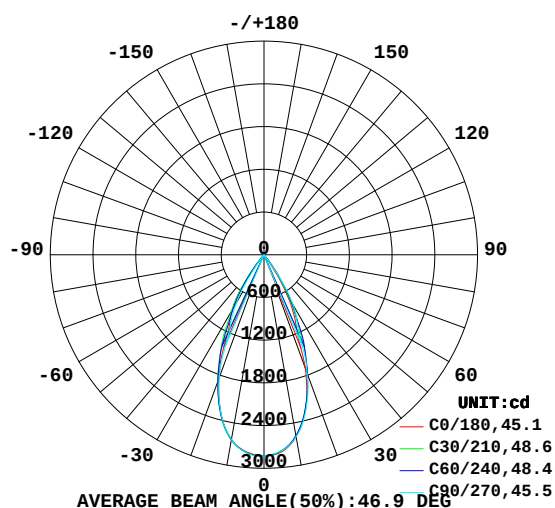


LUMINAIRE PHOTOMETRIC TEST REPORT

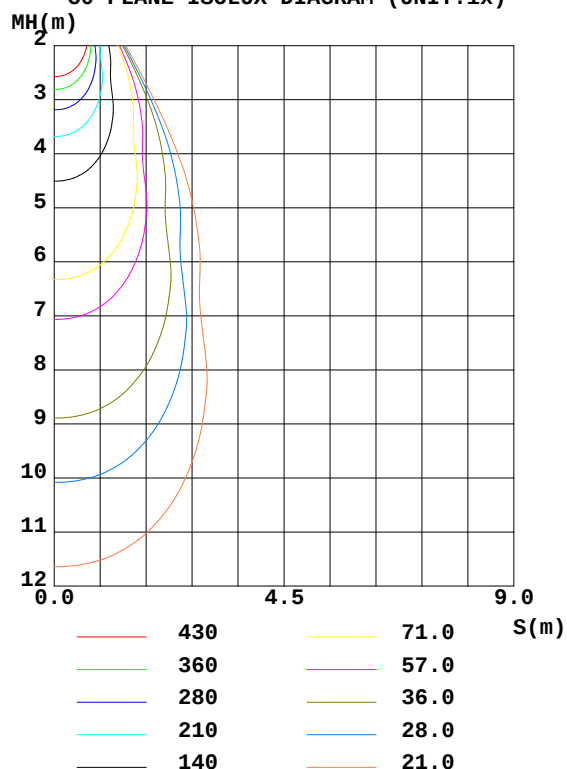
NAME: VM070-VF74SF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.14 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	2829	S/MH(C0/180)	0.75
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.72
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1776.5	η UP, DN(C0-180)	1.2, 48.8
NOMINAL FLUX(lm)	1776.55	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.8
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: 2021-08-14

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:

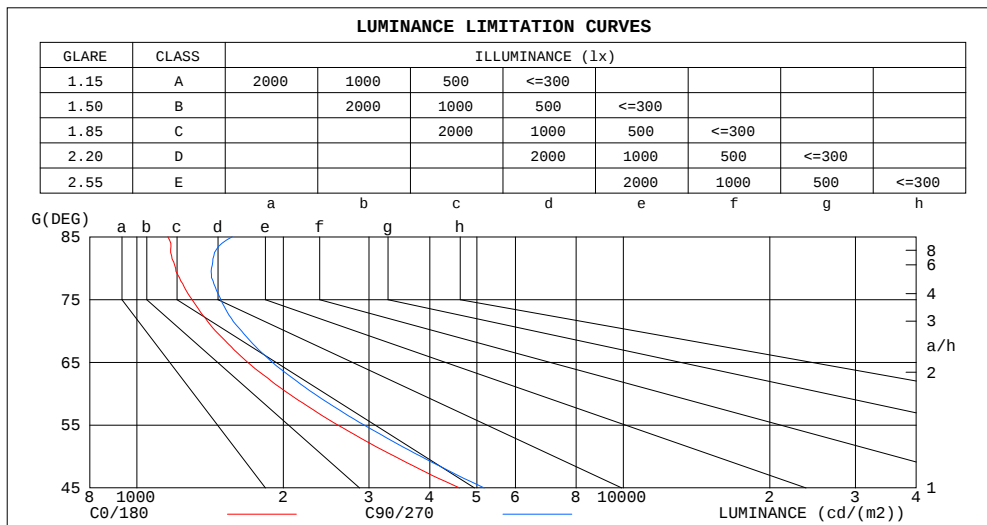
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2599	2588	2598	2608	2633	2635	2637	2609	0- 10	260.2	260.2	14.6,14.6
20	1703	1808	1772	1880	1853	1887	1835	1829	10- 20	630.2	890.4	50.1,50.1
30	651.8	772.9	818.4	1039	894.3	973.6	768.4	697.1	20- 30	579.5	1470	82.7,82.7
40	32.84	72.59	36.03	170.0	39.30	134.8	35.44	62.22	30- 40	228.4	1698	95.6,95.6
50	14.92	9.271	17.01	10.67	18.07	10.67	16.60	9.145	40- 50	18.89	1717	96.7,96.7
60	7.020	4.864	7.983	5.543	8.543	5.407	7.842	4.779	50- 60	8.522	1726	97.1,97.1
70	3.395	2.686	3.870	3.057	4.113	2.918	3.765	2.601	60- 70	4.677	1730	97.4,97.4
80	1.428	1.293	1.704	1.546	1.843	1.409	1.601	1.189	70- 80	2.471	1733	97.5,97.5
90	0.3511	0.3483	0.3610	0.4269	0.4461	0.3270	0.3184	0.3037	80- 90	0.9369	1734	97.6,97.6
100	0.3905	0.4057	0.3869	0.3836	0.3687	0.3459	0.3782	0.3855	90-100	0.3816	1734	97.6,97.6
110	1.045	1.024	0.8412	0.7654	0.6965	0.8345	0.8922	1.127	100-110	0.5817	1735	97.7,97.7
120	3.375	3.258	2.928	2.636	2.480	2.801	2.990	3.428	110-120	1.757	1737	97.7,97.7
130	7.855	7.517	7.294	6.624	6.582	6.778	7.290	7.705	120-130	4.385	1741	98,98
140	13.69	13.28	13.17	12.38	12.38	12.52	13.11	13.48	130-140	7.707	1749	98.4,98.4
150	19.03	18.70	18.73	18.13	18.15	18.28	18.79	18.95	140-150	9.923	1759	99,99
160	21.73	21.72	22.04	21.52	21.47	21.72	22.36	22.01	150-160	9.437	1768	99.5,99.5
170	22.57	22.61	22.83	22.71	22.42	22.90	23.05	22.90	160-170	6.325	1774	99.9,99.9
180	23.60	23.84	23.75	23.97	23.62	23.83	23.75	23.96	170-180	2.208	1777	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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1158	1570
80	1202	1423
75	1298	1488
70	1451	1641
65	1689	1899
60	2052	2316
55	2589	2933
50	3391	3837
45	4606	5179

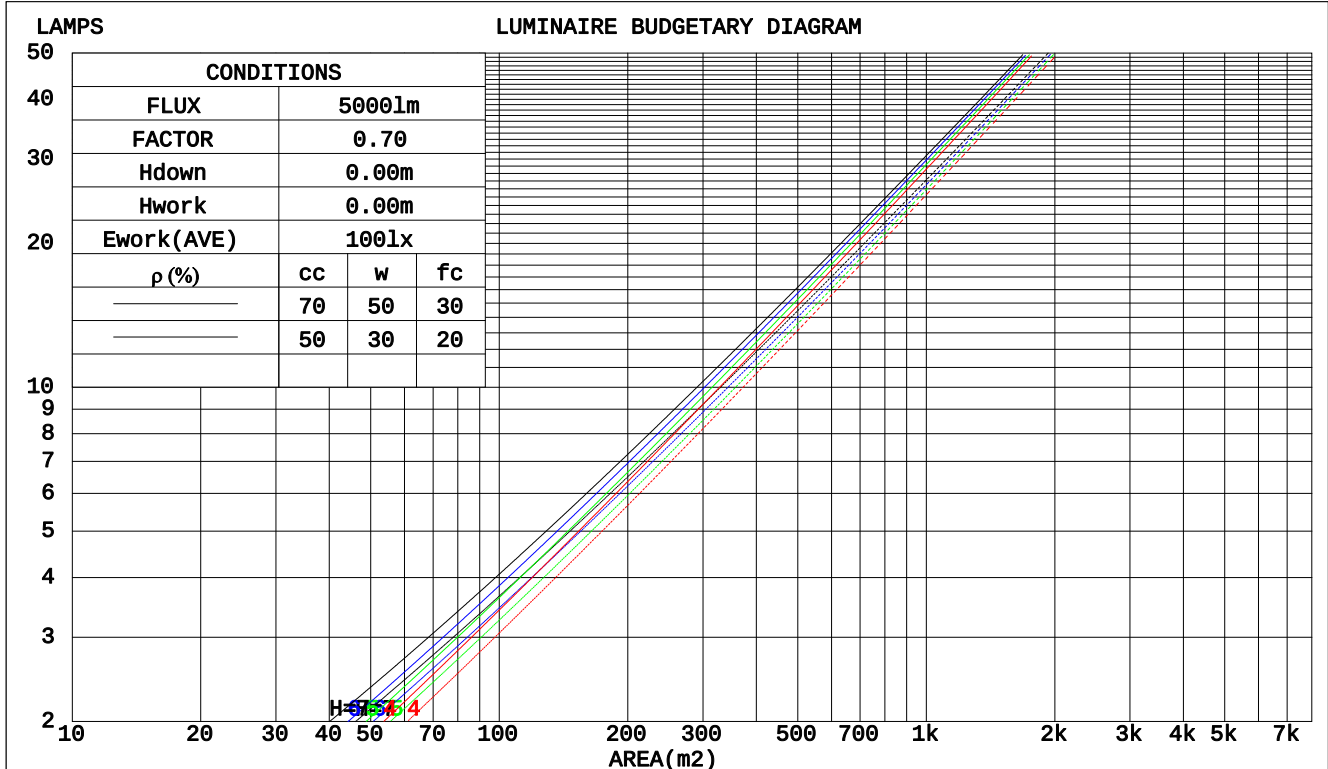
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-14

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-CRI90-55D	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	1.09	1.06	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.95	.94	.92
2.0	1.04	1.00	.97	1.02	.99	.96	.98	.96	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.98	.93	.90	.96	.92	.89	.93	.90	.87	.91	.88	.85	.88	.86	.84	.82
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.86	.83	.80	.84	.82	.79	.78
5.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.82	.79	.76	.81	.78	.75	.74
6.0	.83	.77	.73	.82	.77	.73	.80	.76	.72	.79	.75	.72	.77	.74	.71	.70
7.0	.79	.73	.69	.78	.73	.69	.76	.72	.69	.75	.71	.68	.74	.70	.68	.66
8.0	.75	.69	.66	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.63
9.0	.71	.66	.62	.71	.66	.62	.70	.65	.62	.69	.64	.61	.68	.64	.61	.60
10.0	.68	.63	.59	.67	.62	.59	.66	.62	.59	.66	.61	.59	.65	.61	.58	.57



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-CRI90-55D	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						Wall Exitance Coeffcients(WEC)										
0.0																	
1.0	.166	.094	.030	.158	.090	.029	.144	.083	.026	.132	.076	.024	.120	.069	.022		
2.0	.157	.086	.026	.150	.083	.025	.139	.077	.024	.128	.072	.022	.118	.067	.021		
3.0	.148	.079	.024	.143	.076	.023	.133	.072	.022	.123	.068	.021	.115	.064	.020		
4.0	.140	.073	.021	.136	.071	.021	.127	.067	.020	.119	.064	.019	.111	.061	.018		
5.0	.134	.068	.020	.129	.066	.019	.122	.063	.019	.115	.061	.018	.108	.058	.017		
6.0	.127	.064	.018	.124	.063	.018	.117	.060	.017	.111	.058	.017	.105	.055	.016		
7.0	.122	.060	.017	.119	.059	.017	.113	.057	.016	.107	.055	.016	.102	.053	.016		
8.0	.116	.057	.016	.114	.056	.016	.108	.054	.015	.103	.052	.015	.099	.051	.015		
9.0	.112	.054	.015	.109	.053	.015	.104	.052	.015	.100	.050	.014	.095	.049	.014		
10.0	.107	.051	.014	.105	.051	.014	.101	.049	.014	.097	.048	.014	.093	.047	.013		

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	.110	.104	.098	.064	.060	.057	.020	.019	.018		
2.0	.173	.151	.133	.148	.130	.115	.101	.090	.080	.058	.052	.047	.019	.017	.015		
3.0	.160	.132	.110	.137	.114	.096	.094	.079	.067	.054	.046	.040	.017	.015	.013		
4.0	.149	.117	.093	.128	.101	.081	.088	.071	.057	.051	.041	.034	.016	.013	.011		
5.0	.140	.106	.080	.120	.091	.070	.083	.064	.049	.048	.037	.029	.015	.012	.010		
6.0	.132	.096	.070	.113	.083	.061	.078	.058	.043	.045	.034	.026	.015	.011	.009		
7.0	.125	.088	.063	.108	.077	.055	.074	.054	.039	.043	.032	.023	.014	.010	.008		
8.0	.119	.082	.057	.103	.071	.049	.071	.050	.035	.041	.030	.021	.013	.010	.007		
9.0	.114	.077	.052	.098	.067	.045	.068	.047	.032	.040	.028	.019	.013	.009	.006		
10.0	.110	.072	.048	.095	.063	.041	.066	.044	.029	.038	.026	.018	.012	.009	.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-CRI90-55D						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						14.3	15.1	14.5	15.3	15.5	16.3
3H						14.2	14.9	14.4	15.2	15.4	16.2
4H						14.1	14.8	14.4	15.1	15.3	16.1
6H						14.0	14.7	14.4	15.0	15.3	16.0
8H						14.0	14.6	14.3	14.9	15.2	16.0
12H						13.9	14.6	14.3	14.9	15.2	16.0
4H 2H						14.0	14.8	14.3	15.0	15.3	16.1
3H						13.9	14.5	14.3	14.8	15.2	15.9
4H						13.9	14.4	14.2	14.8	15.1	15.9
6H						13.8	14.3	14.2	14.7	15.1	15.8
8H						13.8	14.2	14.2	14.6	15.0	15.7
12H						13.7	14.1	14.2	14.6	15.0	15.7
8H 4H						13.7	14.2	14.1	14.6	15.0	15.7
6H						13.7	14.0	14.1	14.5	14.9	15.6
8H						13.6	14.0	14.1	14.4	14.9	15.6
12H						13.6	13.9	14.1	14.4	14.9	15.6
12H 4H						13.7	14.1	14.1	14.5	14.9	15.7
6H						13.6	13.9	14.1	14.4	14.9	15.6
8H						13.6	13.9	14.1	14.3	14.9	15.5
Variations with the observer position at spacings:											
S = 1.0H						+ 2.1 / - 1.7			+ 4.0 / - 3.3		
1.5H						+ 3.5 / - 1.8			+ 6.2 / - 3.4		
2.0H						+ 2.3 / - 1.4			+ 2.5 / - 1.5		

CIE Pub.117, 1777 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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

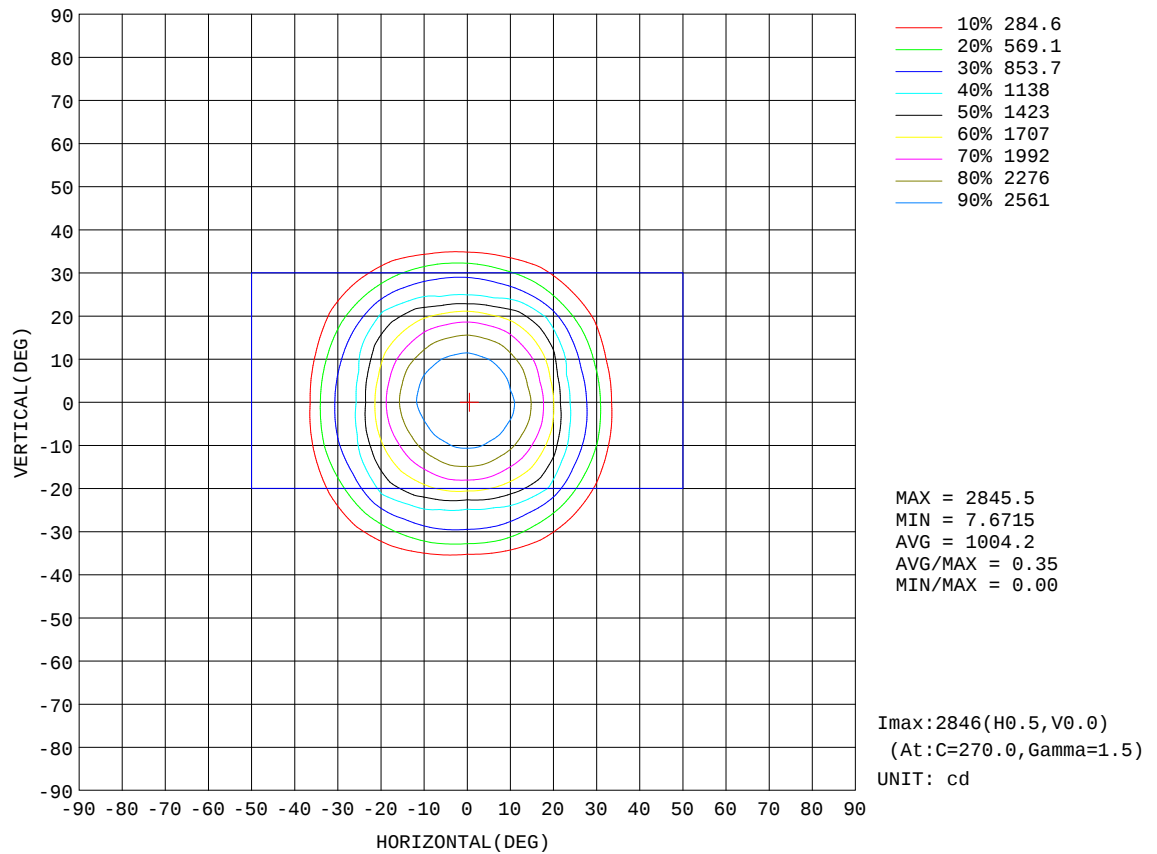
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	89	83	79	88	83	79	87	82	79	76
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	97	94	90	86
1.25	104	99	95	102	98	95	100	97	94	90
1.50	106	102	98	105	101	98	102	99	97	92
2.00	108	105	101	107	103	101	104	101	99	93
2.50	110	106	104	108	105	103	105	102	100	94
3.00	112	108	106	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	107	106	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										
SHR _{NOM} = 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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

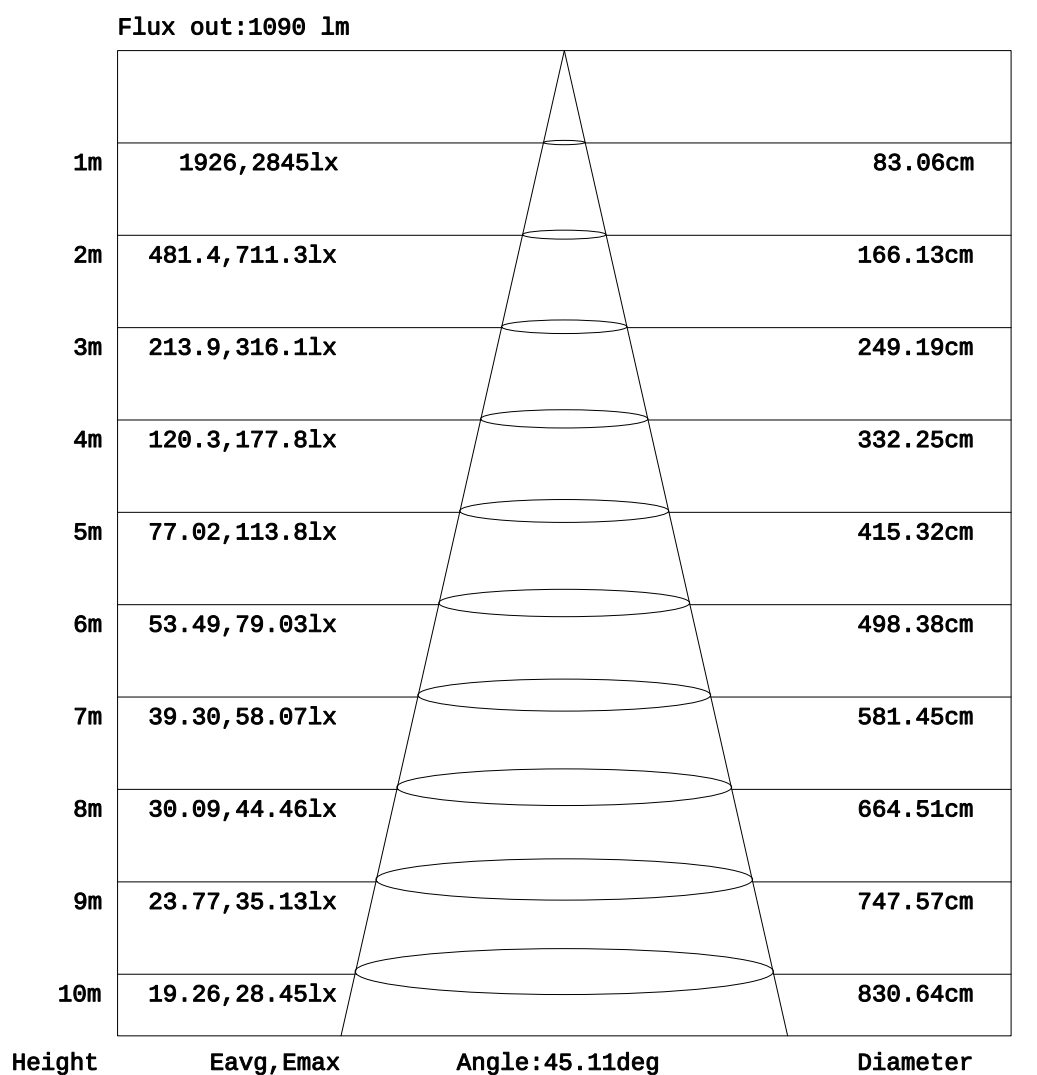


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-14

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



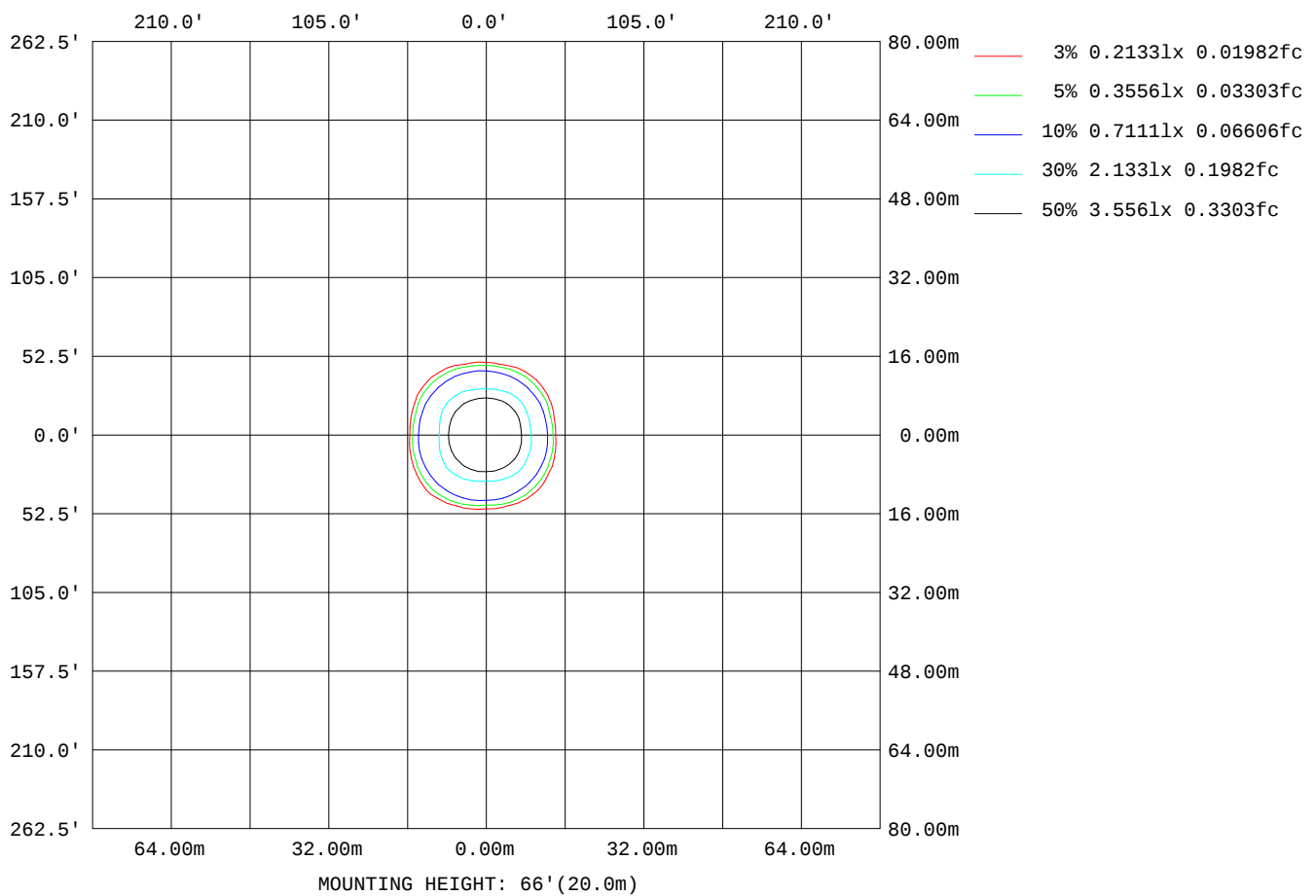
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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-CRI90-55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

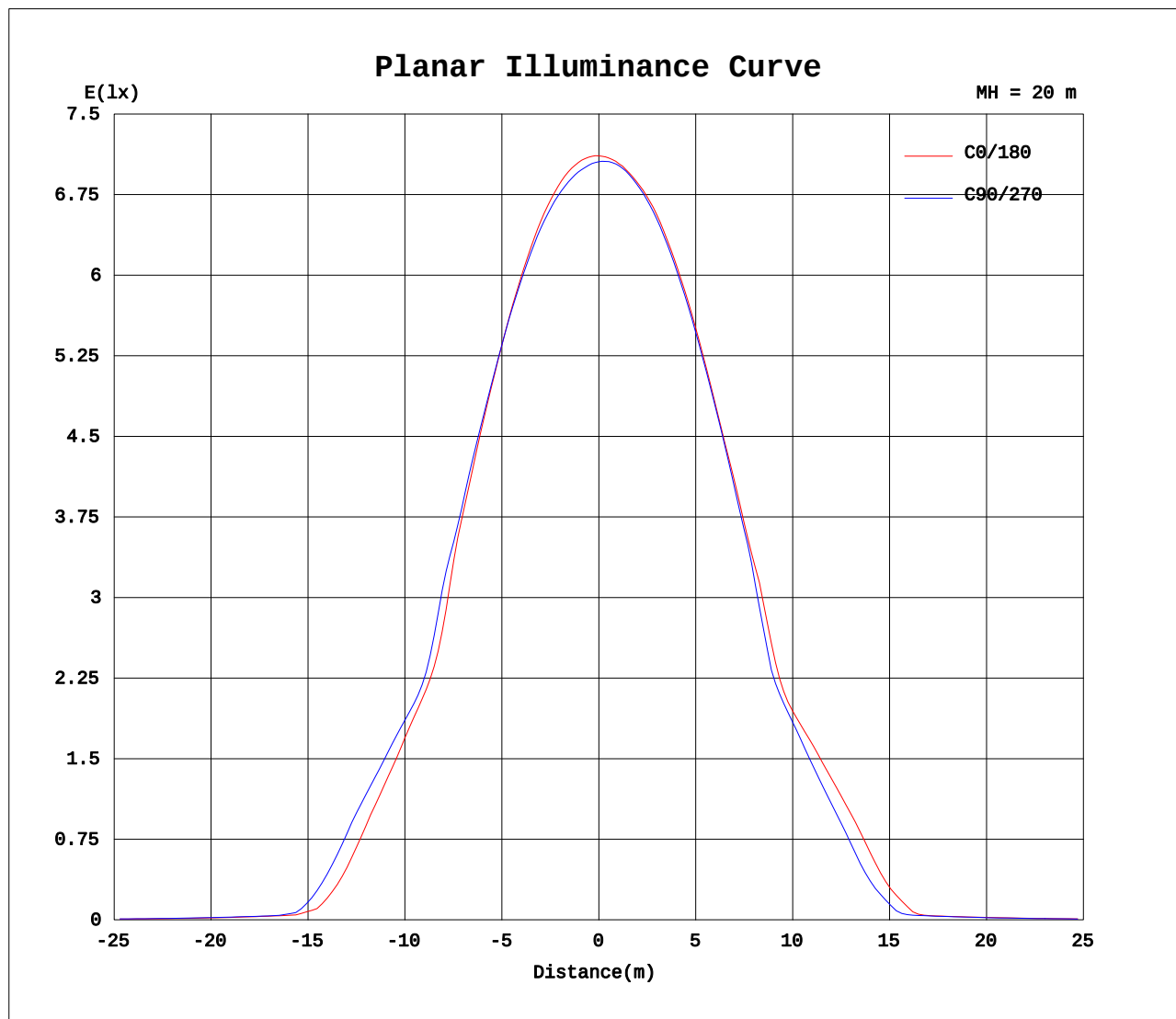
AvgL	cd/m2
L_0~180(65)av	1857
L_0~180(75)av	1437
L_0~180(85)av	1405
L_90~270(65)av	1885
L_90~270(75)av	1461
L_90~270(85)av	1484
L_45(65)av	1308
L_45(75)av	1137
L_45(85)av	1293

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-CRI90-55D	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	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825	2825
5	2783	2781	2773	2772	2765	2768	2765	2769	2766	2771	2773	2778	2779	2781	2788	2787	2792	2789	2794
10	2599	2602	2583	2588	2580	2598	2598	2607	2595	2608	2609	2630	2633	2636	2645	2635	2638	2629	2637
15	2245	2258	2244	2258	2244	2267	2270	2291	2280	2295	2294	2321	2322	2319	2341	2325	2335	2315	2324
20	1703	1750	1777	1808	1792	1785	1772	1825	1853	1880	1875	1889	1853	1858	1900	1887	1897	1840	1835
25	1051	1095	1208	1345	1287	1156	1125	1199	1393	1478	1429	1327	1199	1256	1422	1450	1376	1158	1131
30	652	698	722	773	779	811	818	862	894	1039	927	931	894	895	913	974	857	801	768
35	148	207	276	310	341	336	312	405	476	518	511	520	452	462	486	455	419	322	264
40	32.8	31.7	30.3	27.6	27.4	33.5	36.0	36.8	88.3	170	123	57.5	39.3	50.7	117	135	70.7	35.7	35.4
45	22.3	21.5	16.8	13.7	16.7	23.1	25.3	24.8	19.6	18.8	19.8	25.8	26.8	25.2	19.9	16.9	20.5	24.6	24.7
50	14.9	14.2	10.9	9.27	11.1	15.3	17.0	16.4	12.8	10.7	13.0	17.3	18.1	16.7	12.9	10.7	13.3	16.2	16.6
55	10.2	9.59	7.49	6.63	7.70	10.4	11.6	11.1	8.66	7.59	8.88	11.8	12.4	11.3	8.78	7.50	8.92	11.0	11.3
60	7.02	6.63	5.32	4.86	5.51	7.21	7.98	7.64	6.12	5.54	6.32	8.13	8.54	7.79	6.20	5.41	6.24	7.57	7.84
65	4.88	4.65	3.86	3.62	4.01	5.07	5.53	5.33	4.41	4.12	4.59	5.69	5.93	5.42	4.45	3.97	4.46	5.25	5.44
70	3.39	3.26	2.81	2.69	2.94	3.58	3.87	3.75	3.21	3.06	3.35	4.02	4.11	3.79	3.20	2.92	3.20	3.65	3.76
75	2.30	2.24	1.99	1.94	2.10	2.48	2.66	2.61	2.30	2.24	2.42	2.81	2.82	2.62	2.28	2.09	2.25	2.49	2.56
80	1.43	1.41	1.29	1.29	1.39	1.61	1.70	1.71	1.56	1.55	1.65	1.88	1.84	1.73	1.54	1.41	1.49	1.59	1.60
85	0.69	0.74	0.70	0.72	0.77	0.89	0.94	0.98	0.93	0.94	1.00	1.11	1.00	0.78	0.87	0.82	0.85	0.85	0.84
90	0.35	0.35	0.35	0.35	0.34	0.35	0.36	0.38	0.39	0.43	0.45	0.51	0.45	0.38	0.37	0.33	0.31	0.32	0.32
95	0.37	0.37	0.36	0.37	0.36	0.37	0.37	0.37	0.35	0.36	0.35	0.37	0.34	0.32	0.33	0.31	0.33	0.32	0.35
100	0.39	0.40	0.40	0.41	0.39	0.40	0.39	0.39	0.37	0.38	0.37	0.39	0.37	0.35	0.35	0.35	0.36	0.35	0.38
105	0.54	0.55	0.58	0.57	0.54	0.50	0.47	0.47	0.47	0.47	0.45	0.44	0.42	0.43	0.46	0.47	0.48	0.48	0.49
110	1.05	1.03	1.06	1.02	0.99	0.89	0.84	0.79	0.80	0.77	0.75	0.69	0.70	0.74	0.77	0.83	0.84	0.88	0.89
115	1.94	1.92	1.98	1.91	1.85	1.68	1.61	1.52	1.53	1.46	1.42	1.33	1.34	1.41	1.49	1.59	1.59	1.65	1.68
120	3.37	3.32	3.36	3.26	3.21	3.01	2.93	2.78	2.77	2.64	2.60	2.48	2.48	2.60	2.66	2.80	2.82	2.94	2.99
125	5.38	5.29	5.29	5.13	5.09	4.91	4.86	4.64	4.55	4.37	4.34	4.22	4.26	4.35	4.36	4.52	4.58	4.78	4.89
130	7.86	7.74	7.72	7.52	7.50	7.33	7.29	7.02	6.88	6.62	6.62	6.51	6.58	6.64	6.62	6.78	6.88	7.15	7.29
135	10.7	10.6	10.5	10.3	10.3	10.2	10.1	9.83	9.65	9.36	9.36	9.26	9.34	9.41	9.34	9.51	9.62	9.96	10.1
140	13.7	13.6	13.5	13.3	13.3	13.2	13.2	12.9	12.7	12.4	12.4	12.3	12.4	12.5	12.3	12.5	12.6	13.0	13.1
145	16.6	16.5	16.3	16.2	16.2	16.2	16.2	15.9	15.7	15.4	15.4	15.4	15.4	15.5	15.4	15.5	15.6	16.0	16.1
150	19.0	18.9	18.8	18.7	18.8	18.7	18.7	18.5	18.4	18.1	18.1	18.1	18.1	18.2	18.1	18.3	18.4	18.7	18.8
155	20.8	20.7	20.7	20.6	20.7	20.8	20.8	20.6	20.4	20.2	20.3	20.2	20.3	20.3	20.2	20.4	20.6	20.9	21.0
160	21.7	21.6	21.7	21.7	21.8	22.0	22.0	21.9	21.7	21.5	21.6	21.5	21.5	21.6	21.6	21.7	21.9	22.2	22.4
165	22.2	22.2	22.1	22.2	22.4	22.5	22.6	22.5	22.3	22.2	22.1	22.2	22.0	22.2	22.2	22.4	22.5	22.8	22.9
170	22.6	22.6	22.6	22.6	22.7	22.8	22.8	22.8	22.7	22.7	22.8	22.7	22.4	22.7	22.8	22.9	22.9	23.0	23.1
175	23.0	23.1	23.1	23.3	23.3	23.2	23.2	23.2	23.3	23.5	23.5	23.4	23.1	23.3	23.4	23.6	23.6	23.5	23.4
180	23.6	23.7	23.7	23.8	23.8	23.7	23.8	23.7	23.8	24.0	23.9	23.8	23.6	23.7	23.7	23.8	23.8	23.7	23.8

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM070-VF74SF01-20W	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	2825	2825	2825	2825	2825													
5	2791	2790	2785	2787	2780													
10	2622	2622	2609	2608	2594													
15	2306	2317	2291	2281	2242													
20	1812	1863	1829	1803	1713													
25	1129	1305	1316	1188	1052													
30	724	728	697	679	634													
35	256	298	269	256	160													
40	32.1	40.7	62.2	28.5	30.8													
45	22.0	16.6	13.3	16.7	20.8													
50	14.5	10.9	9.15	10.9	13.7													
55	9.87	7.58	6.53	7.54	9.31													
60	6.85	5.43	4.78	5.36	6.45													
65	4.81	3.95	3.54	3.89	4.52													
70	3.37	2.86	2.60	2.80	3.16													
75	2.31	2.02	1.84	1.96	2.14													
80	1.46	1.30	1.19	1.25	1.32													
85	0.76	0.69	0.62	0.64	0.58													
90	0.31	0.31	0.30	0.32	0.31													
95	0.33	0.34	0.32	0.34	0.34													
100	0.37	0.38	0.39	0.39	0.37													
105	0.52	0.57	0.60	0.60	0.57													
110	0.98	1.04	1.13	1.10	1.11													
115	1.84	1.92	2.06	2.03	2.05													
120	3.19	3.27	3.43	3.43	3.50													
125	5.09	5.14	5.32	5.35	5.49													
130	7.49	7.52	7.70	7.78	7.98													
135	10.3	10.3	10.5	10.6	10.8													
140	13.3	13.3	13.5	13.6	13.8													
145	16.3	16.2	16.4	16.5	16.7													
150	18.9	18.9	18.9	18.9	19.1													
155	21.1	21.0	20.9	20.8	20.9													
160	22.3	22.2	22.0	21.9	21.8													
165	22.9	22.7	22.5	22.3	22.4													
170	23.1	23.0	22.9	22.9	22.8													
175	23.5	23.6	23.6	23.4	23.3													
180	23.7	23.8	24.0	23.9	23.8													

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: