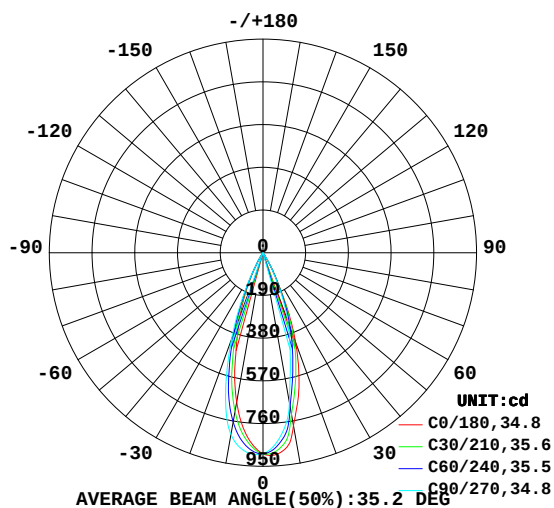


LUMINAIRE PHOTOMETRIC TEST REPORT

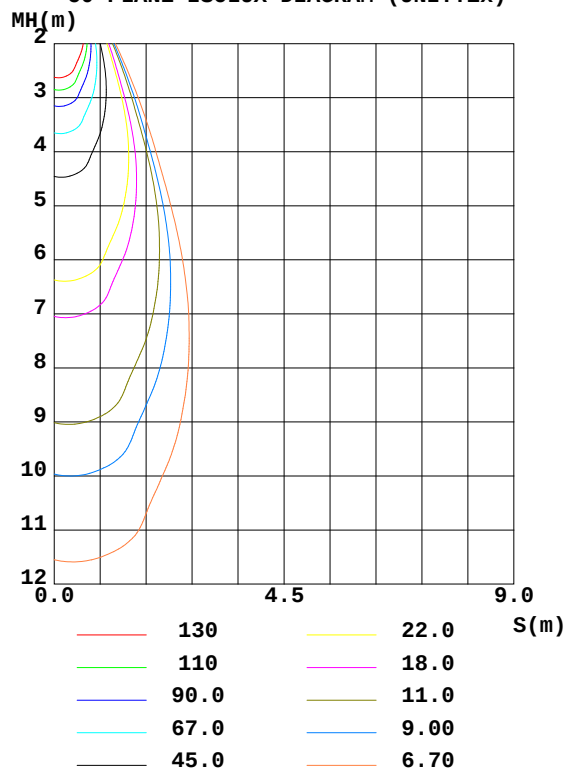
NAME: VM050-VF52RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.63 lm/W			
MODEL	BXRE-30G0600-A-73	Imax(cd)	906.1	S/MH(C0/180)	0.52
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	331.27	η UP, DN(C0-180)	1.2, 46.4
NOMINAL FLUX(lm)	331.268	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 51.1
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	97.6	CIBSE SHR MAX	0.60

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:

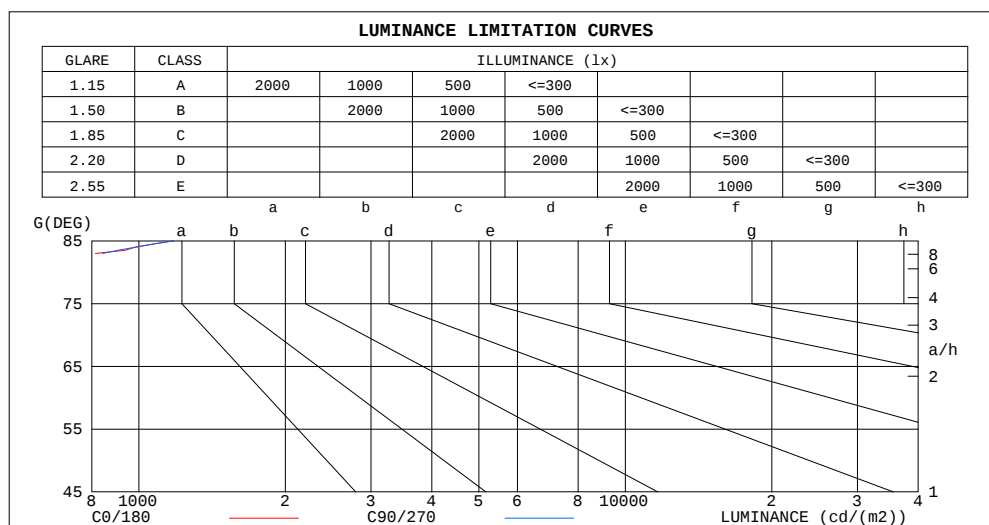
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	781.5	717.2	676.4	661.9	674.6	734.6	820.8	834.8	0- 10	78.25	78.25	23.6, 23.6
20	425.3	380.0	321.3	302.3	300.8	355.3	410.6	453.9	10- 20	150.9	229.2	69.2, 69.2
30	61.73	60.74	59.10	55.34	50.74	49.19	50.96	56.38	20- 30	85.33	314.5	94.9, 94.9
40	0.2658	0.2430	0.3253	0.6005	1.353	1.217	0.7481	0.3513	30- 40	8.081	322.6	97.4, 97.4
50	0.1062	0.0905	0.1304	0.1762	0.2649	0.2923	0.1920	0.1391	40- 50	0.2339	322.8	97.5, 97.5
60	0.0663	0.0575	0.0795	0.0881	0.1060	0.1283	0.0839	0.0772	50- 60	0.1062	322.9	97.5, 97.5
70	0.0619	0.0597	0.0641	0.0706	0.0663	0.0796	0.0641	0.0618	60- 70	0.0721	323.0	97.5, 97.5
80	0.0619	0.0641	0.0641	0.0706	0.0663	0.0708	0.0619	0.0551	70- 80	0.0683	323.1	97.5, 97.5
90	0.0641	0.0708	0.0641	0.0706	0.0663	0.0685	0.0641	0.0551	80- 90	0.0705	323.2	97.6, 97.6
100	0.0641	0.0708	0.0641	0.0706	0.0707	0.0663	0.0685	0.0596	90-100	0.0727	323.2	97.6, 97.6
110	0.0663	0.0841	0.0641	0.0795	0.0841	0.0685	0.0863	0.0661	100-110	0.0738	323.3	97.6, 97.6
120	0.2648	0.2988	0.3066	0.3335	0.3454	0.3091	0.3032	0.2798	110-120	0.1521	323.5	97.6, 97.6
130	0.9825	1.085	1.227	1.256	1.248	1.124	1.020	0.9739	120-130	0.5793	324.0	97.8, 97.8
140	2.344	2.509	2.727	2.772	2.752	2.570	2.371	2.315	130-140	1.372	325.4	98.2, 98.2
150	3.903	4.041	4.206	4.254	4.273	4.125	3.961	3.883	140-150	2.077	327.5	98.9, 98.9
160	4.735	4.701	4.746	4.762	4.896	4.871	4.883	4.758	150-160	2.088	329.6	99.5, 99.5
170	4.354	4.167	4.111	4.067	4.158	4.292	4.367	4.366	160-170	1.307	330.9	99.9, 99.9
180	3.928	3.958	3.911	3.990	3.926	3.967	3.913	4.003	170-180	0.3874	331.3	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 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1177	1177
80	571	591
75	383	424
70	290	300
65	234	259
60	212	255
55	216	259
50	264	325
45	351	431

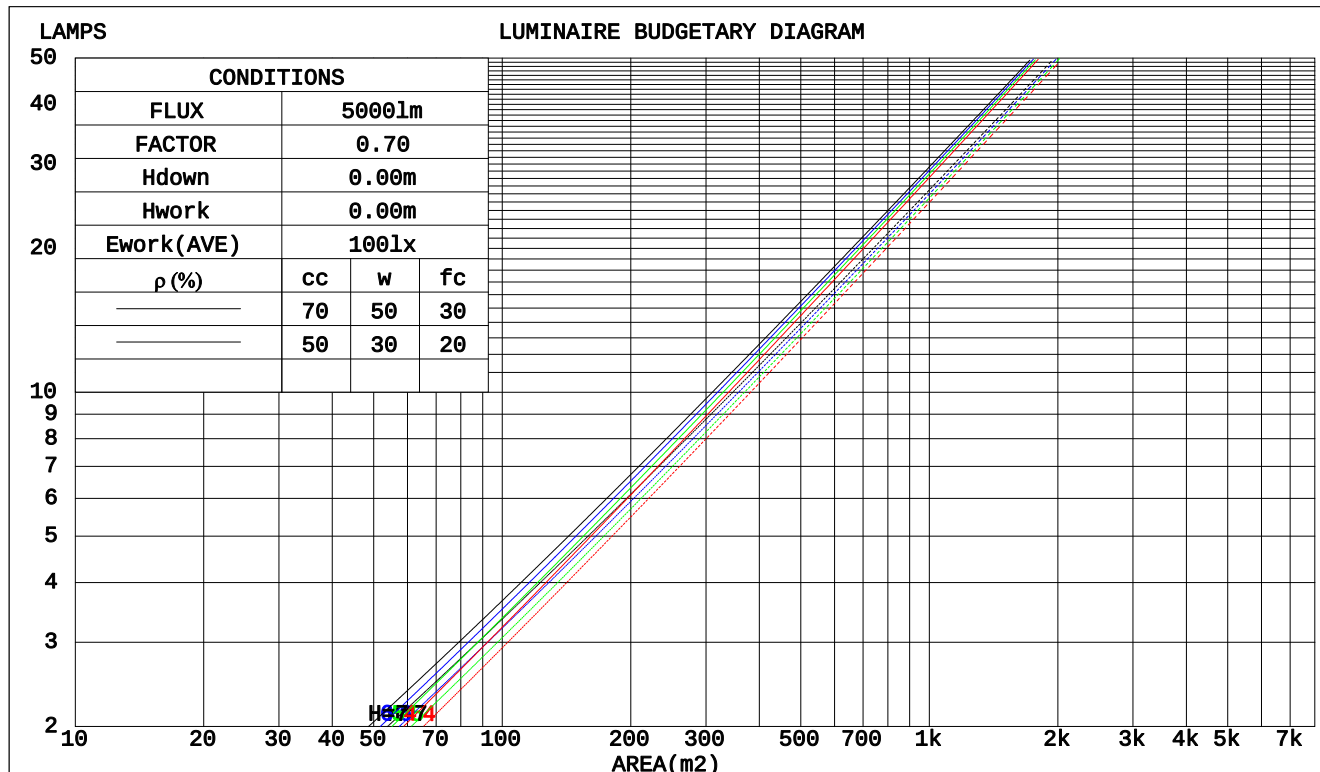
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-17

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 36D	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	.98
1.0	1.12	1.10	1.08	1.09	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.96	.94
2.0	1.06	1.03	1.00	1.04	1.01	.99	1.01	.98	.96	.97	.95	.94	.94	.93	.92	.90
3.0	1.01	.97	.94	.99	.96	.93	.97	.94	.91	.94	.92	.90	.91	.90	.88	.86
4.0	.96	.92	.89	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.86	.84	.83
5.0	.92	.88	.84	.91	.87	.84	.89	.86	.83	.88	.84	.82	.86	.83	.81	.80
6.0	.88	.84	.81	.88	.83	.80	.86	.82	.80	.85	.81	.79	.83	.80	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.77	.74	.71	.76	.73	.71	.76	.72	.70	.69
10.0	.76	.72	.69	.76	.72	.69	.75	.71	.68	.74	.71	.68	.73	.70	.68	.67



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
 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-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	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 Coeffcients(WEC)									
0.0																
1.0	.147	.084	.026	.140	.080	.025	.126	.072	.023	.113	.065	.021	.101	.059	.019	
2.0	.137	.075	.023	.131	.072	.022	.119	.066	.021	.108	.061	.019	.099	.056	.018	
3.0	.128	.068	.020	.123	.066	.020	.113	.061	.019	.104	.057	.017	.096	.053	.016	
4.0	.121	.063	.018	.116	.061	.018	.108	.057	.017	.100	.054	.016	.093	.050	.015	
5.0	.114	.058	.017	.110	.057	.017	.103	.054	.016	.096	.051	.015	.090	.048	.014	
6.0	.109	.054	.016	.105	.053	.015	.099	.051	.015	.093	.048	.014	.087	.046	.014	
7.0	.104	.051	.015	.101	.050	.014	.095	.048	.014	.090	.046	.013	.085	.044	.013	
8.0	.099	.048	.014	.096	.047	.013	.091	.046	.013	.087	.044	.013	.082	.042	.012	
9.0	.095	.046	.013	.093	.045	.013	.088	.044	.012	.084	.042	.012	.080	.040	.012	
10.0	.091	.044	.012	.089	.043	.012	.085	.042	.012	.081	.040	.011	.077	.039	.011	

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	.188	.176	.166	.161	.151	.143	.110	.104	.099	.063	.060	.057	.020	.019	.019	
2.0	.171	.152	.136	.146	.130	.117	.100	.090	.082	.058	.053	.048	.019	.017	.016	
3.0	.156	.132	.113	.134	.114	.098	.092	.079	.069	.053	.046	.041	.017	.015	.013	
4.0	.144	.117	.097	.124	.101	.084	.085	.071	.059	.049	.041	.035	.016	.013	.011	
5.0	.134	.105	.084	.115	.091	.073	.079	.064	.051	.046	.037	.030	.015	.012	.010	
6.0	.126	.095	.074	.108	.083	.064	.075	.058	.045	.043	.034	.027	.014	.011	.009	
7.0	.119	.087	.065	.102	.076	.057	.071	.053	.040	.041	.031	.024	.013	.010	.008	
8.0	.113	.081	.059	.097	.070	.052	.067	.049	.037	.039	.029	.022	.013	.010	.007	
9.0	.107	.075	.054	.092	.065	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
10.0	.102	.071	.050	.088	.061	.043	.061	.043	.031	.036	.026	.018	.012	.008	.006	

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 36D						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						9.6	10.3	9.9	10.5	10.7	
3H						9.5	10.1	9.8	10.4	10.6	
4H						9.4	10.0	9.7	10.3	10.5	
6H						9.3	9.9	9.7	10.2	10.5	
8H						9.3	9.9	9.6	10.2	10.5	
12H						9.3	9.8	9.6	10.1	10.5	
4H 2H						9.4	10.0	9.7	10.3	10.5	
3H						9.2	9.8	9.6	10.1	10.4	
4H						9.1	9.6	9.5	10.0	10.3	
6H						9.1	9.5	9.5	9.9	10.3	
8H						9.0	9.5	9.5	9.8	10.3	
12H						9.1	9.4	9.5	9.8	10.3	
8H 4H						9.0	9.4	9.4	9.8	10.2	
6H						8.9	9.3	9.4	9.7	10.2	
8H						8.9	9.2	9.4	9.7	10.2	
12H						9.0	9.2	9.5	9.7	10.2	
12H 4H						8.9	9.3	9.4	9.7	10.1	
6H						8.9	9.2	9.4	9.6	10.1	
8H						8.9	9.1	9.4	9.6	10.1	
Variations with the observer position at spacings:											
S = 1.0H						+ 0.5 / - 0.2			+ 1.4 / - 0.4		
1.5H						+ 0.9 / - 0.3			+ 2.7 / - 0.5		
2.0H						+ 0.2 / - 0.2			+ 0.3 / - 0.3		

CIE Pub.117, 331.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.8)

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 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

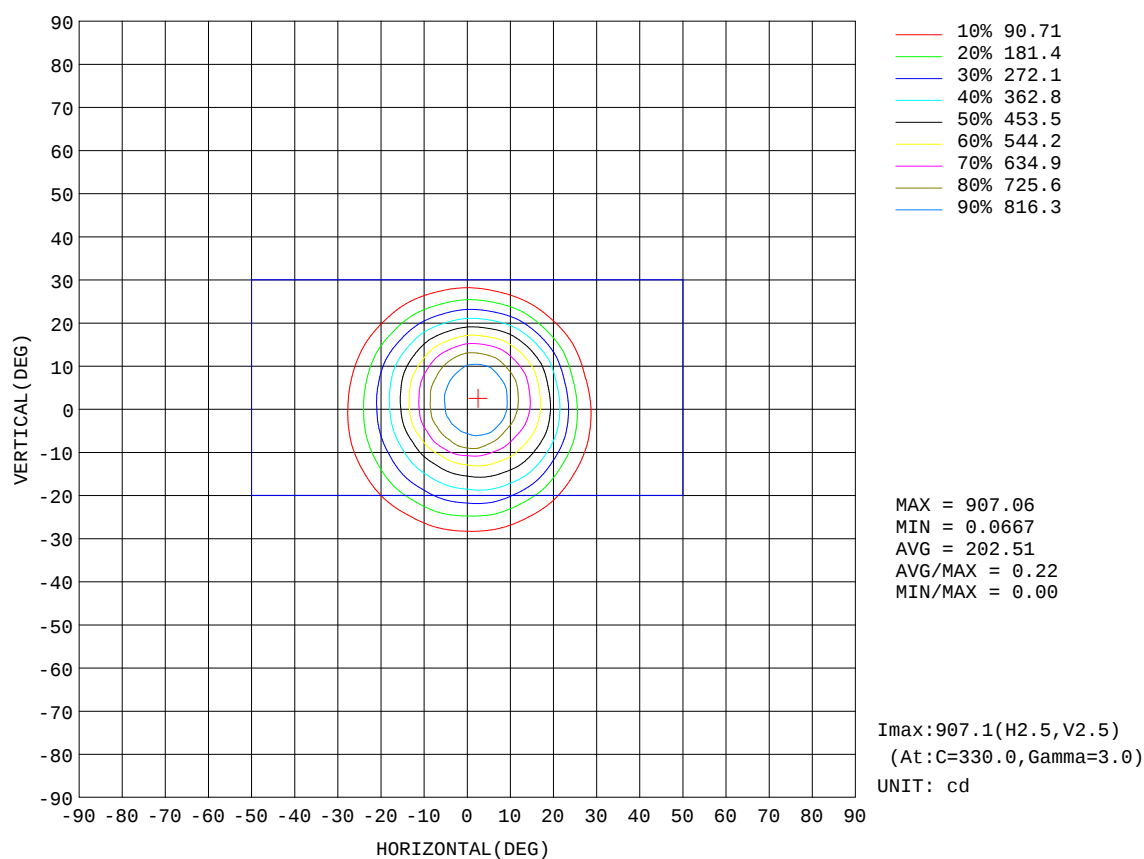
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	89	84	81	89	84	81	77
0.80	97	92	88	96	91	88	95	91	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	106	103	105	103	101	95
3.00	112	109	106	110	107	105	106	104	102	95
4.00	114	111	109	111	109	108	108	106	105	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 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

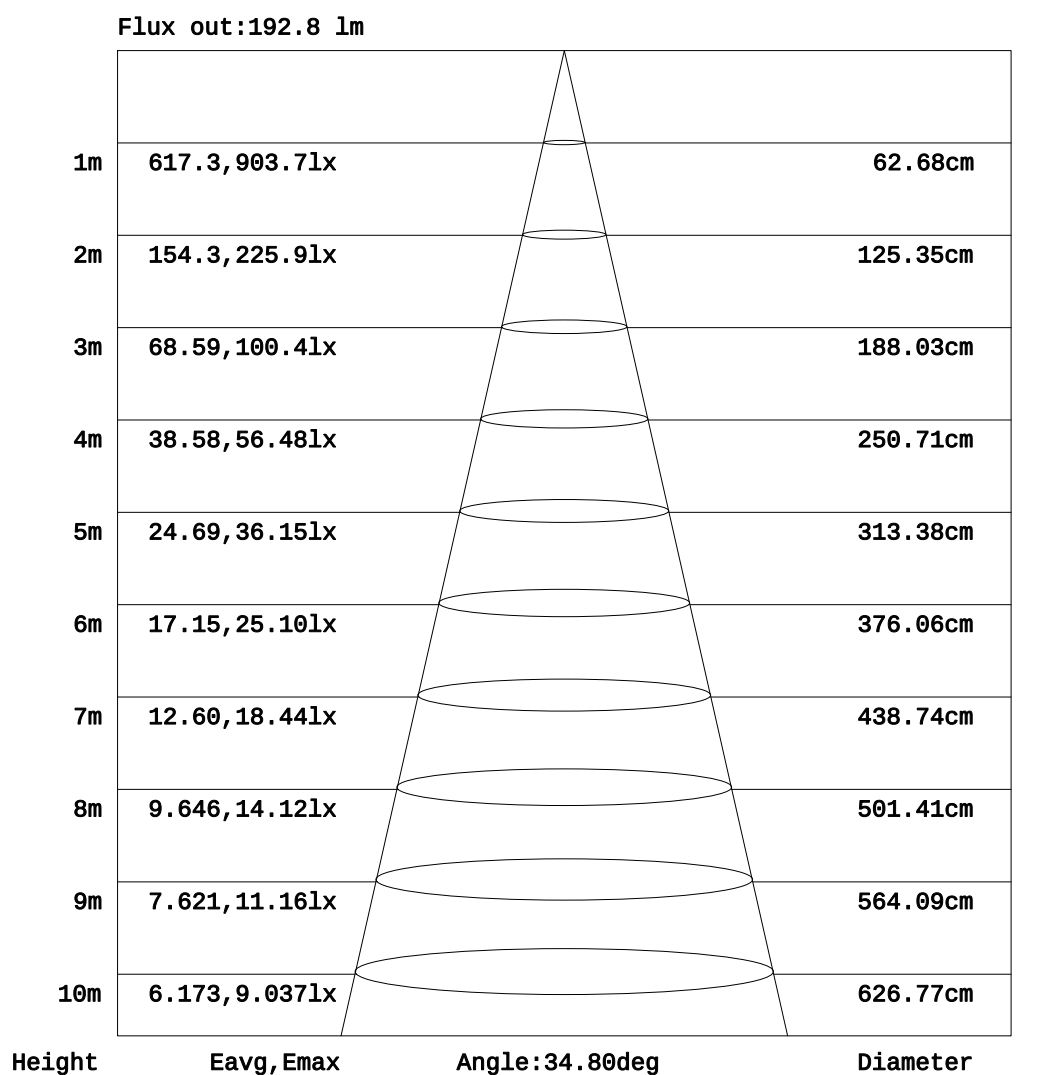


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-8-17

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 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



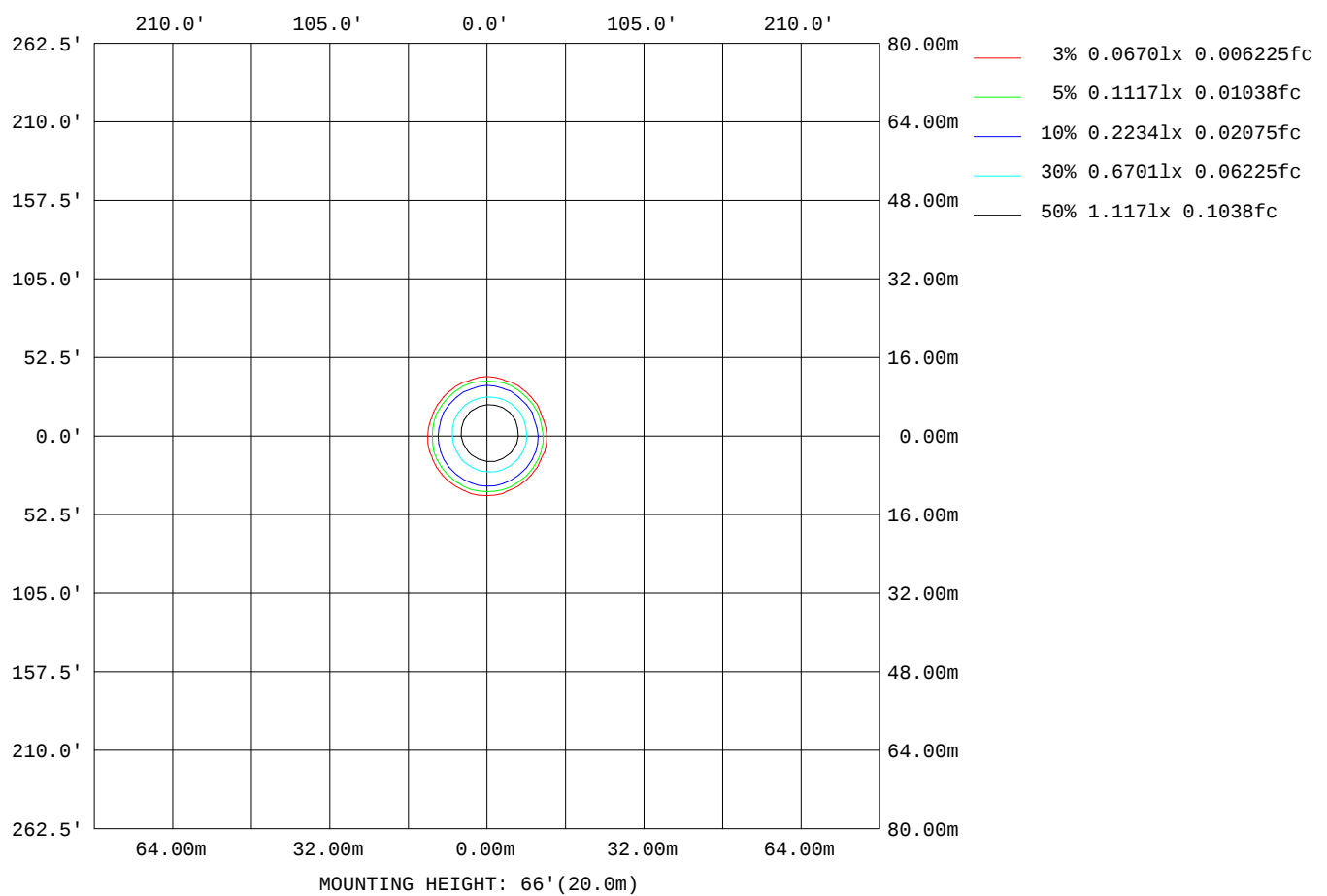
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 36D	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
 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: VM050-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

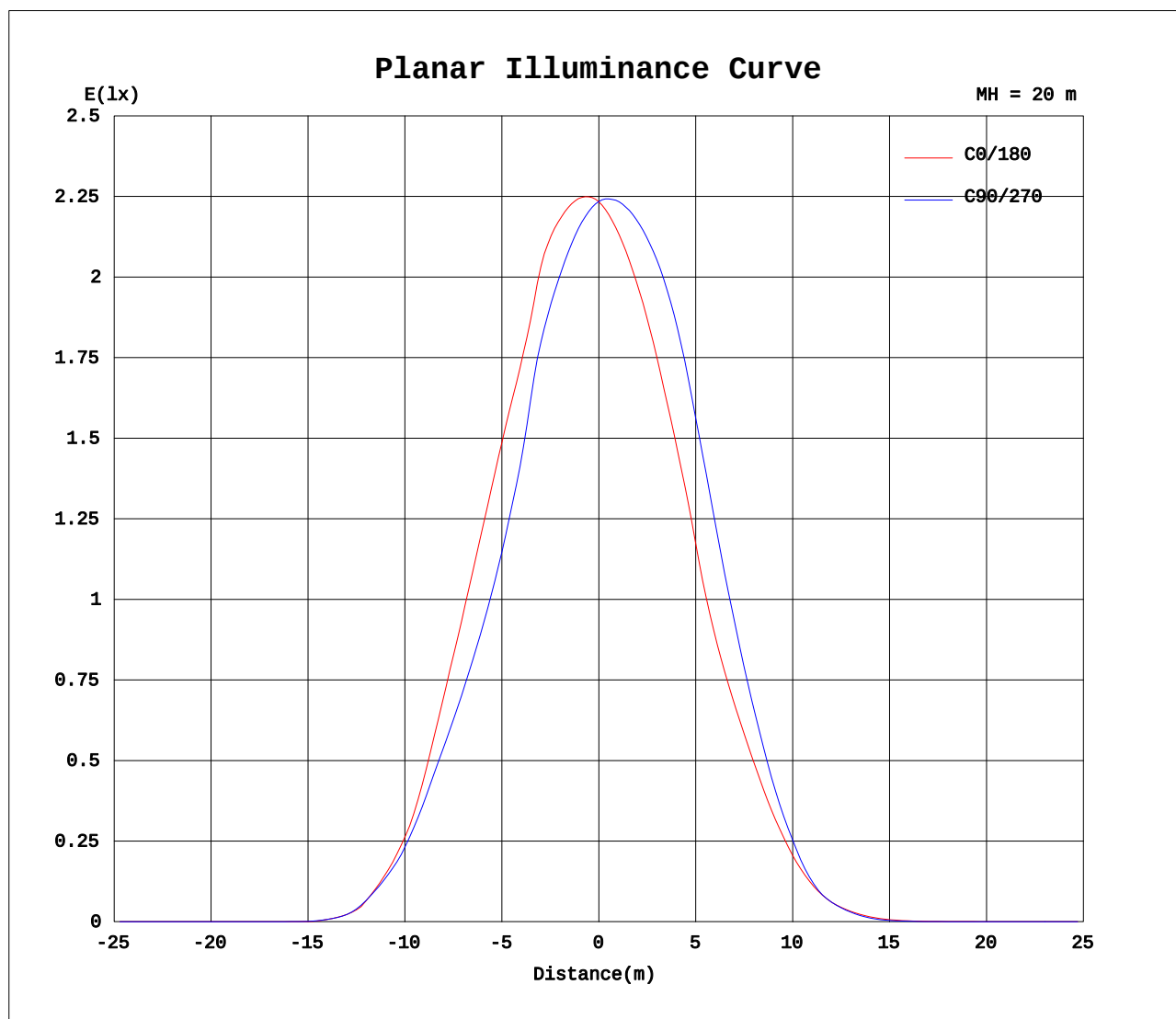
AvgL	cd/m2
L_0~180(65)av	268
L_0~180(75)av	397
L_0~180(85)av	1199
L_90~270(65)av	251
L_90~270(75)av	410
L_90~270(85)av	1157
L_45(65)av	278
L_45(75)av	400
L_45(85)av	1208

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-EF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	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	894	894	894	894	894	894	894	894	894	894	894	894	894	894	894	894	894	894	894
5	892	885	872	863	850	842	830	824	815	814	811	817	818	825	838	848	863	874	888
10	781	761	730	717	697	692	676	676	662	662	659	670	675	690	716	735	764	790	821
15	619	597	564	543	513	495	470	459	446	446	443	459	470	493	532	556	592	613	643
20	425	420	395	380	355	342	321	315	303	302	294	297	301	316	341	355	380	388	411
25	204	207	193	194	183	184	174	176	166	167	159	159	155	158	169	170	183	183	196
30	61.7	63.9	59.4	60.7	57.8	61.1	59.1	60.4	55.2	55.3	53.7	53.7	50.7	49.8	50.0	49.2	51.3	50.2	51.0
35	5.43	4.96	3.52	3.97	4.12	5.09	5.50	6.88	7.02	8.78	9.83	11.8	11.3	10.3	9.99	8.92	9.54	8.61	8.38
40	0.27	0.24	0.25	0.24	0.27	0.28	0.33	0.36	0.45	0.60	0.80	1.18	1.35	1.38	1.37	1.22	1.18	0.92	0.75
45	0.15	0.13	0.15	0.13	0.16	0.16	0.19	0.21	0.27	0.29	0.36	0.41	0.44	0.49	0.49	0.47	0.42	0.38	0.31
50	0.11	0.08	0.10	0.09	0.11	0.10	0.13	0.13	0.17	0.18	0.23	0.24	0.26	0.30	0.29	0.29	0.25	0.24	0.19
55	0.08	0.06	0.08	0.06	0.08	0.07	0.09	0.09	0.12	0.11	0.16	0.16	0.16	0.19	0.17	0.19	0.16	0.16	0.13
60	0.07	0.06	0.06	0.06	0.07	0.06	0.08	0.07	0.09	0.09	0.11	0.11	0.11	0.13	0.11	0.13	0.10	0.11	0.08
65	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.07	0.09	0.09	0.08	0.10	0.09	0.10	0.07	0.09	0.06
70	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.07	0.07	0.08	0.06	0.08	0.06	0.08	0.06
75	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.08	0.06	0.07	0.06	0.07	0.06
80	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.06	0.07	0.06
85	0.06	0.06	0.06	0.07	0.06	0.07	0.06	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.06	0.07	0.06
90	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.06	0.07	0.06
95	0.06	0.07	0.06	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07
100	0.06	0.07	0.06	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07
105	0.06	0.08	0.06	0.07	0.07	0.08	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07
110	0.07	0.09	0.06	0.08	0.07	0.08	0.06	0.08	0.07	0.08	0.07	0.08	0.08	0.07	0.09	0.07	0.08	0.07	0.09
115	0.13	0.14	0.12	0.14	0.13	0.14	0.13	0.14	0.13	0.14	0.13	0.14	0.15	0.13	0.15	0.13	0.14	0.13	0.15
120	0.26	0.28	0.28	0.30	0.29	0.31	0.31	0.32	0.32	0.33	0.33	0.33	0.35	0.32	0.33	0.31	0.31	0.30	0.30
125	0.54	0.56	0.59	0.60	0.63	0.65	0.68	0.69	0.71	0.70	0.71	0.69	0.71	0.69	0.66	0.64	0.62	0.60	0.58
130	0.98	1.01	1.05	1.08	1.14	1.17	1.23	1.24	1.27	1.26	1.28	1.24	1.25	1.21	1.16	1.12	1.08	1.06	1.02
135	1.59	1.63	1.69	1.74	1.83	1.86	1.93	1.95	1.99	1.96	1.99	1.95	1.95	1.91	1.83	1.79	1.72	1.69	1.63
140	2.34	2.38	2.46	2.51	2.60	2.65	2.73	2.74	2.79	2.77	2.79	2.74	2.75	2.71	2.61	2.57	2.48	2.45	2.37
145	3.15	3.19	3.27	3.32	3.40	3.45	3.52	3.55	3.59	3.57	3.59	3.55	3.57	3.53	3.44	3.38	3.29	3.25	3.18
150	3.90	3.94	3.99	4.04	4.11	4.16	4.21	4.24	4.26	4.25	4.26	4.24	4.27	4.23	4.17	4.12	4.06	4.02	3.96
155	4.46	4.49	4.50	4.53	4.56	4.61	4.64	4.67	4.66	4.65	4.66	4.66	4.70	4.67	4.66	4.63	4.63	4.60	4.57
160	4.74	4.73	4.71	4.70	4.70	4.73	4.75	4.72	4.74	4.76	4.75	4.78	4.90	4.84	4.80	4.87	4.89	4.86	4.88
165	4.67	4.61	4.56	4.55	4.56	4.53	4.52	4.50	4.49	4.51	4.47	4.50	4.65	4.61	4.60	4.76	4.69	4.76	4.77
170	4.35	4.27	4.21	4.17	4.16	4.12	4.11	4.07	4.07	4.07	4.14	4.15	4.16	4.24	4.27	4.29	4.30	4.34	4.37
175	4.02	3.95	3.93	3.91	3.90	3.82	3.81	3.82	3.84	3.91	3.95	3.92	3.91	3.98	4.02	4.08	4.05	4.05	4.04
180	3.93	3.93	3.92	3.96	3.92	3.89	3.91	3.90	3.92	3.99	3.96	3.95	3.93	3.92	3.92	3.97	3.92	3.90	3.91

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 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	894	894	894	894	894														
5	896	902	902	902	895														
10	835	845	835	827	799														
15	655	673	664	658	632														
20	422	450	454	455	428														
25	200	215	212	216	197														
30	51.5	55.1	56.4	58.9	54.3														
35	6.55	6.06	5.13	5.73	4.83														
40	0.52	0.42	0.35	0.29	0.27														
45	0.28	0.23	0.22	0.17	0.16														
50	0.18	0.14	0.14	0.10	0.11														
55	0.12	0.09	0.10	0.06	0.08														
60	0.09	0.06	0.08	0.06	0.06														
65	0.08	0.06	0.07	0.06	0.06														
70	0.06	0.06	0.06	0.06	0.05														
75	0.06	0.05	0.06	0.06	0.05														
80	0.06	0.05	0.06	0.06	0.05														
85	0.06	0.05	0.06	0.06	0.05														
90	0.06	0.06	0.06	0.06	0.05														
95	0.06	0.07	0.06	0.07	0.06														
100	0.06	0.07	0.06	0.07	0.06														
105	0.06	0.07	0.06	0.08	0.06														
110	0.07	0.09	0.07	0.09	0.07														
115	0.13	0.14	0.13	0.15	0.13														
120	0.28	0.29	0.28	0.29	0.28														
125	0.57	0.56	0.55	0.56	0.56														
130	1.00	0.98	0.97	0.98	0.99														
135	1.61	1.57	1.58	1.57	1.60														
140	2.35	2.30	2.31	2.30	2.34														
145	3.16	3.11	3.11	3.11	3.14														
150	3.94	3.90	3.88	3.87	3.90														
155	4.54	4.51	4.47	4.46	4.45														
160	4.85	4.82	4.76	4.76	4.74														
165	4.78	4.74	4.70	4.64	4.67														
170	4.38	4.39	4.37	4.35	4.37														
175	4.08	4.12	4.13	4.06	4.06														
180	3.91	3.92	4.00	3.97	3.95														

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: