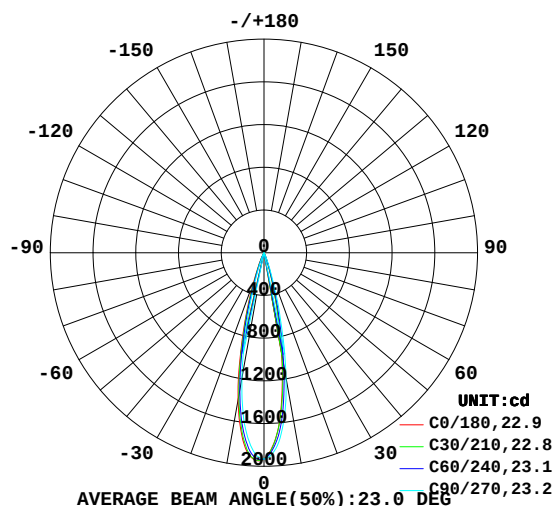


LUMINAIRE PHOTOMETRIC TEST REPORT

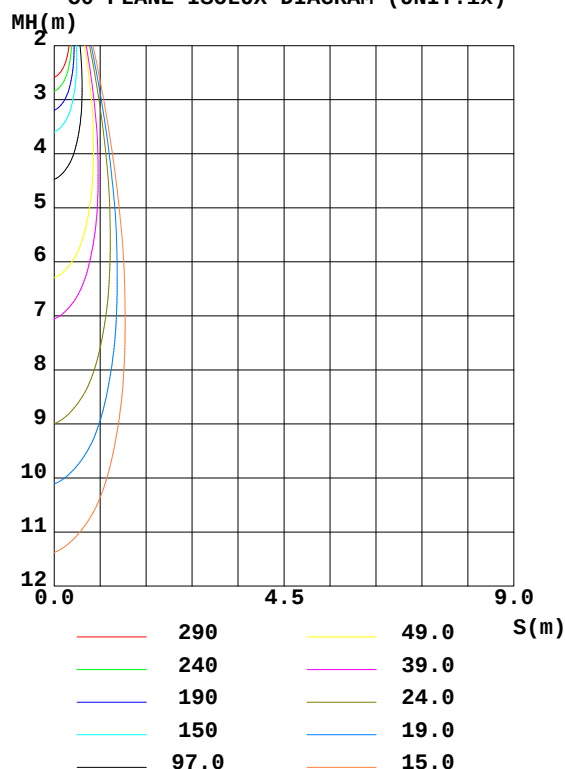
NAME: VM050-VF52RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.75 lm/W			
MODEL	BXRE-30G0600-A-73	I _{max} (cd)	1954	S/MH(C0/180)	0.42
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	332.24	η UP, DN(C0-180)	1.2, 48.5
NOMINAL FLUX(lm)	332.238	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 49.0
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:

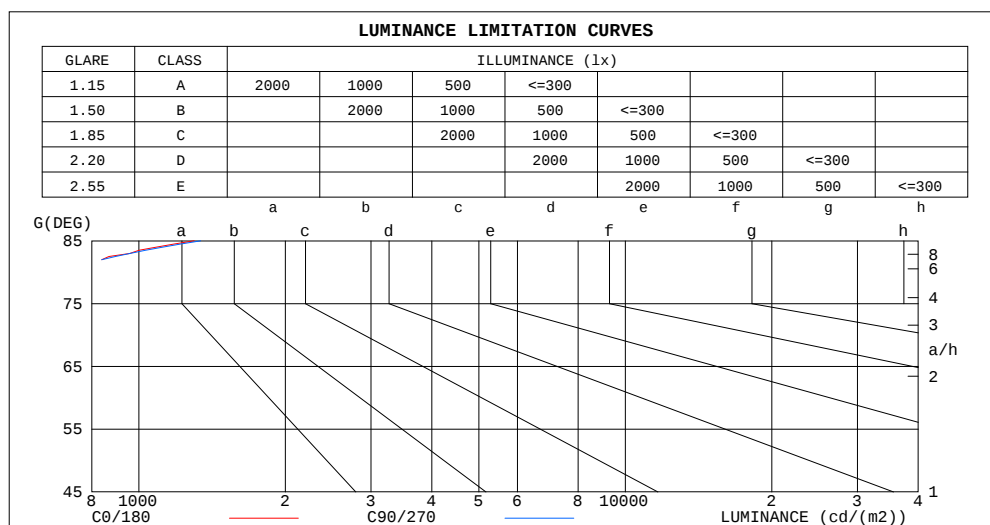
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	949.8	1036	1189	1374	1398	1311	1194	999.1	0- 10	147.8	147.8	44.5, 44.5
20	88.77	103.5	145.9	238.1	260.4	207.8	148.6	93.77	10- 20	148.5	296.3	89.2, 89.2
30	4.865	7.097	11.14	19.31	22.73	15.74	7.782	4.816	20- 30	24.86	321.2	96.7, 96.7
40	0.3414	0.4349	0.6115	0.9902	1.062	0.6930	0.4388	0.3404	30- 40	2.298	323.4	97.4, 97.4
50	0.1210	0.1253	0.1925	0.2241	0.2106	0.1894	0.1368	0.1267	40- 50	0.2410	323.7	97.4, 97.4
60	0.0725	0.0682	0.0950	0.0910	0.0768	0.0858	0.0597	0.0733	50- 60	0.0996	323.8	97.5, 97.5
70	0.0725	0.0682	0.0729	0.0666	0.0593	0.0638	0.0597	0.0644	60- 70	0.0695	323.9	97.5, 97.5
80	0.0725	0.0682	0.0729	0.0644	0.0594	0.0550	0.0597	0.0621	70- 80	0.0684	323.9	97.5, 97.5
90	0.0703	0.0726	0.0729	0.0711	0.0681	0.0572	0.0729	0.0622	80- 90	0.0710	324.0	97.5, 97.5
100	0.0703	0.0748	0.0729	0.0755	0.0835	0.0660	0.0773	0.0667	90-100	0.0774	324.1	97.5, 97.5
110	0.0703	0.0770	0.0729	0.0755	0.0835	0.0660	0.0818	0.0666	100-110	0.0776	324.2	97.6, 97.6
120	0.1555	0.1476	0.0970	0.0978	0.1034	0.0902	0.1306	0.1485	110-120	0.0845	324.2	97.6, 97.6
130	0.9626	0.8618	0.6990	0.5229	0.5328	0.5865	0.7551	0.9779	120-130	0.2975	324.5	97.7, 97.7
140	3.068	2.898	2.620	2.272	2.276	2.407	2.683	3.054	130-140	1.224	325.8	98, 98
150	5.007	4.910	4.732	4.487	4.477	4.576	4.806	5.018	140-150	2.343	328.1	98.8, 98.8
160	5.200	5.192	5.377	5.466	5.953	5.587	5.500	5.319	150-160	2.408	330.5	99.5, 99.5
170	3.572	3.638	4.046	4.320	4.471	4.365	4.123	3.721	160-170	1.398	331.9	99.9, 99.9
180	2.731	2.812	2.798	2.842	2.746	2.832	2.802	2.838	170-180	0.3299	332.2	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 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1299	1340
80	672	672
75	451	451
70	341	341
65	276	318
60	234	304
55	253	352
50	303	479
45	431	701

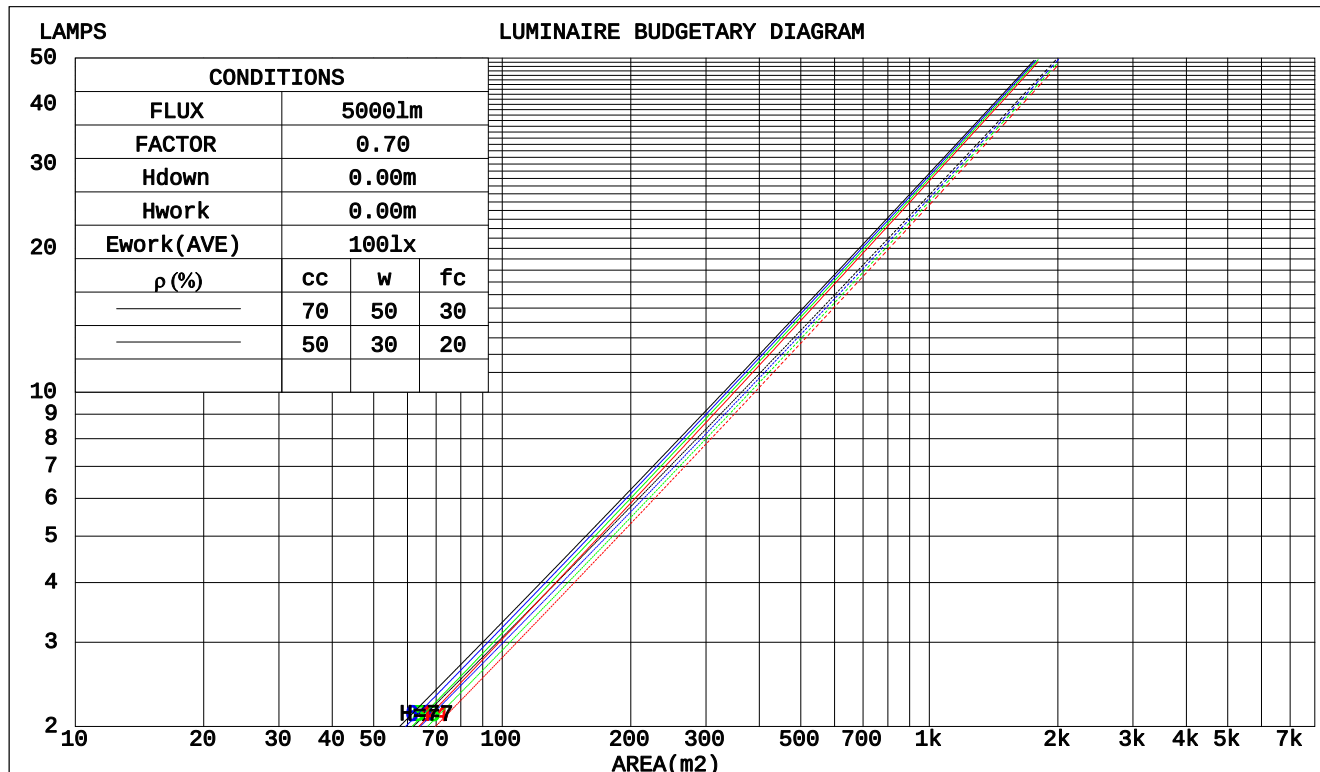
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-17

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 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	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	1.13	1.11	1.09	1.10	1.09	1.07	1.06	1.05	1.04	1.02	1.01	1.00	.98	.98	.97	.95														
2.0	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	.99	.00	.98	.97	.97	.95	.94	.93														
3.0	1.04	1.01	.98	1.03	.00	.97	.00	.97	.95	.97	.95	.94	.95	.93	.92	.91														
4.0	1.01	.97	.94	.99	.96	.94	.97	.94	.92	.95	.93	.91	.93	.91	.90	.89														
5.0	.98	.94	.91	.97	.93	.91	.95	.92	.90	.93	.91	.89	.91	.89	.88	.87														
6.0	.95	.91	.88	.94	.91	.88	.92	.89	.87	.91	.88	.87	.90	.88	.86	.85														
7.0	.92	.89	.86	.92	.88	.86	.90	.87	.85	.89	.87	.85	.88	.86	.84	.83														
8.0	.90	.86	.84	.89	.86	.84	.88	.85	.83	.87	.85	.83	.86	.84	.82	.81														
9.0	.88	.84	.82	.87	.84	.82	.87	.83	.81	.86	.83	.81	.85	.82	.81	.80														
10.0	.86	.82	.80	.86	.82	.80	.85	.82	.80	.84	.81	.79	.83	.81	.79	.78														



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 24D	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	.128	.073	.023	.121	.069	.022	.107	.061	.020	.094	.054	.017	.083	.048	.015		
2.0	.117	.064	.020	.111	.061	.019	.099	.055	.017	.089	.050	.016	.079	.045	.014		
3.0	.108	.057	.017	.103	.055	.017	.093	.051	.015	.084	.046	.014	.076	.042	.013		
4.0	.100	.052	.015	.096	.050	.015	.088	.047	.014	.080	.043	.013	.073	.040	.012		
5.0	.094	.048	.014	.090	.046	.013	.083	.043	.013	.077	.040	.012	.071	.038	.011		
6.0	.088	.044	.013	.085	.043	.012	.079	.041	.012	.073	.038	.011	.068	.036	.011		
7.0	.084	.041	.012	.081	.040	.011	.075	.038	.011	.070	.036	.011	.066	.034	.010		
8.0	.079	.039	.011	.077	.038	.011	.072	.036	.010	.068	.034	.010	.064	.033	.010		
9.0	.076	.037	.010	.073	.036	.010	.069	.034	.010	.065	.033	.009	.061	.031	.009		
10.0	.072	.035	.010	.070	.034	.009	.066	.033	.009	.063	.031	.009	.060	.030	.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	.168	.160	.152	.144	.109	.104	.100	.063	.060	.058	.020	.019	.019	
2.0	.168	.152	.138	.144	.131	.120	.099	.090	.083	.057	.053	.049	.018	.017	.016	
3.0	.153	.132	.116	.131	.114	.101	.090	.079	.071	.052	.046	.042	.017	.015	.014	
4.0	.140	.117	.100	.120	.101	.087	.082	.070	.061	.048	.041	.036	.015	.013	.012	
5.0	.129	.105	.087	.110	.090	.076	.076	.063	.053	.044	.037	.032	.014	.012	.010	
6.0	.119	.094	.077	.103	.082	.067	.071	.057	.047	.041	.034	.028	.013	.011	.009	
7.0	.111	.086	.068	.096	.075	.060	.066	.052	.042	.038	.031	.025	.012	.010	.008	
8.0	.105	.079	.062	.090	.069	.054	.062	.048	.038	.036	.028	.023	.012	.009	.008	
9.0	.099	.074	.056	.085	.064	.049	.059	.045	.035	.034	.026	.021	.011	.009	.007	
10.0	.094	.069	.052	.081	.060	.045	.056	.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:2021-8-17

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 24D						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	-3.2	-2.6	-3.0	-2.4	-2.3	1.0	1.6	1.3	1.8	2.0	
3H	-2.9	-2.3	-2.6	-2.1	-1.9	1.1	1.6	1.3	1.8	2.0	
4H	-2.4	-1.9	-2.1	-1.7	-1.4	1.1	1.6	1.4	1.9	2.1	
6H	-1.7	-1.2	-1.4	-0.9	-0.6	1.4	1.9	1.7	2.1	2.4	
8H	-1.1	-0.6	-0.8	-0.3	-0.1	1.6	2.1	1.9	2.4	2.6	
12H	-0.3	0.1	0.0	0.4	0.7	2.0	2.4	2.3	2.7	3.0	
4H 2H	-3.3	-2.8	-3.0	-2.5	-2.3	0.9	1.4	1.2	1.6	1.9	
3H	-2.7	-2.3	-2.4	-2.0	-1.7	0.9	1.4	1.3	1.7	2.0	
4H	-2.1	-1.7	-1.7	-1.3	-1.0	1.1	1.5	1.5	1.8	2.2	
6H	-1.0	-0.6	-0.6	-0.2	0.2	1.5	1.9	1.9	2.3	2.7	
8H	-0.2	0.2	0.2	0.5	1.0	1.9	2.3	2.4	2.7	3.1	
12H	0.8	1.1	1.3	1.5	2.0	2.5	2.8	3.0	3.2	3.7	
8H 4H	-1.8	-1.5	-1.4	-1.1	-0.7	1.1	1.5	1.5	1.9	2.3	
6H	-0.4	-0.1	0.1	0.4	0.8	1.8	2.1	2.2	2.5	2.9	
8H	0.7	0.9	1.1	1.4	1.8	2.3	2.6	2.8	3.1	3.5	
12H	1.9	2.1	2.4	2.6	3.1	3.2	3.4	3.7	3.9	4.4	
12H 4H	-1.7	-1.4	-1.3	-1.0	-0.5	1.1	1.4	1.6	1.8	2.3	
6H	-0.2	0.1	0.3	0.6	1.0	1.9	2.1	2.3	2.6	3.0	
8H	1.0	1.2	1.5	1.7	2.2	2.5	2.7	3.0	3.2	3.7	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.3					+ 1.7 / - 0.7					
1.5H	+ 0.7 / - 0.2					+ 3.3 / - 0.8					
2.0H	+ 0.3 / - 0.3					+ 0.4 / - 0.4					

CIE Pub.117, 332.2 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 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

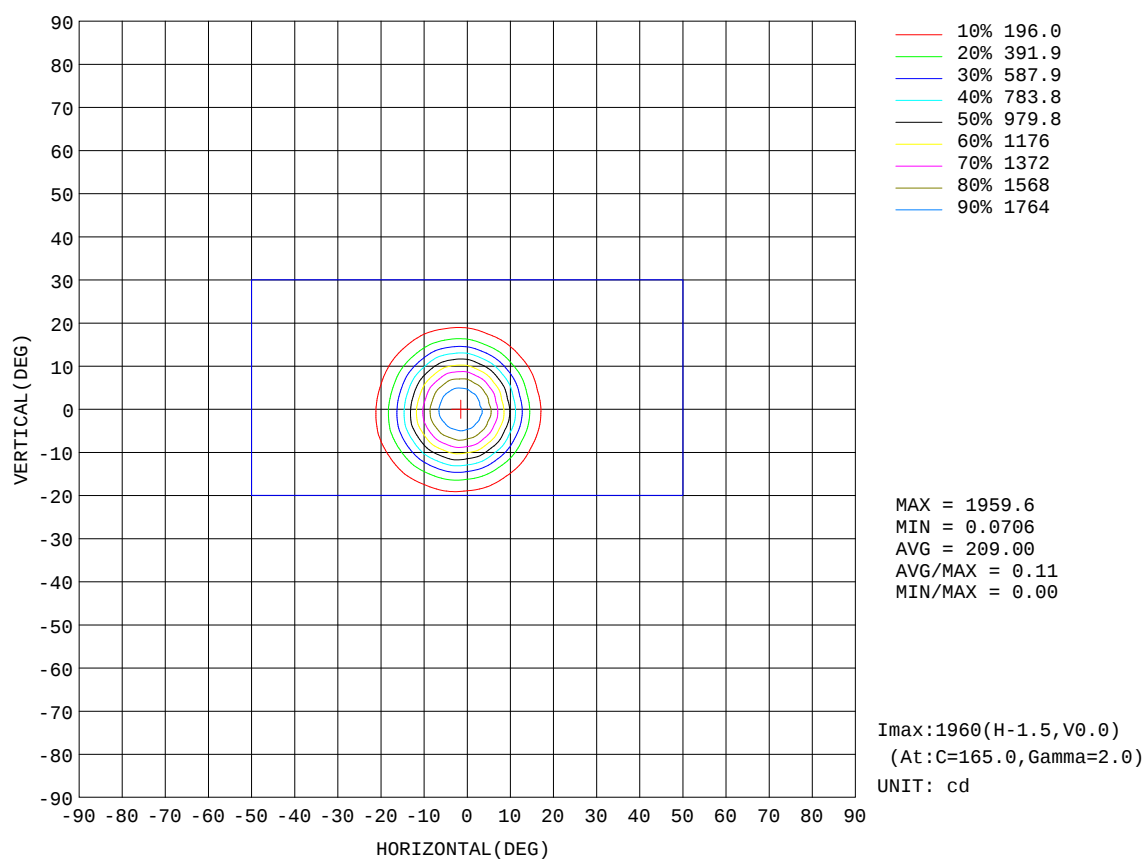
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	89	84	81	89	84	81	77
0.80	97	92	88	96	91	88	95	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	105	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	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 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

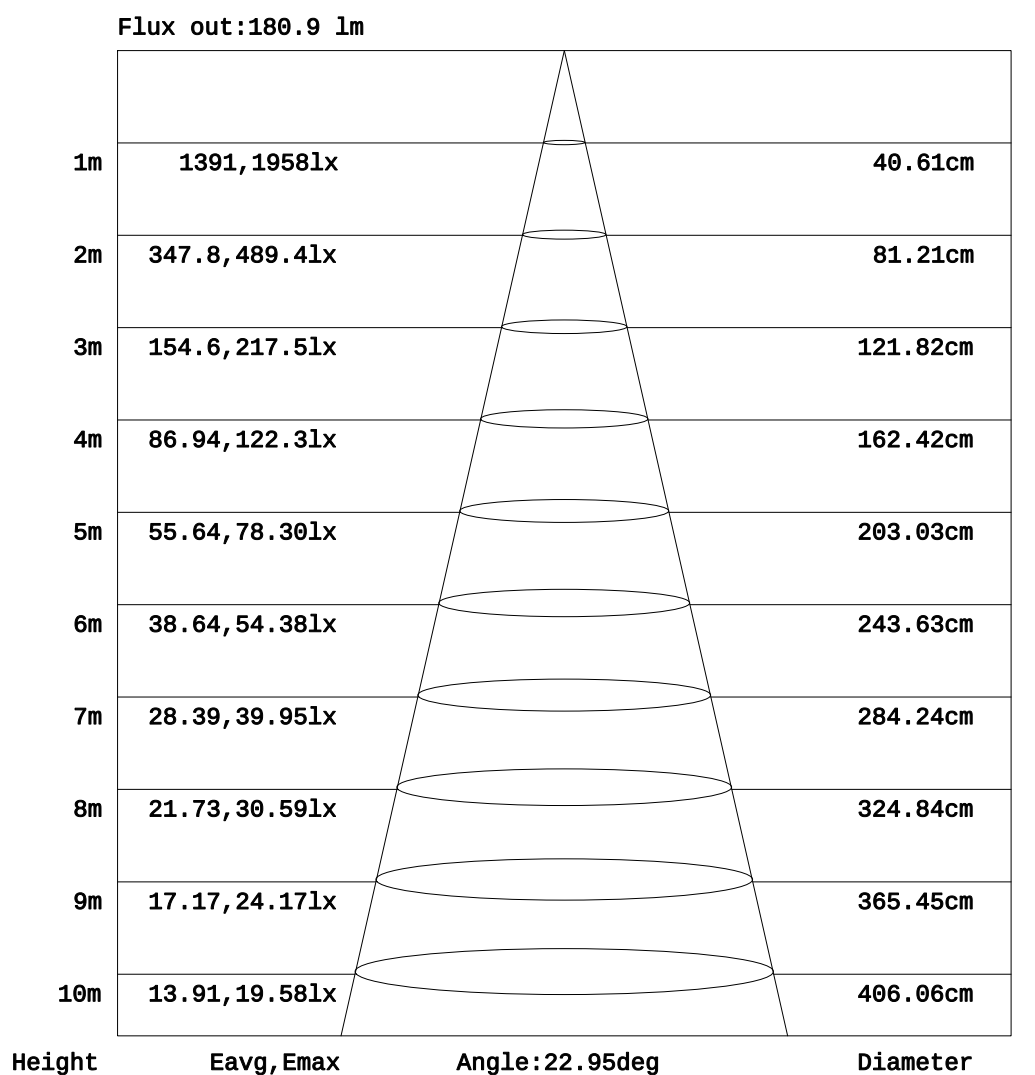


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-8-17

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 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



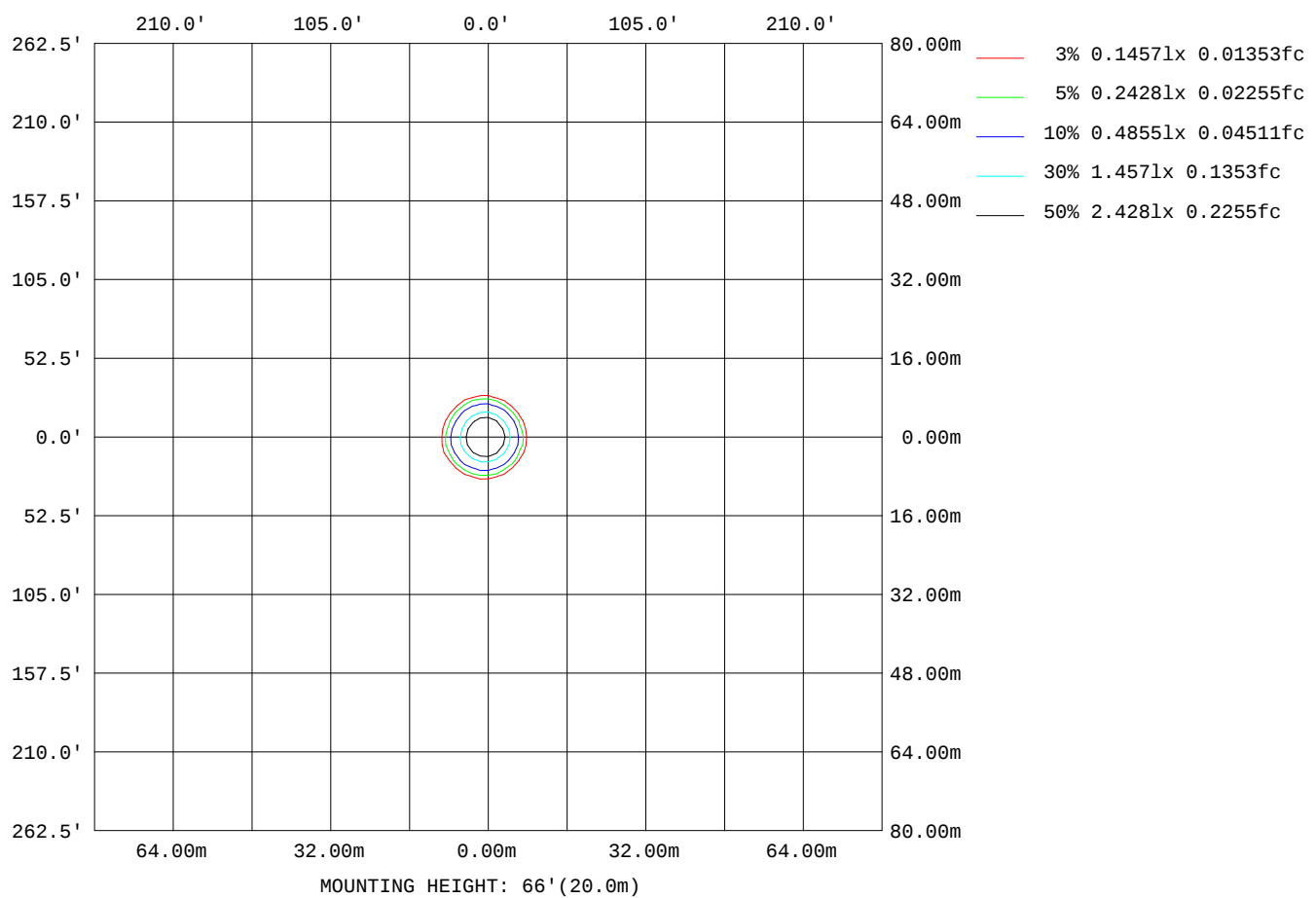
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 24D	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 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

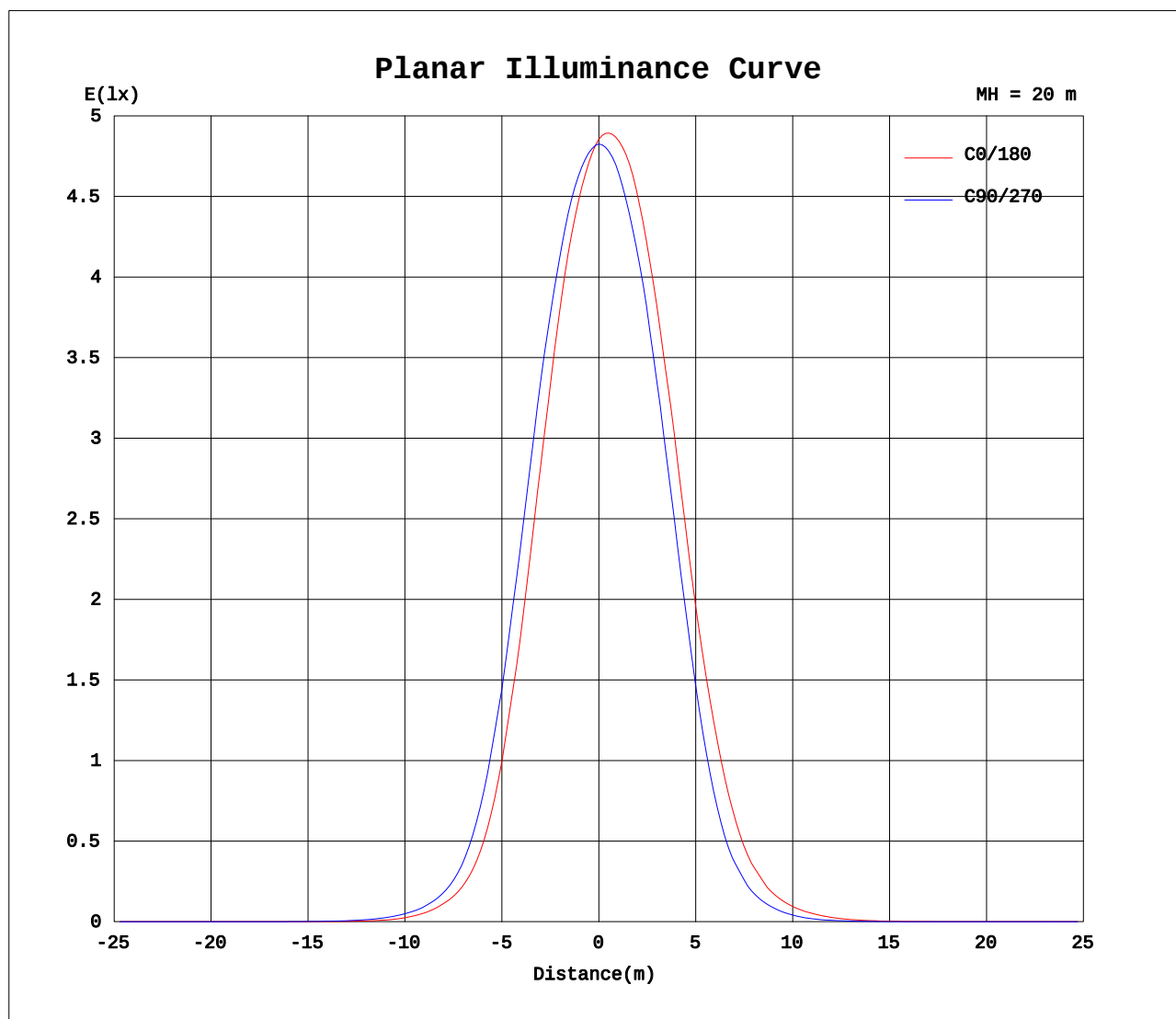
AvgL	cd/m2
L_0~180(65)av	250
L_0~180(75)av	408
L_0~180(85)av	1231
L_90~270(65)av	272
L_90~270(75)av	410
L_90~270(85)av	1279
L_45(65)av	258
L_45(75)av	386
L_45(85)av	1128

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 24D	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	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931	1931
5	1616	1628	1620	1658	1677	1720	1739	1784	1799	1837	1849	1878	1864	1847	1846	1816	1803	1763	1739
10	950	971	971	1036	1065	1152	1189	1274	1304	1374	1395	1431	1398	1355	1358	1311	1309	1241	1194
15	342	351	352	392	418	477	527	597	635	708	728	768	733	697	694	652	641	576	525
20	88.8	91.6	91.9	103	110	139	146	177	197	238	253	277	260	236	229	208	195	162	149
25	23.0	24.8	25.7	30.0	32.9	38.5	41.0	48.8	55.4	67.3	73.1	82.0	76.9	70.2	67.6	60.4	54.1	43.6	37.2
30	4.86	5.38	5.69	7.10	8.23	9.96	11.1	13.8	15.6	19.3	21.6	24.7	22.7	20.7	19.5	15.7	13.0	9.62	7.78
35	1.09	1.21	1.32	1.62	2.05	2.55	2.79	3.37	3.80	4.65	5.21	5.88	5.46	4.95	4.65	3.68	3.00	2.19	1.81
40	0.34	0.37	0.41	0.43	0.48	0.54	0.61	0.71	0.79	0.99	1.22	1.27	1.06	0.91	0.84	0.69	0.60	0.50	0.44
45	0.19	0.18	0.21	0.21	0.26	0.27	0.31	0.32	0.37	0.37	0.41	0.39	0.36	0.36	0.32	0.31	0.27	0.27	0.23
50	0.12	0.10	0.13	0.13	0.15	0.16	0.19	0.20	0.23	0.22	0.25	0.22	0.21	0.22	0.18	0.19	0.16	0.17	0.14
55	0.09	0.07	0.09	0.07	0.11	0.09	0.13	0.12	0.15	0.14	0.16	0.14	0.13	0.14	0.11	0.12	0.10	0.11	0.08
60	0.07	0.07	0.07	0.07	0.08	0.07	0.09	0.08	0.11	0.09	0.11	0.09	0.08	0.09	0.06	0.09	0.06	0.08	0.06
65	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.09	0.07	0.06	0.08	0.06	0.07	0.06	0.07	0.06
70	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
75	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.06	0.05	0.06	0.06	0.06	0.06	0.06
80	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.06	0.06	0.07	0.06	0.05	0.06	0.06	0.06	0.06	0.06
85	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07	0.06	0.05	0.06	0.06	0.06	0.06	0.07
90	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.07	0.07	0.06	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.07
95	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.07	0.07	0.06	0.08	0.07	0.06	0.08	0.06	0.08	0.06	0.08
100	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.07	0.08	0.06	0.08	0.08	0.06	0.08	0.07	0.08	0.07	0.08
105	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.07	0.08	0.06	0.08	0.08	0.07	0.08	0.07	0.08	0.07	0.08
110	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.06	0.08	0.08	0.07	0.08	0.07	0.08	0.07	0.08
115	0.07	0.10	0.07	0.09	0.07	0.09	0.07	0.08	0.07	0.08	0.06	0.08	0.09	0.07	0.09	0.07	0.09	0.07	0.09
120	0.16	0.16	0.14	0.15	0.12	0.13	0.10	0.10	0.08	0.10	0.08	0.09	0.10	0.09	0.11	0.09	0.11	0.10	0.13
125	0.39	0.39	0.38	0.35	0.32	0.29	0.25	0.24	0.20	0.20	0.18	0.18	0.20	0.19	0.22	0.21	0.24	0.26	0.30
130	0.96	0.93	0.94	0.86	0.83	0.75	0.70	0.62	0.58	0.52	0.50	0.48	0.53	0.54	0.55	0.59	0.63	0.70	0.76
135	1.91	1.86	1.87	1.76	1.71	1.58	1.52	1.40	1.34	1.23	1.21	1.14	1.24	1.27	1.27	1.34	1.38	1.52	1.58
140	3.07	3.01	3.01	2.90	2.85	2.70	2.62	2.47	2.40	2.27	2.23	2.15	2.28	2.30	2.30	2.41	2.45	2.60	2.68
145	4.19	4.14	4.14	4.04	3.99	3.86	3.77	3.63	3.56	3.44	3.41	3.32	3.42	3.46	3.47	3.56	3.62	3.76	3.84
150	5.01	4.98	4.98	4.91	4.87	4.80	4.73	4.63	4.57	4.49	4.45	4.40	4.48	4.50	4.52	4.58	4.64	4.73	4.81
155	5.35	5.33	5.31	5.31	5.31	5.33	5.29	5.26	5.22	5.18	5.15	5.15	5.20	5.19	5.21	5.22	5.29	5.32	5.39
160	5.20	5.16	5.18	5.19	5.26	5.32	5.38	5.39	5.41	5.47	5.38	5.55	5.95	5.56	5.43	5.59	5.51	5.50	5.50
165	4.51	4.49	4.49	4.61	4.71	4.81	4.90	5.00	5.07	5.14	5.09	5.21	5.50	5.22	5.15	5.17	5.15	5.15	5.09
170	3.57	3.56	3.59	3.64	3.76	3.91	4.05	4.19	4.25	4.32	4.39	4.45	4.47	4.47	4.45	4.36	4.30	4.22	4.12
175	2.75	2.74	2.79	2.86	2.95	2.99	3.08	3.19	3.30	3.42	3.49	3.50	3.48	3.50	3.51	3.49	3.39	3.31	3.20
180	2.73	2.74	2.76	2.81	2.78	2.77	2.80	2.79	2.79	2.84	2.80	2.77	2.75	2.75	2.77	2.83	2.79	2.78	2.80

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 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1931	1931	1931	1931	1931														
5	1689	1676	1642	1626	1598														
10	1107	1064	999	978	932														
15	445	412	366	354	328														
20	117	106	93.8	91.4	84.2														
25	29.7	26.9	23.3	22.9	21.3														
30	6.00	5.43	4.82	4.64	4.39														
35	1.30	1.17	1.09	1.09	1.05														
40	0.41	0.37	0.34	0.39	0.35														
45	0.23	0.20	0.20	0.17	0.18														
50	0.15	0.12	0.13	0.10	0.12														
55	0.10	0.07	0.09	0.07	0.08														
60	0.08	0.06	0.07	0.06	0.07														
65	0.07	0.06	0.07	0.06	0.06														
70	0.06	0.06	0.06	0.06	0.06														
75	0.06	0.06	0.06	0.06	0.06														
80	0.06	0.06	0.06	0.06	0.06														
85	0.06	0.06	0.06	0.06	0.06														
90	0.06	0.07	0.06	0.07	0.06														
95	0.06	0.08	0.06	0.08	0.06														
100	0.07	0.08	0.07	0.08	0.06														
105	0.07	0.08	0.07	0.08	0.07														
110	0.07	0.08	0.07	0.08	0.07														
115	0.07	0.09	0.08	0.10	0.08														
120	0.12	0.15	0.15	0.18	0.17														
125	0.33	0.37	0.40	0.43	0.45														
130	0.84	0.89	0.98	1.01	1.05														
135	1.73	1.79	1.91	1.94	2.02														
140	2.86	2.92	3.05	3.09	3.20														
145	3.99	4.06	4.18	4.21	4.30														
150	4.90	4.95	5.02	5.05	5.09														
155	5.41	5.42	5.40	5.39	5.40														
160	5.49	5.40	5.32	5.24	5.24														
165	4.98	4.85	4.69	4.56	4.55														
170	3.96	3.85	3.72	3.65	3.61														
175	3.12	3.04	2.99	2.84	2.80														
180	2.79	2.79	2.84	2.79	2.76														

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: