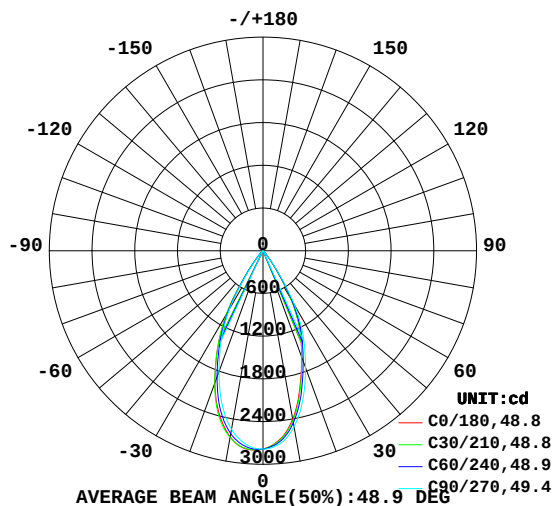


LUMINAIRE PHOTOMETRIC TEST REPORT

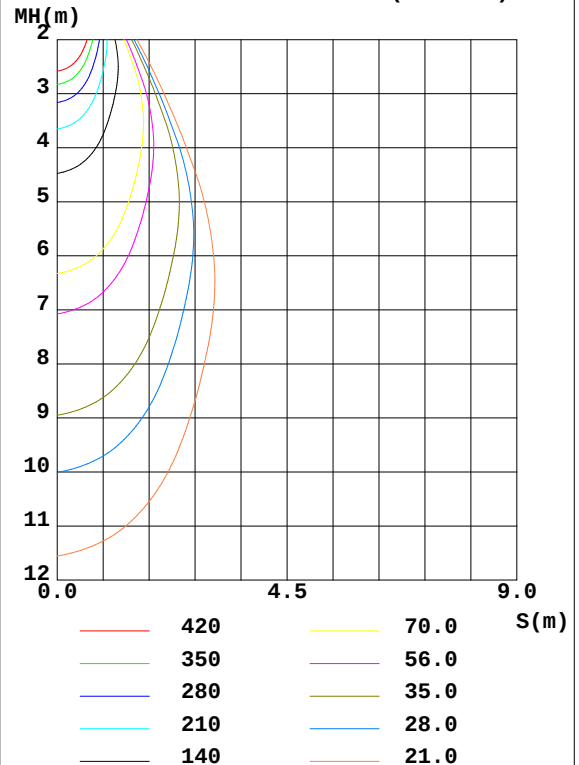
NAME: VM070-VF72RF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.46 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	2804	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)	1860.6	η UP, DN(C0-180)	1.2, 48.4
NOMINAL FLUX(lm)	1860.56	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 49.2
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	97.6	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:

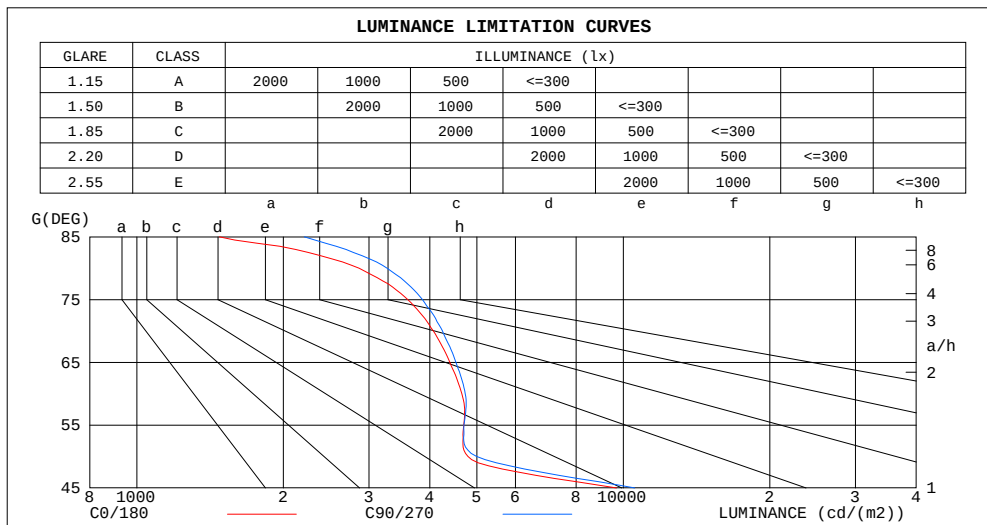
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2403	2447	2511	2621	2655	2634	2548	2440	0- 10	254.2	254.2	13.7,13.7
20	1589	1630	1745	1931	1979	1924	1807	1642	10- 20	607.8	861.9	46.3,46.3
30	797.1	834.0	900.4	1001	1017	986.5	935.7	830.2	20- 30	616.7	1479	79.5,79.5
40	104.9	108.6	114.9	149.5	156.4	141.5	123.0	103.9	30- 40	265.8	1745	93.8,93.8
50	17.78	18.21	18.64	19.81	19.54	18.77	18.22	17.55	40- 50	38.99	1784	95.9,95.9
60	13.44	13.65	13.75	13.92	13.90	13.82	13.69	13.31	50- 60	14.08	1798	96.6,96.6
70	8.031	8.283	8.443	8.717	8.676	8.525	8.321	7.901	60- 70	10.92	1809	97.2,97.2
80	2.869	3.069	3.297	3.448	3.607	3.414	3.187	2.781	70- 80	6.067	1815	97.5,97.5
90	0.4063	0.4079	0.4135	0.4100	0.3952	0.3682	0.3738	0.3657	80- 90	1.445	1816	97.6,97.6
100	0.5092	0.5115	0.4973	0.4900	0.4724	0.4627	0.4844	0.4831	90-100	0.4684	1817	97.6,97.6
110	1.244	1.198	1.139	1.032	1.029	1.061	1.114	1.231	100-110	0.7547	1817	97.7,97.7
120	3.780	3.662	3.452	3.119	3.034	3.143	3.338	3.718	110-120	2.082	1819	97.8,97.8
130	8.385	8.183	7.786	7.155	6.931	7.124	7.555	8.238	120-130	4.789	1824	98,98
140	14.26	14.04	13.59	12.78	12.49	12.77	13.31	14.12	130-140	8.053	1832	98.5,98.5
150	19.38	19.25	19.00	18.41	18.08	18.40	18.86	19.41	140-150	10.14	1842	99,99
160	21.75	21.88	22.34	21.94	21.73	21.93	22.45	22.09	150-160	9.526	1852	99.5,99.5
170	22.90	23.03	23.63	23.72	23.52	23.67	23.64	23.31	160-170	6.431	1858	99.9,99.9
180	24.36	24.61	24.48	24.83	24.37	24.60	24.48	24.83	170-180	2.279	1861	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1478	2209
80	2862	3268
75	3604	3863
70	4068	4248
65	4398	4526
60	4657	4732
55	4698	4702
50	4791	4990
45	9677	10553

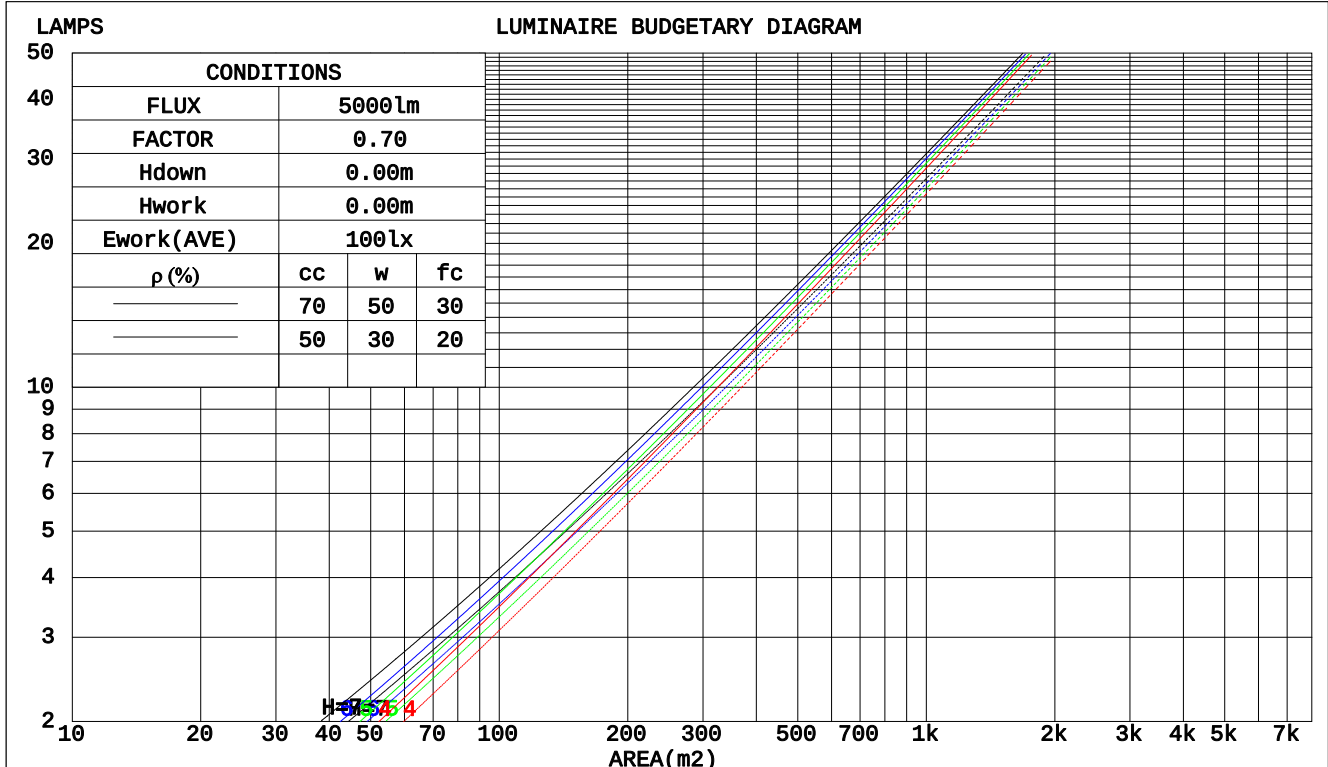
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-13

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-CRI90-55D	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	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.03	.00	.96	1.01	.98	.95	.98	.95	.93	.95	.92	.90	.91	.90	.88	.86
3.0	.97	.92	.89	.95	.91	.88	.92	.89	.86	.90	.87	.84	.87	.85	.83	.81
4.0	.91	.86	.82	.90	.85	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.86	.81	.77	.85	.80	.76	.83	.79	.75	.81	.77	.74	.79	.76	.73	.72
6.0	.81	.76	.72	.80	.75	.71	.79	.74	.71	.77	.73	.70	.76	.72	.69	.68
7.0	.77	.71	.67	.76	.71	.67	.75	.70	.67	.73	.69	.66	.72	.68	.66	.64
8.0	.73	.67	.64	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
9.0	.69	.64	.60	.69	.64	.60	.68	.63	.60	.67	.62	.59	.66	.62	.59	.58
10.0	.66	.61	.57	.66	.60	.57	.65	.60	.57	.64	.59	.56	.63	.59	.56	.55



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-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.171	.097	.031	.164	.094	.030	.150	.086	.027	.137	.079	.025	.125	.073	.023		
2.0	.162	.089	.027	.156	.086	.026	.144	.080	.025	.133	.075	.023	.123	.070	.022		
3.0	.154	.082	.024	.148	.079	.024	.138	.075	.023	.129	.071	.022	.120	.066	.021		
4.0	.146	.076	.022	.141	.074	.022	.132	.070	.021	.124	.067	.020	.116	.063	.019		
5.0	.138	.071	.020	.134	.069	.020	.127	.066	.019	.120	.063	.019	.113	.060	.018		
6.0	.132	.066	.019	.128	.065	.019	.122	.062	.018	.115	.060	.018	.109	.057	.017		
7.0	.126	.062	.018	.123	.061	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016		
8.0	.120	.059	.017	.118	.058	.016	.112	.056	.016	.107	.054	.016	.102	.053	.015		
9.0	.115	.056	.016	.113	.055	.015	.108	.053	.015	.103	.052	.015	.099	.050	.015		
10.0	.111	.053	.015	.109	.052	.015	.104	.051	.014	.100	.050	.014	.096	.048	.014		

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	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.189	.176	.164	.162	.151	.141	.111	.104	.097	.064	.060	.057	.020	.019	.018		
2.0	.173	.151	.132	.149	.130	.114	.102	.090	.080	.059	.052	.047	.019	.017	.015		
3.0	.161	.132	.109	.138	.114	.095	.095	.079	.067	.055	.046	.039	.018	.015	.013		
4.0	.150	.117	.092	.129	.101	.080	.089	.071	.057	.051	.041	.033	.016	.013	.011		
5.0	.141	.106	.080	.121	.091	.069	.083	.064	.049	.048	.038	.029	.016	.012	.010		
6.0	.133	.096	.070	.115	.083	.061	.079	.058	.043	.046	.034	.026	.015	.011	.008		
7.0	.127	.089	.062	.109	.077	.054	.075	.054	.038	.044	.032	.023	.014	.010	.008		
8.0	.121	.082	.056	.104	.071	.049	.072	.050	.035	.042	.030	.021	.014	.010	.007		
9.0	.116	.077	.051	.100	.067	.045	.069	.047	.032	.040	.028	.019	.013	.009	.006		
10.0	.111	.073	.047	.096	.063	.041	.067	.044	.029	.039	.026	.017	.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-VF72RF01-20W						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						14.5	15.4	14.8	15.6	15.8	15.1
3H						14.5	15.3	14.8	15.5	15.8	15.0
4H						14.5	15.3	14.8	15.5	15.8	15.0
6H						14.5	15.2	14.8	15.5	15.8	15.0
8H						14.4	15.1	14.8	15.4	15.7	15.0
12H						14.4	15.1	14.8	15.4	15.7	14.9
4H 2H						14.3	15.1	14.7	15.4	15.6	14.9
3H						14.4	15.0	14.7	15.3	15.7	14.9
4H						14.4	15.0	14.8	15.3	15.7	14.9
6H						14.4	14.9	14.8	15.3	15.7	14.9
8H						14.4	14.9	14.8	15.3	15.7	14.9
12H						14.3	14.8	14.8	15.2	15.6	14.9
8H 4H						14.3	14.8	14.8	15.2	15.6	14.8
6H						14.4	14.7	14.8	15.2	15.6	14.8
8H						14.3	14.7	14.8	15.1	15.6	14.8
12H						14.3	14.6	14.8	15.1	15.6	14.8
12H 4H						14.3	14.7	14.7	15.1	15.6	14.8
6H						14.3	14.7	14.8	15.1	15.6	14.8
8H						14.3	14.6	14.8	15.1	15.6	14.8
Variations with the observer position at spacings:											
S = 1.0H						+ 2.9 / - 3.3			+ 3.3 / - 3.5		
1.5H						+ 5.2 / - 3.4			+ 5.7 / - 3.6		
2.0H						+ 1.7 / - 0.5			+ 2.0 / - 0.5		

CIE Pub.117, 1861 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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

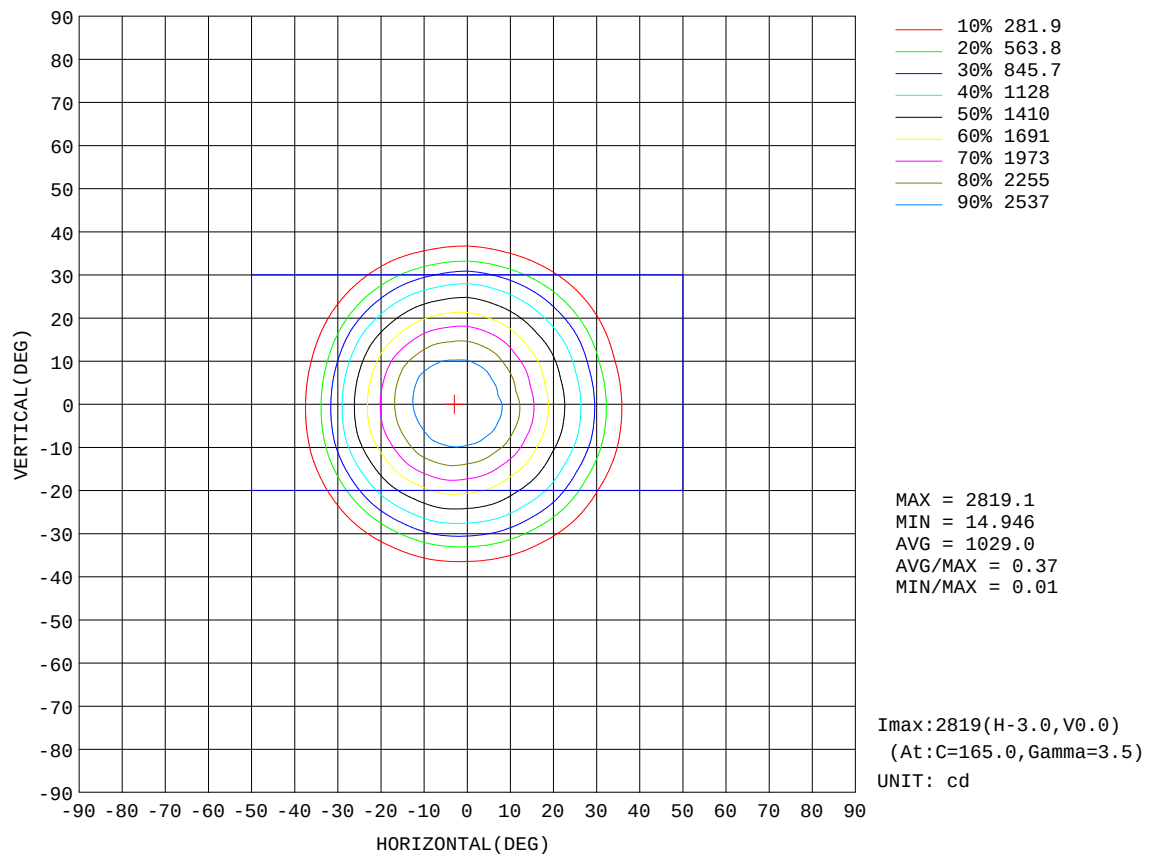
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	87	81	78	86	81	78	74
0.80	95	89	86	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	96	93	89	85
1.25	103	98	94	102	97	94	99	96	93	88
1.50	106	101	98	104	100	97	102	98	96	91
2.00	108	104	101	106	103	100	103	100	98	92
2.50	110	106	103	108	105	102	104	102	100	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	111	108	111	109	107	107	105	104	96
5.00	115	112	111	112	110	109	108	106	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

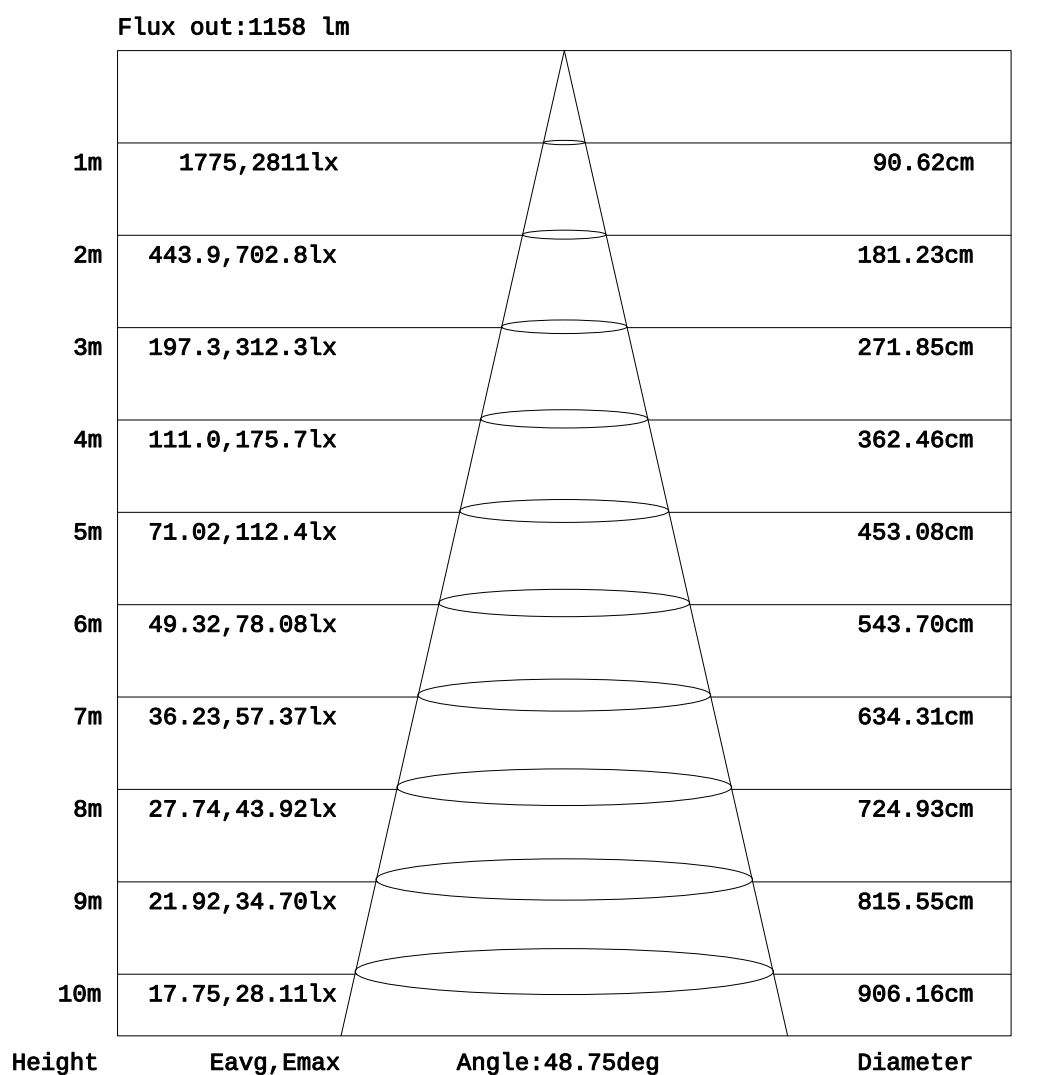


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-13

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-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



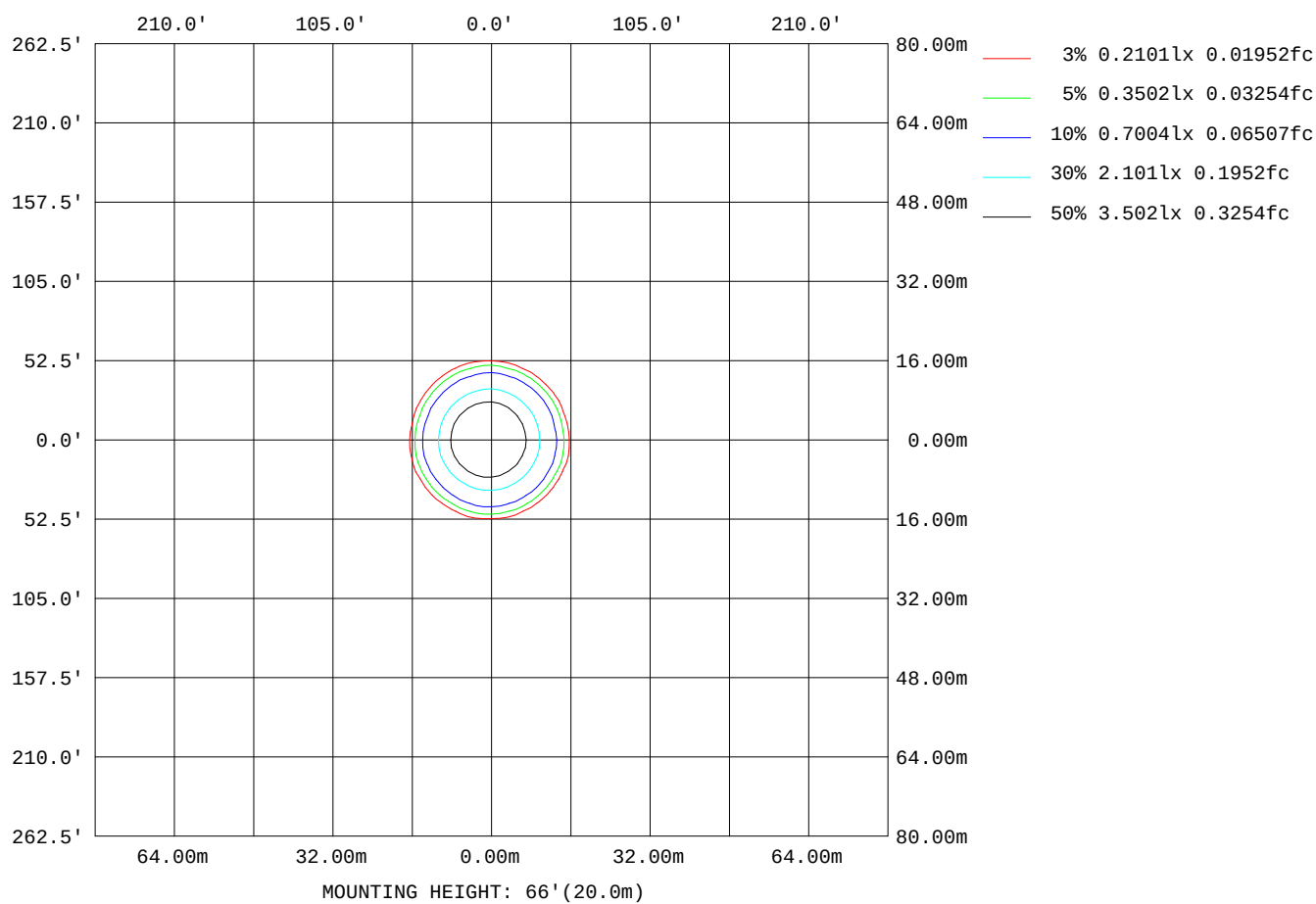
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF72RF01-20W	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
 γ 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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

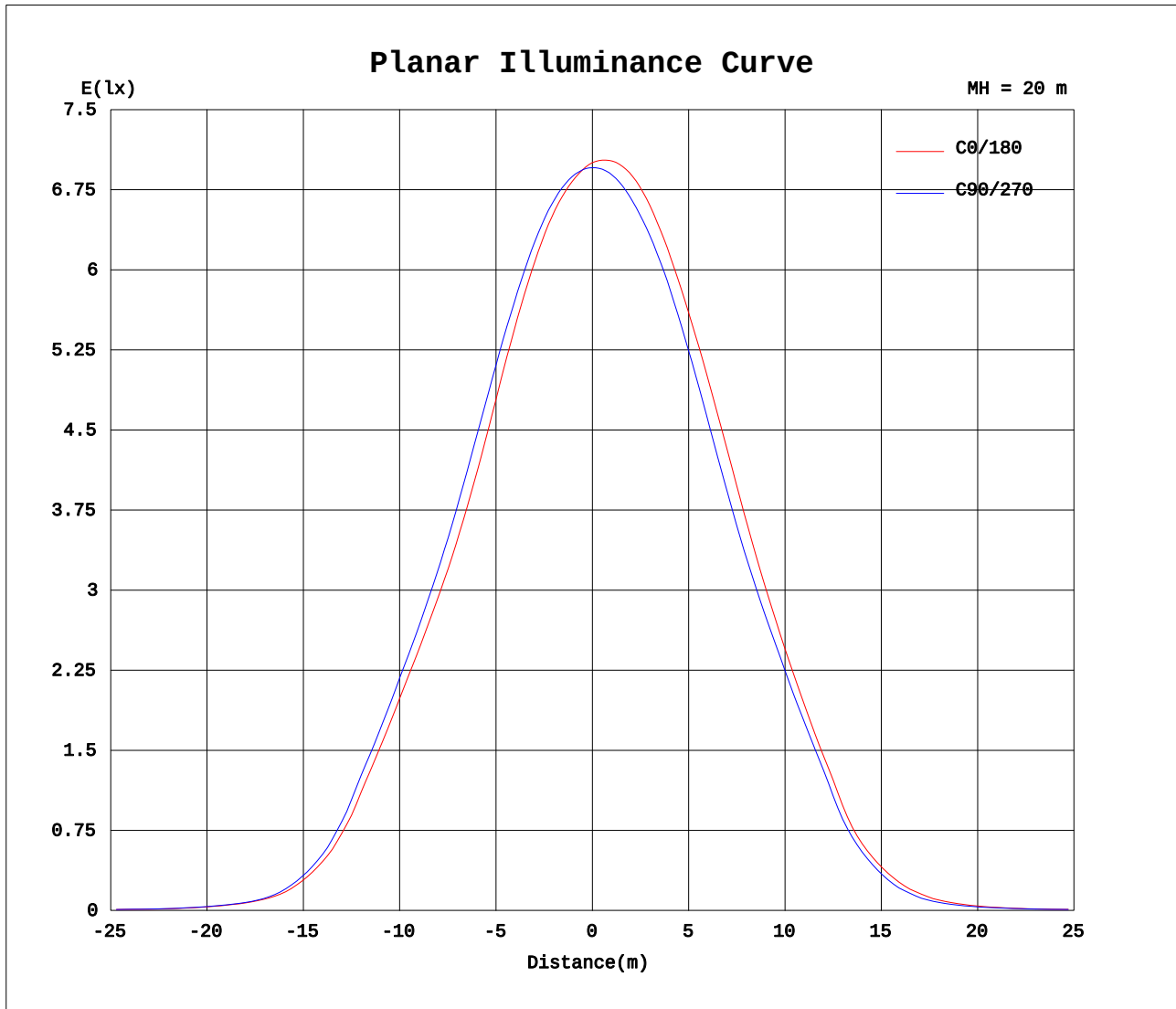
AvgL	cd/m2
L_0~180(65)av	4501
L_0~180(75)av	3819
L_0~180(85)av	1974
L_90~270(65)av	4513
L_90~270(75)av	3828
L_90~270(85)av	2115
L_45(65)av	4502
L_45(75)av	3818
L_45(85)av	2070

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-CRI90-55D	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	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786	2786
5	2666	2673	2676	2689	2693	2712	2723	2743	2754	2771	2780	2794	2793	2789	2786	2773	2761	2743	2730
10	2403	2417	2423	2447	2454	2487	2511	2557	2585	2621	2630	2654	2655	2659	2663	2634	2609	2565	2548
15	2002	2021	2022	2061	2076	2128	2165	2240	2286	2344	2356	2383	2376	2387	2400	2350	2313	2251	2228
20	1589	1599	1593	1630	1650	1709	1745	1818	1860	1931	1957	2001	1979	1973	1983	1924	1889	1830	1807
25	1227	1243	1229	1263	1274	1318	1345	1397	1415	1471	1493	1541	1512	1504	1507	1462	1439	1397	1391
30	797	821	800	834	839	878	900	950	959	1001	1018	1053	1017	1008	1018	987	964	928	936
35	332	344	328	345	348	369	384	413	418	446	468	479	453	448	447	432	425	399	400
40	105	110	105	109	107	111	115	131	130	149	152	167	156	145	154	141	144	125	123
45	39.5	42.6	42.4	44.6	43.0	43.6	43.4	45.7	46.6	49.5	50.7	51.7	48.3	46.4	45.7	45.1	45.0	40.8	39.8
50	17.8	17.9	17.9	18.2	18.2	18.6	18.6	19.3	19.2	19.8	19.7	20.4	19.5	19.1	19.3	18.8	18.7	18.3	18.2
55	15.6	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.8	15.7	15.8	15.7	15.7	15.8	15.7	15.7	15.6	15.6
60	13.4	13.5	13.5	13.7	13.6	13.8	13.7	13.9	13.8	13.9	13.9	14.0	13.9	13.8	13.9	13.8	13.8	13.7	13.7
65	10.7	10.9	10.8	11.0	11.0	11.1	11.1	11.3	11.2	11.4	11.3	11.5	11.4	11.3	11.4	11.2	11.2	11.1	11.0
70	8.03	8.15	8.11	8.28	8.27	8.45	8.44	8.59	8.57	8.72	8.68	8.81	8.68	8.59	8.66	8.53	8.53	8.35	8.32
75	5.38	5.49	5.46	5.62	5.62	5.80	5.81	5.98	5.97	6.13	6.10	6.25	6.09	6.00	6.06	5.92	5.93	5.72	5.69
80	2.87	2.95	2.94	3.07	3.10	3.27	3.30	3.47	3.40	3.45	3.63	3.77	3.61	3.52	3.55	3.41	3.40	3.23	3.19
85	0.74	0.88	0.86	0.96	0.97	1.09	1.12	1.26	1.26	1.25	1.41	1.53	1.25	0.83	1.30	1.20	1.19	1.05	1.02
90	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.58	0.40	0.37	0.37	0.37	0.36	0.37	0.37
95	0.44	0.44	0.43	0.44	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.48	0.40	0.39	0.40	0.39	0.40	0.40	0.41
100	0.51	0.51	0.51	0.51	0.50	0.51	0.50	0.50	0.49	0.49	0.49	0.49	0.47	0.46	0.46	0.46	0.47	0.47	0.48
105	0.72	0.71	0.71	0.70	0.70	0.68	0.68	0.65	0.65	0.63	0.63	0.63	0.63	0.63	0.62	0.63	0.63	0.65	0.66
110	1.24	1.22	1.24	1.20	1.19	1.15	1.14	1.09	1.07	1.03	1.03	1.00	1.03	1.05	1.03	1.06	1.05	1.10	1.11
115	2.26	2.22	2.24	2.17	2.16	2.07	2.06	1.96	1.94	1.84	1.84	1.79	1.81	1.85	1.82	1.88	1.88	1.97	1.98
120	3.78	3.73	3.77	3.66	3.64	3.50	3.45	3.30	3.26	3.12	3.10	3.02	3.03	3.08	3.06	3.14	3.15	3.29	3.34
125	5.85	5.79	5.83	5.68	5.65	5.44	5.37	5.16	5.08	4.89	4.86	4.71	4.74	4.79	4.76	4.89	4.92	5.11	5.20
130	8.39	8.30	8.36	8.18	8.14	7.89	7.79	7.51	7.40	7.16	7.09	6.90	6.93	6.99	6.97	7.12	7.20	7.42	7.56
135	11.3	11.2	11.2	11.0	11.0	10.7	10.6	10.3	10.1	9.84	9.76	9.55	9.57	9.65	9.62	9.82	9.89	10.2	10.3
140	14.3	14.2	14.2	14.0	14.0	13.7	13.6	13.3	13.1	12.8	12.7	12.5	12.5	12.6	12.6	12.8	12.8	13.2	13.3
145	17.1	17.0	17.0	16.9	16.8	16.6	16.5	16.2	16.0	15.7	15.6	15.5	15.4	15.5	15.5	15.7	15.8	16.1	16.2
150	19.4	19.3	19.3	19.2	19.2	19.0	19.0	18.8	18.6	18.4	18.3	18.1	18.1	18.1	18.2	18.4	18.5	18.7	18.9
155	20.9	20.9	20.9	21.0	21.0	21.0	21.1	20.9	20.7	20.5	20.5	20.3	20.2	20.3	20.3	20.5	20.7	20.9	21.0
160	21.8	21.7	21.8	21.9	22.0	22.2	22.3	22.3	22.1	21.9	22.0	21.9	21.7	21.8	21.8	21.9	22.1	22.4	22.5
165	22.3	22.2	22.2	22.5	22.7	22.9	23.0	23.1	23.0	22.9	22.9	22.9	22.7	22.8	22.8	22.8	22.9	23.1	23.2
170	22.9	22.8	22.9	23.0	23.3	23.5	23.6	23.7	23.6	23.7	23.9	23.9	23.5	23.7	23.7	23.7	23.6	23.6	23.6
175	23.6	23.6	23.7	23.9	24.0	23.9	23.9	24.0	24.2	24.5	24.5	24.4	24.1	24.2	24.4	24.4	24.3	24.2	24.1
180	24.4	24.4	24.5	24.6	24.5	24.4	24.5	24.5	24.6	24.8	24.7	24.6	24.4	24.4	24.5	24.6	24.5	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-VF72RF01-20W	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	2786	2786	2786	2786	2786													
5	2709	2696	2678	2671	2660													
10	2514	2484	2440	2415	2386													
15	2178	2136	2064	2037	1998													
20	1741	1701	1642	1628	1592													
25	1335	1296	1258	1252	1225													
30	888	854	830	822	783													
35	366	352	344	338	315													
40	106	103	104	102	96.7													
45	37.5	37.8	37.8	37.6	36.2													
50	17.8	17.8	17.6	17.6	17.5													
55	15.5	15.5	15.4	15.4	15.4													
60	13.5	13.5	13.3	13.3	13.2													
65	10.8	10.8	10.6	10.6	10.5													
70	8.11	8.08	7.90	7.93	7.82													
75	5.48	5.46	5.28	5.30	5.18													
80	3.00	2.94	2.78	2.78	2.67													
85	0.90	0.86	0.77	0.77	0.57													
90	0.37	0.37	0.37	0.37	0.37													
95	0.40	0.41	0.41	0.41	0.41													
100	0.48	0.49	0.48	0.50	0.49													
105	0.67	0.68	0.70	0.71	0.73													
110	1.17	1.18	1.23	1.25	1.30													
115	2.10	2.11	2.22	2.24	2.34													
120	3.49	3.55	3.72	3.76	3.88													
125	5.42	5.51	5.73	5.80	5.98													
130	7.83	7.96	8.24	8.33	8.54													
135	10.6	10.8	11.1	11.2	11.4													
140	13.7	13.8	14.1	14.2	14.4													
145	16.6	16.7	17.0	17.0	17.2													
150	19.1	19.2	19.4	19.4	19.5													
155	21.2	21.1	21.2	21.0	21.1													
160	22.4	22.3	22.1	21.9	21.9													
165	23.1	22.9	22.6	22.4	22.5													
170	23.7	23.5	23.3	23.2	23.2													
175	24.2	24.3	24.2	23.9	23.9													
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: