	11.19	1727	98.9, 98.9
160	24.93	24.85	25.27	25.27	25.48	25.97	25.87	25.79	150-160	11.10	1738	99.5, 99.5
170	21.56	21.28	21.90	22.28	22.63	22.92	23.23	22.10	160-170	6.933	1745	99.9, 99.9
180	20.32	20.79	20.39	20.85	20.34	20.77	20.41	20.84	170-180	2.026	1747	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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	748	577
80	338	271
75	352	171
70	541	128
65	624	120
60	545	142
55	441	174
50	673	549
45	2283	2358

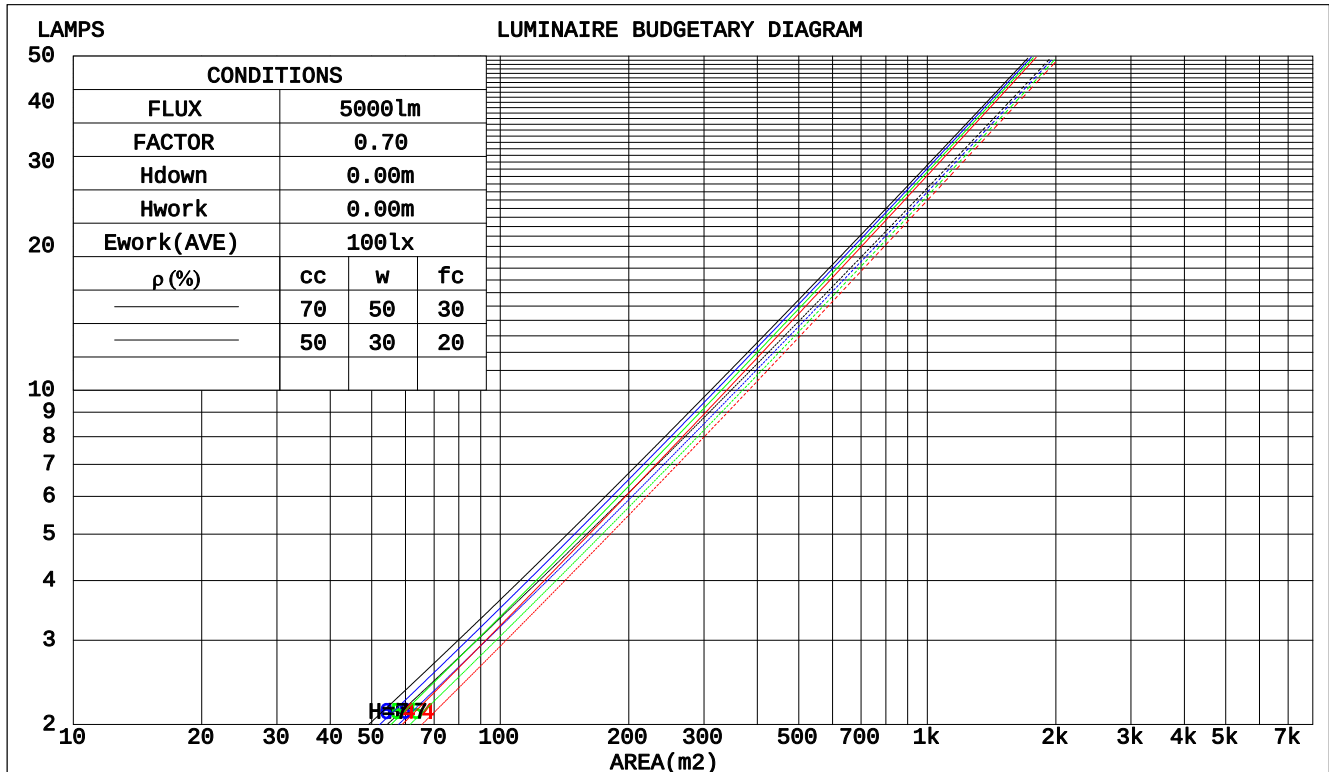
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-13

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-CRI90-38D	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	1.04	1.04	1.04	.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	1.00	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	.97	.94	.91	.94	.92	.90	.91	.90	.88	.87
4.0	.97	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.86	.85	.83
5.0	.92	.88	.85	.91	.87	.84	.90	.86	.83	.88	.85	.82	.86	.83	.81	.80
6.0	.89	.84	.81	.88	.84	.81	.86	.83	.80	.85	.82	.79	.83	.81	.79	.77
7.0	.85	.81	.78	.85	.80	.77	.83	.80	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.78	.75	.82	.77	.74	.81	.77	.74	.79	.76	.74	.78	.75	.73	.72
9.0	.79	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70
10.0	.77	.72	.69	.76	.72	.69	.75	.72	.69	.75	.71	.69	.74	.71	.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-VF71SA01-20W	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 Coefficients(WEC)										
0.0																	
1.0	.146	.083	.026	.139	.079	.025	.125	.072	.023	.112	.065	.021	.100	.058	.019		
2.0	.136	.075	.023	.130	.071	.022	.118	.066	.020	.107	.060	.019	.097	.055	.017		
3.0	.127	.068	.020	.122	.065	.020	.112	.061	.018	.103	.056	.017	.094	.052	.016		
4.0	.120	.062	.018	.115	.060	.018	.107	.057	.017	.099	.053	.016	.091	.050	.015		
5.0	.113	.058	.017	.109	.056	.016	.102	.053	.016	.095	.050	.015	.089	.047	.014		
6.0	.108	.054	.015	.104	.053	.015	.098	.050	.015	.092	.048	.014	.086	.045	.013		
7.0	.102	.051	.014	.099	.050	.014	.094	.047	.014	.088	.045	.013	.083	.043	.013		
8.0	.098	.048	.013	.095	.047	.013	.090	.045	.013	.085	.043	.012	.081	.041	.012		
9.0	.094	.045	.013	.091	.045	.012	.087	.043	.012	.082	.041	.012	.078	.040	.012		
10.0	.090	.043	.012	.088	.042	.012	.084	.041	.012	.080	.040	.011	.076	.038	.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	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.189	.178	.167	.162	.153	.144	.111	.105	.100	.064	.061	.058	.020	.020	.019	
2.0	.172	.153	.137	.147	.132	.119	.101	.091	.083	.058	.053	.048	.019	.017	.016	
3.0	.157	.134	.115	.135	.115	.100	.093	.080	.070	.054	.047	.041	.017	.015	.013	
4.0	.145	.119	.098	.125	.102	.085	.086	.071	.060	.050	.042	.036	.016	.014	.012	
5.0	.135	.107	.085	.116	.092	.074	.080	.064	.052	.046	.038	.031	.015	.012	.010	
6.0	.127	.097	.075	.109	.084	.065	.075	.059	.046	.044	.034	.027	.014	.011	.009	
7.0	.120	.089	.067	.103	.077	.058	.071	.054	.041	.041	.032	.025	.013	.010	.008	
8.0	.113	.082	.061	.098	.071	.053	.068	.050	.038	.039	.030	.022	.013	.010	.007	
9.0	.108	.077	.055	.093	.067	.048	.065	.047	.034	.038	.028	.020	.012	.009	.007	
10.0	.103	.072	.051	.089	.063	.045	.062	.044	.032	.036	.026	.019	.012	.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-vF71SA01-20W						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	3.4	4.1	3.7	4.3	4.5	3.3	4.0	3.5	4.2	4.4	
3H	3.3	4.0	3.6	4.2	4.4	3.1	3.8	3.4	4.0	4.2	
4H	3.3	3.9	3.6	4.1	4.4	3.0	3.6	3.3	3.9	4.2	
6H	3.2	3.8	3.6	4.1	4.4	3.0	3.5	3.3	3.8	4.1	
8H	3.2	3.8	3.5	4.0	4.3	2.9	3.5	3.3	3.8	4.1	
12H	3.2	3.7	3.6	4.0	4.4	2.9	3.5	3.3	3.8	4.1	
4H 2H	3.2	3.8	3.5	4.0	4.3	3.0	3.6	3.3	3.9	4.1	
3H	3.1	3.6	3.4	3.9	4.2	2.9	3.4	3.2	3.7	4.0	
4H	3.0	3.5	3.4	3.8	4.2	2.8	3.3	3.2	3.6	3.9	
6H	3.0	3.4	3.4	3.8	4.2	2.7	3.1	3.1	3.5	3.9	
8H	3.0	3.4	3.4	3.8	4.2	2.7	3.1	3.1	3.5	3.9	
12H	3.0	3.4	3.4	3.8	4.2	2.7	3.1	3.2	3.5	3.9	
8H 4H	2.9	3.3	3.3	3.7	4.1	2.6	3.0	3.1	3.4	3.8	
6H	2.8	3.2	3.3	3.6	4.1	2.6	2.9	3.0	3.3	3.8	
8H	2.8	3.1	3.3	3.6	4.1	2.6	2.9	3.1	3.3	3.8	
12H	2.9	3.2	3.4	3.7	4.2	2.6	2.9	3.2	3.4	3.9	
12H 4H	2.8	3.2	3.3	3.6	4.0	2.6	2.9	3.0	3.4	3.8	
6H	2.8	3.1	3.3	3.5	4.0	2.5	2.8	3.0	3.3	3.8	
8H	2.8	3.1	3.3	3.6	4.1	2.5	2.8	3.1	3.3	3.8	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.7 / - 7.1					+ 2.9 / - 8.6					
1.5H	+ 4.8 / - 7.9					+ 5.0 / - 8.7					
2.0H	+ 5.3 / - 3.7					+ 6.0 / - 3.9					

CIE Pub.117, 1747 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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

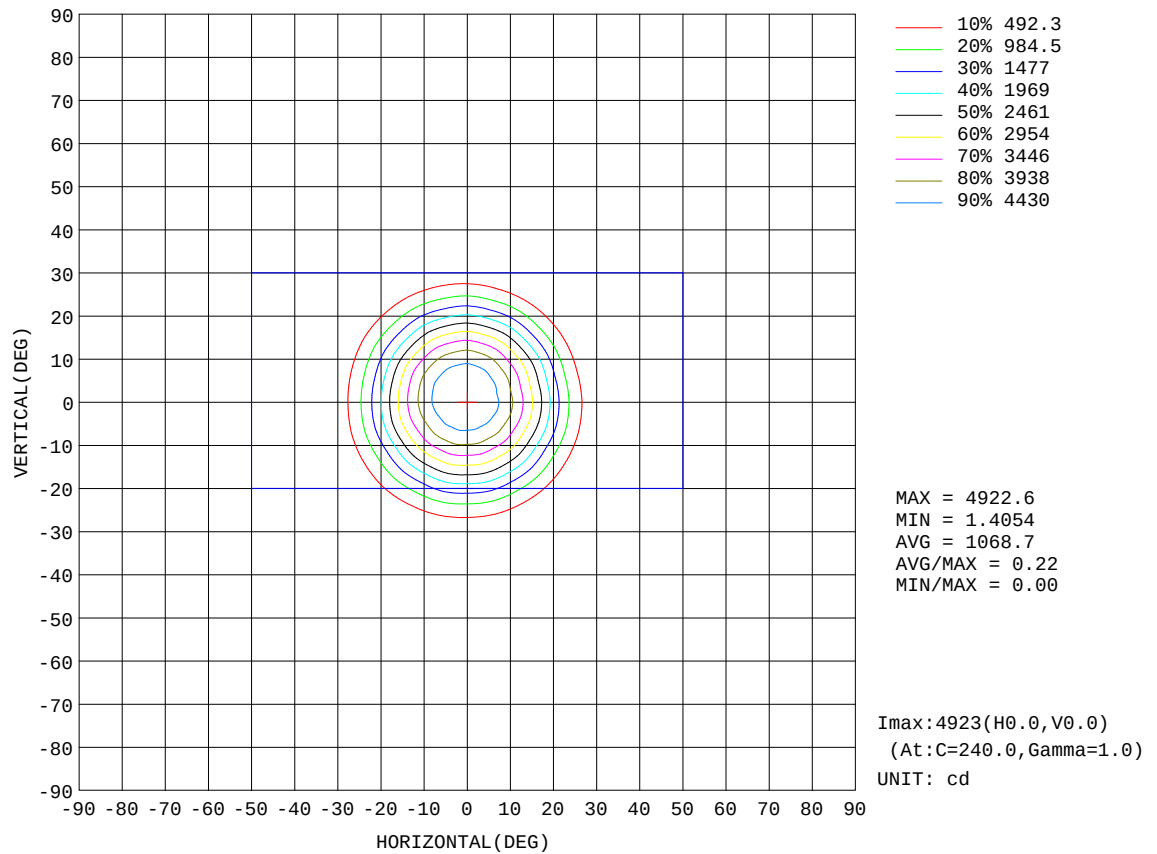
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	90	84	80	89	83	80	88	83	80	77
0.80	96	91	88	96	91	88	94	90	87	83
1.00	100	95	92	99	95	91	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	93
2.50	110	107	104	108	105	103	105	103	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										
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-VF71SA01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

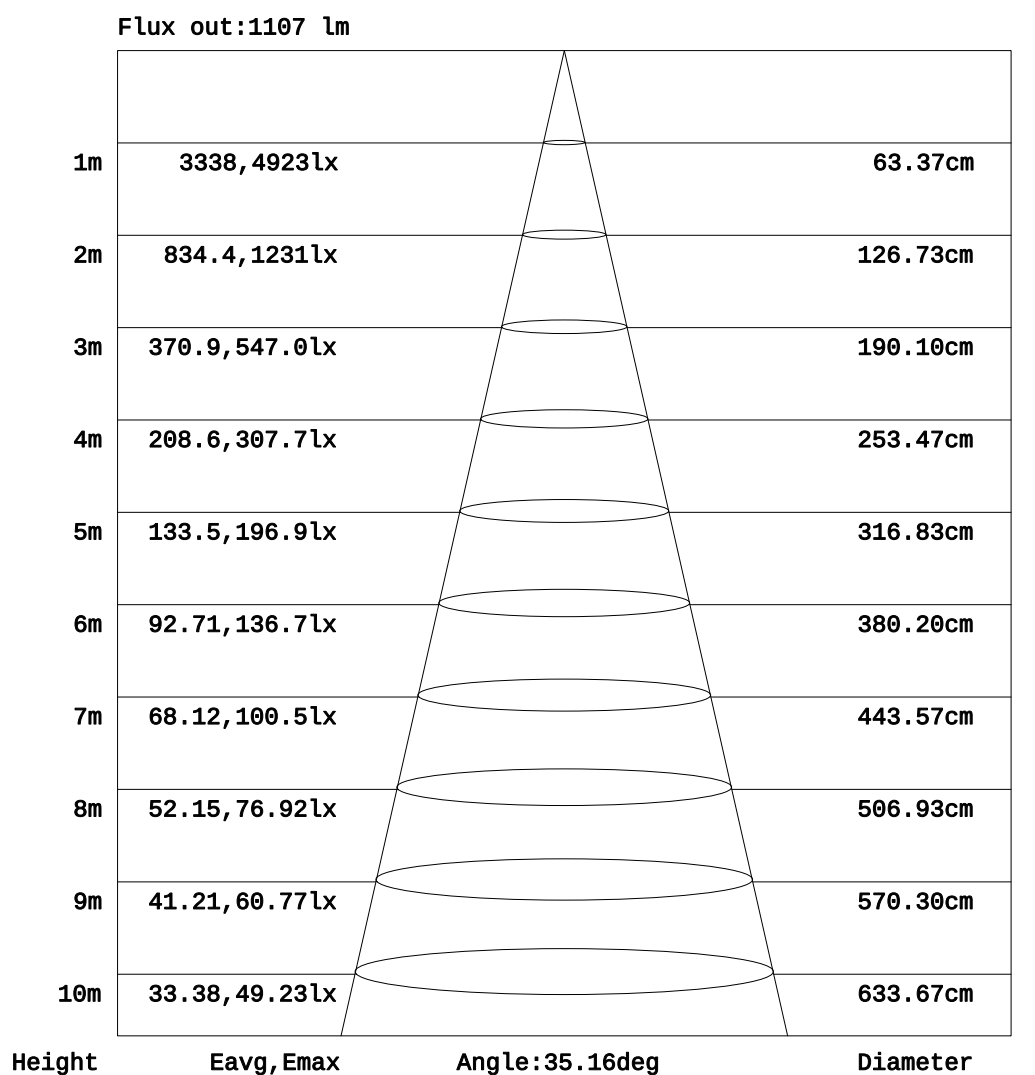


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-13

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-VF71SA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



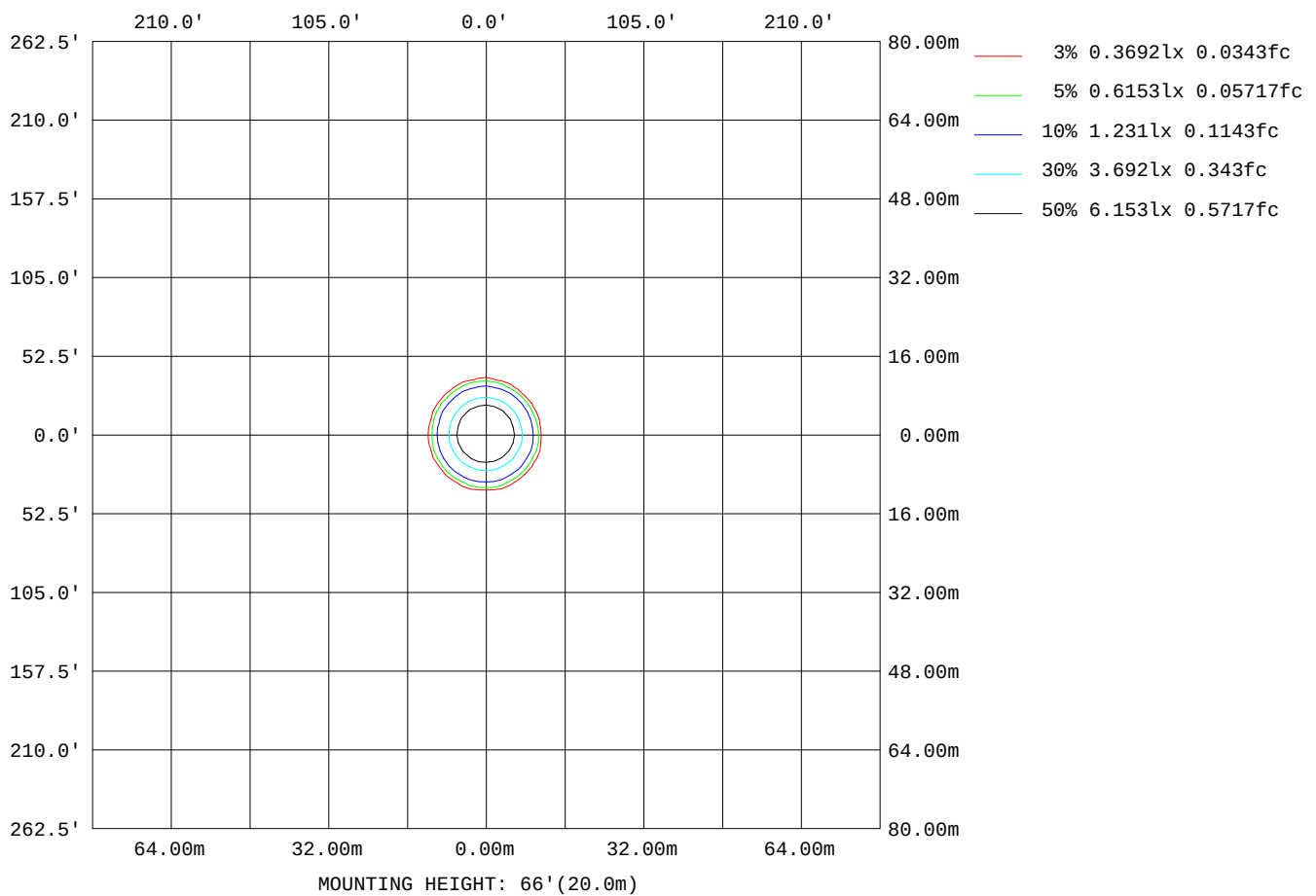
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF71SA01-20W	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-VF71SA01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

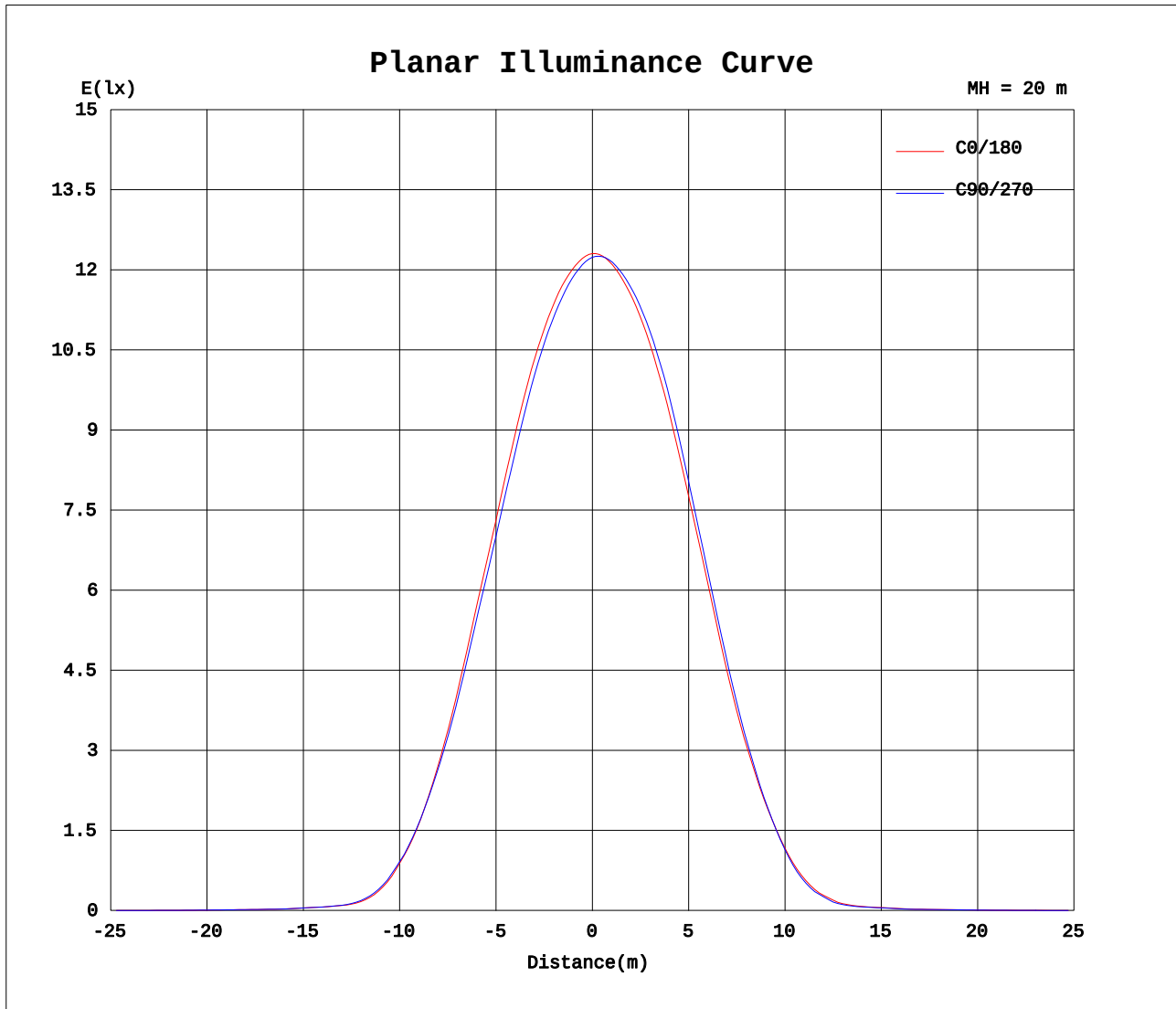
AvgL	cd/m2
L_0~180(65)av	648
L_0~180(75)av	391
L_0~180(85)av	636
L_90~270(65)av	153
L_90~270(75)av	157
L_90~270(85)av	537
L_45(65)av	212
L_45(75)av	171
L_45(85)av	533

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
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 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-CRI90-38D	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	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899	4899
5	4660	4647	4614	4610	4588	4598	4592	4618	4624	4659	4668	4706	4711	4730	4767	4770	4791	4781	4788
10	4017	4001	3933	3928	3882	3908	3900	3963	3973	4040	4055	4136	4151	4183	4246	4250	4290	4273	4292
15	2975	2958	2889	2905	2862	2886	2867	2936	2949	3032	3062	3164	3170	3196	3279	3272	3330	3280	3299
20	1769	1764	1701	1737	1701	1737	1714	1779	1778	1858	1866	1959	1946	1952	2023	2012	2075	2019	2039
25	720	738	703	725	704	747	737	791	793	859	861	921	911	921	967	940	963	917	920
30	151	173	157	168	156	178	169	188	189	220	225	245	243	245	261	243	243	224	219
35	49.2	50.9	50.6	50.4	48.9	48.5	48.9	51.6	54.6	55.6	56.0	56.3	55.9	59.1	59.1	58.6	55.1	53.8	50.3
40	21.9	22.8	25.3	25.5	24.7	21.9	22.0	23.7	28.5	29.7	29.1	26.8	23.5	24.7	28.3	26.8	26.9	22.5	20.9
45	10.9	12.1	13.4	14.3	13.4	12.1	11.4	13.4	15.2	16.1	15.5	14.8	13.6	14.1	15.4	15.3	14.7	12.7	12.0
50	2.93	3.18	4.85	6.82	4.86	3.08	2.40	3.46	5.73	8.05	6.26	4.32	3.78	4.70	6.56	7.94	6.19	3.63	2.94
55	1.71	1.10	1.16	1.80	1.09	0.65	0.68	0.80	1.40	2.52	1.67	1.20	1.71	5.26	2.43	2.74	1.75	0.91	0.87
60	1.84	1.22	0.65	0.55	0.52	0.45	0.48	0.56	0.65	0.70	0.71	1.19	1.86	2.81	6.60	1.15	0.85	0.81	0.79
65	1.79	1.11	0.48	0.39	0.37	0.32	0.34	0.38	0.43	0.49	0.57	1.19	1.94	1.50	2.74	0.82	0.69	0.59	0.54
70	1.25	0.66	0.41	0.35	0.35	0.31	0.30	0.31	0.38	0.39	0.46	0.78	1.57	1.33	0.90	0.43	0.36	0.29	0.25
75	0.62	0.41	0.38	0.35	0.35	0.33	0.30	0.33	0.34	0.35	0.39	0.44	0.76	0.39	0.25	0.26	0.25	0.25	0.25
80	0.40	0.39	0.36	0.35	0.35	0.33	0.32	0.34	0.34	0.35	0.36	0.41	0.35	0.26	0.32	0.27	0.27	0.27	0.27
85	0.44	0.35	0.34	0.35	0.35	0.35	0.34	0.35	0.35	0.35	0.34	0.37	0.31	0.28	0.29	0.29	0.30	0.29	0.29
90	0.36	0.40	0.37	0.37	0.36	0.36	0.36	0.36	0.38	0.39	0.37	0.41	0.35	0.37	0.40	0.32	0.45	0.35	0.32
95	0.67	0.58	0.54	0.50	0.42	0.38	0.38	0.38	0.42	0.51	0.51	0.54	0.56	0.78	0.49	0.37	0.34	0.34	0.34
100	0.84	0.65	0.65	0.61	0.52	0.43	0.39	0.41	0.50	0.60	0.63	0.64	0.77	1.15	0.77	0.45	0.37	0.38	0.37
105	0.87	0.75	0.72	0.65	0.56	0.45	0.43	0.44	0.56	0.65	0.72	0.73	0.81	1.32	0.88	0.50	0.44	0.42	0.42
110	1.04	0.84	0.80	0.73	0.64	0.51	0.49	0.48	0.62	0.70	0.77	0.80	0.96	1.48	1.20	0.62	0.51	0.51	0.50
115	1.46	1.18	1.13	1.04	0.97	0.80	0.80	0.74	0.87	0.92	1.01	1.04	1.32	2.05	1.80	1.04	0.83	0.79	0.76
120	2.59	2.10	2.06	1.81	1.78	1.68	1.69	1.58	1.59	1.70	1.77	1.80	2.25	3.28	3.17	2.03	1.92	1.67	1.58
125	4.72	3.96	3.86	3.58	3.51	3.46	3.47	3.31	3.22	3.23	3.40	3.43	4.18	5.61	5.44	3.17	4.90	4.66	5.15
130	7.73	6.73	6.52	6.21	6.34	6.23	6.24	6.00	5.98	5.70	5.87	6.03	7.04	8.65	8.36	5.48	8.41	8.96	9.65
135	11.1	9.88	9.91	9.92	10.1	9.84	9.81	9.60	9.60	9.31	9.15	9.04	10.3	9.51	8.91	8.86	13.8	13.2	12.9
140	13.9	13.9	14.2	14.1	14.1	14.0	14.0	13.8	13.6	13.4	13.3	13.0	13.2	13.3	13.1	12.9	20.9	13.5	13.0
145	18.2	18.2	18.4	18.2	18.4	18.3	18.4	18.0	18.0	17.7	17.7	17.3	17.5	19.0	17.3	17.1	17.0	17.2	17.2
150	21.9	21.9	21.9	21.9	22.1	22.0	22.1	21.9	21.9	21.6	21.5	21.3	21.5	21.4	21.2	21.2	21.1	21.3	21.3
155	24.3	24.4	24.4	24.3	24.6	24.5	24.5	24.6	24.6	24.3	24.4	24.3	24.3	24.3	24.2	24.2	24.3	24.4	24.4
160	24.9	25.0	25.0	24.8	25.0	25.2	25.3	25.4	25.3	25.3	25.4	25.5	25.5	25.4	25.6	26.0	26.0	25.9	25.9
165	23.7	23.6	23.4	23.6	23.7	23.9	24.1	24.3	24.3	24.4	24.3	24.6	24.7	24.7	24.8	25.0	25.9	26.0	25.7
170	21.6	21.3	21.2	21.3	21.5	21.8	21.9	22.1	22.0	22.3	22.5	22.7	22.6	22.7	23.0	22.9	23.5	23.7	23.2
175	20.0	19.9	20.0	20.3	20.3	20.2	20.2	20.3	20.6	21.1	21.3	21.1	20.8	21.0	21.4	21.5	21.3	21.1	21.0
180	20.3	20.4	20.5	20.8	20.5	20.3	20.4	20.3	20.5	20.8	20.7	20.5	20.3	20.3	20.6	20.8	20.5	20.3	20.4

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-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	4899	4899	4899	4899	4899														
5	4763	4755	4720	4702	4662														
10	4245	4222	4137	4097	4023														
15	3220	3202	3102	3073	2972														
20	1959	1957	1867	1846	1753														
25	846	834	767	751	693														
30	182	179	153	168	135														
35	47.6	47.7	46.8	47.0	46.7														
40	21.2	25.2	24.5	25.0	21.3														
45	12.3	13.9	14.1	13.4	11.3														
50	3.37	5.49	6.95	5.18	4.20														
55	0.91	1.57	2.26	3.13	4.04														
60	0.81	0.87	1.12	7.05	1.45														
65	0.56	0.67	0.74	2.27	1.67														
70	0.27	0.34	0.36	0.70	1.29														
75	0.25	0.26	0.25	0.26	0.32														
80	0.26	0.27	0.27	0.36	0.27														
85	0.28	0.29	0.28	0.31	0.28														
90	0.31	0.32	0.32	0.40	0.36														
95	0.34	0.35	0.38	0.50	0.92														
100	0.38	0.39	0.43	0.78	1.21														
105	0.43	0.46	0.51	0.92	1.43														
110	0.52	0.55	0.62	1.24	1.63														
115	0.83	0.91	1.00	2.02	2.27														
120	1.75	2.11	2.13	3.61	3.75														
125	4.75	5.24	3.45	6.14	6.32														
130	9.43	9.44	6.01	9.49	9.90														
135	13.5	16.1	10.1	9.78	10.4														
140	13.3	21.3	13.5	14.1	14.3														
145	17.4	17.5	17.7	18.3	21.5														
150	21.5	21.5	21.7	21.7	22.0														
155	24.5	24.5	24.4	24.3	24.4														
160	25.8	25.9	25.8	25.3	25.1														
165	25.5	25.4	24.6	24.0	23.8														
170	22.9	22.7	22.1	22.0	21.7														
175	20.9	21.1	21.0	20.7	20.4														
180	20.3	20.5	20.8	20.7	20.5														

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: