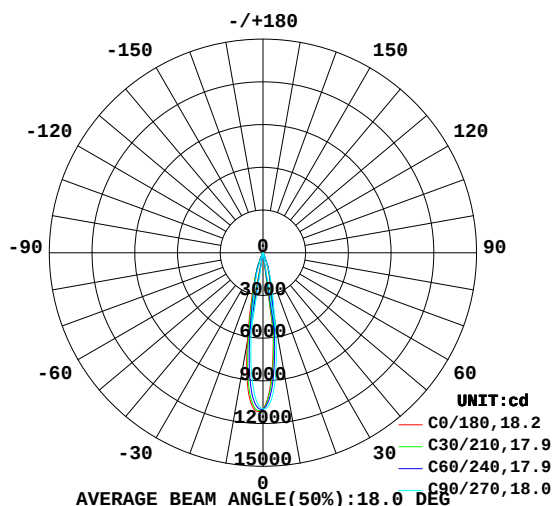


LUMINAIRE PHOTOMETRIC TEST REPORT

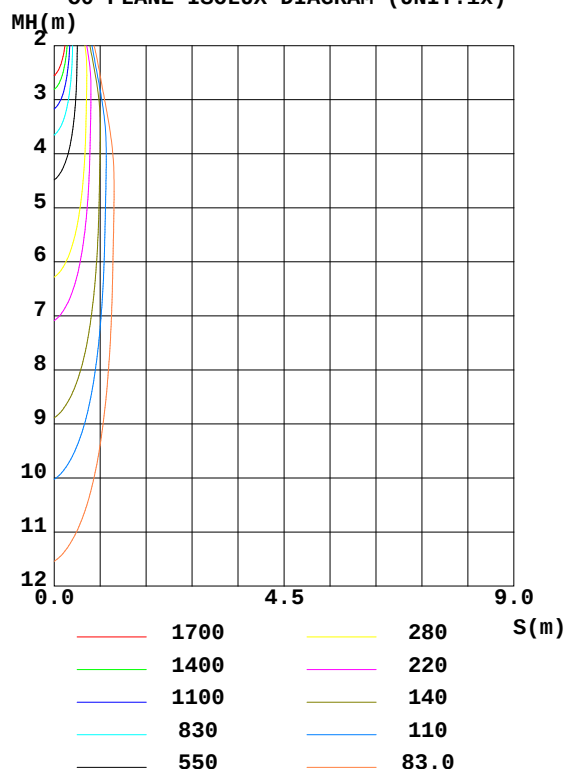
NAME: VM070-VF74SF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 85.45 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	11255	S/MH(C0/180)	0.36	
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.30	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1667.6	η UP, DN(C0-180)	1.2, 49.9	
NOMINAL FLUX(lm)	1667.64	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 47.7	
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:

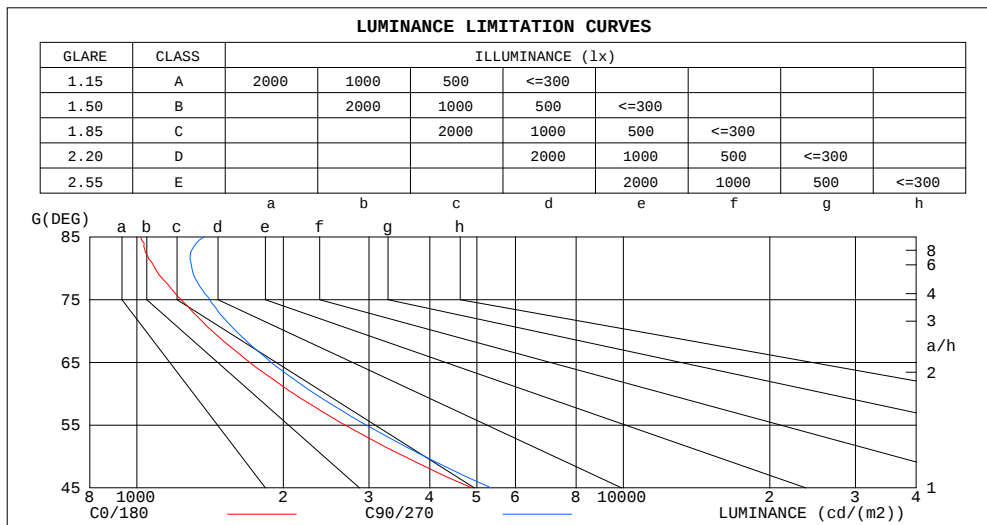
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	360.2	403.2	487.8	642.6	631.9	531.7	440.7	364.2	0- 10	723.5	723.5	43.4, 43.4
20	56.49	107.2	79.18	148.7	113.8	129.2	75.90	99.81	10- 20	640.6	1364	81.8, 81.8
30	8.972	14.76	10.04	20.78	11.48	18.49	9.768	13.73	20- 30	186.7	1551	93, 93
40	3.521	2.899	3.773	3.627	4.183	3.507	3.833	2.791	30- 40	40.81	1592	95.4, 95.4
50	1.560	1.052	1.732	1.197	1.915	1.186	1.735	1.052	40- 50	17.84	1609	96.5, 96.5
60	0.7182	0.5404	0.8000	0.6113	0.8809	0.5922	0.7974	0.5330	50- 60	9.085	1619	97.1, 97.1
70	0.3339	0.2807	0.3767	0.3191	0.4100	0.3019	0.3683	0.2700	60- 70	4.839	1623	97.3, 97.3
80	0.1293	0.1228	0.1553	0.1472	0.1688	0.1329	0.1433	0.1111	70- 80	2.401	1626	97.5, 97.5
90	0.0344	0.0347	0.0356	0.0398	0.0420	0.0334	0.0345	0.0321	80- 90	0.8533	1627	97.5, 97.5
100	0.0434	0.0428	0.0431	0.0412	0.0436	0.0410	0.0458	0.0439	90-100	0.4143	1627	97.6, 97.6
110	0.0528	0.0538	0.0517	0.0510	0.0539	0.0527	0.0537	0.0557	100-110	0.5037	1628	97.6, 97.6
120	0.1140	0.1188	0.0947	0.0954	0.0823	0.1037	0.0974	0.1344	110-120	0.6960	1628	97.6, 97.6
130	0.4959	0.4266	0.3888	0.3199	0.3357	0.3575	0.4307	0.5105	120-130	1.970	1630	97.8, 97.8
140	1.484	1.376	1.270	1.108	1.158	1.225	1.377	1.528	130-140	6.179	1636	98.1, 98.1
150	2.340	2.289	2.245	2.160	2.174	2.216	2.298	2.370	140-150	11.41	1648	98.8, 98.8
160	2.507	2.487	2.577	2.565	2.586	2.571	2.625	2.540	150-160	11.37	1659	99.5, 99.5
170	1.784	1.823	2.047	2.145	2.194	2.118	2.039	1.821	160-170	6.762	1666	99.9, 99.9
180	1.492	1.504	1.501	1.523	1.494	1.503	1.502	1.523	170-180	1.671	1668	100, 100
DEG	LUMINOUS INTENSITY: ×10cd									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
 γ 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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1018	1375
80	1089	1298
75	1233	1411
70	1428	1598
65	1706	1887
60	2101	2321
55	2679	2963
50	3550	3909
45	4888	5351

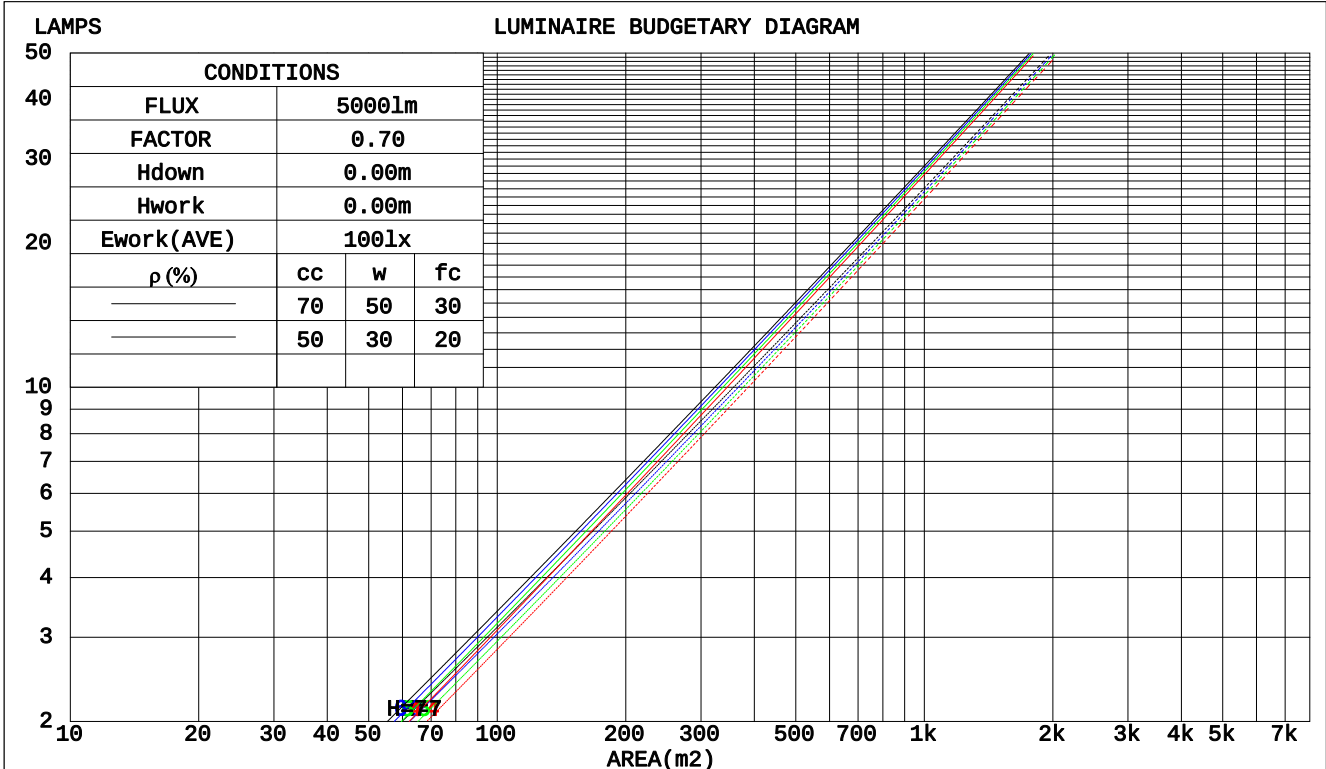
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-14

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-CRI90-15D	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	1.11	1.09	1.10	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.98	.97	.96	.95
2.0	1.07	1.04	1.02	1.05	1.03	1.01	1.02	.00	.98	.99	.97	.96	.96	.94	.93	.92
3.0	1.03	.99	.97	1.01	.98	.96	.99	.96	.94	.96	.94	.92	.94	.92	.91	.89
4.0	.99	.95	.92	.98	.94	.92	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.89	.87	.90	.87	.86	.84
6.0	.93	.89	.86	.92	.88	.86	.90	.87	.85	.89	.86	.84	.88	.85	.83	.82
7.0	.90	.86	.83	.89	.86	.83	.88	.85	.83	.87	.84	.82	.86	.83	.81	.80
8.0	.88	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.84	.81	.80	.79
9.0	.85	.82	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.82	.80	.78	.77
10.0	.83	.80	.77	.83	.79	.77	.82	.79	.77	.81	.78	.76	.81	.78	.76	.75



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-CRI90-15D	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	.135	.077	.024	.128	.073	.023	.114	.065	.021	.101	.058	.019	.090	.052	.017		
2.0	.124	.068	.021	.118	.065	.020	.107	.059	.018	.096	.054	.017	.086	.049	.015		
3.0	.115	.061	.018	.110	.059	.018	.100	.054	.017	.091	.050	.015	.083	.046	.014		
4.0	.107	.056	.016	.103	.054	.016	.095	.050	.015	.087	.047	.014	.080	.043	.013		
5.0	.101	.051	.015	.097	.050	.014	.090	.047	.014	.083	.044	.013	.077	.041	.012		
6.0	.095	.047	.014	.091	.046	.013	.085	.044	.013	.079	.041	.012	.074	.039	.012		
7.0	.090	.044	.013	.087	.043	.012	.081	.041	.012	.076	.039	.011	.071	.037	.011		
8.0	.085	.042	.012	.082	.041	.011	.078	.039	.011	.073	.037	.011	.069	.035	.010		
9.0	.081	.039	.011	.079	.038	.011	.074	.037	.010	.070	.035	.010	.067	.034	.010		
10.0	.077	.037	.010	.075	.036	.010	.071	.035	.010	.068	.034	.010	.064	.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	.099	.063	.060	.058	.020	.019	.019	
2.0	.169	.152	.137	.145	.131	.119	.099	.090	.083	.057	.053	.049	.018	.017	.016	
3.0	.154	.132	.115	.132	.114	.100	.091	.079	.070	.052	.046	.041	.017	.015	.014	
4.0	.141	.117	.099	.121	.101	.086	.083	.070	.060	.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	.114	.086	.067	.098	.075	.059	.067	.053	.042	.039	.031	.025	.013	.010	.008	
8.0	.107	.080	.061	.092	.069	.053	.064	.048	.038	.037	.029	.022	.012	.009	.007	
9.0	.101	.074	.056	.087	.064	.049	.060	.045	.034	.035	.027	.021	.011	.009	.007	
10.0	.096	.069	.051	.083	.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-CRI90-15D						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						6.2	6.8	6.5	7.0	7.2	6.6
3H						6.6	7.1	6.9	7.4	7.6	7.0
4H						6.7	7.3	7.0	7.5	7.8	7.1
6H						6.8	7.3	7.1	7.6	7.9	7.3
8H						6.8	7.3	7.2	7.6	7.9	7.3
12H						6.9	7.3	7.2	7.6	7.9	7.3
4H 2H						6.2	6.8	6.5	7.0	7.3	6.6
3H						6.7	7.2	7.0	7.5	7.8	7.1
4H						6.9	7.3	7.3	7.7	8.0	7.3
6H						7.1	7.5	7.5	7.8	8.2	7.5
8H						7.1	7.5	7.5	7.9	8.3	7.6
12H						7.2	7.5	7.6	7.9	8.3	7.7
8H 4H						6.9	7.2	7.3	7.6	8.0	7.3
6H						7.1	7.4	7.6	7.9	8.3	7.5
8H						7.2	7.5	7.7	7.9	8.4	7.7
12H						7.3	7.5	7.8	8.0	8.5	7.8
12H 4H						6.8	7.2	7.3	7.6	8.0	7.2
6H						7.1	7.4	7.6	7.8	8.3	7.5
8H						7.2	7.5	7.7	7.9	8.5	7.7
Variations with the observer position at spacings:											
S = 1.0H						+ 1.2 / - 1.4			+ 1.2 / - 1.3		
1.5H						+ 2.0 / - 1.5			+ 2.1 / - 1.5		
2.0H						+ 2.5 / - 1.6			+ 2.6 / - 1.6		

CIE Pub.117, 1668 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.8$)

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

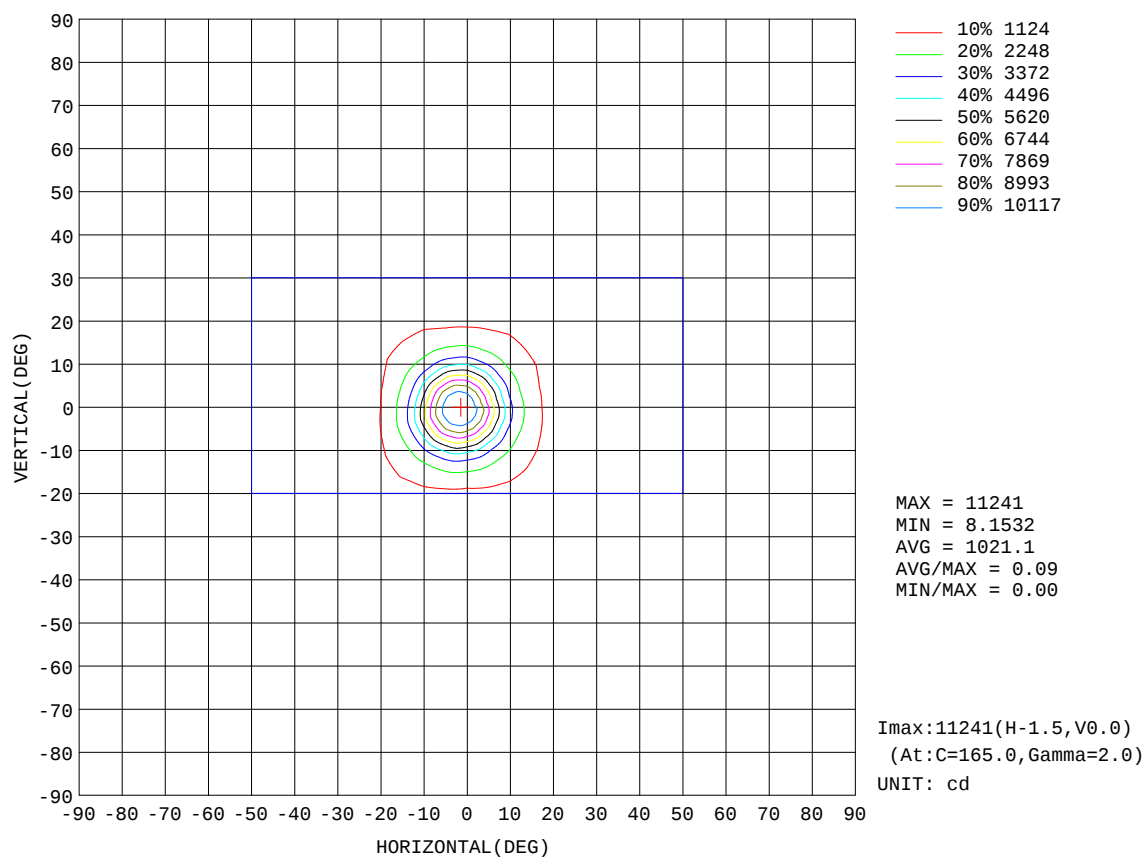
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	79	88	83	79	87	82	79	76
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	97	93	90	86
1.25	104	99	95	102	98	95	100	96	94	89
1.50	106	102	98	105	101	98	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	104	108	105	102	105	102	100	94
3.00	112	108	106	110	107	104	106	104	102	95
4.00	113	111	109	111	109	107	107	105	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:2021-08-14

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

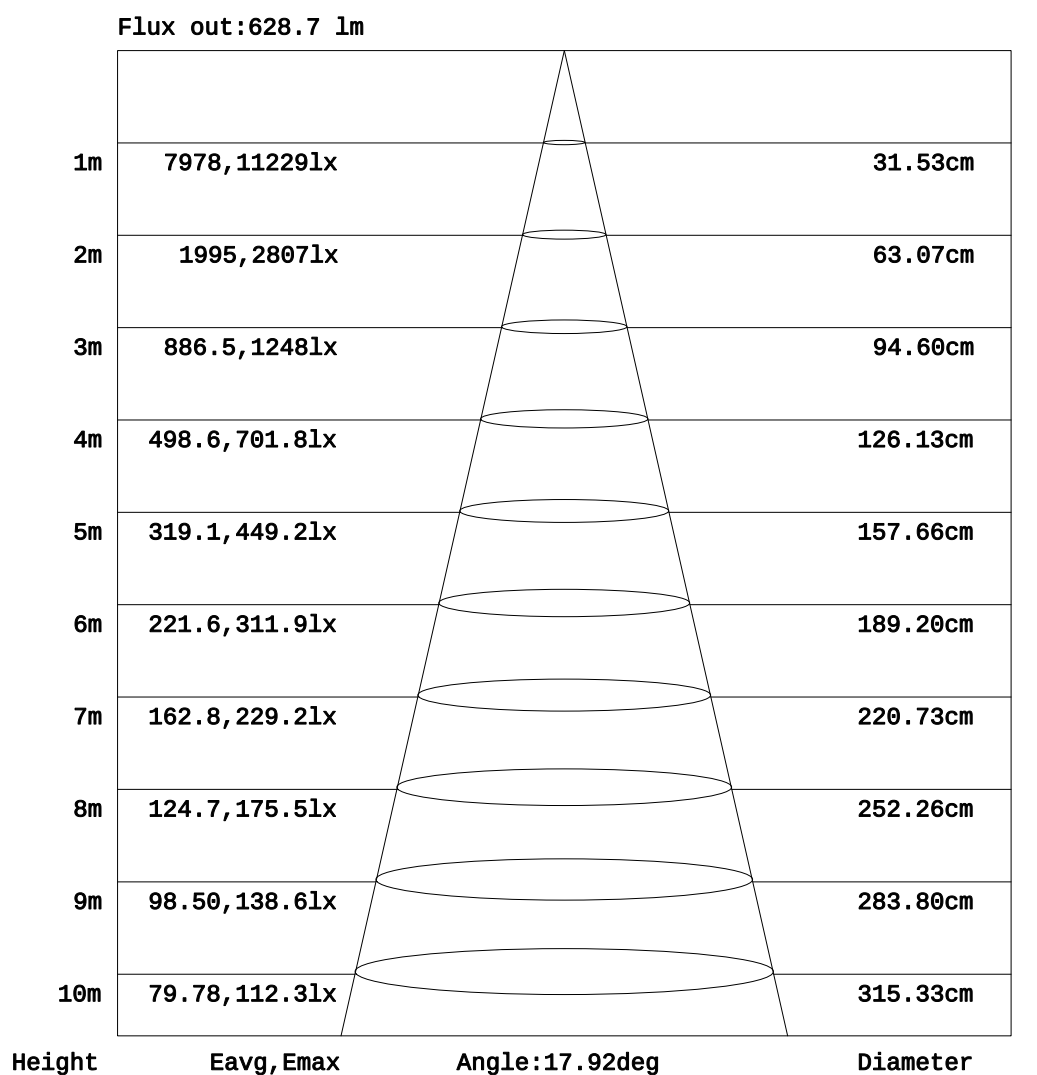


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-14

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



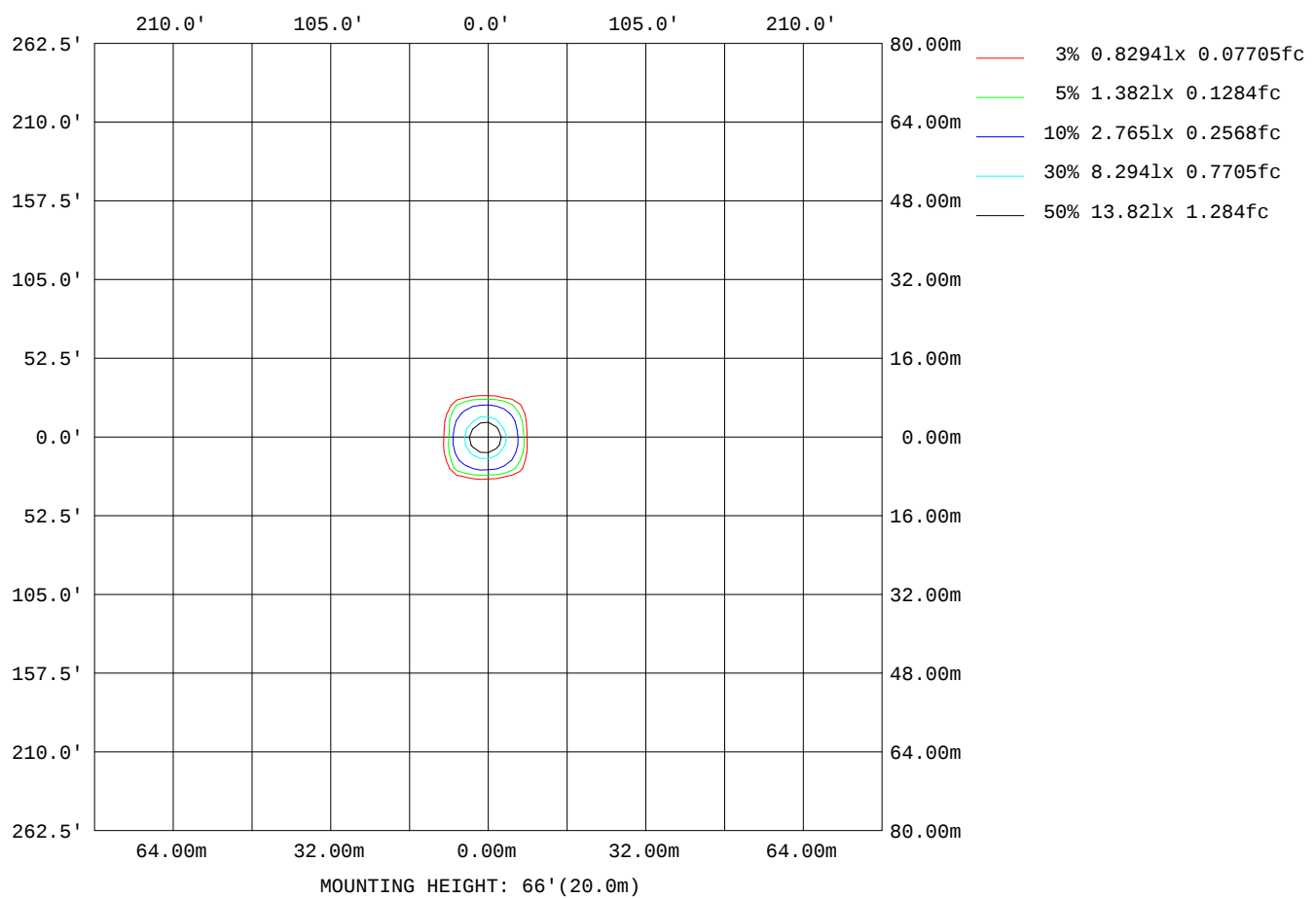
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-CRI90-15D	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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

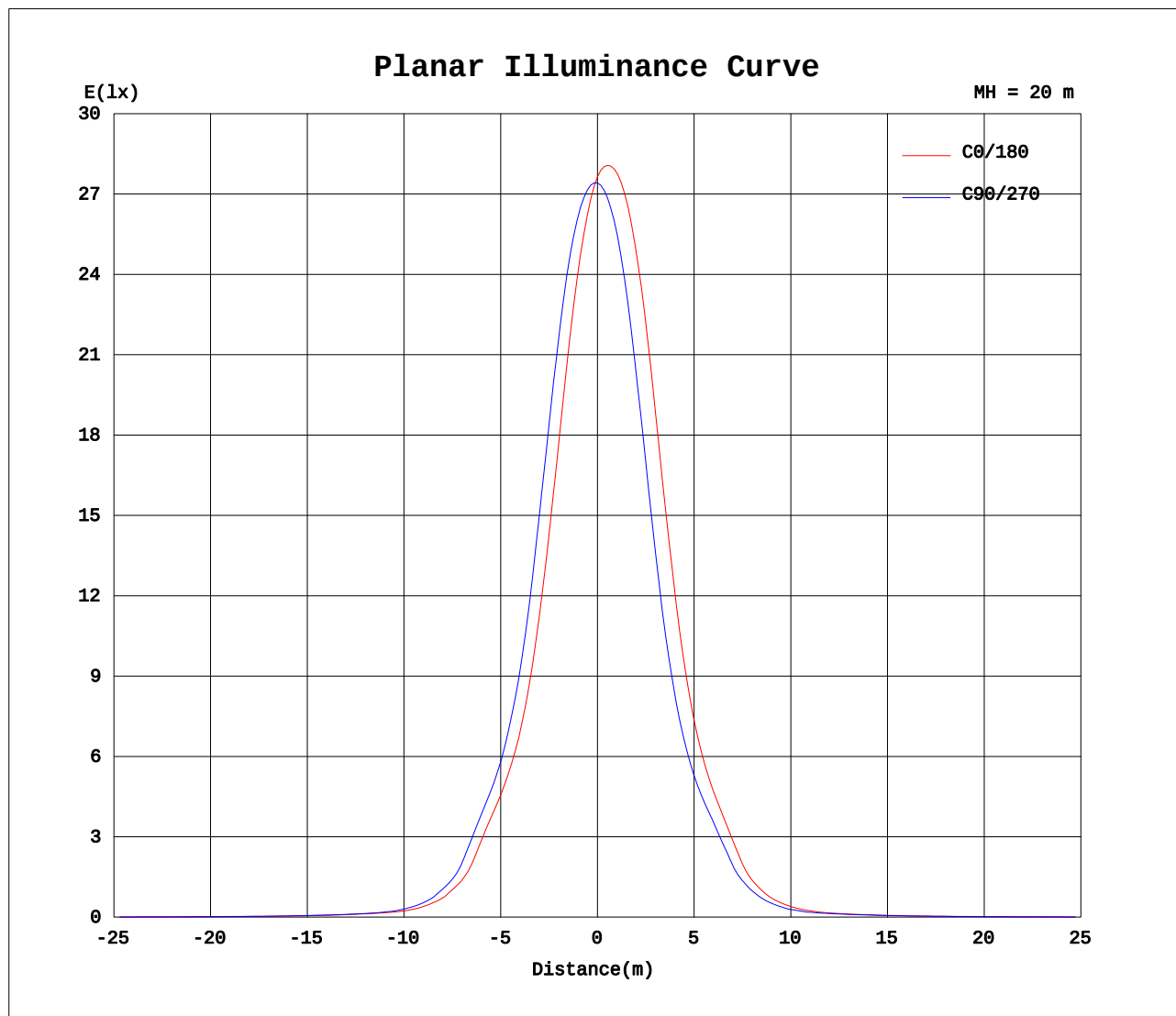
AvgL	cd/m2
L_0~180(65)av	1882
L_0~180(75)av	1374
L_0~180(85)av	1230
L_90~270(65)av	1882
L_90~270(75)av	1380
L_90~270(85)av	1309
L_45(65)av	1410
L_45(75)av	1130
L_45(85)av	1187

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
 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: 2021-08-14

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097
5	781	802	806	842	859	908	934	984	1005	1043	1051	1069	1041	1023	1016	981	962	913	888
10	360	374	375	403	416	461	488	551	583	643	652	682	632	596	581	532	509	461	441
15	174	181	184	194	200	214	223	245	258	283	287	298	274	258	255	236	228	210	204
20	56.5	63.8	87.8	107	108	89.0	79.2	100	133	149	147	137	114	120	137	129	122	85.0	75.9
25	17.7	20.2	29.1	48.6	36.4	26.9	24.1	29.6	45.4	81.6	54.4	39.4	31.6	34.9	50.3	69.3	41.2	26.0	23.2
30	8.97	9.18	9.55	14.8	10.9	9.93	10.0	10.8	13.6	20.8	17.0	12.9	11.5	11.3	16.2	18.5	13.5	10.1	9.77
35	5.43	5.55	5.51	5.35	5.68	5.98	6.02	6.37	6.56	7.37	6.91	6.98	6.78	6.70	6.79	6.68	6.59	6.24	6.01
40	3.52	3.44	3.12	2.90	3.16	3.65	3.77	3.87	3.73	3.63	3.91	4.21	4.18	4.08	3.89	3.51	3.81	3.88	3.83
45	2.36	2.31	1.85	1.56	1.84	2.47	2.61	2.62	2.14	1.92	2.21	2.80	2.89	2.74	2.21	1.87	2.23	2.64	2.64
50	1.56	1.50	1.20	1.05	1.22	1.61	1.73	1.71	1.38	1.20	1.42	1.85	1.91	1.79	1.42	1.19	1.43	1.71	1.74
55	1.05	1.00	0.82	0.75	0.85	1.08	1.17	1.15	0.93	0.85	0.96	1.24	1.29	1.19	0.96	0.83	0.95	1.14	1.17
60	0.72	0.69	0.58	0.54	0.60	0.74	0.80	0.78	0.65	0.61	0.68	0.84	0.88	0.81	0.67	0.59	0.66	0.77	0.80
65	0.49	0.47	0.41	0.39	0.43	0.51	0.55	0.54	0.46	0.44	0.48	0.58	0.60	0.55	0.47	0.42	0.46	0.53	0.55
70	0.33	0.32	0.29	0.28	0.30	0.36	0.38	0.37	0.33	0.32	0.34	0.40	0.41	0.38	0.33	0.30	0.32	0.36	0.37
75	0.22	0.21	0.20	0.19	0.21	0.24	0.25	0.25	0.23	0.22	0.24	0.27	0.27	0.25	0.23	0.21	0.22	0.24	0.24
80	0.13	0.13	0.12	0.12	0.13	0.15	0.16	0.16	0.15	0.15	0.16	0.17	0.17	0.16	0.14	0.13	0.14	0.14	0.14
85	0.06	0.07	0.06	0.07	0.07	0.08	0.08	0.09	0.08	0.09	0.09	0.10	0.09	0.07	0.08	0.07	0.08	0.07	0.07
90	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03
95	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
105	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
110	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
115	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
120	0.11	0.12	0.12	0.12	0.11	0.10	0.09	0.09	0.10	0.10	0.09	0.08	0.08	0.09	0.10	0.10	0.10	0.10	0.10
125	0.25	0.23	0.23	0.22	0.22	0.20	0.20	0.18	0.18	0.17	0.17	0.16	0.16	0.17	0.18	0.19	0.19	0.20	0.21
130	0.50	0.47	0.46	0.43	0.42	0.40	0.39	0.36	0.34	0.32	0.32	0.31	0.34	0.34	0.34	0.36	0.37	0.41	0.43
135	0.93	0.89	0.88	0.82	0.81	0.77	0.75	0.69	0.66	0.62	0.61	0.60	0.66	0.67	0.67	0.70	0.73	0.80	0.83
140	1.48	1.45	1.44	1.38	1.36	1.30	1.27	1.20	1.16	1.11	1.09	1.08	1.16	1.18	1.18	1.22	1.26	1.34	1.38
145	1.99	1.97	1.96	1.91	1.90	1.85	1.82	1.77	1.73	1.68	1.68	1.65	1.72	1.74	1.75	1.79	1.82	1.88	1.92
150	2.34	2.32	2.31	2.29	2.29	2.26	2.24	2.21	2.19	2.16	2.15	2.14	2.17	2.18	2.19	2.22	2.24	2.28	2.30
155	2.52	2.50	2.49	2.48	2.49	2.49	2.49	2.47	2.46	2.45	2.44	2.45	2.46	2.45	2.46	2.47	2.49	2.52	2.53
160	2.51	2.49	2.48	2.49	2.52	2.56	2.58	2.58	2.56	2.57	2.57	2.58	2.59	2.58	2.58	2.57	2.59	2.61	2.62
165	2.23	2.21	2.20	2.27	2.34	2.41	2.44	2.47	2.46	2.49	2.48	2.53	2.52	2.51	2.49	2.47	2.47	2.48	2.48
170	1.78	1.79	1.80	1.82	1.90	2.00	2.05	2.10	2.10	2.14	2.18	2.22	2.19	2.19	2.18	2.12	2.10	2.07	2.04
175	1.47	1.48	1.49	1.52	1.54	1.57	1.61	1.66	1.71	1.77	1.78	1.78	1.77	1.76	1.76	1.74	1.71	1.66	1.62
180	1.49	1.49	1.50	1.50	1.49	1.49	1.50	1.49	1.49	1.52	1.50	1.49	1.49	1.49	1.50	1.50	1.49	1.49	1.50

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-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1097	1097	1097	1097	1097														
5	839	818	781	773	756														
10	403	390	364	358	345														
15	192	190	180	177	170														
20	77.9	104	99.8	84.7	59.1														
25	24.1	35.2	41.2	28.8	18.4														
30	9.48	10.9	13.7	9.46	8.85														
35	5.79	5.61	5.13	5.43	5.32														
40	3.58	3.15	2.79	3.07	3.34														
45	2.42	1.87	1.54	1.86	2.23														
50	1.56	1.23	1.05	1.21	1.45														
55	1.05	0.84	0.74	0.83	0.98														
60	0.72	0.59	0.53	0.58	0.67														
65	0.49	0.42	0.38	0.41	0.46														
70	0.34	0.29	0.27	0.28	0.31														
75	0.22	0.20	0.18	0.19	0.20														
80	0.13	0.12	0.11	0.11	0.12														
85	0.07	0.06	0.06	0.06	0.05														
90	0.03	0.03	0.03	0.03	0.03														
95	0.04	0.04	0.04	0.04	0.04														
100	0.04	0.04	0.04	0.04	0.04														
105	0.05	0.05	0.05	0.05	0.05														
110	0.05	0.06	0.06	0.06	0.05														
115	0.07	0.07	0.08	0.07	0.07														
120	0.11	0.12	0.13	0.13	0.13														
125	0.23	0.24	0.25	0.26	0.27														
130	0.47	0.48	0.51	0.52	0.54														
135	0.89	0.91	0.96	0.98	1.01														
140	1.45	1.47	1.53	1.54	1.58														
145	1.97	1.99	2.03	2.04	2.07														
150	2.33	2.34	2.37	2.37	2.39														
155	2.55	2.55	2.55	2.54	2.56														
160	2.62	2.58	2.54	2.52	2.53														
165	2.44	2.37	2.28	2.22	2.23														
170	1.97	1.90	1.82	1.80	1.79														
175	1.57	1.55	1.52	1.48	1.47														
180	1.49	1.49	1.52	1.50	1.49														

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: