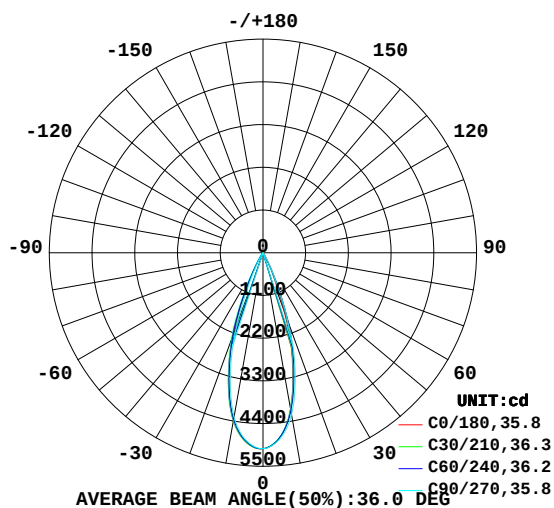


LUMINAIRE PHOTOMETRIC TEST REPORT

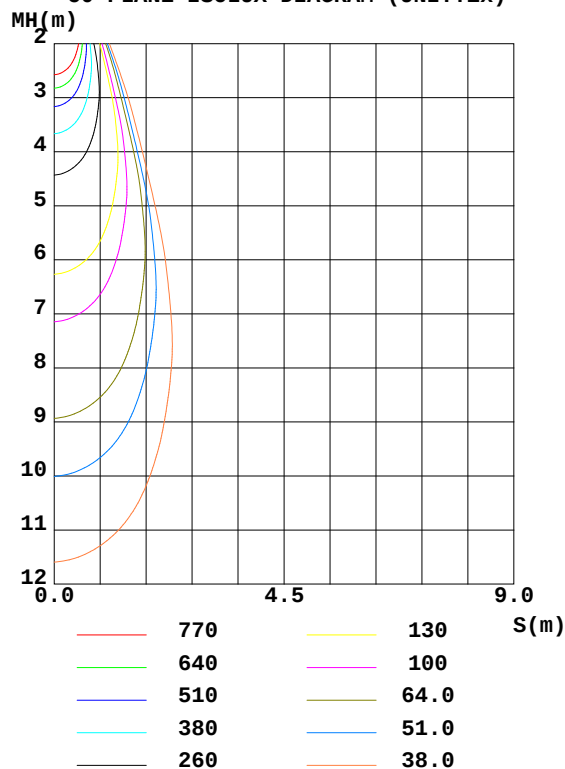
NAME: VM070-VF74SF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.33 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5052	S/MH(C0/180)	0.58
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.56
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1847.4	η UP, DN(C0-180)	1.2, 48.5
NOMINAL FLUX(lm)	1847.38	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 49.1
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: 2021-08-14

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:

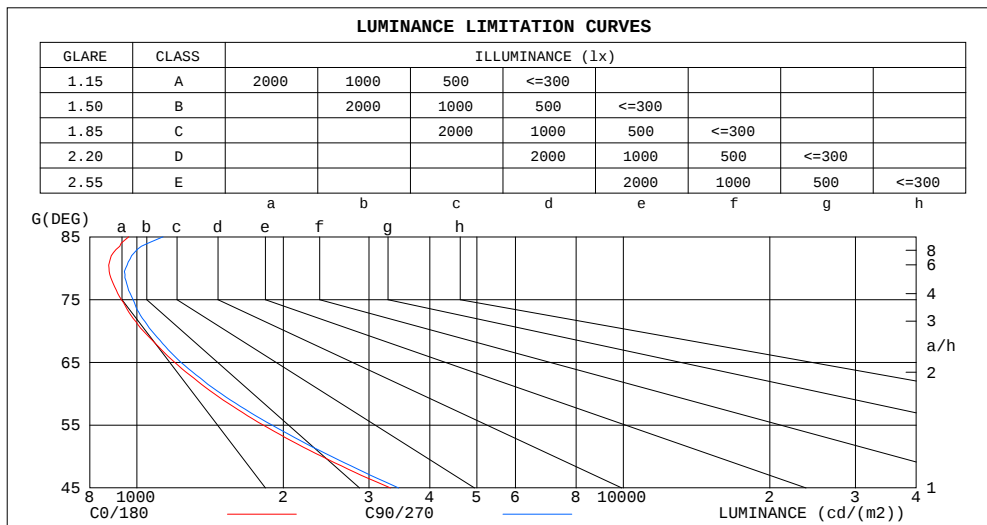
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4081	4135	4233	4371	4396	4344	4293	4116	0- 10	443.8	443.8	24,24
20	1612	1940	1865	2336	2216	2290	1955	1850	10- 20	871.5	1315	71.2,71.2
30	135.1	186.0	203.8	361.6	351.8	343.4	193.8	153.2	20- 30	414.7	1730	93.6,93.6
40	23.66	22.15	24.32	31.68	26.82	31.26	25.59	21.78	30- 40	48.87	1779	96.3,96.3
50	10.50	6.833	11.14	7.566	12.36	7.777	11.61	6.921	40- 50	11.80	1791	96.9,96.9
60	4.905	3.559	5.142	3.891	5.651	3.914	5.343	3.541	50- 60	5.935	1797	97.3,97.3
70	2.400	1.953	2.533	2.105	2.723	2.067	2.573	1.893	60- 70	3.229	1800	97.4,97.4
80	1.035	0.9598	1.136	0.9942	1.219	1.001	1.118	0.8822	70- 80	1.710	1802	97.5,97.5
90	0.3732	0.3715	0.3828	0.3806	0.3854	0.3476	0.3430	0.3295	80- 90	0.7074	1802	97.6,97.6
100	0.4102	0.4132	0.4137	0.4096	0.3994	0.3758	0.4050	0.3850	90-100	0.4103	1803	97.6,97.6
110	0.5342	0.5234	0.4798	0.4699	0.4738	0.4766	0.5003	0.5494	100-110	0.4583	1803	97.6,97.6
120	2.000	1.950	1.612	1.391	1.312	1.517	1.607	2.077	110-120	0.8865	1804	97.7,97.7
130	7.121	6.719	6.285	5.429	5.424	5.623	6.195	6.895	120-130	3.215	1807	97.8,97.8
140	15.27	14.80	14.22	13.11	13.02	13.30	14.07	15.00	130-140	7.615	1815	98.2,98.2
150	23.42	23.03	22.69	21.85	21.79	22.02	22.71	23.39	140-150	11.50	1826	98.9,98.9
160	26.04	26.06	26.60	26.40	26.47	26.58	27.10	26.45	150-160	11.58	1838	99.5,99.5
170	22.48	22.71	23.58	24.06	24.08	24.17	23.87	22.97	160-170	7.232	1845	99.9,99.9
180	21.97	22.28	21.98	22.37	22.02	22.24	22.00	22.34	170-180	2.160	1847	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:2021-08-14

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-VF74SF01-20W	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	962	1131
80	876	948
75	929	982
70	1031	1073
65	1196	1232
60	1441	1490
55	1819	1895
50	2400	2512
45	3322	3451

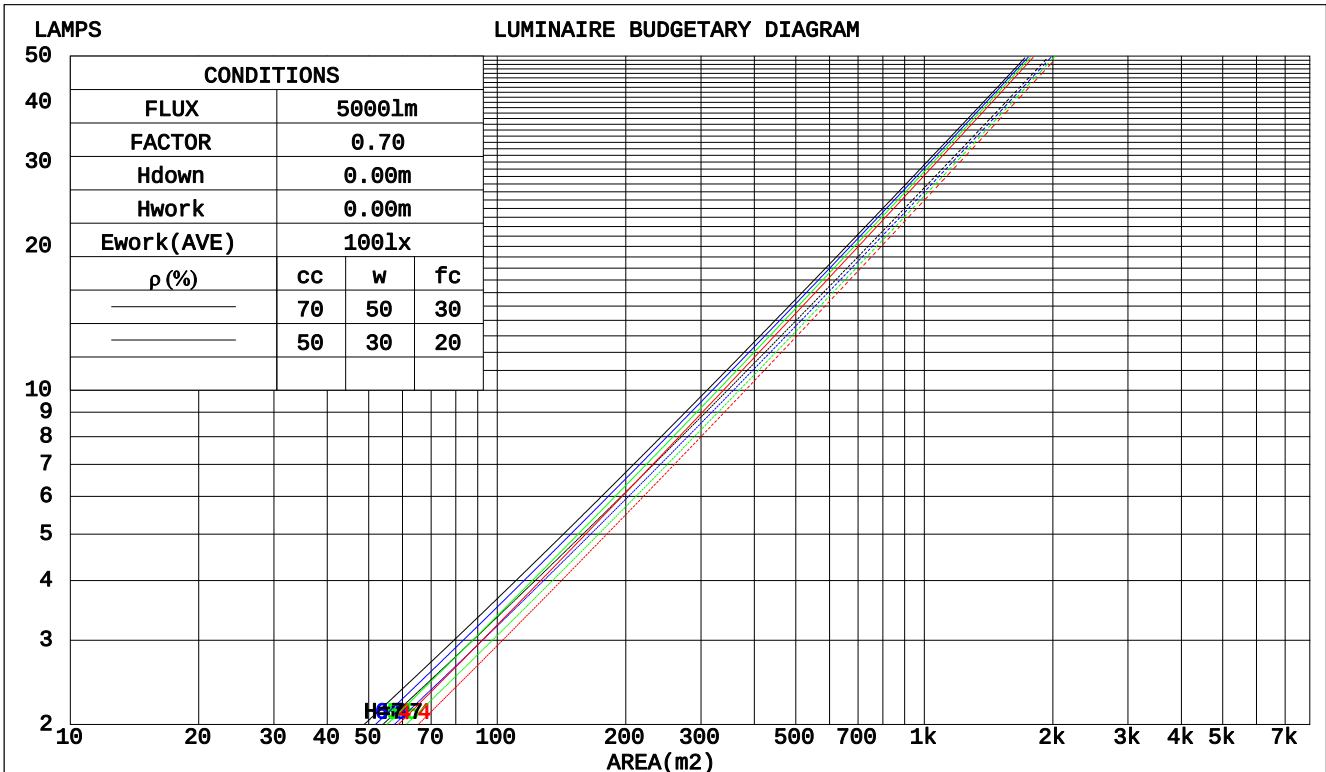
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-14

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-VF74SF01-20W	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	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	1.05	1.05	1.05	.00	.00	.00	.98
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	.96	.94
2.0	1.06	1.03	.00	1.04	1.01	.99	1.00	.98	.96	.97	.95	.94	.94	.93	.91	.90
3.0	1.01	.97	.94	.99	.96	.93	.96	.94	.91	.94	.91	.89	.91	.89	.88	.86
4.0	.96	.92	.89	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.86	.84	.83
5.0	.92	.88	.84	.91	.87	.84	.89	.86	.83	.87	.84	.82	.86	.83	.81	.80
6.0	.88	.84	.81	.88	.83	.80	.86	.82	.80	.84	.81	.79	.83	.80	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.78	.76	.80	.78	.75	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.77	.74	.71	.77	.73	.71	.76	.73	.70	.69
10.0	.76	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.73	.70	.68	.67



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-14

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-VF74SF01-20W	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	.148	.084	.027	.141	.080	.025	.127	.073	.023	.114	.066	.021	.102	.059	.019		
2.0	.138	.075	.023	.132	.072	.022	.120	.067	.021	.109	.061	.019	.099	.056	.018		
3.0	.129	.069	.021	.124	.066	.020	.114	.062	.019	.105	.057	.018	.096	.053	.016		
4.0	.121	.063	.019	.117	.061	.018	.108	.057	.017	.100	.054	.016	.093	.051	.015		
5.0	.115	.058	.017	.111	.057	.017	.103	.054	.016	.097	.051	.015	.090	.048	.014		
6.0	.109	.055	.016	.105	.053	.015	.099	.051	.015	.093	.048	.014	.087	.046	.014		
7.0	.104	.051	.015	.101	.050	.014	.095	.048	.014	.090	.046	.013	.085	.044	.013		
8.0	.099	.048	.014	.096	.047	.013	.091	.046	.013	.087	.044	.013	.082	.042	.012		
9.0	.095	.046	.013	.092	.045	.013	.088	.043	.012	.084	.042	.012	.080	.040	.012		
10.0	.091	.044	.012	.089	.043	.012	.085	.042	.012	.081	.040	.011	.077	.039	.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	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.188	.176	.166	.161	.151	.143	.110	.104	.099	.063	.060	.057	.020	.019	.019		
2.0	.171	.152	.136	.146	.130	.117	.100	.090	.082	.058	.052	.048	.019	.017	.016		
3.0	.156	.132	.113	.134	.114	.098	.092	.079	.069	.053	.046	.041	.017	.015	.013		
4.0	.144	.117	.096	.124	.101	.084	.085	.071	.059	.049	.041	.035	.016	.013	.011		
5.0	.134	.105	.084	.115	.091	.073	.079	.064	.051	.046	.037	.030	.015	.012	.010		
6.0	.126	.095	.073	.108	.083	.064	.075	.058	.045	.043	.034	.027	.014	.011	.009		
7.0	.119	.087	.065	.102	.076	.057	.071	.053	.040	.041	.031	.024	.013	.010	.008		
8.0	.112	.081	.059	.097	.070	.051	.067	.049	.037	.039	.029	.022	.013	.010	.007		
9.0	.107	.075	.054	.092	.065	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007		
10.0	.102	.071	.050	.088	.061	.043	.061	.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:2021-08-14

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-VF74SF01-20W						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	4.0	4.7	4.3	4.9	5.1	4.9	5.6	5.1	5.8	6.0	
3H	4.3	5.0	4.6	5.2	5.4	5.1	5.7	5.4	6.0	6.2	
4H	4.4	5.1	4.7	5.3	5.6	5.2	5.8	5.5	6.1	6.3	
6H	4.5	5.1	4.9	5.4	5.7	5.3	5.9	5.6	6.1	6.4	
8H	4.6	5.1	4.9	5.4	5.7	5.3	5.9	5.7	6.2	6.5	
12H	4.6	5.2	5.0	5.5	5.8	5.4	5.9	5.7	6.2	6.5	
4H 2H	4.0	4.6	4.3	4.8	5.1	4.8	5.4	5.1	5.7	5.9	
3H	4.3	4.9	4.7	5.2	5.5	5.1	5.6	5.4	5.9	6.2	
4H	4.5	5.0	4.9	5.4	5.7	5.2	5.7	5.6	6.1	6.4	
6H	4.7	5.2	5.1	5.5	5.9	5.4	5.8	5.8	6.2	6.6	
8H	4.8	5.2	5.3	5.6	6.0	5.5	5.9	5.9	6.3	6.7	
12H	4.9	5.3	5.3	5.7	6.1	5.6	5.9	6.0	6.4	6.8	
8H 4H	4.5	4.9	5.0	5.3	5.7	5.2	5.6	5.6	6.0	6.4	
6H	4.8	5.1	5.3	5.6	6.0	5.4	5.8	5.9	6.2	6.7	
8H	4.9	5.2	5.4	5.7	6.2	5.6	5.9	6.1	6.3	6.8	
12H	5.1	5.3	5.6	5.8	6.3	5.7	6.0	6.2	6.5	7.0	
12H 4H	4.5	4.9	4.9	5.3	5.7	5.2	5.5	5.6	5.9	6.4	
6H	4.8	5.1	5.3	5.5	6.0	5.4	5.7	5.9	6.2	6.7	
8H	5.0	5.2	5.5	5.7	6.2	5.6	5.8	6.1	6.3	6.8	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.1 / - 1.2					+ 1.4 / - 1.2					
1.5H	+ 2.0 / - 1.4					+ 2.4 / - 1.5					
2.0H	+ 2.4 / - 1.3					+ 2.4 / - 1.4					

CIE Pub.117, 1847 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.1$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-14

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-VF74SF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

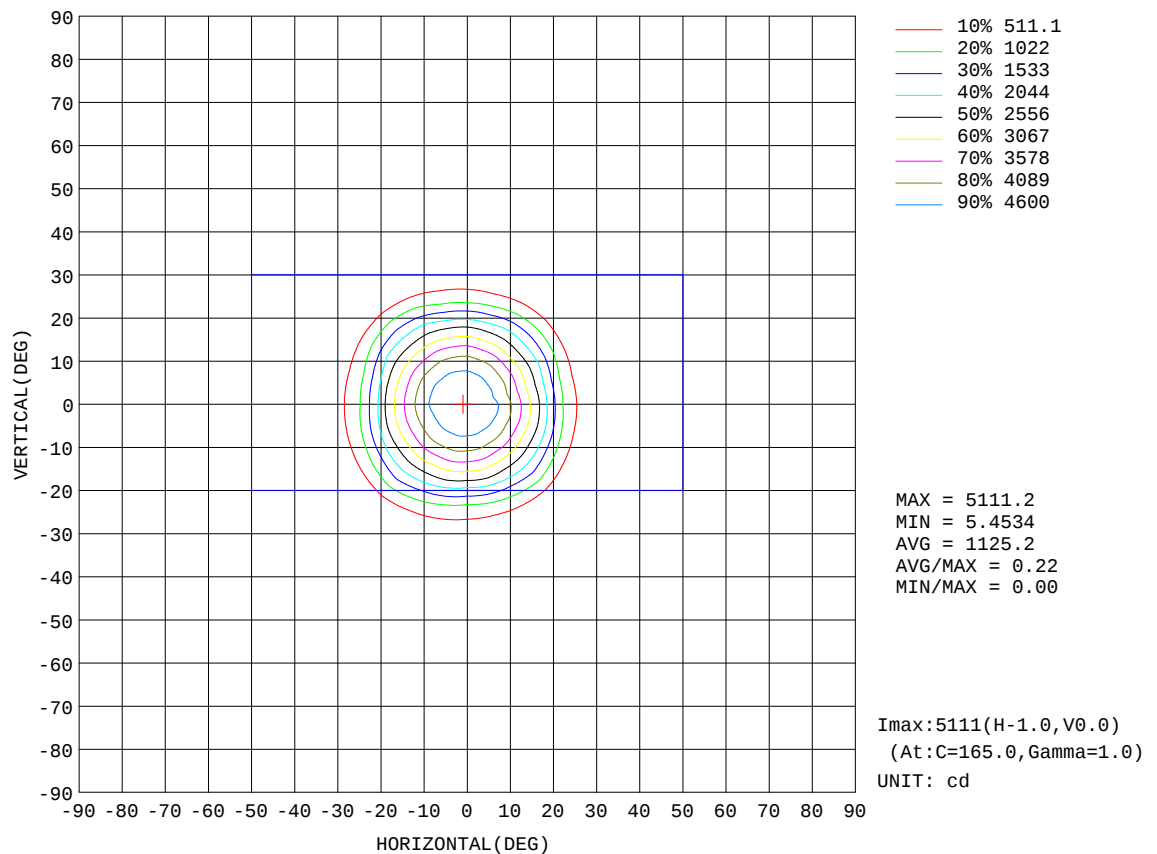
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	89	83	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	87	94	90	87	83
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	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	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										
SHRNM = 1.25										

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-14

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-VF74SF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

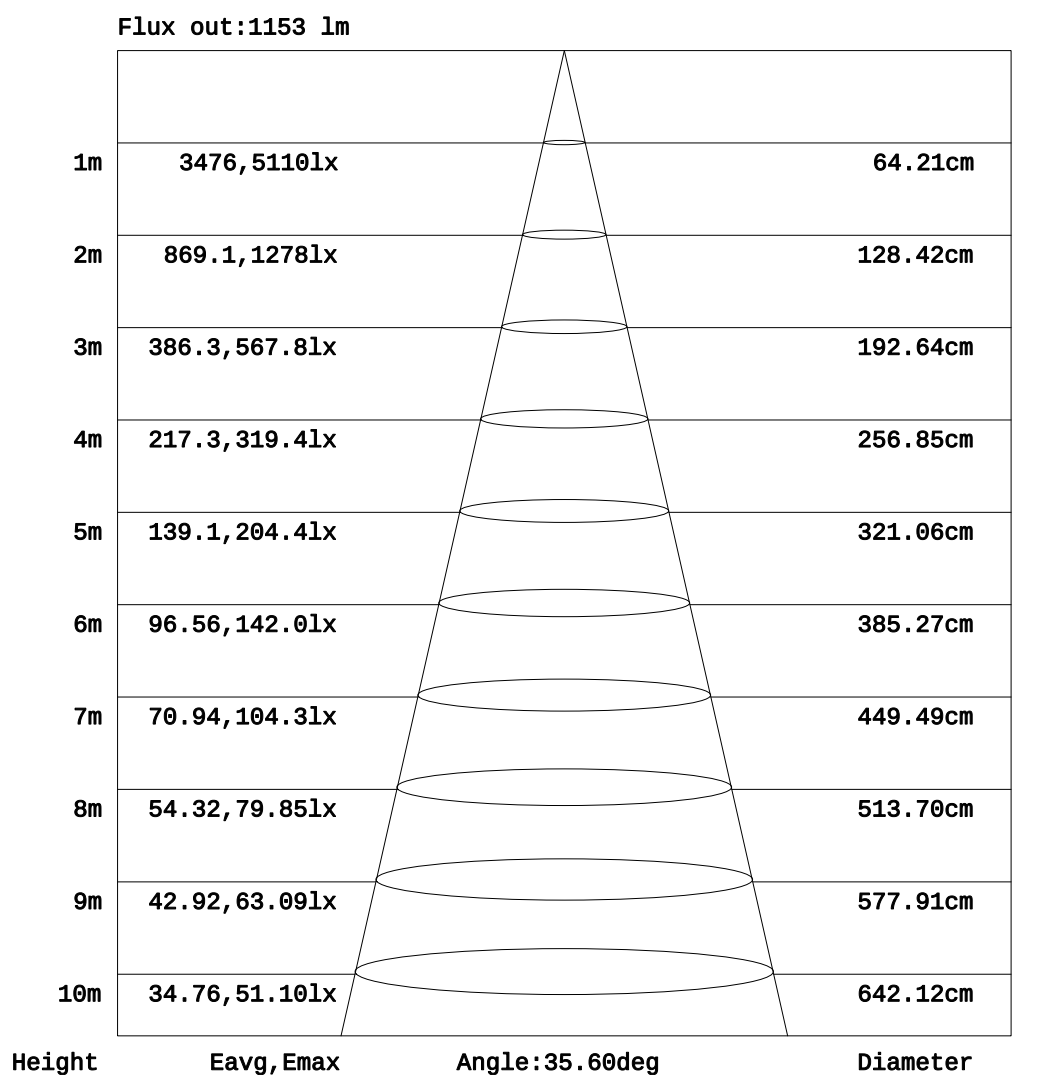


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-14

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-VF74SF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



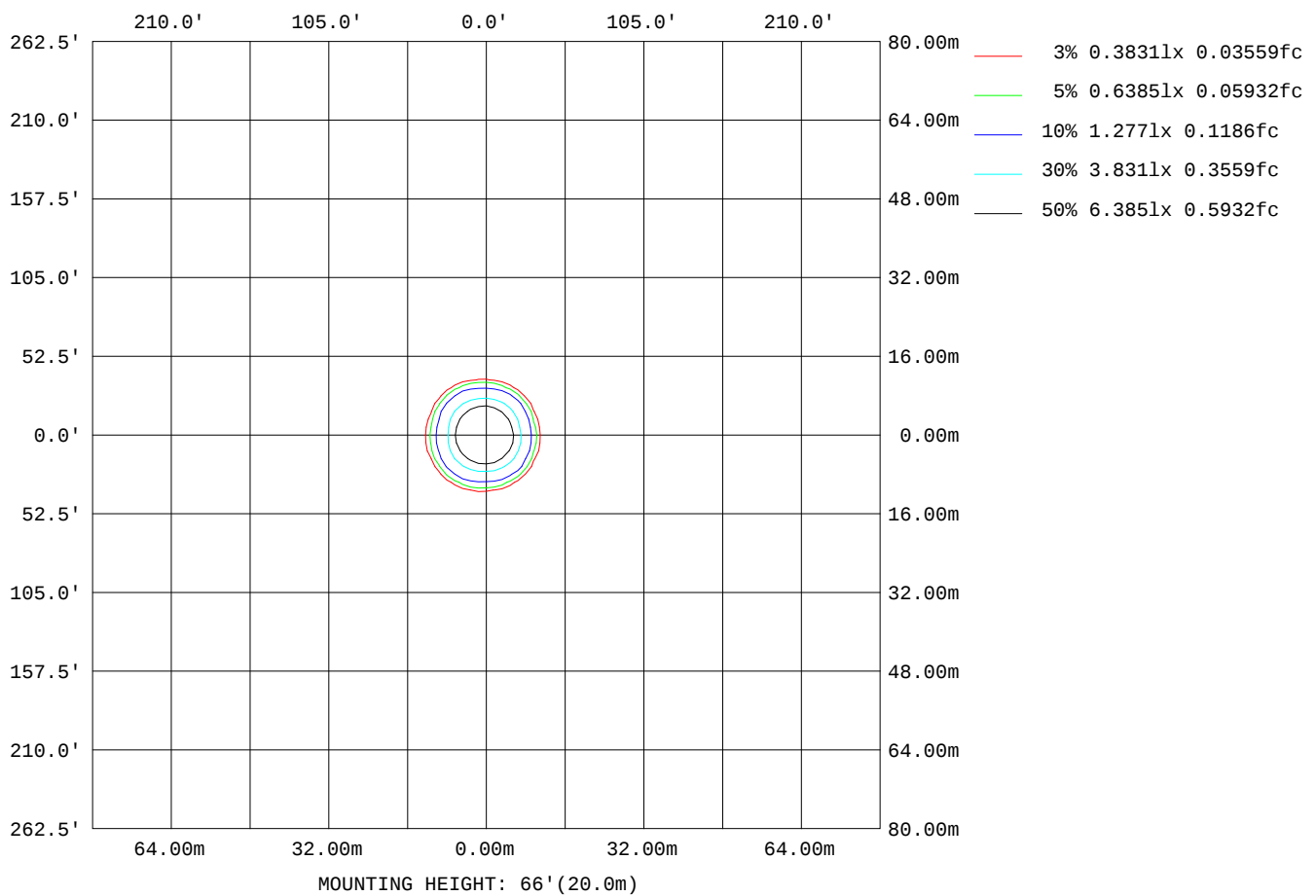
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-14

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-VF74SF01-20W	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: 2021-08-14

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-VF74SF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-38D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

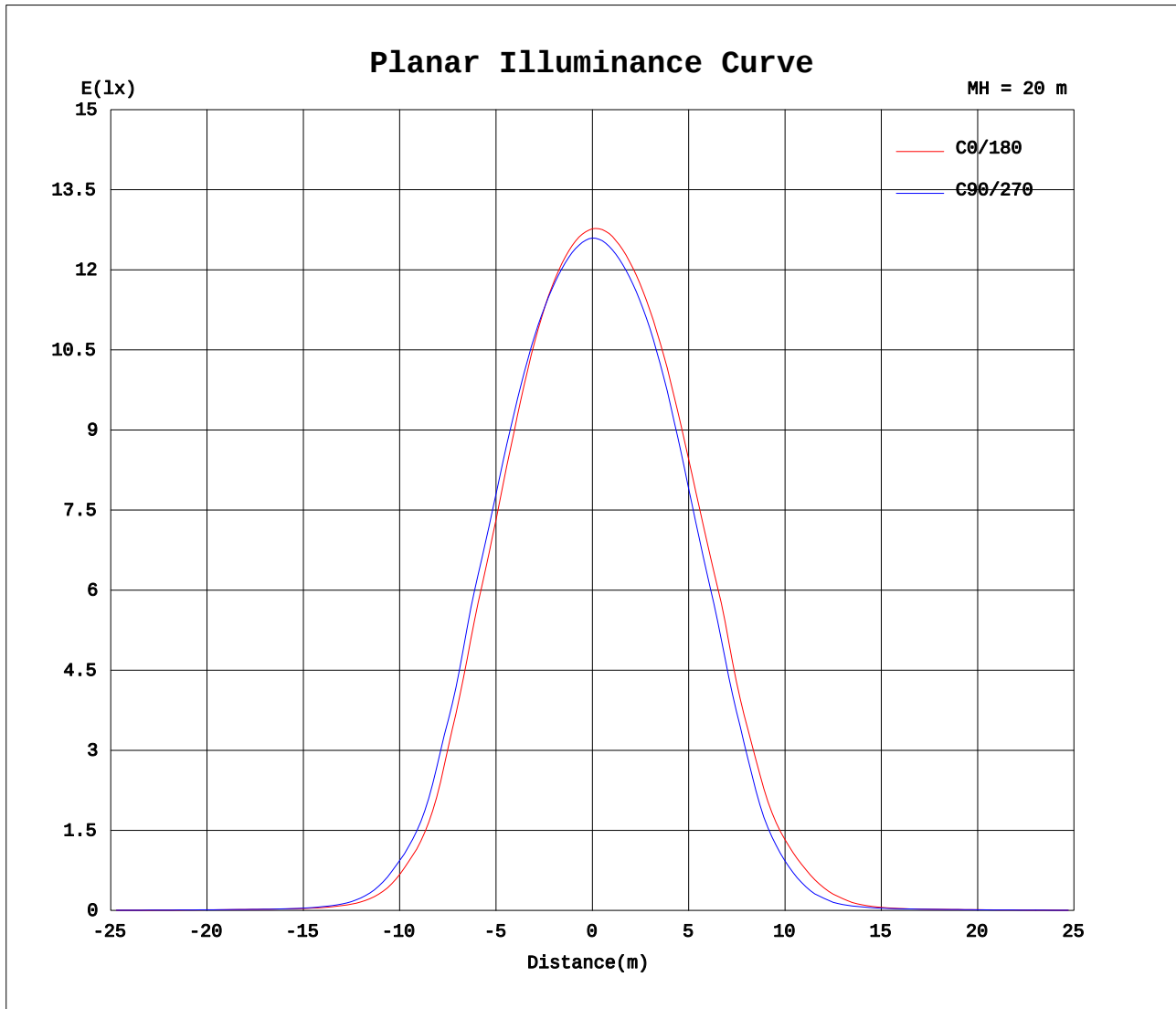
AvgL	cd/m2
L_0~180(65)av	1263
L_0~180(75)av	983
L_0~180(85)av	1056
L_90~270(65)av	1255
L_90~270(75)av	984
L_90~270(85)av	1102
L_45(65)av	938
L_45(75)av	807
L_45(85)av	978

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-14

γ Range: 0 - 180DEG
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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: 2021-08-14

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-vF74SF01-20W	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	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046	5046
5	4792	4803	4787	4803	4794	4823	4826	4855	4859	4891	4899	4921	4907	4895	4902	4884	4884	4861	4860
10	4081	4114	4089	4135	4133	4213	4233	4303	4315	4371	4379	4431	4396	4378	4387	4344	4352	4304	4293
15	2939	2992	2992	3063	3076	3173	3203	3304	3332	3435	3444	3505	3450	3424	3455	3386	3379	3278	3242
20	1612	1715	1825	1940	1933	1890	1865	2038	2221	2336	2353	2379	2216	2245	2372	2290	2266	2035	1955
25	548	573	663	811	750	709	719	827	1021	1263	1165	1097	972	997	1174	1229	1075	796	741
30	135	148	147	186	171	190	204	250	278	362	347	372	352	332	344	343	281	218	194
35	41.1	43.6	47.3	49.7	52.1	52.8	54.4	60.9	68.7	84.1	80.8	85.2	78.0	74.2	78.2	77.9	66.1	55.6	50.0
40	23.7	22.8	20.2	22.2	21.0	23.4	24.3	24.5	25.1	31.7	29.4	27.7	26.8	26.6	29.2	31.3	26.6	25.5	25.6
45	16.0	15.4	12.1	10.0	12.0	16.0	16.8	16.7	13.5	12.1	13.9	18.1	18.7	17.9	14.4	12.4	14.7	17.6	17.8
50	10.5	9.97	7.83	6.83	7.91	10.4	11.1	10.9	8.78	7.57	9.03	11.9	12.4	11.7	9.32	7.78	9.45	11.4	11.6
55	7.10	6.69	5.38	4.88	5.46	6.97	7.50	7.28	5.92	5.38	6.13	7.88	8.31	7.74	6.26	5.47	6.30	7.54	7.79
60	4.90	4.64	3.84	3.56	3.89	4.80	5.14	4.98	4.16	3.89	4.31	5.36	5.65	5.25	4.37	3.91	4.38	5.15	5.34
65	3.44	3.28	2.79	2.63	2.83	3.38	3.59	3.49	3.00	2.85	3.11	3.75	3.92	3.64	3.12	2.84	3.12	3.58	3.71
70	2.40	2.32	2.03	1.95	2.08	2.41	2.53	2.47	2.17	2.10	2.27	2.66	2.72	2.55	2.24	2.07	2.24	2.50	2.57
75	1.64	1.60	1.44	1.41	1.49	1.69	1.75	1.73	1.56	1.53	1.61	1.87	1.87	1.76	1.59	1.48	1.58	1.71	1.75
80	1.04	1.03	0.96	0.96	1.00	1.11	1.14	1.15	1.06	0.99	1.03	1.25	1.22	1.16	1.07	1.00	1.05	1.10	1.12
85	0.57	0.60	0.58	0.59	0.62	0.66	0.68	0.70	0.67	0.61	0.63	0.77	0.70	0.57	0.64	0.63	0.64	0.65	0.64
90	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.40	0.44	0.39	0.36	0.35	0.35	0.34	0.34	0.34
95	0.39	0.40	0.38	0.40	0.39	0.40	0.39	0.40	0.38	0.39	0.38	0.40	0.37	0.35	0.35	0.34	0.36	0.35	0.37
100	0.41	0.42	0.41	0.41	0.41	0.42	0.41	0.42	0.40	0.41	0.40	0.42	0.40	0.38	0.39	0.38	0.39	0.38	0.40
105	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.42	0.43	0.42	0.43	0.42	0.43	0.41	0.42	0.41	0.42	0.44
110	0.53	0.53	0.53	0.52	0.51	0.50	0.48	0.48	0.46	0.47	0.46	0.47	0.47	0.47	0.47	0.48	0.48	0.48	0.50
115	0.92	0.92	0.95	0.92	0.89	0.78	0.74	0.71	0.70	0.68	0.66	0.63	0.66	0.68	0.70	0.74	0.73	0.75	0.76
120	2.00	1.98	2.04	1.95	1.91	1.71	1.61	1.49	1.47	1.39	1.35	1.25	1.31	1.39	1.43	1.52	1.52	1.58	1.61
125	4.09	4.01	4.03	3.86	3.83	3.56	3.46	3.20	3.11	2.92	2.87	2.73	2.87	2.95	2.95	3.09	3.13	3.31	3.42
130	7.12	6.99	6.98	6.72	6.71	6.40	6.28	5.91	5.74	5.43	5.38	5.22	5.42	5.48	5.44	5.62	5.72	6.02	6.19
135	10.9	10.8	10.8	10.5	10.4	10.1	9.97	9.52	9.29	8.91	8.85	8.66	8.88	8.95	8.88	9.09	9.22	9.63	9.84
140	15.3	15.1	15.1	14.8	14.8	14.4	14.2	13.8	13.5	13.1	13.0	12.8	13.0	13.1	13.0	13.3	13.4	13.9	14.1
145	19.7	19.5	19.5	19.2	19.2	18.8	18.7	18.3	18.0	17.6	17.5	17.3	17.5	17.6	17.5	17.8	17.9	18.3	18.6
150	23.4	23.3	23.2	23.0	23.0	22.8	22.7	22.4	22.2	21.9	21.8	21.6	21.8	21.8	21.8	22.0	22.2	22.5	22.7
155	25.7	25.5	25.5	25.5	25.5	25.5	25.5	25.4	25.2	25.0	25.0	24.8	25.0	25.0	25.0	25.2	25.4	25.7	25.8
160	26.0	26.0	25.9	26.1	26.2	26.5	26.6	26.6	26.4	26.4	26.4	26.4	26.5	26.5	26.5	26.6	26.8	27.0	27.1
165	24.6	24.5	24.4	24.8	25.1	25.5	25.7	25.9	25.8	25.9	25.8	26.0	26.0	26.0	26.0	26.0	26.1	26.2	26.2
170	22.5	22.5	22.5	22.7	23.0	23.4	23.6	23.8	23.8	24.1	24.2	24.3	24.1	24.3	24.4	24.2	24.0	23.9	23.9
175	21.4	21.5	21.5	21.9	21.9	21.9	21.9	22.1	22.4	22.8	22.8	22.7	22.5	22.6	22.9	22.9	22.8	22.4	22.3
180	22.0	22.0	22.1	22.3	22.1	21.9	22.0	21.9	22.0	22.4	22.2	22.0	22.0	22.0	22.2	22.2	22.1	21.9	22.0

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-14

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-VF74SF01-20W	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	5046	5046	5046	5046	5046														
5	4833	4826	4797	4798	4774														
10	4220	4194	4116	4098	4039														
15	3128	3093	2994	2980	2889														
20	1871	1953	1850	1789	1607														
25	686	782	738	649	529														
30	165	171	153	148	127														
35	48.0	51.0	51.2	48.0	41.0														
40	23.8	21.8	21.8	20.7	22.4														
45	16.3	12.5	10.1	12.4	15.0														
50	10.5	8.16	6.92	8.07	9.73														
55	6.96	5.56	4.90	5.50	6.53														
60	4.79	3.96	3.54	3.89	4.52														
65	3.36	2.86	2.59	2.81	3.17														
70	2.36	2.06	1.89	2.02	2.22														
75	1.62	1.45	1.34	1.41	1.51														
80	1.04	0.95	0.88	0.92	0.95														
85	0.61	0.56	0.53	0.55	0.49														
90	0.34	0.33	0.33	0.34	0.33														
95	0.36	0.37	0.35	0.37	0.36														
100	0.39	0.40	0.39	0.40	0.39														
105	0.42	0.43	0.42	0.44	0.43														
110	0.51	0.53	0.55	0.55	0.56														
115	0.84	0.91	1.00	0.99	1.01														
120	1.80	1.91	2.08	2.10	2.16														
125	3.66	3.77	4.02	4.07	4.24														
130	6.50	6.60	6.89	7.01	7.28														
135	10.2	10.3	10.6	10.8	11.1														
140	14.5	14.6	15.0	15.2	15.5														
145	19.0	19.1	19.4	19.6	19.9														
150	23.0	23.2	23.4	23.4	23.6														
155	25.9	25.9	25.9	25.8	25.8														
160	27.0	26.8	26.5	26.3	26.2														
165	25.9	25.6	25.1	24.8	24.7														
170	23.6	23.4	23.0	22.9	22.7														
175	22.2	22.3	22.2	21.9	21.6														
180	21.9	22.0	22.3	22.2	22.0														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-14

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: