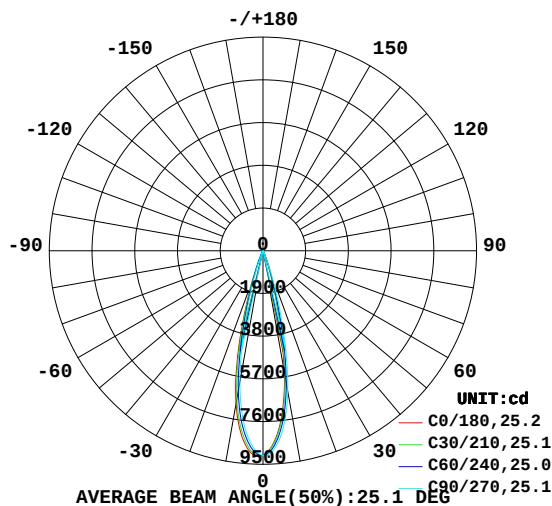


LUMINAIRE PHOTOMETRIC TEST REPORT

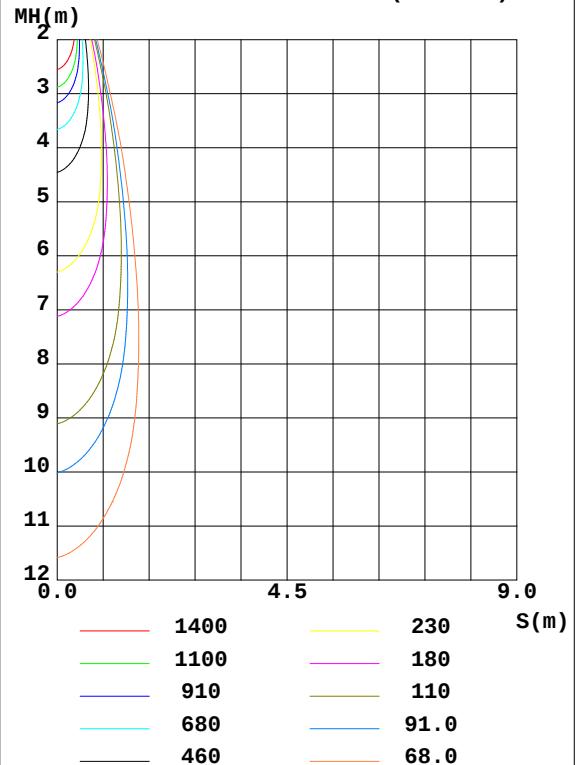
NAME: VM070-VF74SF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.34 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	9189	S/MH(C0/180)	0.44
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1799.7	η UP, DN(C0-180)	1.2, 50.2
NOMINAL FLUX(lm)	1799.74	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 47.4
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	97.5	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: 2021-08-14

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:

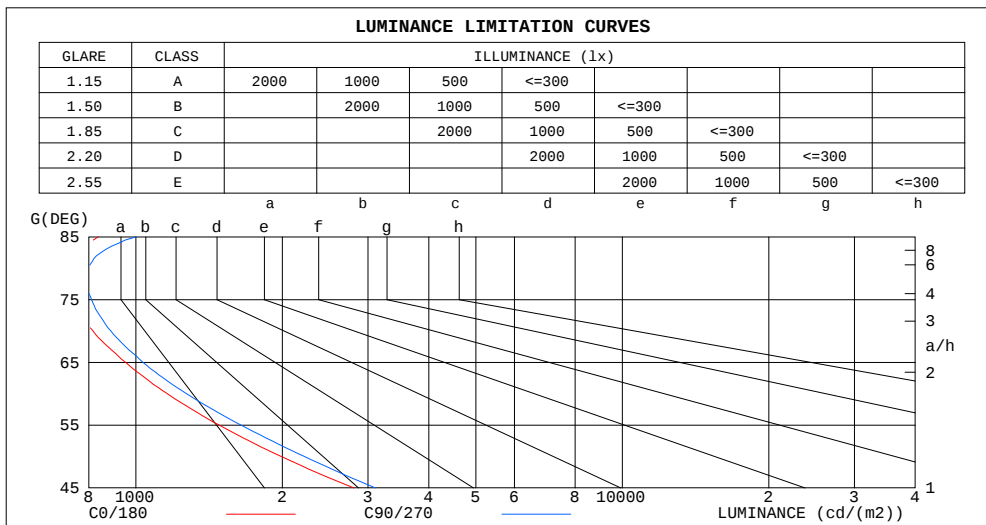
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5458	5902	6337	6931	6920	6460	5925	5367	0- 10	726.4	726.4	40.4, 40.4
20	548.6	810.3	951.1	1447	1274	1031	771.2	686.7	10- 20	830.0	1556	86.5, 86.5
30	79.68	107.4	102.6	145.9	118.9	132.7	97.96	99.63	20- 30	145.7	1702	94.6, 94.6
40	20.60	17.93	22.08	24.70	25.57	22.93	23.49	17.55	30- 40	32.79	1735	96.4, 96.4
50	8.784	5.928	9.821	6.907	11.30	7.068	10.24	5.983	40- 50	10.67	1746	97, 97
60	3.986	2.978	4.374	3.428	4.954	3.418	4.528	2.964	50- 60	5.166	1751	97.3, 97.3
70	1.919	1.591	2.093	1.798	2.295	1.749	2.107	1.532	60- 70	2.704	1753	97.4, 97.4
80	0.8494	0.7886	0.9527	0.9079	1.017	0.8316	0.9090	0.7184	70- 80	1.404	1755	97.5, 97.5
90	0.3680	0.3638	0.3668	0.3764	0.3697	0.3353	0.3490	0.3257	80- 90	0.6190	1756	97.5, 97.5
100	0.4143	0.4123	0.4152	0.4011	0.4364	0.4100	0.4439	0.4209	90-100	0.4160	1756	97.6, 97.6
110	0.4804	0.4895	0.4703	0.4632	0.4872	0.4761	0.4883	0.5006	100-110	0.4719	1756	97.6, 97.6
120	0.9615	0.9135	0.7875	0.7473	0.7017	0.8104	0.8694	1.102	110-120	0.5920	1757	97.6, 97.6
130	5.298	4.619	4.085	3.400	3.622	4.030	4.797	5.568	120-130	1.907	1759	97.7, 97.7
140	15.58	14.61	13.60	12.37	12.72	13.53	14.73	15.94	130-140	6.762	1766	98.1, 98.1
150	25.82	25.13	24.46	23.52	23.83	24.46	25.37	26.08	140-150	12.27	1778	98.8, 98.8
160	27.34	27.50	28.28	28.30	28.70	28.51	28.81	27.78	150-160	12.62	1791	99.5, 99.5
170	19.93	20.47	22.14	23.13	23.30	22.94	21.94	20.25	160-170	7.350	1798	99.9, 99.9
180	16.24	16.56	16.23	16.63	16.25	16.55	16.24	16.62	170-180	1.830	1800	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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	837	1002
80	712	797
75	737	811
70	816	889
65	952	1034
60	1160	1270
55	1483	1644
50	1988	2218
45	2809	3107

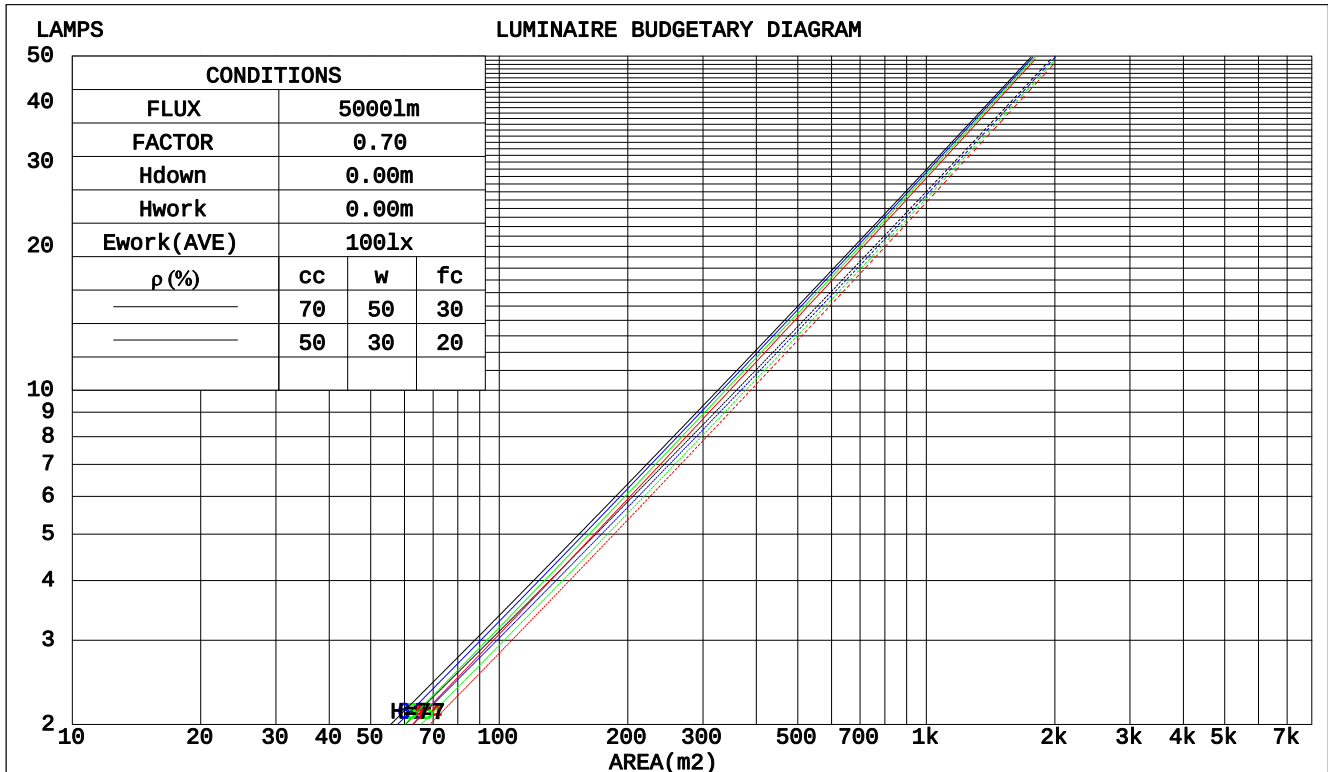
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-14

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-CRI90-24D	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	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	1.13	1.11	1.09	1.10	1.09	1.07	1.06	1.04	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	.98	.99	.97	.96	.96	.95	.94	.92
3.0	1.03	.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.93	.94	.92	.91	.90
4.0	.00	.96	.93	.98	.95	.92	.96	.93	.91	.94	.92	.90	.92	.90	.88	.87
5.0	.96	.92	.89	.95	.92	.89	.93	.90	.88	.92	.89	.87	.90	.88	.86	.85
6.0	.93	.89	.87	.92	.89	.86	.91	.88	.85	.89	.87	.85	.88	.86	.84	.83
7.0	.91	.87	.84	.90	.86	.84	.89	.85	.83	.87	.85	.83	.86	.84	.82	.81
8.0	.88	.84	.82	.88	.84	.81	.86	.83	.81	.85	.83	.81	.84	.82	.80	.79
9.0	.86	.82	.80	.85	.82	.79	.84	.81	.79	.84	.81	.79	.83	.80	.78	.77
10.0	.84	.80	.78	.83	.80	.78	.83	.79	.77	.82	.79	.77	.81	.79	.77	.76



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:

WEC AND CCEC

NAME: VM070-VF74SF01-20W	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 Coefficients(WEC)										
0.0																	
1.0	.133	.076	.024	.126	.072	.023	.112	.064	.021	.099	.057	.018	.088	.051	.016		
2.0	.122	.067	.021	.116	.064	.020	.105	.058	.018	.094	.053	.017	.084	.048	.015		
3.0	.113	.060	.018	.108	.058	.017	.098	.053	.016	.089	.049	.015	.081	.045	.014		
4.0	.105	.055	.016	.101	.053	.016	.093	.049	.015	.085	.046	.014	.078	.042	.013		
5.0	.099	.050	.015	.095	.049	.014	.088	.046	.013	.081	.043	.013	.075	.040	.012		
6.0	.093	.047	.013	.090	.045	.013	.084	.043	.012	.078	.041	.012	.073	.038	.011		
7.0	.088	.044	.012	.085	.043	.012	.080	.040	.012	.075	.038	.011	.070	.036	.011		
8.0	.084	.041	.012	.081	.040	.011	.076	.038	.011	.072	.036	.011	.068	.035	.010		
9.0	.080	.039	.011	.078	.038	.011	.073	.036	.010	.069	.035	.010	.066	.033	.010		
10.0	.076	.037	.010	.074	.036	.010	.071	.035	.010	.067	.033	.009	.063	.032	.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	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.187	.177	.167	.160	.152	.144	.109	.104	.100	.063	.060	.058	.020	.019	.019	
2.0	.169	.152	.138	.144	.131	.119	.099	.090	.083	.057	.053	.049	.018	.017	.016	
3.0	.153	.132	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.014	
4.0	.141	.117	.099	.121	.101	.086	.083	.070	.061	.048	.041	.036	.015	.013	.012	
5.0	.130	.105	.086	.112	.091	.075	.077	.063	.053	.045	.037	.031	.014	.012	.010	
6.0	.121	.095	.076	.104	.082	.066	.072	.057	.047	.042	.034	.028	.013	.011	.009	
7.0	.113	.086	.068	.097	.075	.059	.067	.052	.042	.039	.031	.025	.013	.010	.008	
8.0	.106	.080	.061	.092	.069	.053	.063	.048	.038	.037	.029	.023	.012	.009	.007	
9.0	.101	.074	.056	.087	.064	.049	.060	.045	.035	.035	.027	.021	.011	.009	.007	
10.0	.096	.069	.051	.082	.060	.045	.057	.042	.032	.033	.025	.019	.011	.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-CRI90-24D						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	2.6	3.2	2.8	3.4	3.6	3.6	4.2	3.9	4.4	4.6	
3H	2.9	3.4	3.2	3.7	3.9	3.8	4.4	4.1	4.6	4.9	
4H	3.0	3.5	3.3	3.8	4.0	4.0	4.5	4.2	4.7	5.0	
6H	3.1	3.6	3.4	3.9	4.2	4.0	4.5	4.4	4.8	5.1	
8H	3.2	3.7	3.5	3.9	4.2	4.1	4.6	4.4	4.9	5.2	
12H	3.2	3.7	3.6	4.0	4.3	4.1	4.6	4.5	4.9	5.2	
4H 2H	2.6	3.1	2.9	3.3	3.6	3.5	4.1	3.8	4.3	4.6	
3H	2.9	3.4	3.3	3.7	4.0	3.8	4.3	4.2	4.6	4.9	
4H	3.1	3.6	3.5	3.9	4.2	4.0	4.4	4.4	4.8	5.1	
6H	3.3	3.7	3.7	4.1	4.5	4.2	4.6	4.6	4.9	5.3	
8H	3.4	3.8	3.8	4.2	4.6	4.3	4.6	4.7	5.0	5.4	
12H	3.5	3.8	4.0	4.2	4.7	4.3	4.7	4.8	5.1	5.5	
8H 4H	3.1	3.5	3.5	3.9	4.3	3.9	4.3	4.4	4.7	5.1	
6H	3.4	3.7	3.8	4.1	4.6	4.2	4.5	4.6	4.9	5.4	
8H	3.5	3.8	4.0	4.3	4.7	4.3	4.6	4.8	5.0	5.5	
12H	3.7	3.9	4.2	4.4	4.9	4.5	4.7	5.0	5.2	5.7	
12H 4H	3.1	3.4	3.5	3.8	4.3	3.9	4.2	4.3	4.6	5.1	
6H	3.4	3.6	3.9	4.1	4.6	4.2	4.4	4.6	4.9	5.4	
8H	3.6	3.8	4.1	4.3	4.8	4.3	4.6	4.8	5.0	5.6	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.2 / - 1.4					+ 1.4 / - 1.4					
1.5H	+ 2.0 / - 1.5					+ 2.4 / - 1.7					
2.0H	+ 2.5 / - 1.4					+ 2.7 / - 1.5					

CIE Pub.117, 1800 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.0$)

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:

UTILIZATION FACTORS TABLE

NAME: VM070-VF74SF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

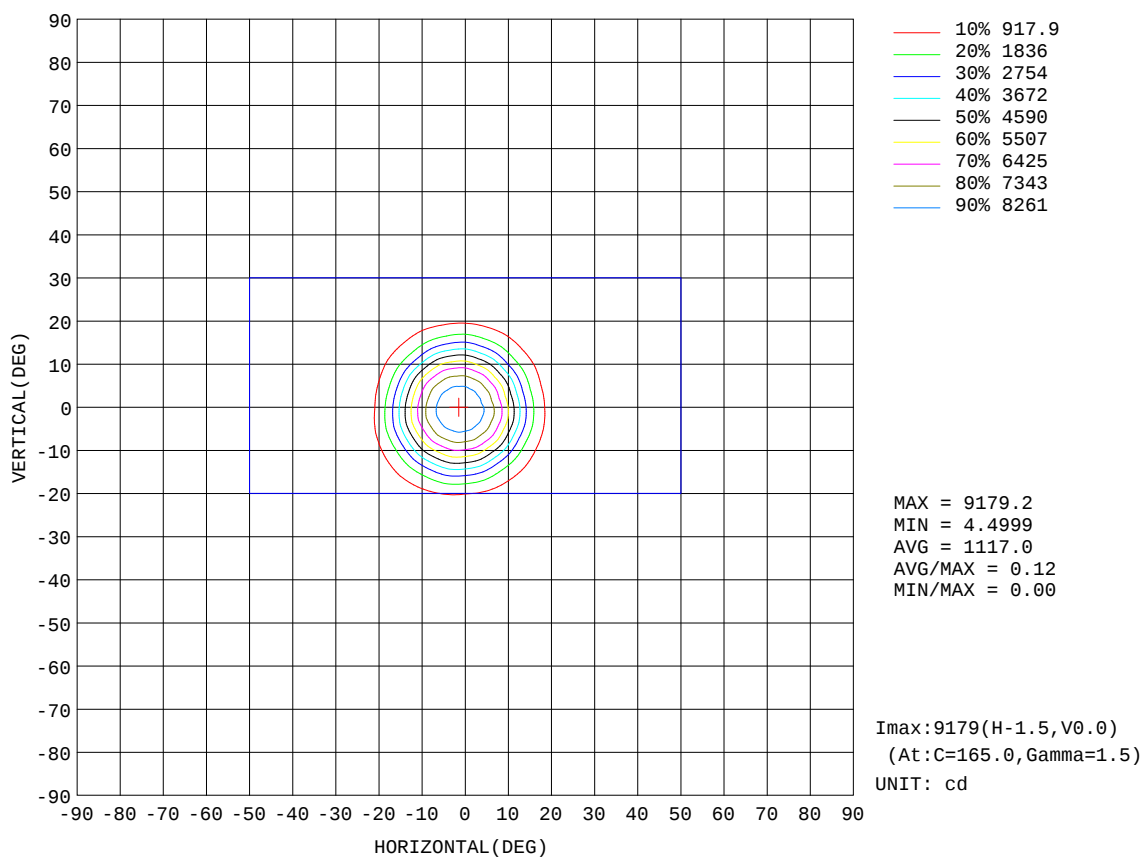
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	84	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	87	94	90	87	83
1.00	100	95	92	99	95	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										
SHRNOM = 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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

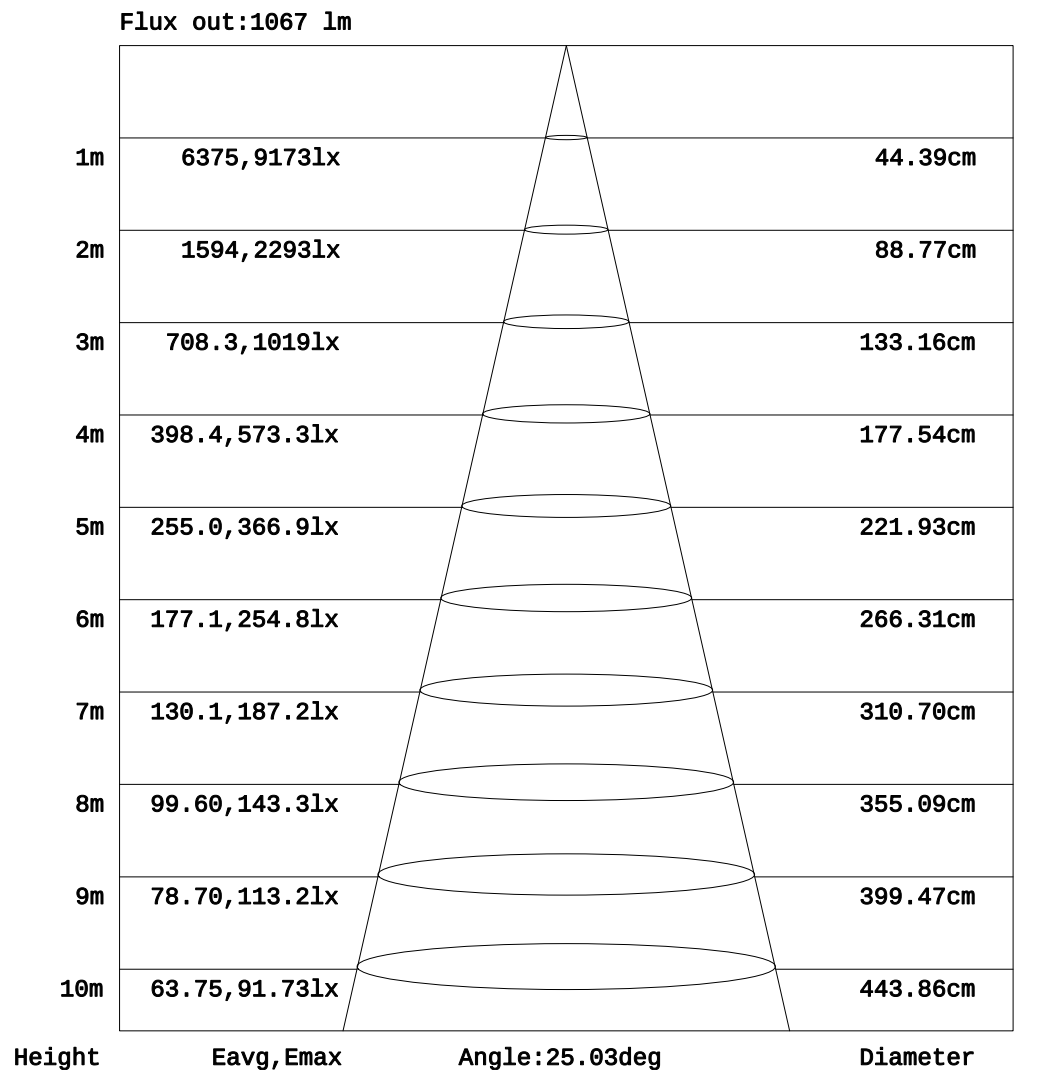


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-14

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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



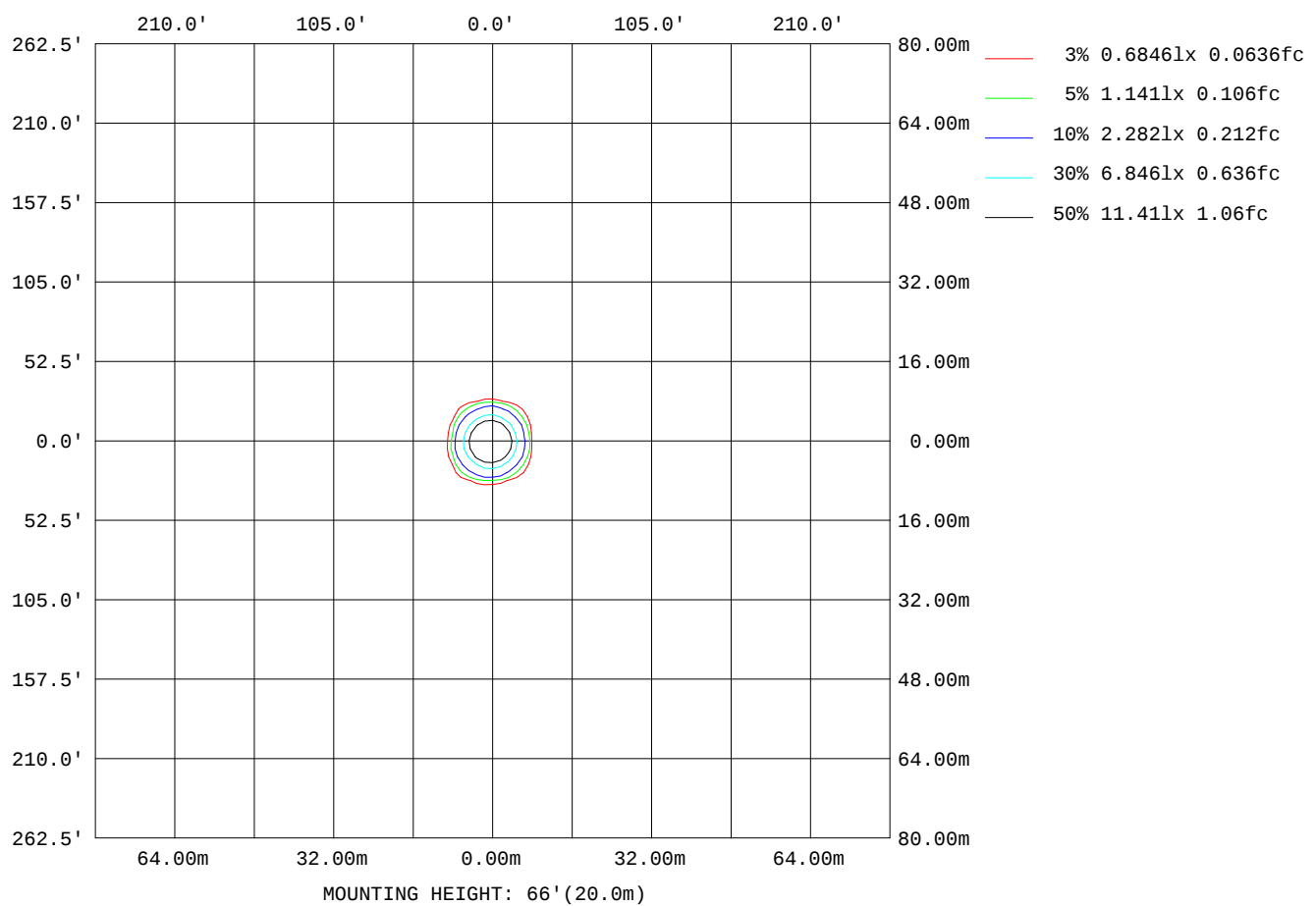
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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:

LED Avg.L Report

NAME: VM070-VF74SF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

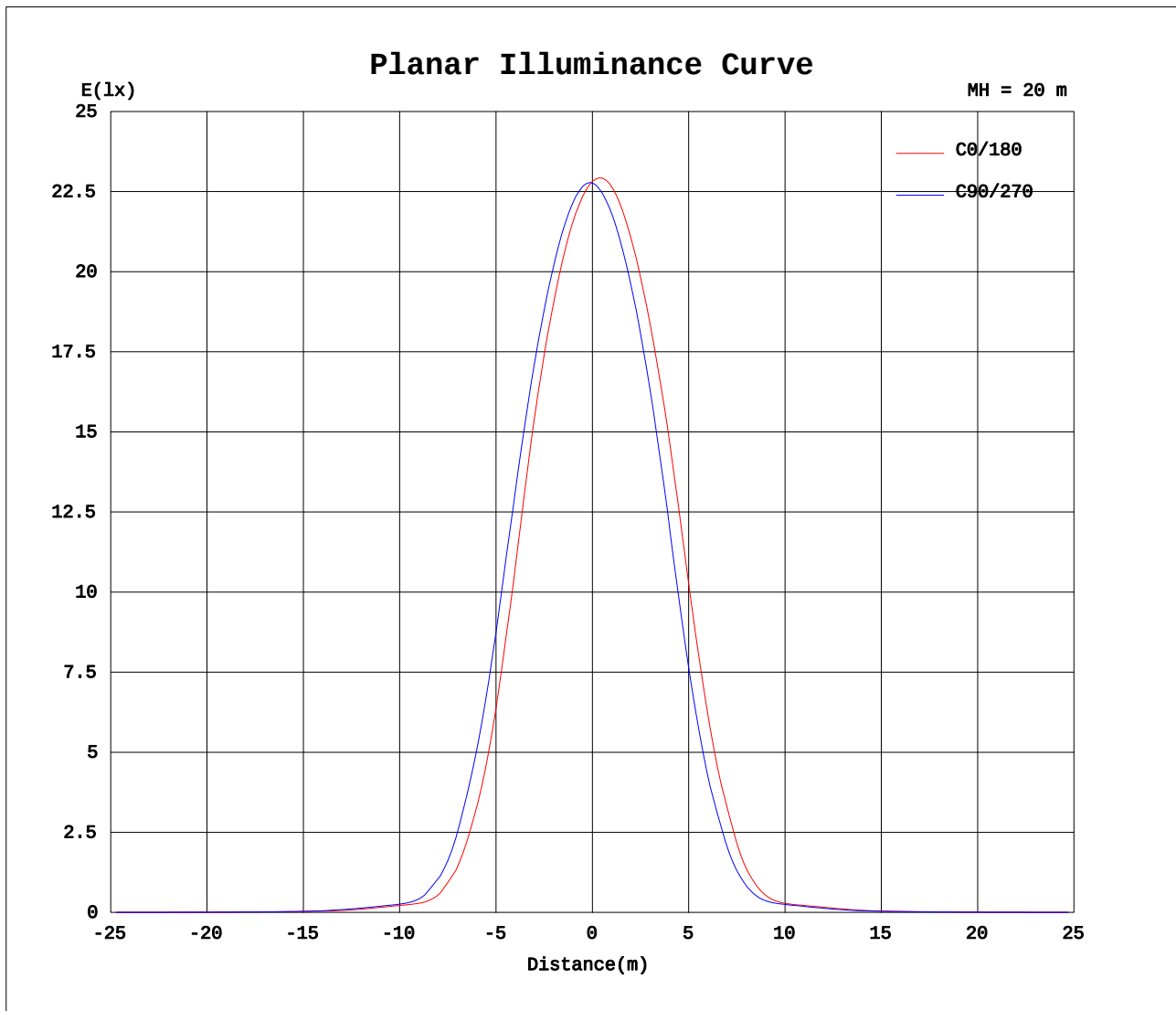
AvgL	cd/m2
L_0~180(65)av	1052
L_0~180(75)av	804
L_0~180(85)av	918
L_90~270(65)av	1047
L_90~270(75)av	805
L_90~270(85)av	960
L_45(65)av	791
L_45(75)av	665
L_45(85)av	877

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-CRI90-24D	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	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108	9108
5	7994	8070	8082	8191	8230	8365	8420	8566	8607	8732	8743	8814	8709	8612	8579	8453	8392	8248	8196
10	5458	5643	5654	5902	5962	6234	6337	6618	6694	6931	6949	7091	6920	6761	6705	6460	6342	6056	5925
15	2258	2382	2395	2627	2739	3077	3242	3565	3663	3935	3943	4089	3854	3631	3545	3236	3134	2879	2798
20	549	607	710	810	853	925	951	1170	1276	1447	1392	1467	1274	1178	1155	1031	992	839	771
25	141	150	202	291	228	200	186	234	330	478	379	290	222	235	301	378	271	183	168
30	79.7	86.2	97.3	107	109	104	103	111	126	146	142	125	119	122	141	133	124	104	98.0
35	32.2	34.6	38.3	42.0	44.5	43.6	42.2	48.8	57.7	69.7	63.5	58.4	51.9	53.2	58.4	59.8	52.8	44.4	41.3
40	20.6	20.2	18.5	17.9	19.5	21.6	22.1	22.8	23.8	24.7	25.4	26.2	25.6	25.3	25.2	22.9	24.4	24.0	23.5
45	13.7	13.4	10.7	8.90	10.7	14.5	15.1	15.3	12.5	11.4	13.2	17.1	17.5	16.8	13.5	11.4	13.7	16.2	16.0
50	8.78	8.49	6.75	5.93	6.93	9.22	9.82	9.78	7.96	6.91	8.35	11.0	11.3	10.7	8.51	7.07	8.58	10.2	10.2
55	5.85	5.57	4.54	4.16	4.68	6.04	6.49	6.38	5.25	4.83	5.52	7.08	7.43	6.93	5.59	4.88	5.57	6.60	6.74
60	3.99	3.79	3.17	2.98	3.27	4.06	4.37	4.27	3.62	3.43	3.80	4.70	4.95	4.58	3.82	3.42	3.79	4.41	4.53
65	2.77	2.64	2.28	2.17	2.34	2.81	3.01	2.94	2.56	2.47	2.69	3.21	3.36	3.10	2.67	2.44	2.66	3.01	3.09
70	1.92	1.85	1.65	1.59	1.70	1.97	2.09	2.06	1.84	1.80	1.92	2.23	2.29	2.13	1.88	1.75	1.87	2.06	2.11
75	1.31	1.28	1.16	1.15	1.21	1.37	1.45	1.43	1.31	1.30	1.37	1.55	1.56	1.46	1.32	1.22	1.31	1.39	1.42
80	0.85	0.84	0.79	0.79	0.83	0.92	0.95	0.96	0.90	0.91	0.95	1.05	1.02	0.96	0.89	0.83	0.87	0.91	0.91
85	0.50	0.52	0.51	0.51	0.54	0.58	0.60	0.62	0.60	0.60	0.63	0.67	0.60	0.50	0.55	0.54	0.55	0.55	0.55
90	0.37	0.37	0.36	0.36	0.36	0.37	0.37	0.36	0.37	0.38	0.40	0.41	0.37	0.35	0.34	0.34	0.33	0.34	0.35
95	0.39	0.39	0.38	0.39	0.38	0.39	0.38	0.39	0.37	0.38	0.37	0.38	0.38	0.36	0.37	0.35	0.37	0.37	0.40
100	0.41	0.42	0.41	0.41	0.41	0.42	0.42	0.41	0.39	0.40	0.39	0.40	0.44	0.41	0.42	0.41	0.42	0.42	0.44
105	0.44	0.44	0.44	0.44	0.43	0.44	0.44	0.44	0.42	0.43	0.42	0.43	0.47	0.45	0.45	0.44	0.45	0.45	0.47
110	0.48	0.48	0.48	0.49	0.48	0.48	0.47	0.47	0.46	0.46	0.45	0.45	0.49	0.48	0.48	0.48	0.49	0.48	0.49
115	0.57	0.57	0.59	0.60	0.58	0.56	0.54	0.54	0.54	0.54	0.52	0.51	0.53	0.52	0.55	0.56	0.55	0.54	0.55
120	0.96	0.93	0.95	0.91	0.90	0.83	0.79	0.76	0.77	0.75	0.73	0.68	0.70	0.74	0.77	0.81	0.82	0.85	0.87
125	2.31	2.18	2.13	1.98	1.93	1.79	1.74	1.60	1.55	1.44	1.41	1.34	1.49	1.55	1.58	1.71	1.78	1.96	2.07
130	5.30	5.05	4.95	4.62	4.51	4.20	4.08	3.77	3.63	3.40	3.36	3.23	3.62	3.74	3.78	4.03	4.19	4.57	4.80
135	9.95	9.61	9.49	9.02	8.86	8.38	8.19	7.72	7.52	7.15	7.11	6.94	7.49	7.68	7.73	8.14	8.36	8.90	9.18
140	15.6	15.3	15.1	14.6	14.4	13.9	13.6	13.0	12.8	12.4	12.3	12.1	12.7	13.0	13.0	13.5	13.8	14.4	14.7
145	21.3	21.0	20.9	20.4	20.2	19.7	19.4	18.9	18.6	18.2	18.1	18.0	18.5	18.8	18.9	19.3	19.6	20.2	20.5
150	25.8	25.6	25.4	25.1	25.0	24.7	24.5	24.0	23.8	23.5	23.5	23.4	23.8	24.0	24.1	24.5	24.7	25.1	25.4
155	28.0	27.8	27.8	27.7	27.7	27.7	27.7	27.5	27.3	27.2	27.2	27.2	27.6	27.6	27.6	27.8	27.9	28.2	28.3
160	27.3	27.3	27.3	27.5	27.7	28.1	28.3	28.4	28.3	28.3	28.4	28.5	28.7	28.6	28.6	28.5	28.7	28.8	28.8
165	24.2	24.2	24.3	25.0	25.4	25.8	26.1	26.6	26.7	26.9	26.6	27.0	27.0	26.9	26.7	26.7	26.8	26.7	26.5
170	19.9	20.1	20.2	20.5	21.0	21.6	22.1	22.7	22.8	23.1	23.3	23.5	23.3	23.3	23.4	22.9	22.7	22.4	21.9
175	16.3	16.4	16.5	17.0	17.2	17.3	17.6	18.1	18.6	19.2	19.2	19.1	19.0	19.0	19.1	19.1	18.8	18.2	17.8
180	16.2	16.2	16.4	16.6	16.3	16.1	16.2	16.1	16.2	16.6	16.4	16.1	16.2	16.2	16.4	16.6	16.3	16.1	16.2

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-CRI90-24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	9108	9108	9108	9108	9108													
5	8069	8031	7941	7943	7896													
10	5650	5568	5367	5379	5269													
15	2534	2452	2244	2226	2114													
20	713	749	687	659	539													
25	179	221	268	207	145													
30	94.5	104	99.6	92.2	78.8													
35	40.8	43.3	39.2	38.0	32.3													
40	22.2	19.9	17.5	18.2	19.5													
45	14.8	11.2	8.86	10.7	12.8													
50	9.24	7.14	5.98	6.80	8.12													
55	6.01	4.77	4.17	4.56	5.33													
60	4.04	3.32	2.96	3.18	3.63													
65	2.78	2.35	2.13	2.26	2.52													
70	1.91	1.67	1.53	1.61	1.75													
75	1.30	1.17	1.07	1.12	1.18													
80	0.84	0.77	0.72	0.74	0.76													
85	0.52	0.48	0.45	0.45	0.42													
90	0.33	0.33	0.33	0.34	0.33													
95	0.38	0.39	0.38	0.39	0.39													
100	0.43	0.43	0.42	0.43	0.43													
105	0.45	0.46	0.46	0.47	0.46													
110	0.48	0.50	0.50	0.51	0.50													
115	0.57	0.62	0.64	0.63	0.60													
120	0.98	1.03	1.10	1.09	1.08													
125	2.28	2.36	2.53	2.53	2.61													
130	5.16	5.29	5.57	5.60	5.78													
135	9.70	9.85	10.3	10.3	10.6													
140	15.3	15.5	15.9	16.0	16.3													
145	21.0	21.2	21.6	21.6	21.9													
150	25.8	25.8	26.1	26.1	26.3													
155	28.4	28.3	28.3	28.1	28.3													
160	28.6	28.2	27.8	27.5	27.5													
165	26.0	25.5	24.8	24.4	24.3													
170	21.3	20.8	20.3	20.2	19.9													
175	17.3	17.3	17.0	16.5	16.2													
180	16.1	16.2	16.6	16.4	16.1													

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: