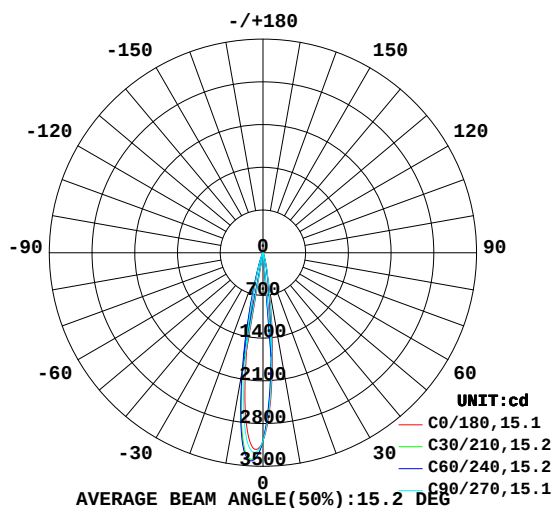


LUMINAIRE PHOTOMETRIC TEST REPORT

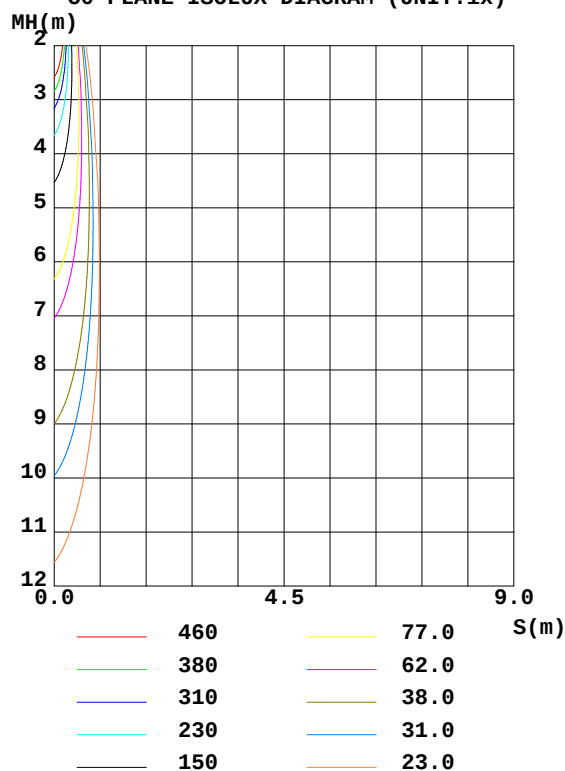
NAME: VM050-VF52RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.73 lm/W			
MODEL	BXRE-30G0600-A-73	Imax(cd)	3415	S/MH(C0/180)	0.31
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.32
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	306.61	η UP, DN(C0-180)	1.3, 35.2
NOMINAL FLUX(lm)	306.607	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 62.3
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	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: 2021-8-17

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:

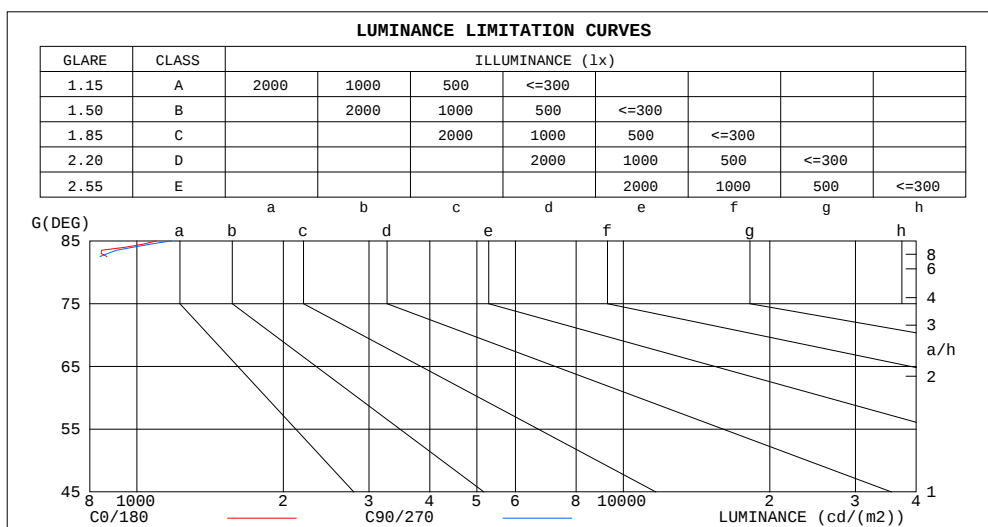
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	585.1	466.4	544.1	860.9	1489	1915	1639	911.2	0- 10	180.9	180.9	59,59
20	61.09	49.16	54.51	80.91	136.2	163.9	149.1	84.96	10- 20	100.3	281.2	91.7,91.7
30	2.592	1.888	1.963	3.101	8.110	14.91	12.94	5.413	20- 30	16.00	297.2	96.9,96.9
40	0.4255	0.3412	0.3827	0.4365	0.5546	0.7760	0.7190	0.5619	30- 40	1.154	298.4	97.3,97.3
50	0.1618	0.1289	0.1571	0.1642	0.1944	0.2454	0.2361	0.2020	40- 50	0.2433	298.6	97.4,97.4
60	0.0864	0.0634	0.0862	0.0709	0.0818	0.1051	0.0972	0.0932	50- 60	0.1104	298.7	97.4,97.4
70	0.0797	0.0613	0.0685	0.0666	0.0575	0.0679	0.0641	0.0732	60- 70	0.0722	298.8	97.4,97.4
80	0.0753	0.0591	0.0663	0.0687	0.0553	0.0438	0.0597	0.0687	70- 80	0.0686	298.9	97.5,97.5
90	0.0575	0.0635	0.0663	0.0666	0.0665	0.0438	0.0619	0.0555	80- 90	0.0662	298.9	97.5,97.5
100	0.0642	0.0700	0.0663	0.0754	0.0885	0.0613	0.0774	0.0621	90-100	0.0730	299.0	97.5,97.5
110	0.0642	0.0700	0.0663	0.0754	0.0886	0.0722	0.0773	0.0643	100-110	0.0764	299.1	97.5,97.5
120	0.0972	0.1249	0.1037	0.0999	0.0974	0.0722	0.0818	0.0688	110-120	0.0773	299.1	97.6,97.6
130	0.6423	0.7873	0.7054	0.4423	0.3373	0.2555	0.3231	0.4671	120-130	0.1971	299.3	97.6,97.6
140	3.037	3.279	3.143	2.476	2.015	1.801	1.972	2.621	130-140	1.037	300.4	98,98
150	4.859	4.866	4.838	4.637	4.459	4.275	4.408	4.664	140-150	2.320	302.7	98.7,98.7
160	5.095	4.810	5.169	5.129	5.957	5.261	5.241	5.144	150-160	2.299	305.0	99.5,99.5
170	3.094	2.561	3.090	3.685	4.350	4.307	4.334	3.664	160-170	1.327	306.3	99.9,99.9
180	1.974	2.066	2.112	2.158	1.994	2.068	2.117	2.167	170-180	0.2778	306.6	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:2021-8-17

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-VF52RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



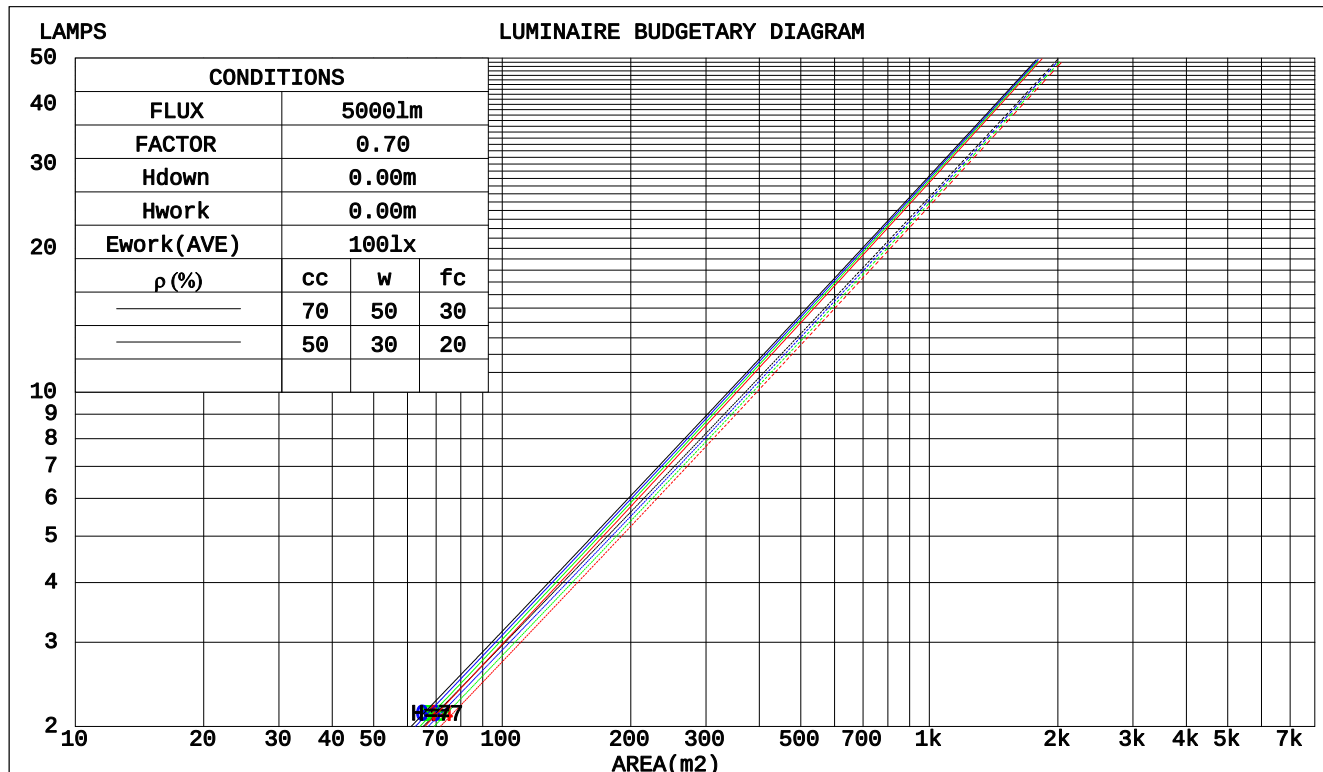
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-17

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-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	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	.97
1.0	1.13	1.12	1.10	1.11	1.09	1.08	1.06	1.05	1.04	1.02	1.02	1.01	.99	.98	.98	.96
2.0	1.09	1.06	1.04	1.07	1.05	1.03	1.04	1.02	1.00	1.00	.99	.98	.98	.97	.96	.94
3.0	1.05	1.02	1.00	1.04	1.01	.99	1.01	.99	.97	.99	.97	.96	.96	.95	.94	.93
4.0	1.02	.99	.97	1.01	.98	.96	.99	.97	.95	.97	.95	.93	.95	.94	.92	.91
5.0	.00	.97	.94	.99	.96	.94	.97	.95	.93	.95	.93	.92	.94	.92	.91	.90
6.0	.98	.94	.92	.97	.94	.91	.95	.93	.91	.94	.92	.90	.93	.91	.89	.88
7.0	.96	.92	.90	.95	.92	.90	.94	.91	.89	.92	.90	.88	.91	.89	.88	.87
8.0	.94	.90	.88	.93	.90	.88	.92	.89	.88	.91	.89	.87	.90	.88	.87	.86
9.0	.92	.89	.87	.92	.89	.87	.91	.88	.86	.90	.87	.86	.89	.87	.85	.85
10.0	.90	.87	.85	.90	.87	.85	.89	.87	.85	.89	.86	.85	.88	.86	.84	.84



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-17

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: VM050-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	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	.119	.068	.021	.112	.064	.020	.098	.056	.018	.086	.049	.016	.074	.043	.014	
2.0	.108	.059	.018	.102	.056	.017	.091	.050	.016	.080	.045	.014	.071	.040	.013	
3.0	.099	.053	.016	.094	.050	.015	.084	.046	.014	.076	.041	.013	.067	.037	.012	
4.0	.091	.047	.014	.087	.046	.013	.079	.042	.013	.072	.038	.012	.065	.035	.011	
5.0	.085	.043	.013	.081	.042	.012	.074	.039	.011	.068	.036	.011	.062	.033	.010	
6.0	.079	.040	.011	.076	.038	.011	.070	.036	.010	.065	.034	.010	.059	.031	.009	
7.0	.075	.037	.010	.072	.036	.010	.067	.034	.010	.062	.032	.009	.057	.030	.009	
8.0	.070	.034	.010	.068	.033	.009	.063	.032	.009	.059	.030	.009	.055	.028	.008	
9.0	.067	.032	.009	.065	.031	.009	.061	.030	.008	.057	.028	.008	.053	.027	.008	
10.0	.063	.030	.008	.062	.030	.008	.058	.028	.008	.055	.027	.008	.051	.026	.007	

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	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.186	.177	.169	.159	.152	.145	.109	.105	.100	.063	.061	.058	.020	.019	.019	
2.0	.167	.152	.140	.143	.131	.121	.098	.091	.084	.057	.053	.049	.018	.017	.016	
3.0	.151	.133	.118	.129	.114	.102	.089	.079	.072	.051	.046	.042	.016	.015	.014	
4.0	.138	.117	.101	.118	.101	.088	.081	.070	.062	.047	.041	.037	.015	.013	.012	
5.0	.126	.104	.088	.108	.090	.077	.075	.063	.054	.043	.037	.032	.014	.012	.011	
6.0	.116	.094	.078	.100	.082	.068	.069	.057	.048	.040	.034	.029	.013	.011	.009	
7.0	.108	.086	.070	.093	.074	.061	.064	.052	.043	.037	.031	.026	.012	.010	.008	
8.0	.101	.079	.063	.087	.068	.055	.060	.048	.039	.035	.028	.023	.011	.009	.008	
9.0	.095	.073	.058	.082	.063	.050	.057	.044	.036	.033	.026	.021	.011	.009	.007	
10.0	.090	.068	.053	.077	.059	.046	.054	.041	.033	.031	.024	.020	.010	.008	.007	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-17

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-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	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	-5.5	-5.0	-5.3	-4.8	-4.6	-6.4	-5.9	-6.1	-5.7	-5.5
3H	-4.6	-4.2	-4.4	-4.0	-3.7	-5.4	-4.9	-5.1	-4.7	-4.4
4H	-3.8	-3.4	-3.5	-3.1	-2.9	-4.5	-4.0	-4.2	-3.8	-3.5
6H	-2.5	-2.1	-2.2	-1.8	-1.5	-3.2	-2.7	-2.9	-2.5	-2.2
8H	-1.7	-1.3	-1.4	-1.0	-0.8	-2.3	-1.9	-2.0	-1.6	-1.3
12H	-1.0	-0.6	-0.6	-0.3	0.0	-1.3	-0.9	-1.0	-0.6	-0.3
4H 2H	-5.4	-4.9	-5.1	-4.7	-4.4	-6.2	-5.7	-5.9	-5.5	-5.2
3H	-4.1	-3.7	-3.8	-3.4	-3.1	-4.7	-4.3	-4.4	-4.0	-3.7
4H	-3.0	-2.6	-2.6	-2.3	-2.0	-3.5	-3.1	-3.1	-2.8	-2.5
6H	-1.5	-1.2	-1.1	-0.8	-0.4	-2.0	-1.6	-1.6	-1.3	-0.9
8H	-0.6	-0.3	-0.2	0.1	0.5	-1.0	-0.7	-0.6	-0.3	0.1
12H	0.3	0.6	0.8	1.0	1.5	0.2	0.5	0.7	0.9	1.3
8H 4H	-2.5	-2.2	-2.1	-1.8	-1.4	-3.0	-2.7	-2.6	-2.3	-1.9
6H	-0.7	-0.4	-0.2	-0.0	0.4	-1.1	-0.8	-0.6	-0.4	0.0
8H	0.3	0.6	0.8	1.0	1.5	0.1	0.3	0.6	0.8	1.2
12H	1.5	1.7	2.0	2.2	2.7	1.5	1.7	2.0	2.2	2.7
12H 4H	-2.4	-2.1	-2.0	-1.7	-1.3	-2.8	-2.5	-2.4	-2.1	-1.7
6H	-0.5	-0.3	-0.0	0.2	0.7	-0.9	-0.6	-0.4	-0.2	0.3
8H	0.6	0.8	1.2	1.3	1.8	0.4	0.6	0.9	1.1	1.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.7 / - 0.4					+ 0.4 / - 0.3				
2.0H	+ 0.4 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 306.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-17

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-VF52RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

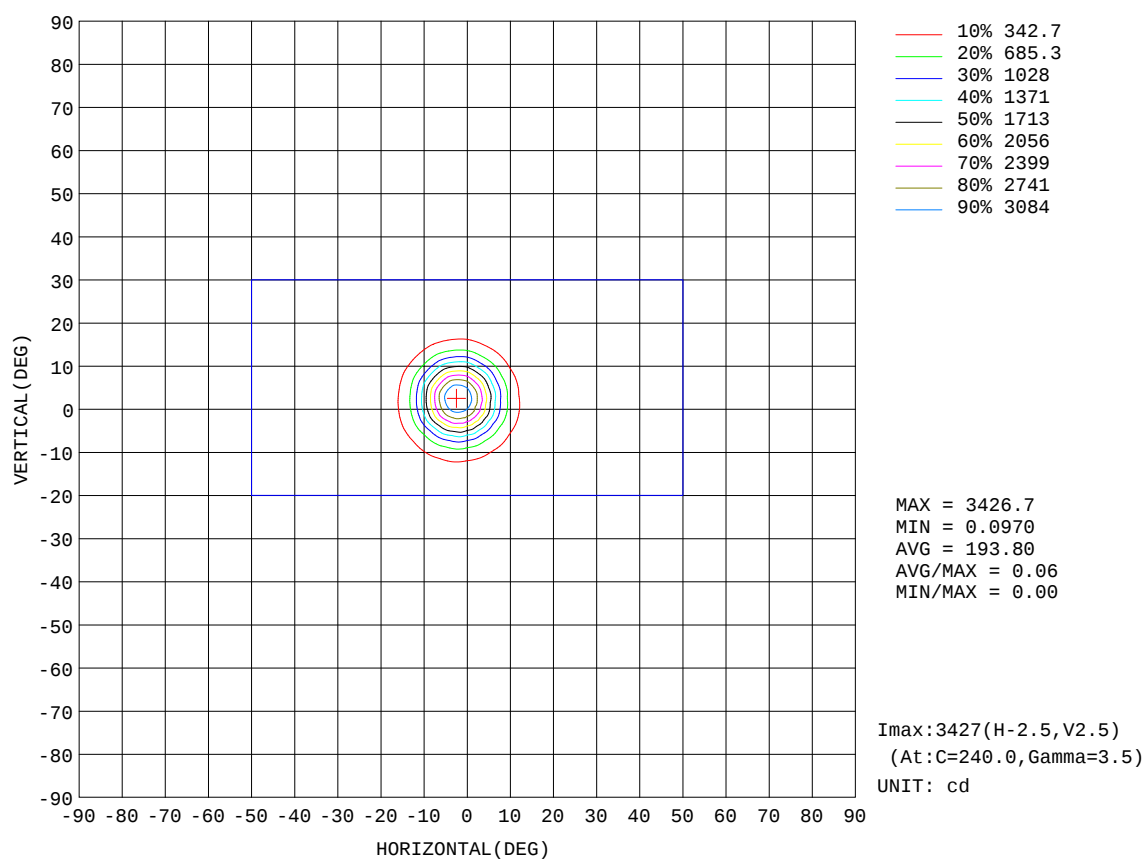
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	89	84	81	88	84	80	77
0.80	97	92	88	96	91	88	95	90	88	84
1.00	101	96	92	100	95	92	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	91
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	107	104	101	104	102	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	108	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				SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-17

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-VF52RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

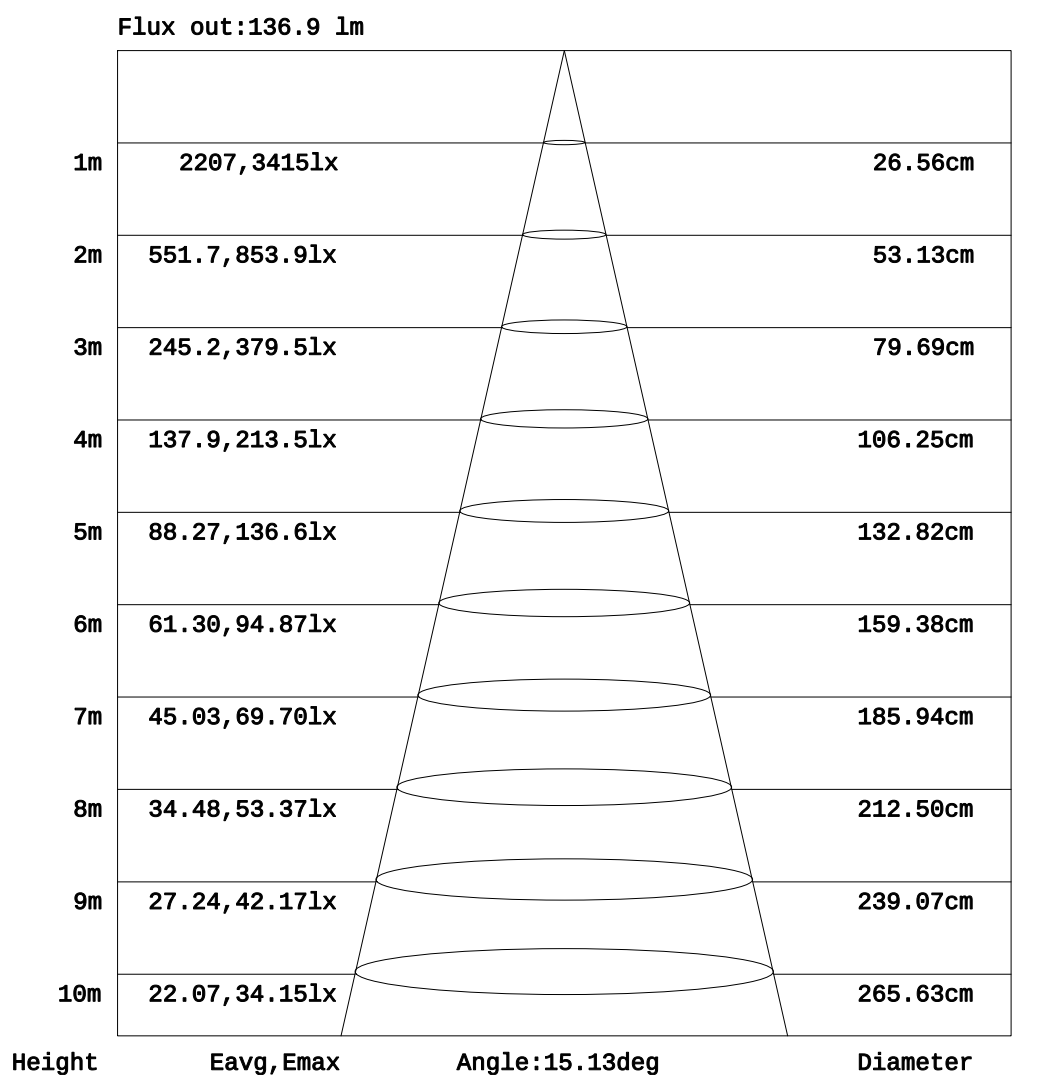


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-17

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-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



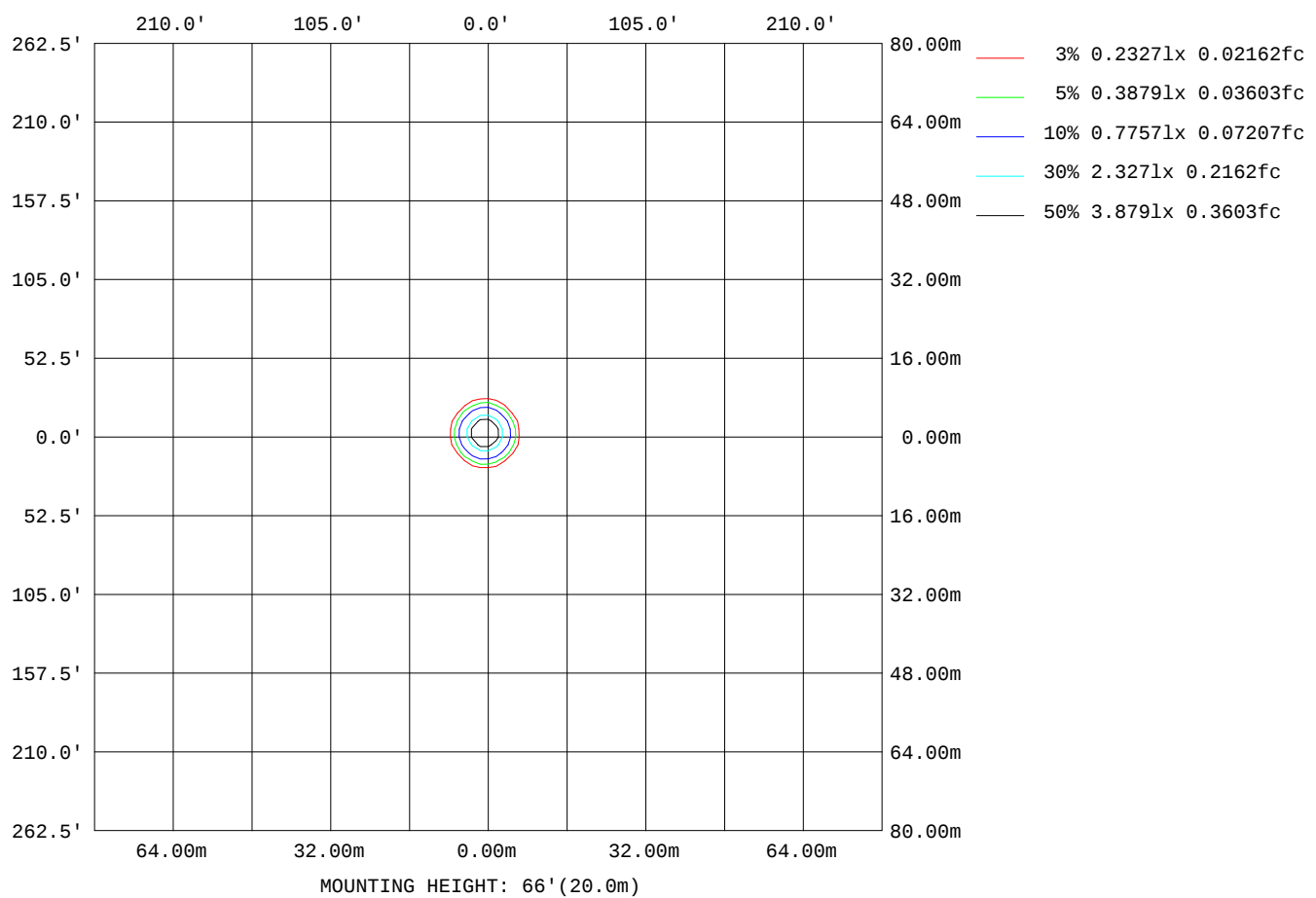
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-17

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-VF52RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-8-17

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-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

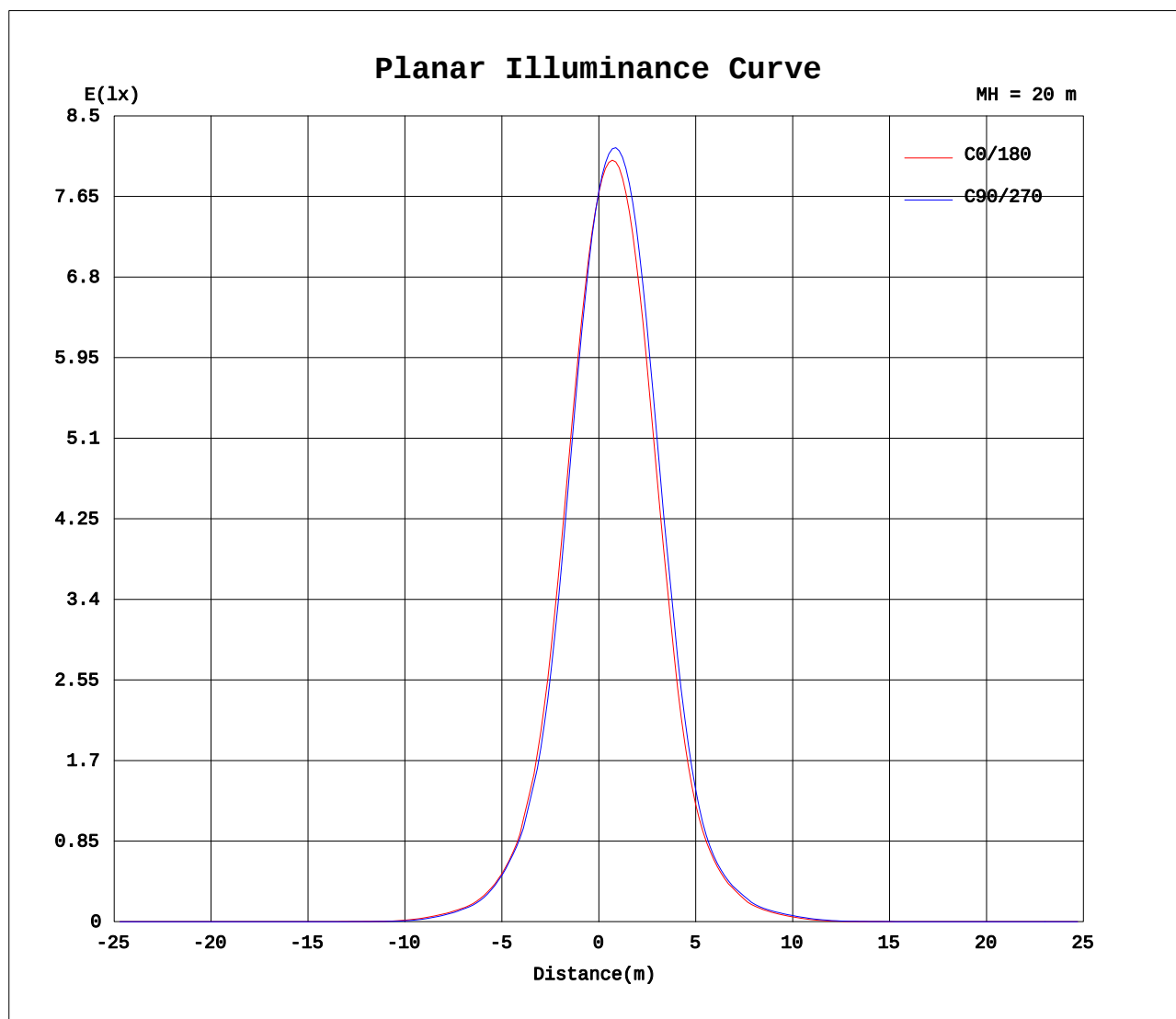
AvgL	cd/m2
L_0~180(65)av	268
L_0~180(75)av	418
L_0~180(85)av	1078
L_90~270(65)av	260
L_90~270(75)av	396
L_90~270(85)av	1137
L_45(65)av	271
L_45(75)av	379
L_45(85)av	1044

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-17

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: 2021-8-17

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-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	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	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082	3082
5	1784	1701	1574	1578	1538	1638	1686	1872	2018	2290	2494	2802	2940	3088	3282	3297	3322	3186	3071
10	585	522	483	466	472	494	544	611	689	861	1018	1321	1489	1655	1895	1915	1959	1771	1639
15	179	169	149	153	145	162	171	201	226	274	311	383	428	498	573	594	598	539	465
20	61.1	55.5	50.5	49.2	47.7	50.8	54.5	61.2	68.0	80.9	93.2	121	136	144	170	164	168	153	149
25	17.2	14.8	11.9	11.3	10.2	11.1	11.8	15.2	18.3	24.8	29.5	38.2	43.1	48.4	55.7	56.7	57.9	54.2	51.0
30	2.59	2.25	1.99	1.89	1.82	1.89	1.96	2.29	2.49	3.10	4.00	6.33	8.11	10.5	14.0	14.9	16.2	14.4	12.9
35	0.82	0.74	0.69	0.65	0.65	0.65	0.66	0.71	0.76	0.86	1.07	1.37	1.56	1.84	2.34	2.56	2.65	2.32	2.19
40	0.43	0.37	0.37	0.34	0.36	0.35	0.38	0.37	0.41	0.44	0.49	0.52	0.55	0.63	0.73	0.78	0.80	0.75	0.72
45	0.26	0.22	0.23	0.20	0.23	0.20	0.23	0.23	0.26	0.27	0.30	0.30	0.32	0.36	0.38	0.41	0.41	0.41	0.40
50	0.16	0.13	0.15	0.13	0.15	0.13	0.16	0.14	0.18	0.16	0.19	0.18	0.19	0.22	0.22	0.25	0.24	0.25	0.24
55	0.11	0.09	0.10	0.08	0.10	0.09	0.11	0.10	0.12	0.10	0.13	0.11	0.11	0.14	0.13	0.16	0.14	0.16	0.14
60	0.09	0.07	0.08	0.06	0.09	0.07	0.09	0.06	0.09	0.07	0.09	0.09	0.08	0.10	0.09	0.11	0.09	0.11	0.10
65	0.08	0.06	0.08	0.06	0.08	0.07	0.07	0.06	0.08	0.07	0.08	0.07	0.06	0.07	0.06	0.08	0.06	0.08	0.07
70	0.08	0.06	0.08	0.06	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.07	0.06
75	0.08	0.06	0.08	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.04	0.05	0.06	0.06
80	0.08	0.06	0.07	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.05	0.06	0.04	0.05	0.06	0.06
85	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.06	0.04	0.05	0.06	0.06
90	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.06	0.04	0.06	0.05	0.06
95	0.06	0.07	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.08	0.06	0.07	0.06	0.07	0.06	0.07
100	0.06	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.08	0.09	0.06	0.08	0.06	0.08	0.08
105	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.08	0.09	0.07	0.09	0.07	0.08	0.08
110	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.08	0.09	0.08	0.09	0.07	0.08	0.08
115	0.06	0.08	0.07	0.08	0.07	0.09	0.07	0.08	0.07	0.08	0.08	0.08	0.09	0.08	0.09	0.07	0.08	0.07	0.08
120	0.10	0.11	0.11	0.12	0.11	0.12	0.10	0.12	0.09	0.10	0.10	0.10	0.10	0.08	0.10	0.07	0.08	0.07	0.08
125	0.22	0.26	0.27	0.29	0.28	0.27	0.25	0.23	0.19	0.18	0.15	0.15	0.15	0.13	0.14	0.10	0.12	0.11	0.14
130	0.64	0.70	0.79	0.79	0.82	0.75	0.71	0.60	0.54	0.44	0.39	0.34	0.34	0.30	0.29	0.26	0.27	0.29	0.32
135	1.64	1.73	1.91	1.89	1.95	1.82	1.76	1.54	1.41	1.18	1.05	0.91	0.90	0.83	0.74	0.73	0.74	0.81	0.84
140	3.04	3.12	3.30	3.28	3.34	3.20	3.14	2.92	2.77	2.48	2.30	2.03	2.01	1.92	1.81	1.80	1.79	1.90	1.97
145	4.21	4.25	4.36	4.33	4.36	4.28	4.25	4.11	4.00	3.80	3.75	3.45	3.42	3.30	3.25	3.18	3.18	3.27	3.37
150	4.86	4.86	4.90	4.87	4.90	4.85	4.84	4.77	4.72	4.64	4.55	4.47	4.46	4.36	4.32	4.28	4.30	4.33	4.41
155	5.14	5.12	5.11	5.03	5.11	5.11	5.13	5.09	5.06	5.03	4.99	4.99	5.01	4.90	4.92	4.84	4.90	4.86	4.94
160	5.09	4.98	4.91	4.81	4.92	5.05	5.17	5.08	5.12	5.13	5.14	5.44	5.96	5.27	5.19	5.26	5.21	5.13	5.24
165	4.34	4.15	3.91	3.90	4.06	4.25	4.40	4.51	4.64	4.78	4.88	5.07	5.31	5.12	5.10	5.09	5.11	5.11	5.15
170	3.09	2.90	2.68	2.56	2.69	2.91	3.09	3.27	3.45	3.68	3.96	4.22	4.35	4.35	4.40	4.31	4.35	4.31	4.33
175	2.03	1.92	1.86	1.84	1.91	1.92	2.05	2.19	2.40	2.62	2.82	2.98	2.99	3.03	3.12	3.12	3.12	3.04	3.01
180	1.97	1.98	2.01	2.07	2.04	2.06	2.11	2.11	2.12	2.16	2.14	2.15	1.99	1.98	2.02	2.07	2.06	2.05	2.12

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-17

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-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	3082	3082	3082	3082	3082														
5	2810	2615	2328	2134	1890														
10	1344	1153	911	773	633														
15	370	320	262	231	193														
20	121	105	85.0	74.7	64.4														
25	43.8	38.6	30.7	25.7	19.8														
30	9.78	7.92	5.41	4.16	2.93														
35	1.82	1.59	1.34	1.12	0.91														
40	0.68	0.63	0.56	0.49	0.45														
45	0.39	0.35	0.33	0.28	0.27														
50	0.24	0.20	0.20	0.16	0.16														
55	0.16	0.13	0.13	0.10	0.11														
60	0.11	0.08	0.09	0.07	0.09														
65	0.09	0.07	0.08	0.06	0.07														
70	0.07	0.07	0.07	0.06	0.07														
75	0.07	0.06	0.07	0.06	0.07														
80	0.06	0.06	0.07	0.06	0.07														
85	0.06	0.06	0.06	0.06	0.06														
90	0.06	0.07	0.06	0.06	0.06														
95	0.06	0.07	0.06	0.07	0.06														
100	0.07	0.07	0.06	0.07	0.07														
105	0.07	0.07	0.06	0.07	0.08														
110	0.07	0.07	0.06	0.07	0.08														
115	0.07	0.07	0.07	0.07	0.07														
120	0.07	0.09	0.07	0.10	0.09														
125	0.13	0.16	0.16	0.20	0.23														
130	0.33	0.39	0.47	0.55	0.67														
135	0.97	1.08	1.29	1.46	1.72														
140	2.18	2.34	2.62	2.81	3.12														
145	3.54	3.69	3.90	4.05	4.24														
150	4.47	4.57	4.66	4.75	4.84														
155	4.94	5.01	5.03	5.08	5.14														
160	5.18	5.18	5.14	5.11	5.14														
165	5.08	4.98	4.76	4.54	4.44														
170	4.16	3.98	3.66	3.44	3.26														
175	2.89	2.79	2.62	2.40	2.27														
180	2.11	2.13	2.17	2.14	2.14														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-17

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: