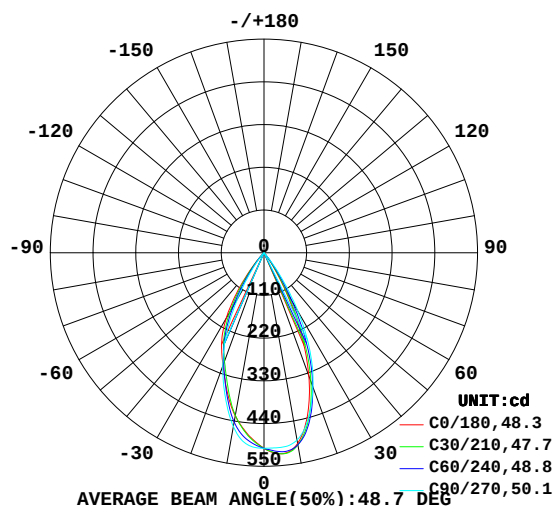


LUMINAIRE PHOTOMETRIC TEST REPORT

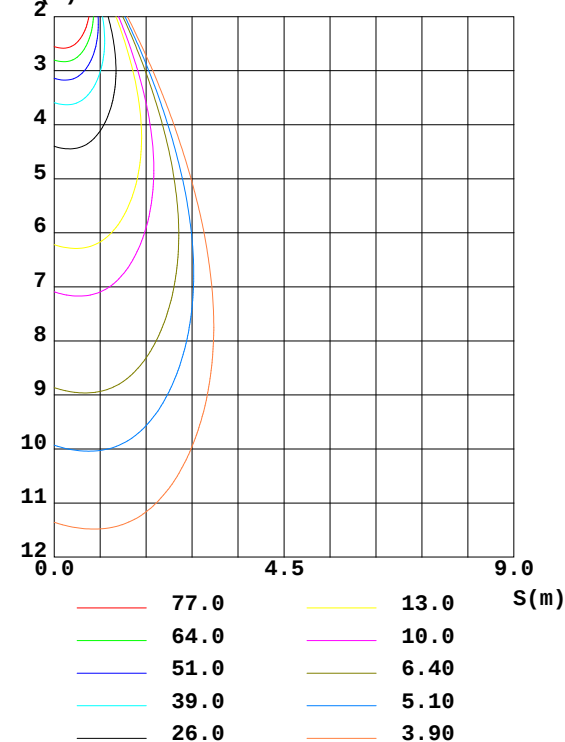
NAME: VM050-VF51RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 63.53 lm/W			
MODEL	VM050-VF51RA01-5W	Imax(cd)	521.3	S/MH(C0/180)	0.74
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.74
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	325.88	η UP, DN(C0-180)	1.2, 51.5
NOMINAL FLUX(lm)	325.882	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 46.0
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	97.6	CIBSE SHR MAX	0.75

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: 2021-8-16

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:

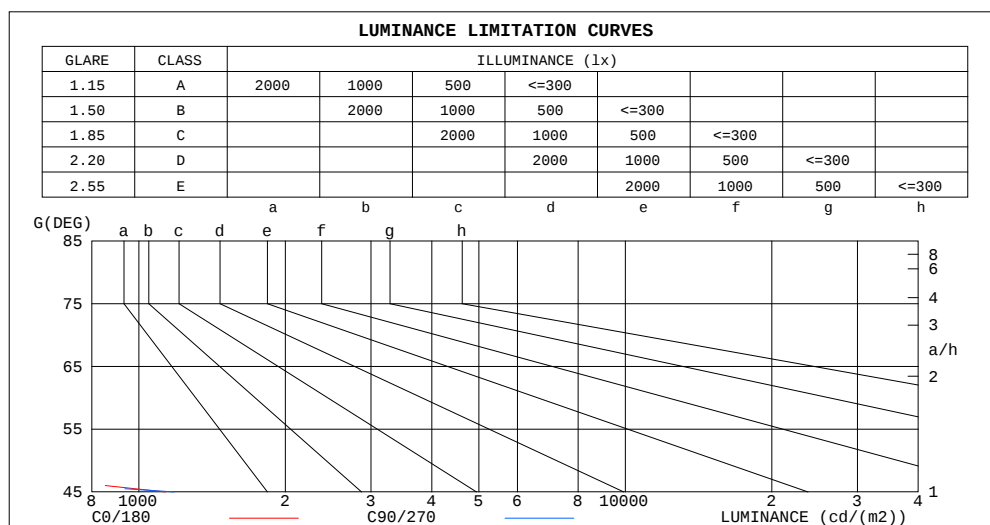
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	498.7	504.5	489.8	454.1	426.4	432.2	454.4	468.0	0- 10	46.47	46.47	14.3,14.3
20	337.6	364.3	367.9	339.8	309.2	297.6	311.0	311.3	10- 20	112.0	158.4	48.6,48.6
30	104.1	135.2	176.3	205.4	194.9	163.6	134.8	101.3	20- 30	110.1	268.5	82.4,82.4
40	7.807	9.956	16.21	32.34	36.52	28.16	17.21	9.039	30- 40	45.68	314.2	96.4,96.4
50	0.4078	0.2960	0.2637	0.3034	0.3771	0.5304	0.5972	0.5165	40- 50	3.506	317.7	97.5,97.5
60	0.0709	0.0553	0.0596	0.0529	0.0576	0.0841	0.0815	0.0971	50- 60	0.1594	317.8	97.5,97.5
70	0.0575	0.0576	0.0552	0.0551	0.0531	0.0576	0.0442	0.0529	60- 70	0.0567	317.9	97.5,97.5
80	0.0597	0.0664	0.0552	0.0595	0.0575	0.0531	0.0552	0.0463	70- 80	0.0581	317.9	97.6,97.6
90	0.0641	0.0642	0.0618	0.0683	0.0597	0.0553	0.0597	0.0463	80- 90	0.0632	318.0	97.6,97.6
100	0.0664	0.0775	0.0641	0.0728	0.0686	0.0598	0.0663	0.0594	90-100	0.0673	318.1	97.6,97.6
110	0.2141	0.1994	0.1412	0.1236	0.1307	0.1282	0.1813	0.2091	100-110	0.1036	318.2	97.6,97.6
120	0.6804	0.6091	0.5096	0.4301	0.4430	0.5107	0.6191	0.6892	110-120	0.3265	318.5	97.7,97.7
130	1.459	1.345	1.242	1.142	1.202	1.325	1.452	1.520	120-130	0.8141	319.3	98,98
140	2.496	2.376	2.269	2.198	2.291	2.438	2.557	2.590	130-140	1.423	320.7	98.4,98.4
150	3.492	3.394	3.319	3.264	3.365	3.477	3.583	3.558	140-150	1.831	322.6	99,99
160	4.087	4.067	3.997	3.912	3.939	3.989	4.108	4.057	150-160	1.737	324.3	99.5,99.5
170	4.311	4.317	4.243	4.136	4.123	4.135	4.194	4.198	160-170	1.167	325.5	99.9,99.9
180	4.381	4.416	4.347	4.365	4.384	4.403	4.358	4.365	170-180	0.4065	325.9	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:2021-8-16

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: VM050-VF51RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	530	494
80	248	230
75	160	154
70	121	117
65	98	94
60	102	86
55	206	128
50	458	296
45	1135	1181

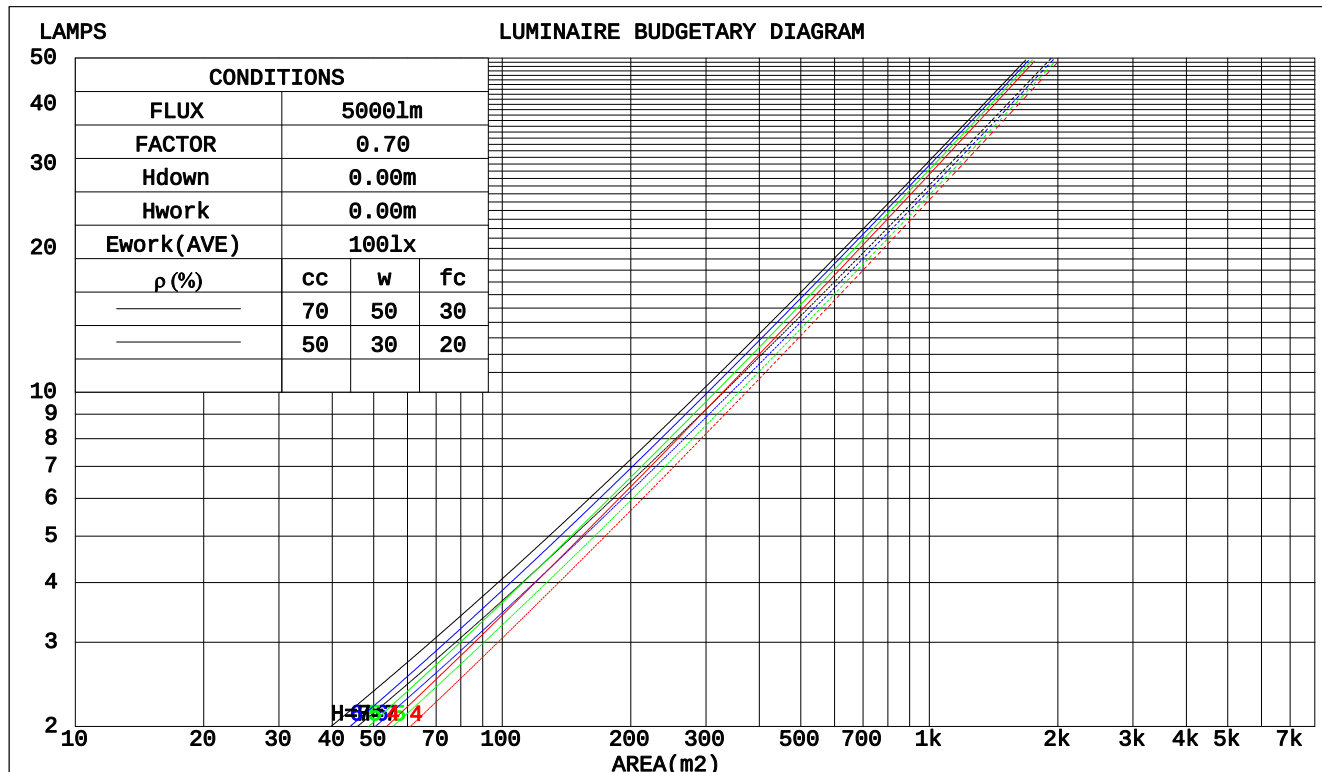
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-16

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: VM050-VF51RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 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						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	1.07	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.98	.96	.95	.94	.92
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.95	.93	.91	.92	.90	.89	.87
3.0	.98	.93	.90	.96	.92	.89	.93	.90	.87	.91	.88	.86	.88	.86	.84	.82
4.0	.92	.87	.84	.91	.86	.83	.89	.85	.82	.86	.83	.81	.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	.78	.75	.72	.77	.74	.71	.70
7.0	.78	.73	.69	.78	.73	.69	.76	.72	.68	.75	.71	.68	.74	.70	.67	.66
8.0	.75	.69	.65	.74	.69	.65	.73	.68	.65	.71	.67	.64	.70	.67	.64	.63
9.0	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.67	.64	.61	.60
10.0	.68	.62	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.64	.61	.58	.57



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-16

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: VM050-VF51RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 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 Coefficients(WEC)										
0.0																	
1.0	.165	.094	.030	.157	.090	.028	.143	.082	.026	.130	.075	.024	.119	.069	.022		
2.0	.156	.085	.026	.149	.082	.025	.138	.077	.024	.127	.071	.022	.117	.066	.021		
3.0	.148	.079	.024	.142	.076	.023	.132	.072	.022	.123	.067	.021	.114	.063	.020		
4.0	.140	.073	.021	.136	.071	.021	.127	.067	.020	.119	.064	.019	.111	.060	.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	.117	.057	.016	.114	.056	.016	.109	.054	.016	.104	.052	.015	.099	.051	.015		
9.0	.112	.054	.015	.110	.053	.015	.105	.052	.015	.100	.050	.014	.096	.049	.014		
10.0	.108	.052	.014	.106	.051	.014	.101	.050	.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	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.189	.176	.164	.162	.151	.142	.111	.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	.081	.120	.091	.070	.083	.064	.049	.048	.038	.029	.015	.012	.010	
6.0	.132	.096	.071	.114	.083	.061	.078	.058	.043	.045	.034	.026	.015	.011	.009	
7.0	.125	.089	.063	.108	.077	.055	.075	.054	.039	.043	.032	.023	.014	.010	.008	
8.0	.120	.082	.057	.103	.071	.049	.071	.050	.035	.041	.030	.021	.013	.010	.007	
9.0	.115	.077	.052	.099	.067	.045	.068	.047	.032	.040	.028	.019	.013	.009	.006	
10.0	.110	.073	.048	.095	.063	.042	.066	.044	.030	.038	.026	.018	.012	.009	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-16

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: VM050-VF51RA01-5W						TYPE:indoor light			WEIGHT:1		
SPEC.:3000K CIR90 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	16.5	17.3	16.7	17.5	17.7	20.0	20.8	20.2	21.0	21.2	
3H	16.3	17.1	16.6	17.3	17.5	19.8	20.6	20.1	20.8	21.0	
4H	16.2	16.9	16.5	17.2	17.4	19.7	20.4	20.0	20.7	20.9	
6H	16.1	16.8	16.4	17.1	17.4	19.6	20.3	19.9	20.6	20.9	
8H	16.1	16.7	16.4	17.0	17.3	19.6	20.2	19.9	20.5	20.8	
12H	16.0	16.6	16.4	17.0	17.3	19.5	20.1	19.9	20.4	20.8	
4H 2H	16.2	16.9	16.5	17.2	17.4	19.7	20.4	20.0	20.7	20.9	
3H	16.0	16.6	16.4	16.9	17.3	19.5	20.1	19.9	20.4	20.8	
4H	15.9	16.5	16.3	16.8	17.2	19.4	20.0	19.8	20.3	20.7	
6H	15.8	16.3	16.2	16.7	17.1	19.3	19.8	19.7	20.2	20.6	
8H	15.8	16.2	16.2	16.6	17.0	19.3	19.7	19.7	20.1	20.5	
12H	15.7	16.1	16.2	16.5	17.0	19.2	19.6	19.6	20.0	20.5	
8H 4H	15.8	16.2	16.2	16.6	17.0	19.3	19.7	19.7	20.1	20.5	
6H	15.6	16.0	16.1	16.5	16.9	19.1	19.5	19.6	20.0	20.4	
8H	15.6	15.9	16.1	16.4	16.9	19.1	19.4	19.6	19.9	20.4	
12H	15.5	15.8	16.0	16.3	16.8	19.0	19.3	19.5	19.8	20.3	
12H 4H	15.7	16.1	16.1	16.5	17.0	19.2	19.6	19.6	20.0	20.5	
6H	15.6	15.9	16.1	16.4	16.9	19.1	19.4	19.6	19.9	20.4	
8H	15.5	15.8	16.0	16.3	16.8	19.0	19.3	19.5	19.8	20.3	
Variations with the observer position at spacings:											
S = 1.0H	+ 4.3 / -14.7					+ 5.5 / -20.0					
1.5H	+ 7.0 / -14.4					+ 8.3 / -19.6					
2.0H	+ 4.8 / - 1.5					+ 5.4 / - 1.4					

CIE Pub.117, 325.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.9)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-16

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: VM050-VF51RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

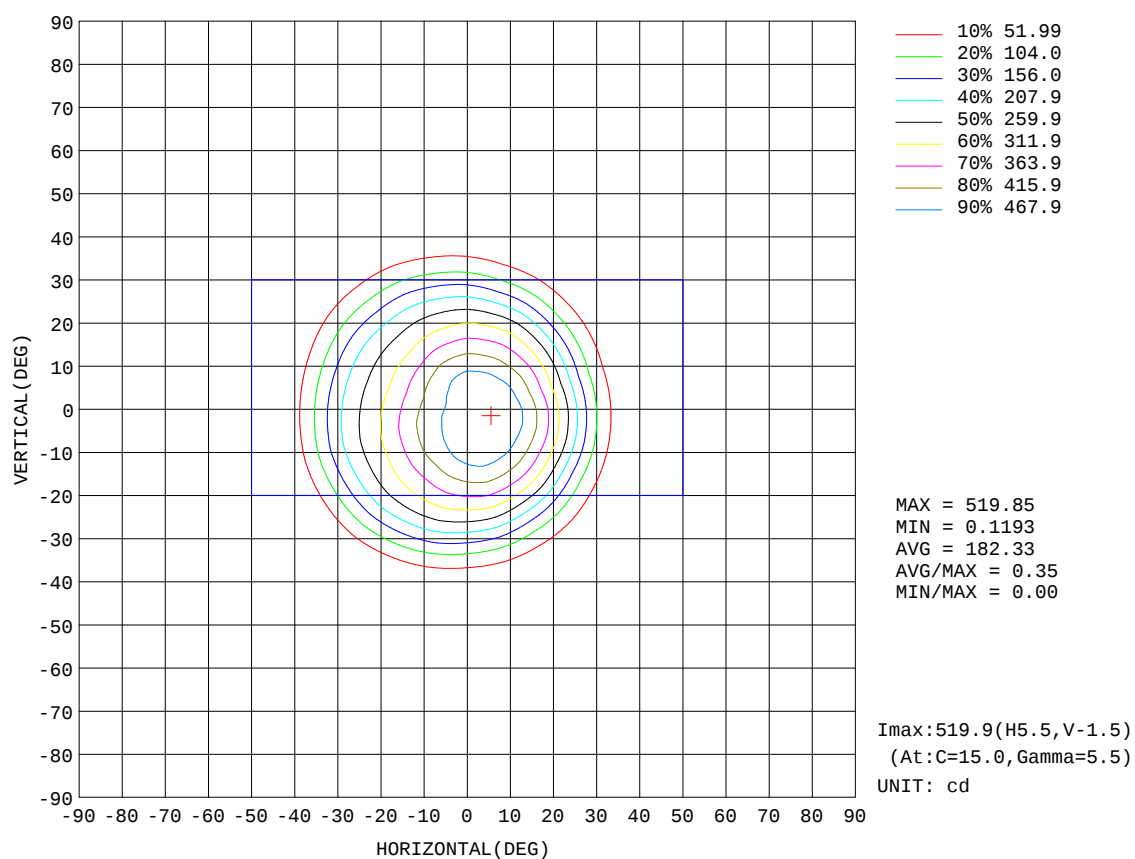
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	89	84	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	87	94	90	87	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	104	101	99	94
2.50	110	107	104	109	105	103	105	103	101	94
3.00	112	109	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	113	111	109	108	107	106	98
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:2021-8-16

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: VM050-VF51RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

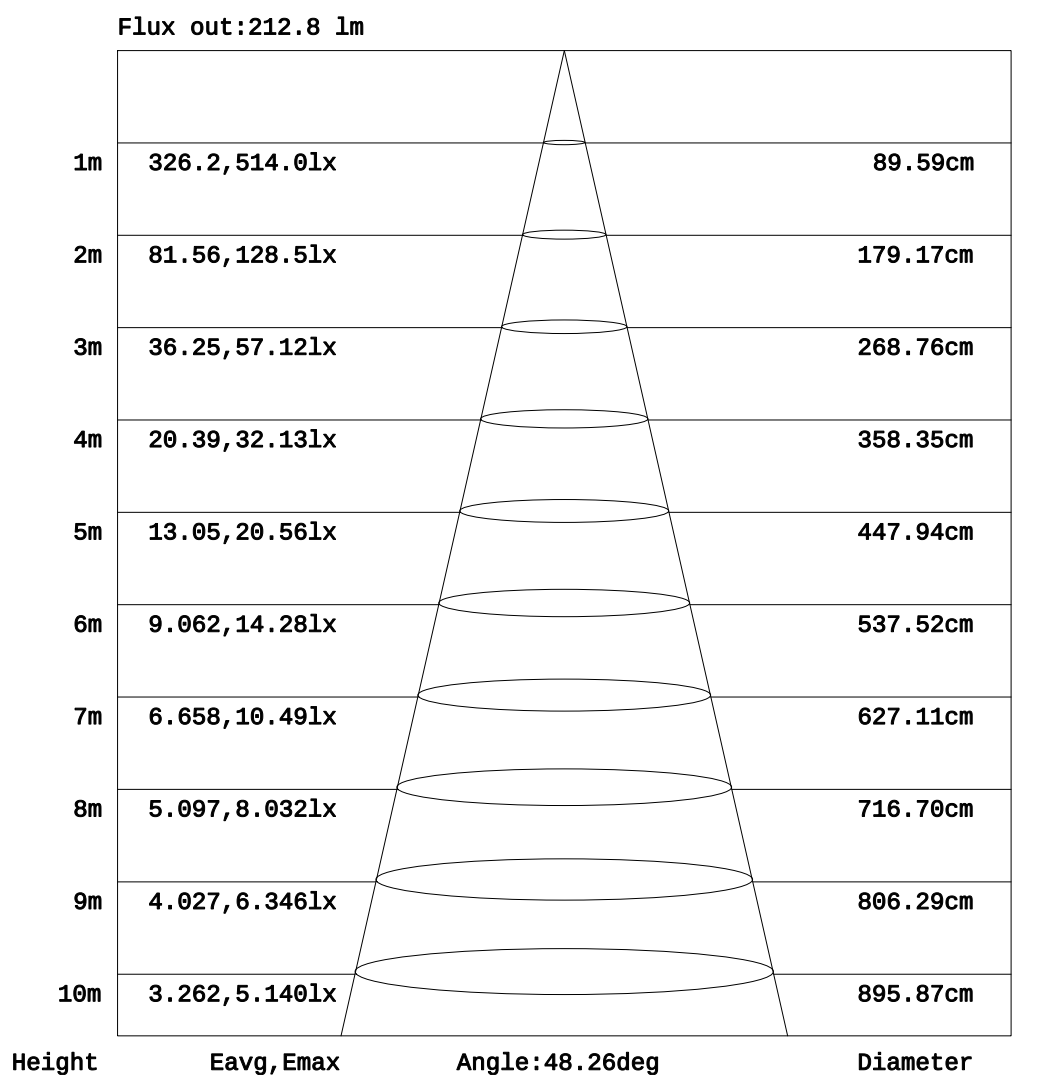


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-16

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: VM050-VF51RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



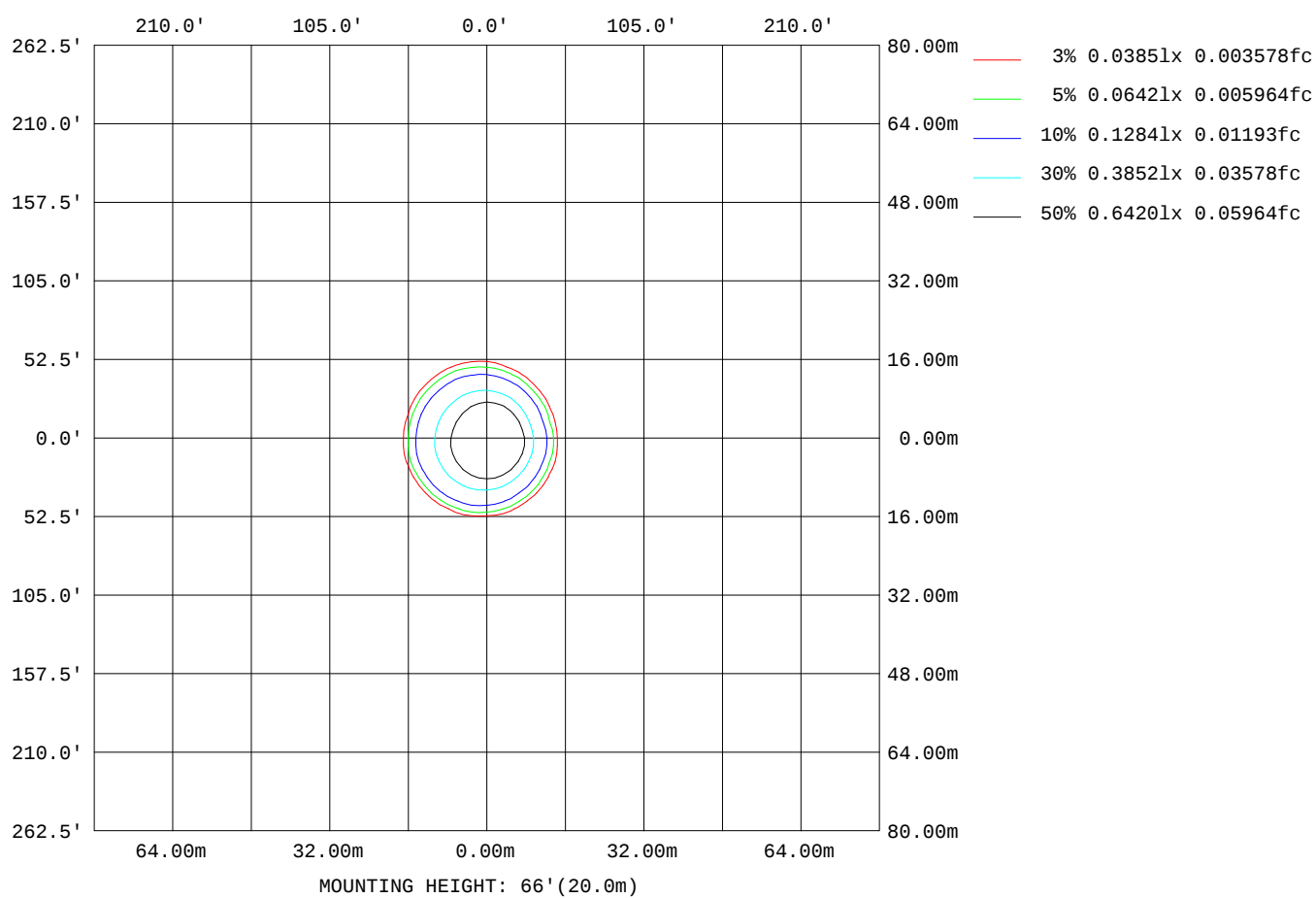
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-16

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: VM050-VF51RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 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: 2021-8-16

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: VM050-VF51RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

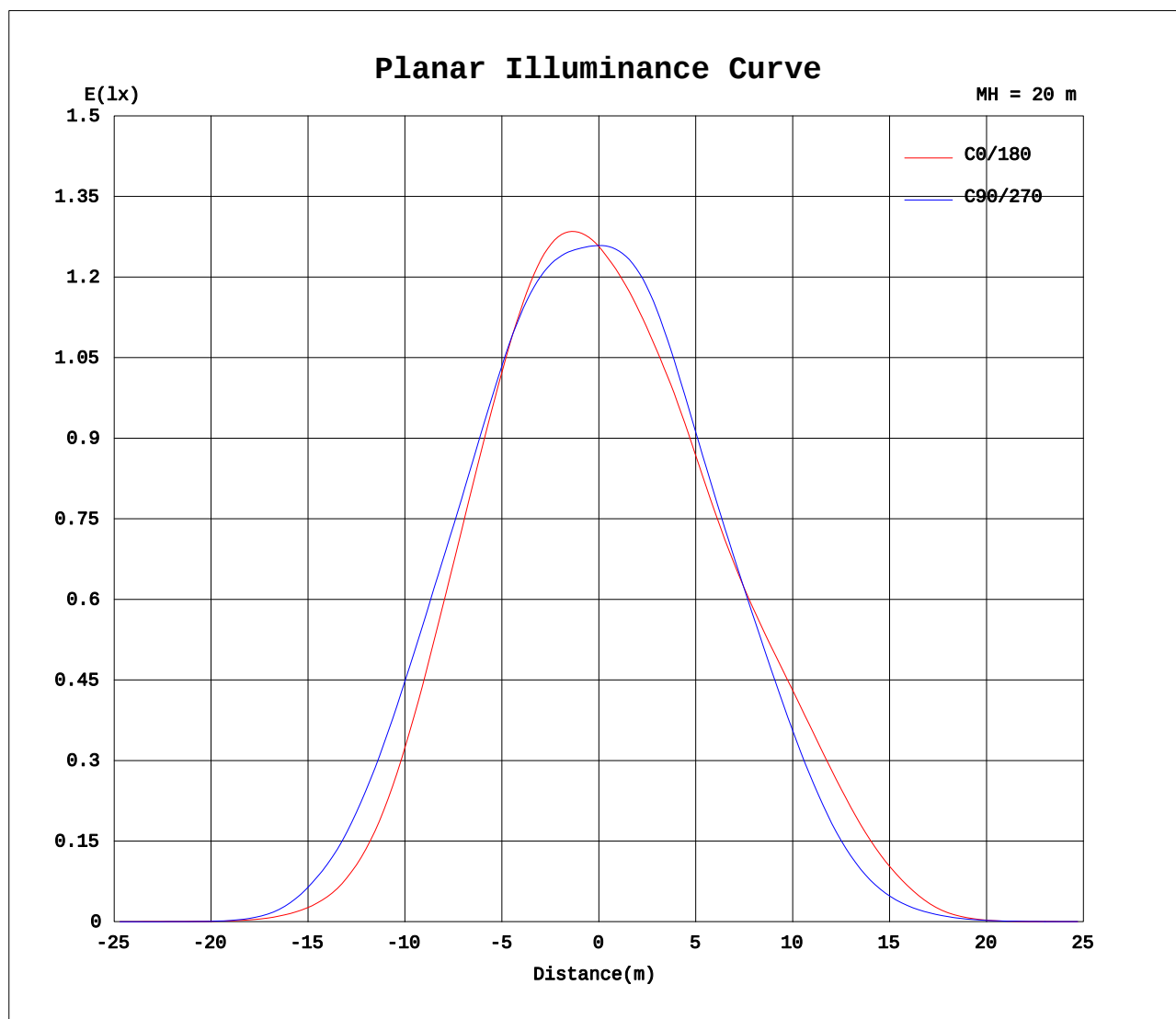
AvgL	cd/m2
L_0~180(65)av	94
L_0~180(75)av	154
L_0~180(85)av	513
L_90~270(65)av	87
L_90~270(75)av	139
L_90~270(85)av	485
L_45(65)av	98
L_45(75)av	156
L_45(85)av	476

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-16

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: 2021-8-16

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: VM050-VF51RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 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	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503
5	520	521	520	518	514	509	503	496	489	483	478	474	470	469	473	477	484	490	496
10	499	504	503	504	502	499	490	478	465	454	444	435	426	422	425	432	443	448	454
15	433	443	444	450	451	452	441	429	413	403	391	381	369	359	359	363	373	378	385
20	338	351	354	364	367	374	368	362	349	340	328	320	309	300	298	298	304	306	311
25	220	234	237	253	262	278	281	287	283	280	272	267	258	250	244	238	238	231	228
30	104	114	118	135	146	166	176	192	199	205	203	204	195	184	176	164	158	144	135
35	34.1	38.1	40.9	49.4	56.6	69.0	78.0	92.4	102	112	114	119	111	101	95.0	83.5	76.8	65.5	56.6
40	7.81	8.35	8.34	9.96	10.8	14.0	16.2	21.8	25.8	32.3	34.9	40.2	36.5	33.3	32.9	28.2	25.7	20.4	17.2
45	1.11	1.04	0.93	0.95	0.92	1.07	1.16	1.52	1.79	2.62	3.04	4.02	3.59	3.40	4.03	3.75	3.91	3.31	3.02
50	0.41	0.36	0.32	0.30	0.28	0.26	0.26	0.26	0.28	0.30	0.33	0.37	0.38	0.41	0.48	0.53	0.58	0.59	0.60
55	0.16	0.13	0.12	0.10	0.11	0.09	0.10	0.09	0.11	0.09	0.12	0.12	0.12	0.15	0.15	0.19	0.20	0.23	0.23
60	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.07	0.05	0.07	0.06	0.06	0.07	0.06	0.08	0.07	0.10	0.08
65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.06	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05
70	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.04
75	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.04
80	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.05	0.05	0.06
85	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.06	0.05	0.06
90	0.06	0.07	0.06	0.06	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.05	0.06	0.06	0.06	0.05	0.06
95	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
100	0.07	0.08	0.06	0.08	0.06	0.08	0.06	0.08	0.06	0.07	0.06	0.07	0.07	0.06	0.07	0.06	0.06	0.06	0.07
105	0.10	0.12	0.09	0.11	0.09	0.10	0.08	0.09	0.07	0.09	0.07	0.08	0.08	0.06	0.07	0.06	0.08	0.07	0.10
110	0.21	0.22	0.20	0.20	0.17	0.17	0.14	0.15	0.12	0.12	0.10	0.12	0.13	0.12	0.13	0.13	0.15	0.15	0.18
115	0.41	0.40	0.37	0.36	0.33	0.32	0.28	0.27	0.24	0.23	0.20	0.22	0.24	0.23	0.25	0.26	0.30	0.31	0.35
120	0.68	0.66	0.63	0.61	0.57	0.54	0.51	0.48	0.45	0.43	0.41	0.41	0.44	0.45	0.48	0.51	0.54	0.58	0.62
125	1.03	1.00	0.97	0.93	0.90	0.86	0.83	0.79	0.76	0.74	0.73	0.72	0.77	0.79	0.82	0.87	0.90	0.95	0.99
130	1.46	1.42	1.39	1.34	1.31	1.27	1.24	1.20	1.17	1.14	1.15	1.14	1.20	1.24	1.27	1.32	1.37	1.42	1.45
135	1.96	1.92	1.88	1.84	1.80	1.76	1.73	1.69	1.67	1.64	1.65	1.64	1.72	1.77	1.80	1.87	1.90	1.96	1.98
140	2.50	2.46	2.42	2.38	2.34	2.30	2.27	2.23	2.22	2.20	2.20	2.20	2.29	2.35	2.38	2.44	2.48	2.53	2.56
145	3.04	3.00	2.94	2.91	2.88	2.84	2.82	2.79	2.78	2.76	2.77	2.78	2.87	2.91	2.94	3.00	3.04	3.08	3.10
150	3.49	3.47	3.42	3.39	3.37	3.34	3.32	3.30	3.29	3.26	3.28	3.28	3.36	3.40	3.43	3.48	3.52	3.56	3.58
155	3.86	3.85	3.81	3.79	3.76	3.75	3.73	3.71	3.67	3.66	3.66	3.66	3.73	3.75	3.78	3.81	3.86	3.90	3.93
160	4.09	4.11	4.07	4.07	4.03	4.04	4.00	3.98	3.93	3.91	3.90	3.89	3.94	3.95	3.98	3.99	4.05	4.07	4.11
165	4.23	4.26	4.20	4.24	4.21	4.21	4.16	4.14	4.08	4.06	4.01	4.00	4.04	4.04	4.05	4.06	4.11	4.14	4.19
170	4.31	4.34	4.30	4.32	4.30	4.29	4.24	4.22	4.16	4.14	4.12	4.10	4.12	4.14	4.16	4.13	4.15	4.15	4.19
175	4.34	4.37	4.34	4.39	4.35	4.34	4.28	4.27	4.24	4.28	4.26	4.20	4.25	4.26	4.29	4.29	4.28	4.25	4.27
180	4.38	4.39	4.38	4.42	4.38	4.36	4.35	4.34	4.33	4.37	4.33	4.30	4.38	4.39	4.38	4.40	4.39	4.35	4.36

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-16

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: VM050-VF51RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	503	503	503	503	503													
5	499	505	508	513	515													
10	456	463	468	479	485													
15	386	393	397	408	413													
20	310	315	311	314	315													
25	218	216	207	202	198													
30	118	112	101	95.5	91.1													
35	45.6	40.8	34.4	32.3	29.9													
40	13.3	11.3	9.04	8.40	7.24													
45	2.37	2.03	1.58	1.42	1.14													
50	0.57	0.55	0.52	0.48	0.43													
55	0.25	0.23	0.23	0.19	0.18													
60	0.10	0.09	0.10	0.07	0.07													
65	0.06	0.06	0.06	0.05	0.06													
70	0.06	0.05	0.05	0.05	0.05													
75	0.05	0.05	0.05	0.05	0.05													
80	0.05	0.06	0.05	0.06	0.05													
85	0.05	0.06	0.05	0.06	0.05													
90	0.05	0.06	0.05	0.06	0.05													
95	0.06	0.06	0.05	0.06	0.05													
100	0.06	0.07	0.06	0.07	0.06													
105	0.08	0.11	0.10	0.12	0.11													
110	0.18	0.21	0.21	0.23	0.22													
115	0.37	0.40	0.41	0.43	0.42													
120	0.65	0.68	0.69	0.70	0.70													
125	1.02	1.04	1.06	1.06	1.05													
130	1.49	1.50	1.52	1.50	1.49													
135	2.02	2.03	2.04	2.02	2.00													
140	2.58	2.59	2.59	2.56	2.55													
145	3.12	3.12	3.11	3.08	3.06													
150	3.58	3.58	3.56	3.54	3.51													
155	3.91	3.91	3.88	3.88	3.84													
160	4.09	4.10	4.06	4.07	4.05													
165	4.17	4.19	4.15	4.15	4.16													
170	4.19	4.23	4.20	4.23	4.23													
175	4.26	4.32	4.30	4.29	4.26													
180	4.33	4.34	4.37	4.35	4.29													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-16

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: