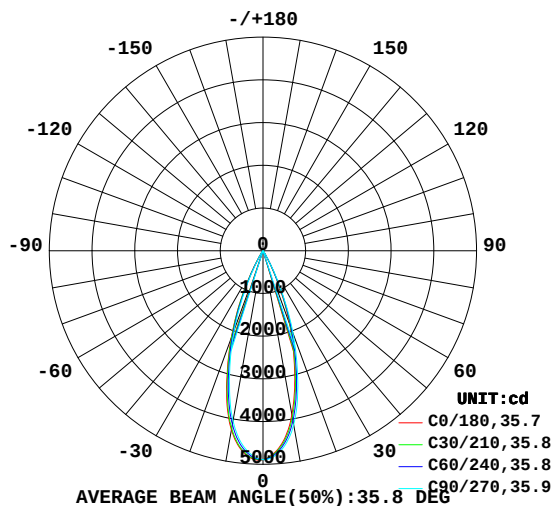


LUMINAIRE PHOTOMETRIC TEST REPORT

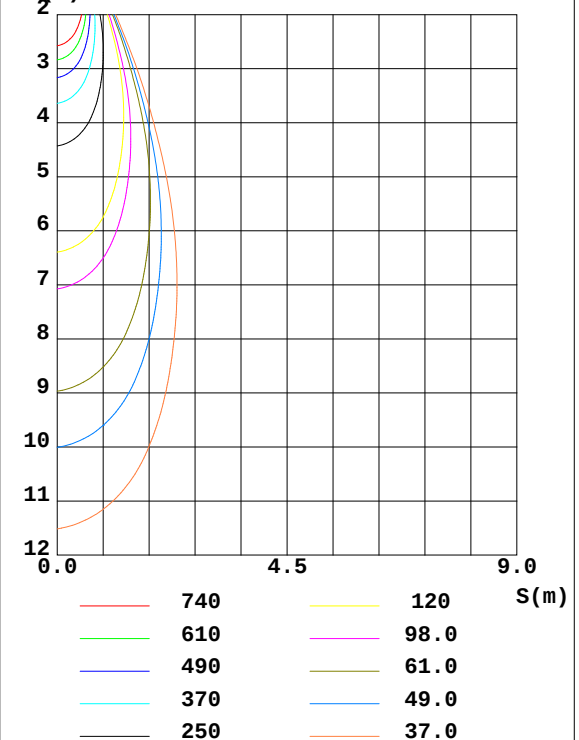
NAME: VM070-VF72RF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.92 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	4912	S/MH(C0/180)	0.60
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1869.5	η UP, DN(C0-180)	1.2, 49.5
NOMINAL FLUX(lm)	1869.52	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.0
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	97.6	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:

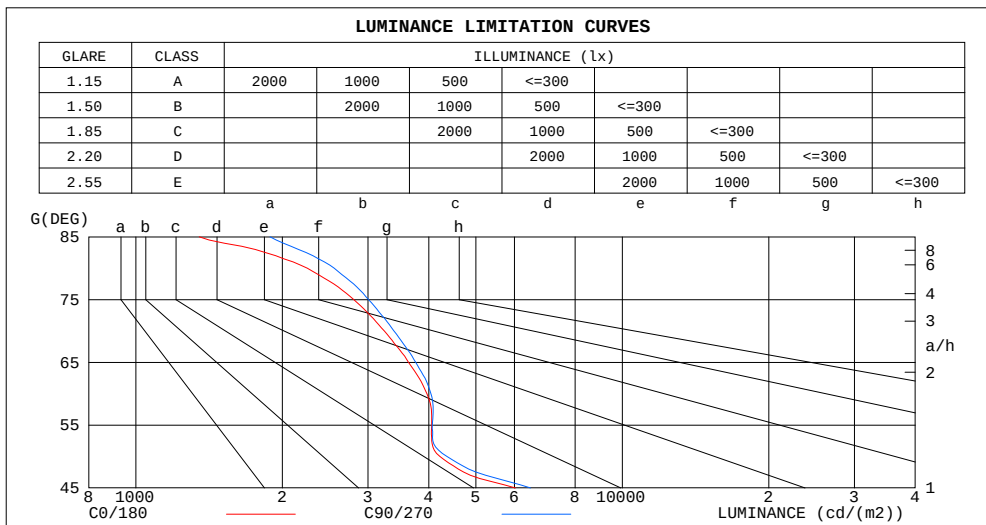
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3898	4030	4137	4296	4260	4155	4048	3899	0- 10	428.7	428.7	22.9,22.9
20	1819	1941	2057	2218	2180	2068	1966	1785	10- 20	839.7	1268	67.8,67.8
30	213.0	234.4	244.6	331.0	342.4	283.0	236.2	191.1	20- 30	450.1	1718	91.9,91.9
40	37.53	37.69	38.84	43.32	43.50	39.36	38.73	37.09	30- 40	57.94	1776	95,95
50	15.68	15.99	16.27	17.16	17.25	16.72	16.25	15.56	40- 50	20.38	1797	96.1,96.1
60	11.47	11.61	11.74	12.02	12.12	11.91	11.71	11.31	50- 60	12.23	1809	96.8,96.8
70	6.414	6.575	6.741	7.105	7.170	6.907	6.662	6.273	60- 70	9.118	1818	97.2,97.2
80	2.263	2.412	2.578	2.721	2.871	2.678	2.486	2.163	70- 80	4.787	1823	97.5,97.5
90	0.4205	0.4258	0.4287	0.4187	0.4053	0.3773	0.3912	0.3788	80- 90	1.195	1824	97.6,97.6
100	0.4931	0.4920	0.4884	0.4831	0.4735	0.4565	0.4819	0.4695	90-100	0.4807	1825	97.6,97.6
110	0.6469	0.6267	0.6139	0.5939	0.6147	0.6062	0.6258	0.6531	100-110	0.5639	1825	97.6,97.6
120	2.108	1.967	1.845	1.661	1.753	1.844	1.948	2.175	110-120	1.055	1826	97.7,97.7
130	6.930	6.586	6.262	5.783	5.891	6.174	6.503	7.027	120-130	3.407	1830	97.9,97.9
140	14.86	14.41	13.96	13.28	13.39	13.83	14.31	15.02	130-140	7.700	1837	98.3,98.3
150	22.85	22.48	22.28	21.76	21.91	22.25	22.70	23.09	140-150	11.46	1849	98.9,98.9
160	25.65	25.81	26.28	26.19	26.19	26.35	26.72	26.13	150-160	11.45	1860	99.5,99.5
170	22.76	22.90	23.73	24.04	24.10	23.93	23.62	22.94	160-170	7.182	1867	99.9,99.9
180	22.12	22.31	21.97	22.47	22.13	22.30	21.98	22.47	170-180	2.163	1870	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-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MF	SUR.:	Shielding Angle:



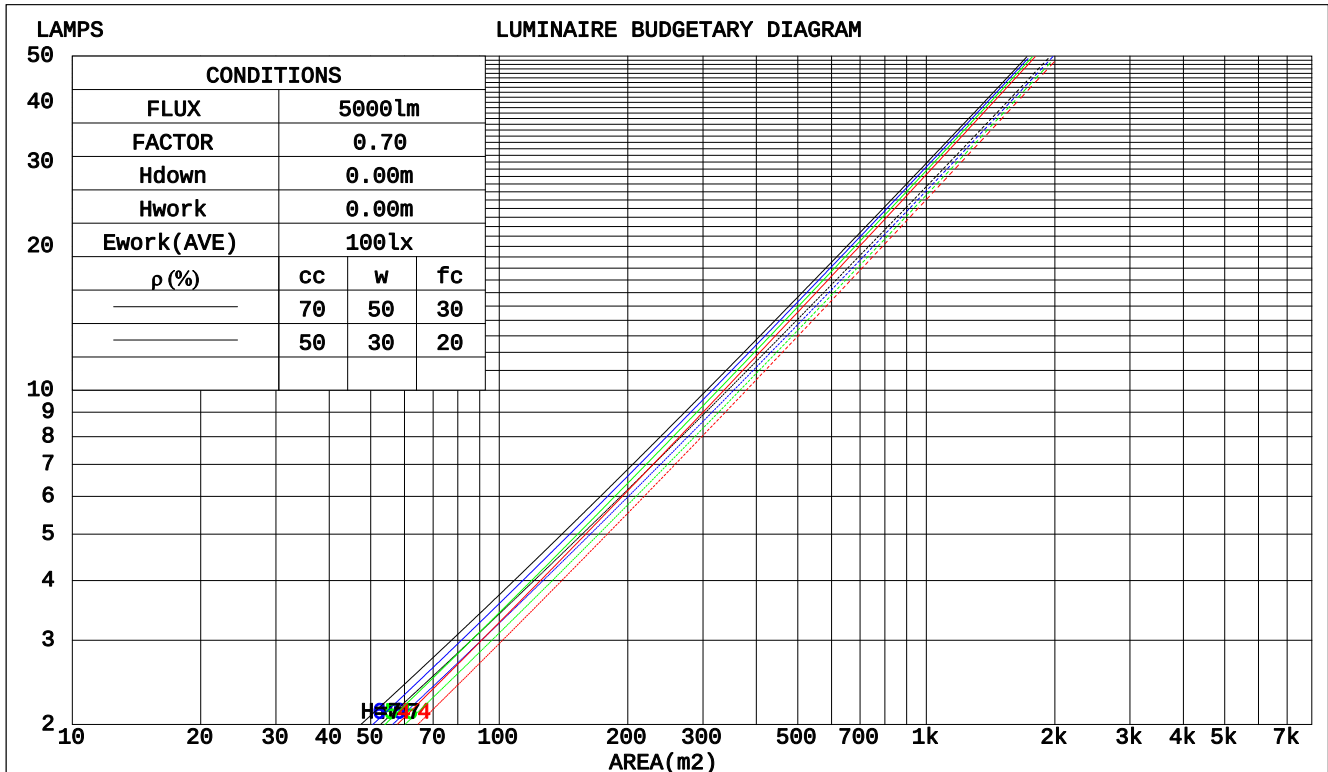
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-13

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-VF72RF01-20W	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	.98
1.0	1.11	1.09	1.07	1.09	1.07	1.06	1.05	1.03	1.02	1.01	.99	.98	.97	.96	.95	.93
2.0	1.05	1.02	.99	1.04	1.01	.98	.00	.98	.95	.97	.95	.93	.94	.92	.91	.89
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.90	.93	.91	.88	.91	.89	.87	.85
4.0	.95	.91	.88	.94	.90	.87	.92	.88	.86	.90	.87	.84	.88	.85	.83	.82
5.0	.91	.86	.83	.90	.86	.83	.88	.84	.82	.86	.83	.81	.85	.82	.80	.79
6.0	.87	.83	.79	.86	.82	.79	.85	.81	.78	.83	.80	.77	.82	.79	.77	.76
7.0	.84	.79	.76	.83	.79	.75	.82	.78	.75	.80	.77	.74	.79	.76	.74	.73
8.0	.81	.76	.73	.80	.76	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.69	.75	.72	.69	.74	.71	.69	.68
10.0	.75	.70	.67	.74	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.65



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-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
	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	.153	.087	.028	.145	.083	.026	.132	.075	.024	.119	.069	.022	.107	.062	.020		
2.0	.142	.078	.024	.136	.075	.023	.125	.069	.022	.114	.064	.020	.104	.059	.019		
3.0	.133	.071	.021	.128	.069	.021	.118	.064	.019	.109	.060	.018	.101	.056	.017		
4.0	.125	.065	.019	.121	.063	.019	.112	.060	.018	.105	.056	.017	.097	.053	.016		
5.0	.119	.060	.017	.115	.059	.017	.107	.056	.016	.100	.053	.016	.094	.050	.015		
6.0	.112	.056	.016	.109	.055	.016	.103	.053	.015	.096	.050	.015	.091	.048	.014		
7.0	.107	.053	.015	.104	.052	.015	.098	.050	.014	.093	.048	.014	.088	.046	.013		
8.0	.102	.050	.014	.099	.049	.014	.094	.047	.013	.090	.045	.013	.085	.044	.013		
9.0	.098	.047	.013	.095	.046	.013	.091	.045	.013	.086	.043	.012	.082	.042	.012		
10.0	.094	.045	.012	.092	.044	.012	.088	.043	.012	.084	.042	.012	.080	.040	.012		

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	.188	.176	.165	.161	.151	.142	.110	.104	.098	.063	.060	.057	.020	.019	.019	
2.0	.171	.151	.135	.147	.130	.117	.100	.090	.081	.058	.052	.048	.019	.017	.016	
3.0	.157	.132	.113	.135	.114	.098	.092	.079	.068	.053	.046	.040	.017	.015	.013	
4.0	.145	.117	.096	.125	.101	.083	.086	.071	.059	.050	.041	.035	.016	.013	.011	
5.0	.135	.105	.083	.116	.091	.072	.080	.064	.051	.046	.037	.030	.015	.012	.010	
6.0	.127	.095	.073	.109	.083	.063	.075	.058	.045	.044	.034	.027	.014	.011	.009	
7.0	.120	.088	.065	.103	.076	.057	.071	.053	.040	.041	.031	.024	.013	.010	.008	
8.0	.114	.081	.059	.098	.070	.051	.068	.049	.036	.039	.029	.022	.013	.010	.007	
9.0	.108	.076	.053	.093	.066	.047	.065	.046	.033	.038	.027	.020	.012	.009	.007	
10.0	.104	.071	.049	.089	.062	.043	.062	.043	.031	.036	.026	.018	.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-VF72RF01-20W						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		6.4	7.1	6.6	7.3	7.5	6.6	7.3	6.8	7.5	7.7
3H		7.2	7.9	7.5	8.1	8.3	7.4	8.1	7.7	8.3	8.5
4H		7.5	8.1	7.8	8.4	8.7	7.7	8.4	8.0	8.6	8.9
6H		7.7	8.3	8.0	8.6	8.9	7.9	8.5	8.3	8.8	9.1
8H		7.7	8.3	8.1	8.6	8.9	8.0	8.6	8.3	8.9	9.2
12H		7.7	8.3	8.1	8.6	8.9	8.0	8.6	8.4	8.9	9.2
4H	2H	6.7	7.3	7.0	7.6	7.8	6.8	7.5	7.1	7.7	8.0
	3H	7.7	8.2	8.0	8.5	8.9	7.8	8.4	8.2	8.7	9.0
	4H	8.1	8.6	8.5	8.9	9.3	8.3	8.8	8.7	9.1	9.5
	6H	8.4	8.8	8.8	9.2	9.6	8.6	9.0	9.0	9.4	9.8
	8H	8.4	8.8	8.8	9.2	9.6	8.7	9.1	9.1	9.5	9.9
	12H	8.4	8.8	8.9	9.2	9.6	8.7	9.1	9.2	9.5	9.9
8H	4H	8.2	8.6	8.6	9.0	9.4	8.4	8.8	8.8	9.2	9.6
	6H	8.5	8.9	9.0	9.3	9.8	8.8	9.1	9.2	9.6	10.0
	8H	8.6	9.0	9.1	9.4	9.9	8.9	9.2	9.4	9.7	10.2
	12H	8.7	8.9	9.2	9.4	9.9	9.0	9.2	9.5	9.7	10.2
12H	4H	8.2	8.6	8.6	9.0	9.4	8.3	8.7	8.8	9.1	9.6
	6H	8.5	8.9	9.0	9.3	9.8	8.8	9.1	9.2	9.5	10.0
	8H	8.7	8.9	9.2	9.4	9.9	8.9	9.2	9.4	9.7	10.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.6 / - 0.7					+ 0.7 / - 0.8				
1.5H		+ 1.4 / - 0.7					+ 1.5 / - 0.8				
2.0H		+ 0.7 / - 0.4					+ 0.9 / - 0.4				

CIE Pub.117, 1870 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.2$)

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-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

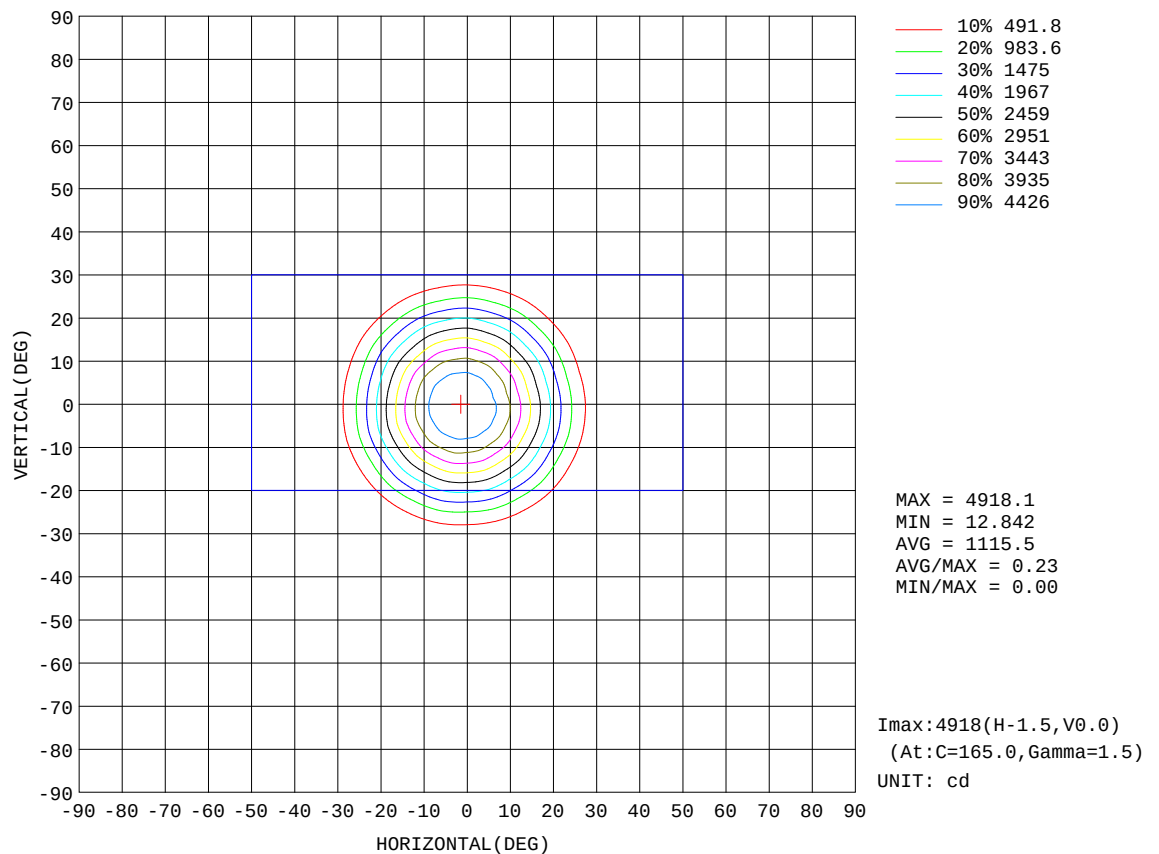
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	86	93	89	86	82
1.00	100	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	95	100	96	94	89
1.50	106	101	98	104	100	98	102	99	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	109	106	104	106	103	102	95
4.00	113	111	109	111	109	107	107	105	104	96
5.00	115	113	111	112	110	109	108	107	105	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-VF72RF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

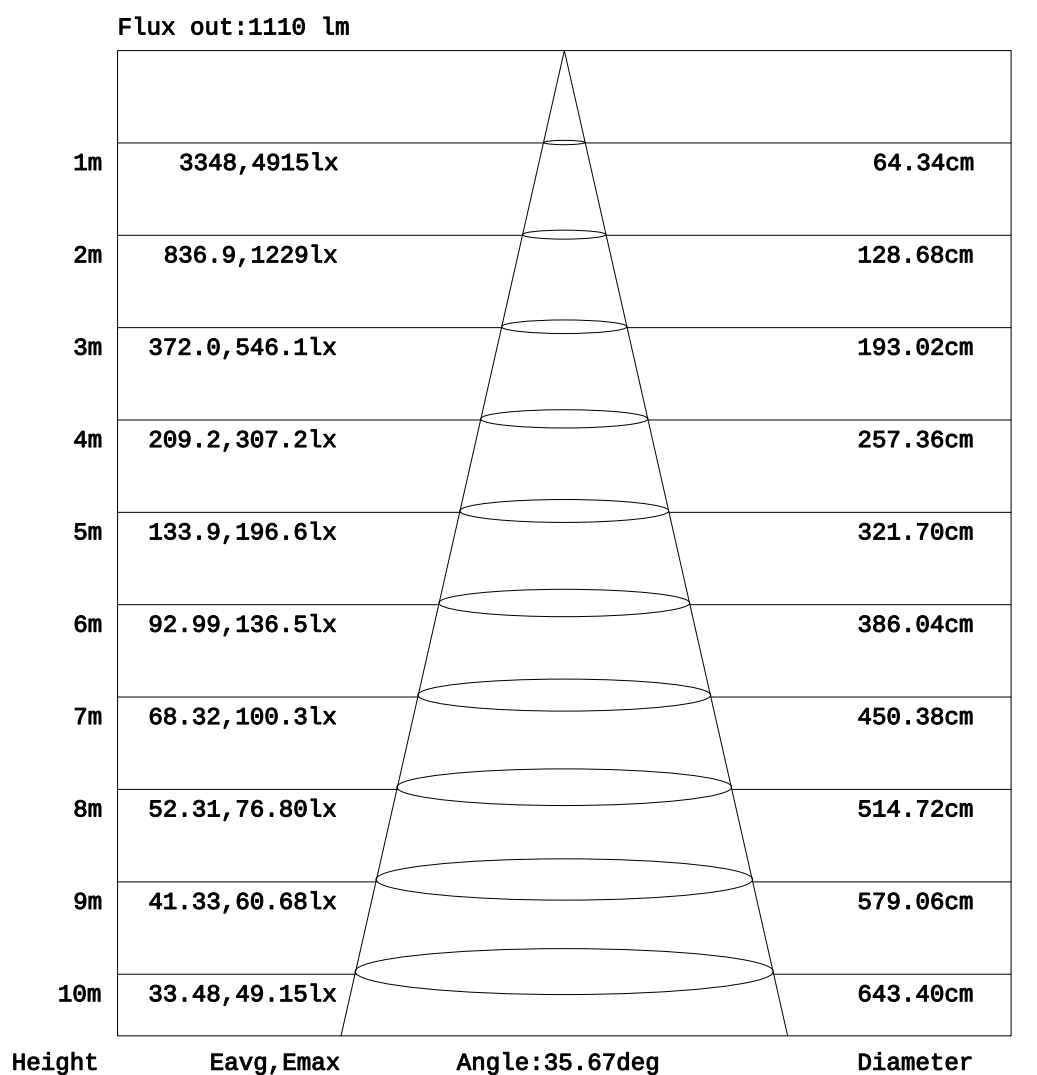


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-13

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-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



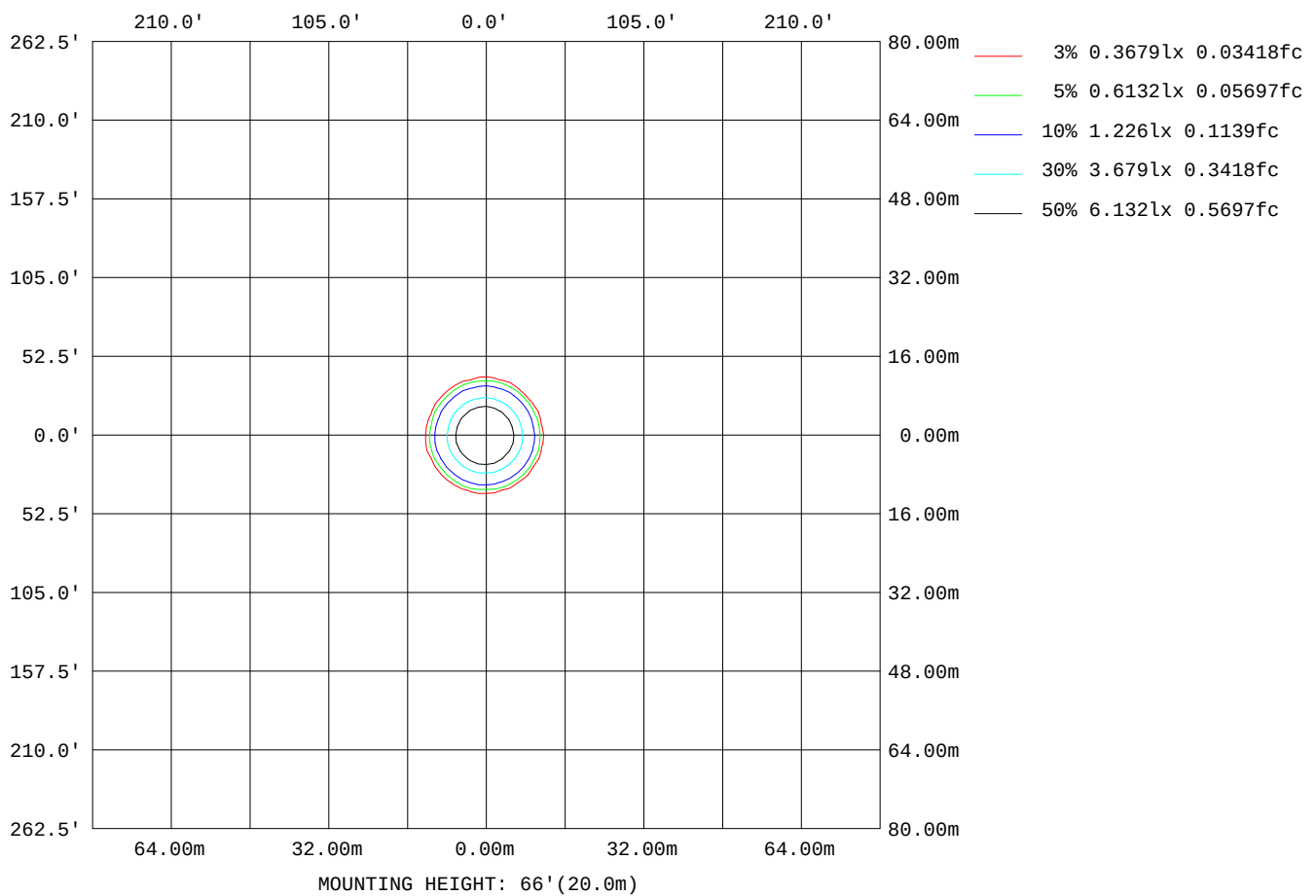
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF72RF01-20W	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-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

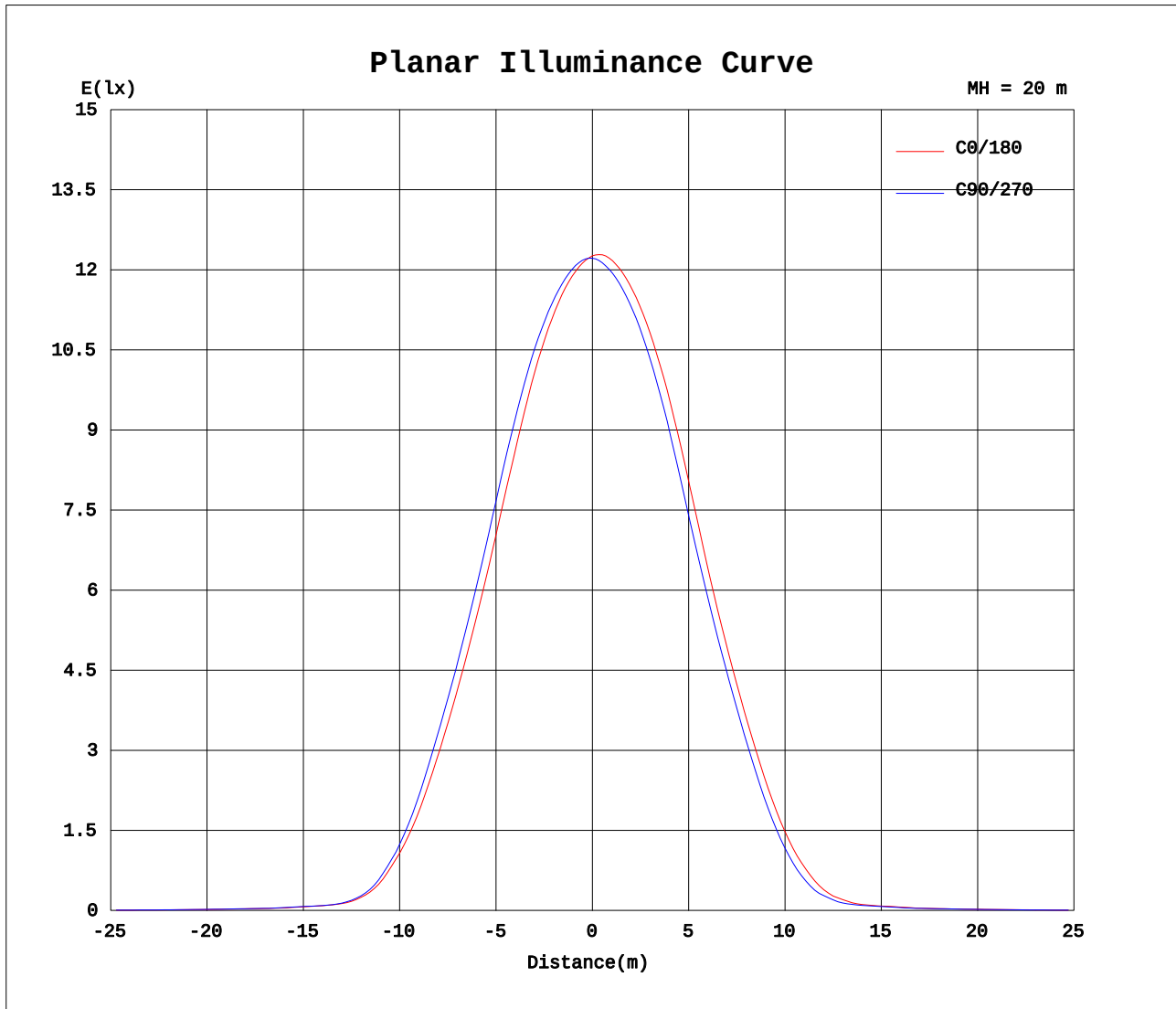
AvgL	cd/m2
L_0~180(65)av	3786
L_0~180(75)av	3029
L_0~180(85)av	1681
L_90~270(65)av	3750
L_90~270(75)av	2986
L_90~270(85)av	1791
L_45(65)av	3752
L_45(75)av	2991
L_45(85)av	1744

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-VF72RF01-20W	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	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889	4889
5	4595	4620	4623	4658	4660	4695	4705	4742	4751	4782	4781	4802	4776	4760	4756	4725	4708	4673	4661
10	3898	3955	3960	4030	4039	4112	4137	4217	4233	4296	4286	4316	4260	4227	4224	4155	4130	4060	4048
15	2864	2921	2927	3008	3027	3125	3150	3241	3255	3346	3337	3387	3301	3244	3245	3152	3142	3057	3034
20	1819	1873	1871	1941	1947	2038	2057	2143	2142	2218	2216	2264	2180	2133	2147	2068	2061	1981	1966
25	842	886	868	928	917	975	977	1069	1076	1150	1134	1190	1117	1077	1090	1023	1007	931	926
30	213	223	215	234	229	245	245	287	295	331	341	379	342	313	316	283	275	241	236
35	66.9	66.9	66.2	67.0	66.2	67.8	68.9	72.9	74.8	79.1	81.1	87.2	83.4	79.1	78.6	74.1	73.6	71.0	71.1
40	37.5	37.8	37.3	37.7	37.4	38.1	38.8	40.6	41.0	43.3	43.8	46.2	43.5	41.4	41.2	39.4	39.3	38.4	38.7
45	24.7	25.1	24.8	25.4	25.3	26.3	26.6	27.6	27.7	28.7	28.7	29.3	28.5	27.9	28.0	27.3	27.3	26.6	26.6
50	15.7	15.8	15.7	16.0	16.0	16.2	16.3	16.7	16.7	17.2	17.2	17.5	17.2	17.0	17.0	16.7	16.7	16.3	16.2
55	13.5	13.5	13.4	13.5	13.5	13.6	13.6	13.6	13.6	13.7	13.7	13.8	13.9	13.8	13.8	13.7	13.7	13.6	13.6
60	11.5	11.5	11.5	11.6	11.6	11.7	11.7	11.9	11.9	12.0	12.0	12.1	12.1	12.0	12.0	11.9	11.9	11.7	11.7
65	8.89	8.98	8.91	9.07	9.04	9.22	9.23	9.42	9.41	9.61	9.58	9.75	9.69	9.55	9.58	9.40	9.40	9.20	9.18
70	6.41	6.50	6.44	6.58	6.57	6.73	6.74	6.93	6.93	7.10	7.12	7.25	7.17	7.05	7.06	6.91	6.88	6.70	6.66
75	4.20	4.27	4.24	4.36	4.36	4.50	4.52	4.69	4.71	4.87	4.87	5.00	4.90	4.80	4.82	4.67	4.66	4.48	4.45
80	2.26	2.32	2.31	2.41	2.42	2.55	2.58	2.72	2.67	2.72	2.87	2.99	2.87	2.78	2.80	2.68	2.66	2.52	2.49
85	0.68	0.78	0.78	0.84	0.85	0.93	0.96	1.05	1.05	1.04	1.16	1.24	1.02	0.71	1.05	0.98	0.96	0.88	0.86
90	0.42	0.42	0.42	0.43	0.42	0.42	0.43	0.42	0.43	0.42	0.43	0.47	0.41	0.38	0.38	0.38	0.38	0.38	0.39
95	0.45	0.46	0.45	0.46	0.45	0.46	0.45	0.46	0.45	0.45	0.45	0.45	0.43	0.42	0.42	0.41	0.42	0.42	0.44
100	0.49	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.49	0.47	0.46	0.47	0.46	0.47	0.47	0.48
105	0.53	0.54	0.53	0.53	0.53	0.53	0.53	0.53	0.52	0.53	0.52	0.52	0.53	0.52	0.52	0.51	0.52	0.52	0.53
110	0.65	0.64	0.63	0.63	0.62	0.61	0.61	0.60	0.59	0.59	0.59	0.59	0.61	0.61	0.60	0.61	0.61	0.62	0.63
115	1.06	1.03	1.03	0.99	0.98	0.94	0.94	0.89	0.89	0.86	0.86	0.85	0.92	0.93	0.92	0.94	0.93	0.97	0.98
120	2.11	2.05	2.06	1.97	1.95	1.86	1.84	1.75	1.73	1.66	1.67	1.62	1.75	1.80	1.78	1.84	1.84	1.93	1.95
125	4.04	3.93	3.96	3.79	3.78	3.62	3.58	3.41	3.39	3.26	3.27	3.18	3.36	3.44	3.42	3.55	3.56	3.71	3.75
130	6.93	6.77	6.80	6.59	6.55	6.31	6.26	6.02	5.97	5.78	5.79	5.66	5.89	6.00	6.00	6.17	6.21	6.43	6.50
135	10.6	10.4	10.5	10.2	10.2	9.86	9.80	9.49	9.43	9.19	9.20	9.05	9.30	9.46	9.44	9.68	9.72	10.00	10.1
140	14.9	14.7	14.7	14.4	14.4	14.0	14.0	13.6	13.5	13.3	13.3	13.1	13.4	13.6	13.5	13.8	13.9	14.2	14.3
145	19.2	19.0	18.9	18.7	18.7	18.4	18.3	18.0	17.9	17.7	17.7	17.5	17.8	17.9	17.9	18.2	18.3	18.6	18.7
150	22.8	22.7	22.6	22.5	22.5	22.3	22.3	22.0	22.0	21.8	21.8	21.7	21.9	22.0	22.0	22.2	22.3	22.6	22.7
155	25.1	25.0	25.0	25.0	25.1	25.1	25.1	25.0	24.9	24.8	24.8	24.7	24.9	24.9	25.0	25.2	25.3	25.5	25.5
160	25.6	25.6	25.7	25.8	25.9	26.2	26.3	26.3	26.2	26.2	26.2	26.1	26.2	26.2	26.2	26.3	26.6	26.7	26.7
165	24.6	24.5	24.4	24.9	25.1	25.4	25.6	25.8	25.7	25.8	25.6	25.8	25.7	25.7	25.6	25.7	25.8	25.9	25.9
170	22.8	22.7	22.7	22.9	23.2	23.5	23.7	23.9	23.8	24.0	24.2	24.3	24.1	24.1	24.2	23.9	23.8	23.7	23.6
175	21.6	21.6	21.7	22.0	22.1	22.0	22.0	22.2	22.4	22.9	22.9	22.8	22.7	22.7	22.8	22.8	22.6	22.3	22.1
180	22.1	22.1	22.2	22.3	22.1	21.9	22.0	22.0	22.1	22.5	22.2	22.1	22.1	22.1	22.2	22.3	22.1	21.9	22.0

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-VF72RF01-20W	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	4889	4889	4889	4889	4889														
5	4629	4618	4590	4587	4570														
10	3979	3965	3899	3892	3851														
15	2941	2923	2849	2858	2810														
20	1871	1857	1785	1799	1761														
25	865	856	798	812	785														
30	218	217	191	200	194														
35	69.1	67.8	65.8	65.9	64.6														
40	38.1	37.9	37.1	36.9	36.4														
45	25.5	25.3	24.3	24.4	23.6														
50	15.9	15.8	15.6	15.5	15.4														
55	13.4	13.4	13.3	13.3	13.2														
60	11.5	11.5	11.3	11.3	11.2														
65	8.96	8.92	8.75	8.75	8.63														
70	6.47	6.43	6.27	6.27	6.17														
75	4.27	4.23	4.08	4.09	3.98														
80	2.34	2.29	2.16	2.15	2.08														
85	0.77	0.75	0.68	0.68	0.53														
90	0.38	0.38	0.38	0.38	0.37														
95	0.42	0.43	0.42	0.43	0.43														
100	0.48	0.48	0.47	0.48	0.47														
105	0.52	0.53	0.53	0.53	0.53														
110	0.63	0.64	0.65	0.66	0.68														
115	1.03	1.04	1.09	1.09	1.14														
120	2.05	2.06	2.17	2.18	2.26														
125	3.93	3.95	4.13	4.13	4.26														
130	6.74	6.80	7.03	7.02	7.18														
135	10.4	10.5	10.8	10.8	11.0														
140	14.6	14.7	15.0	15.0	15.2														
145	19.0	19.1	19.3	19.3	19.5														
150	22.9	22.9	23.1	23.0	23.2														
155	25.6	25.6	25.5	25.4	25.4														
160	26.6	26.4	26.1	25.9	25.9														
165	25.6	25.3	24.9	24.6	24.7														
170	23.5	23.2	22.9	22.8	22.8														
175	22.1	22.3	22.2	21.8	21.7														
180	22.0	22.1	22.5	22.2	22.1														

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: