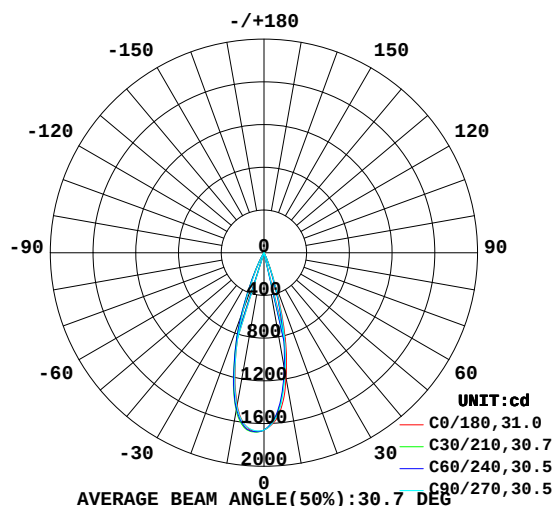


LUMINAIRE PHOTOMETRIC TEST REPORT

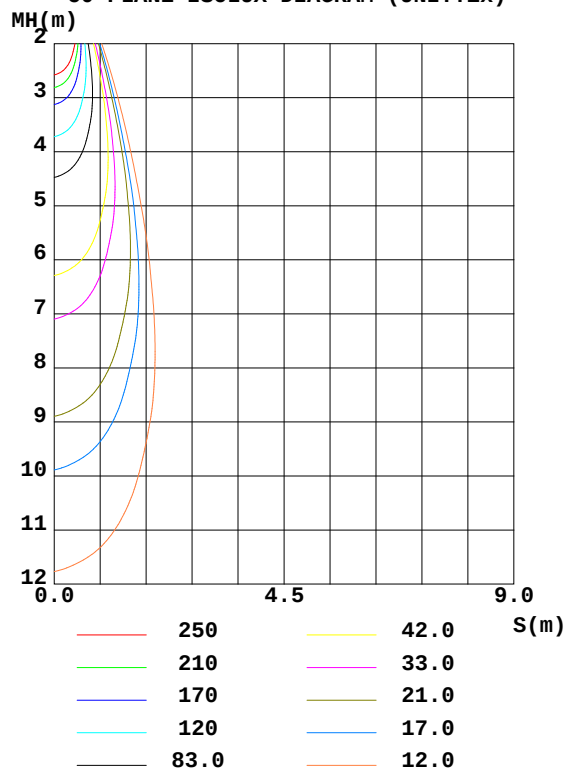
NAME: VM050-VF52RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.42 lm/W			
MODEL	BXRE-30G0800-E-73	Imax(cd)	1681	S/MH(C0/180)	0.53
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.53
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	458.50	η UP, DN(C0-180)	1.3, 41.8
NOMINAL FLUX(lm)	458.501	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 55.7
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	97.5	CIBSE SHR MAX	0.50

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:

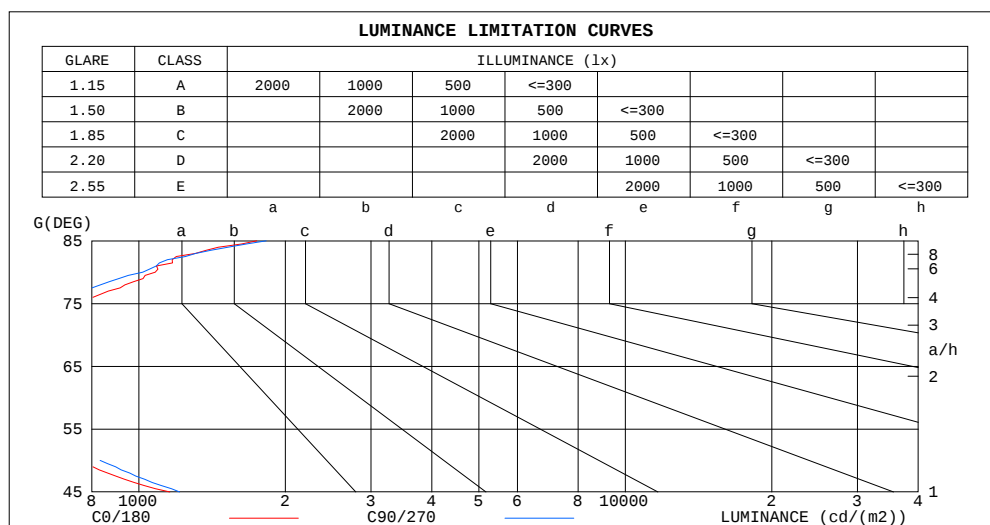
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1190	1112	1141	1304	1447	1485	1460	1326	0- 10	142.6	142.6	31.1, 31.1
20	266.7	215.6	246.0	405.2	565.3	614.4	561.0	391.1	10- 20	230.5	373.2	81.4, 81.4
30	9.654	8.037	9.577	19.54	45.37	61.82	47.40	18.17	20- 30	67.50	440.7	96.1, 96.1
40	1.342	0.8258	0.9230	1.299	2.099	3.114	2.452	1.323	30- 40	5.170	445.8	97.2, 97.2
50	0.3003	0.2620	0.3340	0.4599	0.5575	0.6291	0.6113	0.4186	40- 50	0.6384	446.5	97.4, 97.4
60	0.1457	0.1300	0.1591	0.1791	0.2072	0.2470	0.2361	0.1815	50- 60	0.2556	446.7	97.4, 97.4
70	0.1324	0.1146	0.1194	0.1018	0.1036	0.1345	0.1303	0.1394	60- 70	0.1442	446.9	97.5, 97.5
80	0.1169	0.0926	0.1104	0.0974	0.0905	0.0948	0.0950	0.1084	70- 80	0.1164	447.0	97.5, 97.5
90	0.0949	0.1124	0.0994	0.1040	0.1016	0.0970	0.0973	0.0863	80- 90	0.1069	447.1	97.5, 97.5
100	0.0971	0.1124	0.1038	0.1084	0.1258	0.1124	0.1171	0.0907	90-100	0.1120	447.2	97.5, 97.5
110	0.0971	0.1235	0.1083	0.1151	0.1324	0.1191	0.1193	0.0951	100-110	0.1162	447.3	97.6, 97.6
120	0.3479	0.4018	0.3594	0.2459	0.2253	0.1607	0.2014	0.2606	110-120	0.1596	447.5	97.6, 97.6
130	1.628	1.775	1.655	1.292	1.054	0.9027	0.9917	1.352	120-130	0.6192	448.1	97.7, 97.7
140	4.047	4.231	4.097	3.551	3.134	2.928	3.065	3.619	130-140	1.826	449.9	98.1, 98.1
150	6.405	6.536	6.501	6.066	5.719	5.543	5.699	6.127	140-150	3.042	453.0	98.8, 98.8
160	6.805	6.838	7.091	7.836	8.529	7.139	7.223	7.058	150-160	3.126	456.1	99.5, 99.5
170	5.260	5.120	5.466	5.809	6.083	6.228	6.151	5.730	160-170	1.883	458.0	99.9, 99.9
180	4.754	4.890	4.896	5.009	4.759	4.886	4.896	5.011	170-180	0.5050	458.5	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-VF52RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



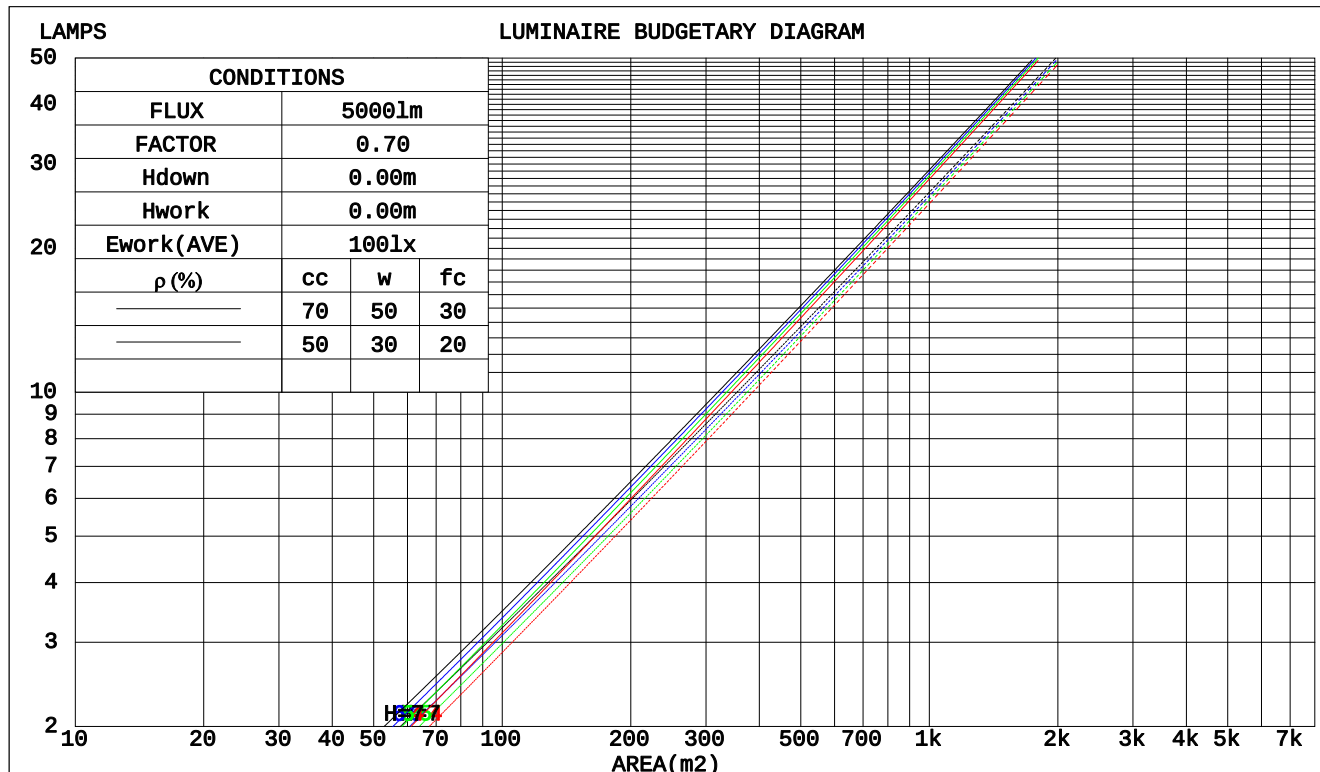
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-17

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VM050-VF52RA01-8W	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						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	1.09	1.10	1.08	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.07	1.04	1.01	1.05	1.02	1.00	1.02	.99	.98	.98	.97	.95	.95	.94	.93	.91
3.0	1.02	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.90	.88
4.0	.98	.94	.91	.97	.93	.91	.95	.92	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.95	.91	.88	.94	.90	.87	.92	.89	.86	.90	.87	.85	.88	.86	.84	.83
6.0	.91	.87	.84	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.84	.82	.81
7.0	.88	.84	.81	.88	.84	.81	.86	.83	.80	.85	.82	.80	.84	.81	.79	.78
8.0	.86	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.78	.82	.79	.77	.76
9.0	.83	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
10.0	.81	.77	.74	.80	.76	.74	.79	.76	.74	.79	.76	.73	.78	.75	.73	.72



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-VF52RA01-8W	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 Coefficients(WEC)										
0.0																	
1.0	.138	.079	.025	.131	.075	.024	.117	.067	.021	.104	.060	.019	.093	.054	.017		
2.0	.128	.070	.021	.121	.067	.021	.110	.061	.019	.099	.056	.017	.090	.051	.016		
3.0	.119	.063	.019	.114	.061	.018	.104	.056	.017	.095	.052	.016	.086	.048	.015		
4.0	.111	.058	.017	.107	.056	.017	.098	.052	.016	.091	.049	.015	.084	.045	.014		
5.0	.105	.053	.015	.101	.052	.015	.094	.049	.014	.087	.046	.014	.081	.043	.013		
6.0	.099	.050	.014	.096	.048	.014	.090	.046	.013	.084	.043	.013	.078	.041	.012		
7.0	.094	.047	.013	.091	.045	.013	.086	.043	.012	.081	.041	.012	.076	.039	.012		
8.0	.090	.044	.012	.087	.043	.012	.082	.041	.012	.078	.039	.011	.073	.038	.011		
9.0	.086	.042	.012	.084	.041	.011	.079	.039	.011	.075	.038	.011	.071	.036	.010		
10.0	.082	.040	.011	.080	.039	.011	.076	.037	.011	.073	.036	.010	.069	.035	.010		

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	.177	.167	.160	.152	.144	.110	.104	.099	.063	.060	.058	.020	.019	.019		
2.0	.170	.152	.137	.145	.131	.119	.100	.090	.083	.057	.053	.048	.018	.017	.016		
3.0	.155	.133	.115	.133	.114	.100	.091	.079	.070	.053	.046	.041	.017	.015	.014		
4.0	.142	.117	.098	.122	.101	.085	.084	.071	.060	.049	.041	.036	.016	.013	.012		
5.0	.132	.105	.085	.113	.091	.074	.078	.064	.052	.045	.037	.031	.015	.012	.010		
6.0	.123	.095	.075	.106	.082	.065	.073	.058	.046	.042	.034	.028	.014	.011	.009		
7.0	.115	.087	.067	.099	.075	.058	.069	.053	.041	.040	.031	.025	.013	.010	.008		
8.0	.109	.080	.061	.094	.070	.053	.065	.049	.037	.038	.029	.022	.012	.009	.007		
9.0	.103	.075	.055	.089	.065	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007		
10.0	.099	.070	.051	.085	.061	.044	.059	.043	.032	.034	.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-vF52RA01-8W						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		-1.0	-0.4	-0.8	-0.2	-0.0	-1.5	-0.8	-1.2	-0.7	-0.5
3H		-0.7	-0.2	-0.5	0.1	0.3	-1.2	-0.6	-1.0	-0.4	-0.2
4H		-0.4	0.1	-0.1	0.4	0.6	-1.0	-0.4	-0.7	-0.1	0.1
6H		0.1	0.6	0.4	0.9	1.2	-0.4	0.1	-0.1	0.4	0.7
8H		0.4	1.0	0.8	1.2	1.5	0.0	0.5	0.3	0.8	1.1
12H		0.9	1.4	1.3	1.7	2.0	0.6	1.1	1.0	1.4	1.7
4H 2H		-1.1	-0.6	-0.8	-0.3	-0.1	-1.6	-1.0	-1.3	-0.8	-0.5
3H		-0.7	-0.2	-0.3	0.1	0.4	-1.1	-0.6	-0.8	-0.3	0.0
4H		-0.2	0.3	0.2	0.6	1.0	-0.7	-0.2	-0.3	0.1	0.5
6H		0.6	1.0	1.0	1.4	1.7	0.1	0.5	0.5	0.9	1.3
8H		1.1	1.5	1.5	1.8	2.3	0.7	1.1	1.2	1.5	1.9
12H		1.8	2.1	2.2	2.5	3.0	1.6	2.0	2.1	2.4	2.8
8H 4H		0.0	0.4	0.4	0.8	1.2	-0.5	-0.1	-0.0	0.3	0.7
6H		1.0	1.3	1.5	1.7	2.2	0.6	0.9	1.1	1.4	1.8
8H		1.7	2.0	2.2	2.4	2.9	1.5	1.7	2.0	2.2	2.7
12H		2.6	2.9	3.1	3.3	3.9	2.7	2.9	3.2	3.4	3.9
12H 4H		0.0	0.4	0.5	0.8	1.2	-0.4	-0.1	0.0	0.3	0.8
6H		1.1	1.4	1.6	1.9	2.3	0.8	1.1	1.3	1.5	2.0
8H		1.9	2.1	2.4	2.6	3.1	1.7	2.0	2.2	2.4	3.0
Variations with the observer position at spacings:											
S = 1.0H		+ 1.2 / - 0.8					+ 0.8 / - 0.5				
1.5H		+ 2.6 / - 0.8					+ 1.5 / - 0.6				
2.0H		+ 0.8 / - 0.4					+ 0.7 / - 0.4				

CIE Pub.117, 458.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)

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-VF52RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

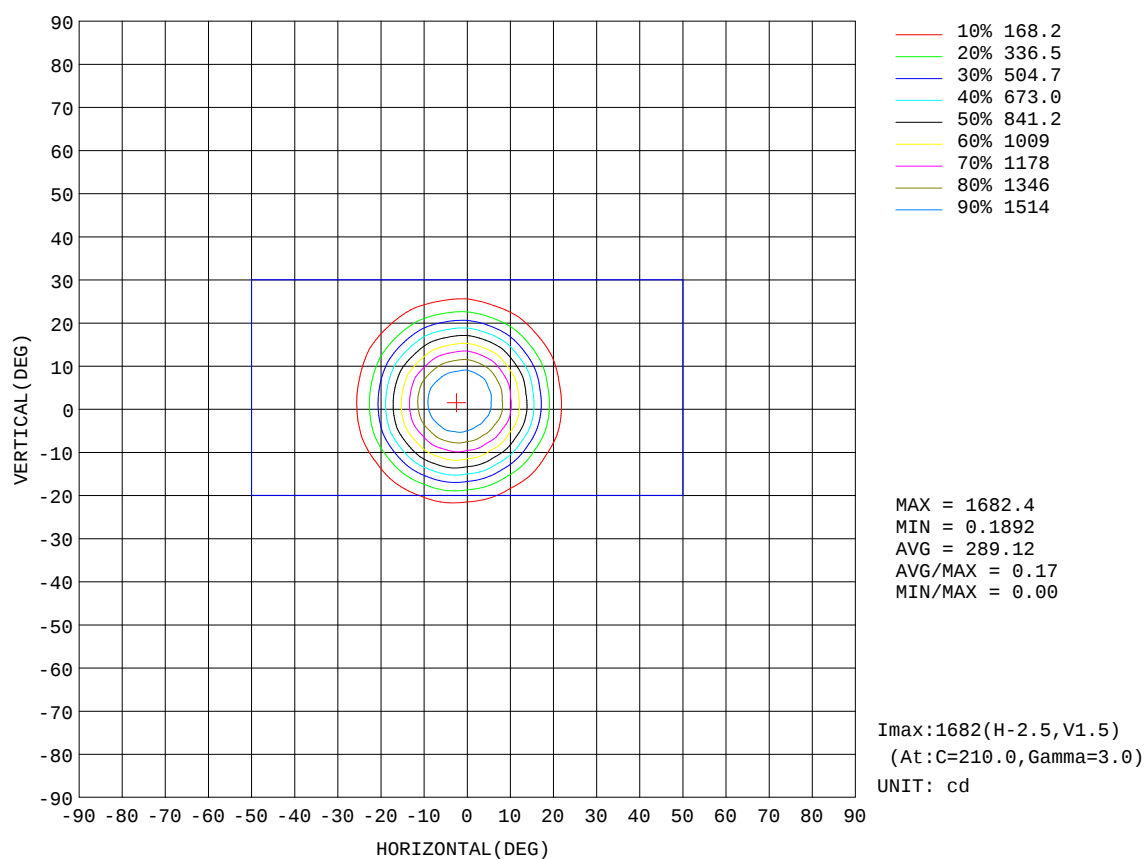
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	90	84	81	89	84	81	88	83	80	77
0.80	97	92	88	96	91	88	95	90	88	84
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										
SHRNM = 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-VF52RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

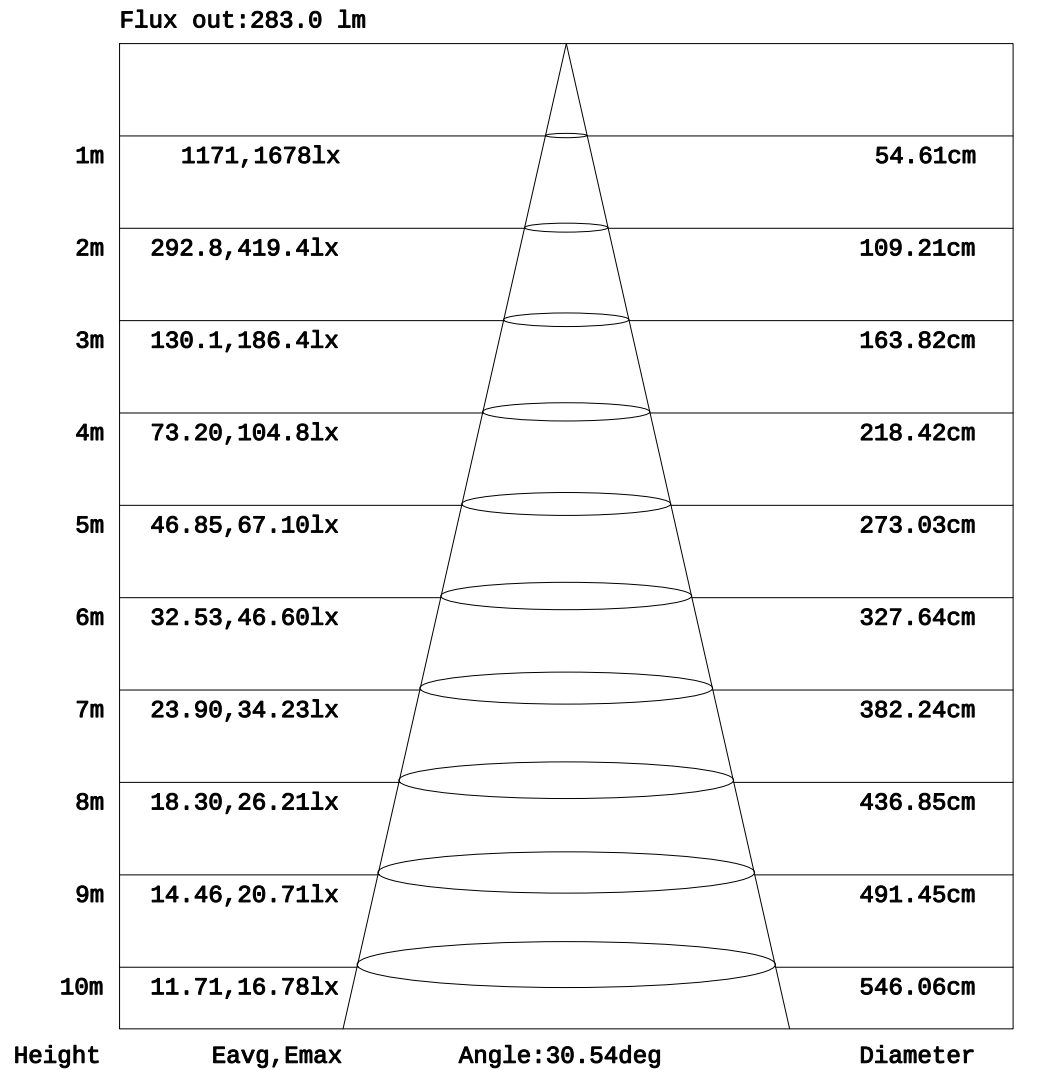


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-8-17

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-VF52RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



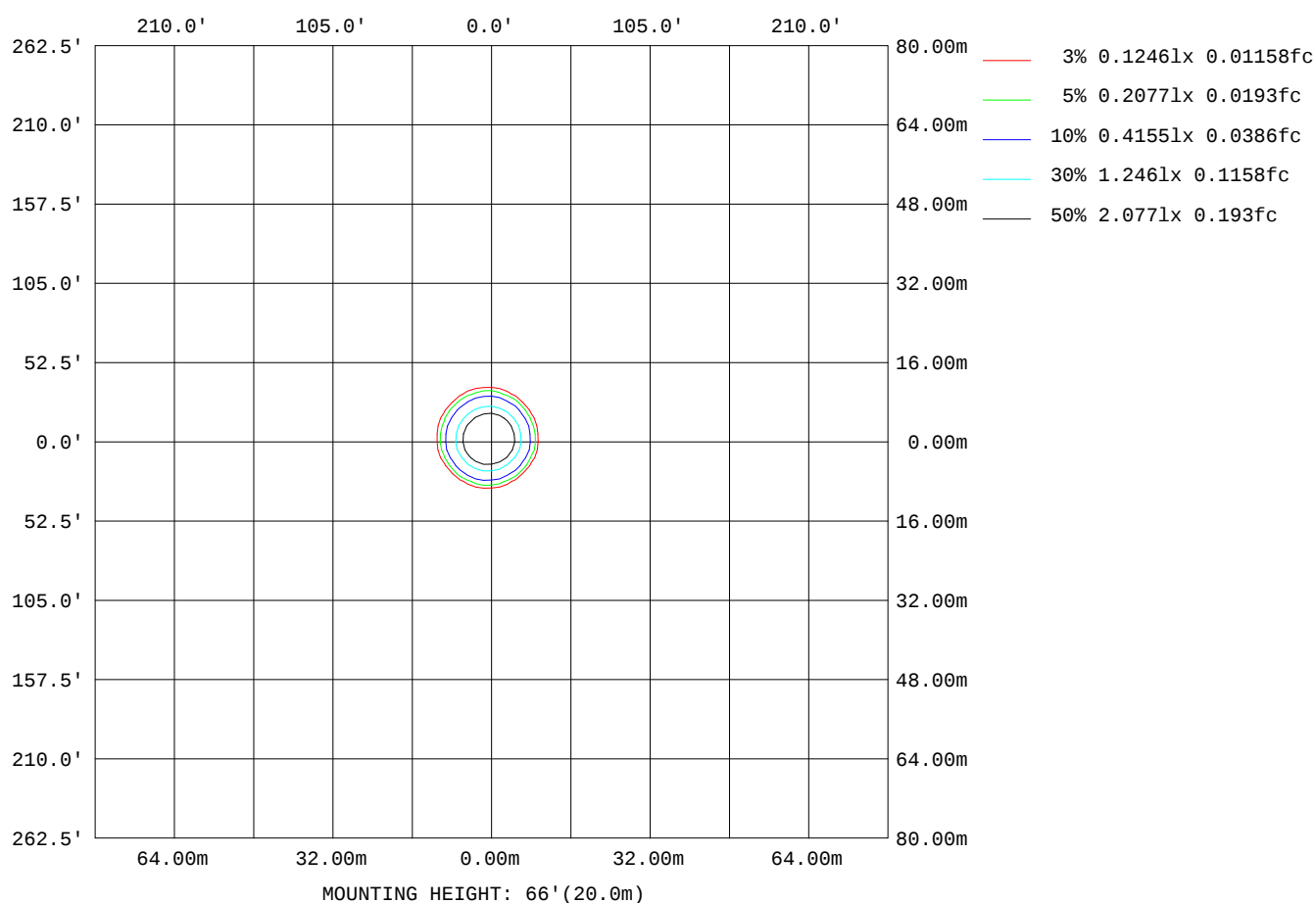
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF52RA01-8W	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
 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-VF52RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 24D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

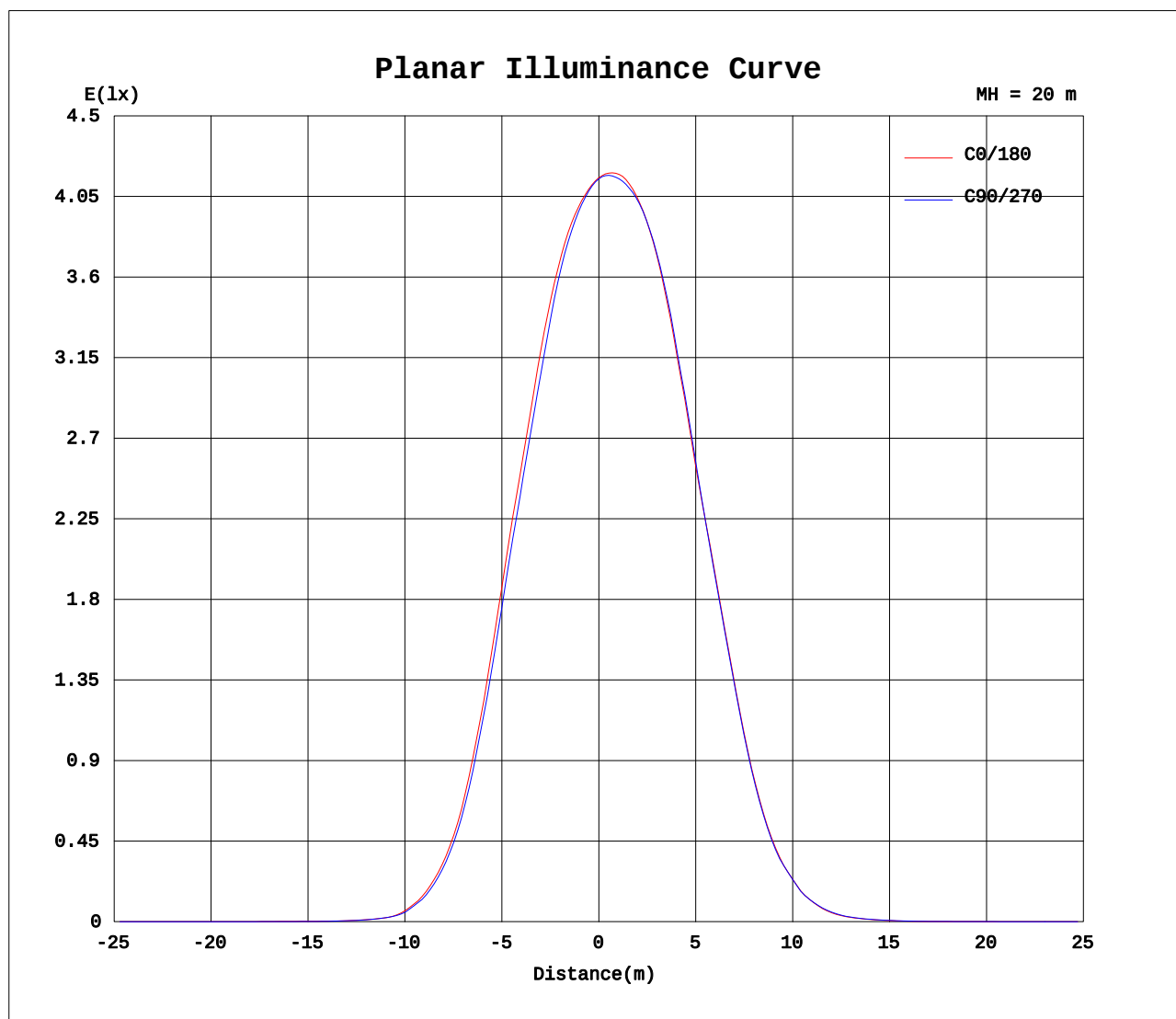
AvgL	cd/m2
L_0~180(65)av	514
L_0~180(75)av	683
L_0~180(85)av	1704
L_90~270(65)av	561
L_90~270(75)av	677
L_90~270(85)av	1766
L_45(65)av	540
L_45(75)av	694
L_45(85)av	1726

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
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 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-VF52RA01-8W	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	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660	1660
5	1532	1518	1497	1495	1483	1499	1512	1542	1561	1593	1613	1642	1654	1663	1671	1666	1666	1653	1648
10	1190	1163	1117	1112	1095	1126	1141	1196	1233	1304	1348	1421	1447	1477	1500	1485	1485	1460	1460
15	719	685	631	624	609	647	673	751	805	889	933	1007	1031	1055	1087	1073	1082	1042	1035
20	267	247	218	216	208	229	246	296	335	405	460	536	565	594	633	614	625	581	561
25	63.1	56.7	49.5	46.2	46.2	50.4	57.6	72.5	86.0	117	137	176	194	211	233	227	230	205	190
30	9.65	9.10	7.94	8.04	7.78	8.79	9.58	12.0	14.3	19.5	25.1	37.6	45.4	54.5	62.9	61.8	61.9	54.3	47.4
35	2.75	2.63	2.26	2.05	1.92	2.08	2.24	2.74	3.29	4.52	5.58	7.93	9.62	11.4	13.6	13.4	13.3	11.5	10.2
40	1.34	0.96	0.83	0.83	0.83	0.88	0.92	1.03	1.13	1.30	1.46	1.78	2.10	2.49	3.08	3.11	3.26	2.82	2.45
45	0.51	0.46	0.44	0.45	0.47	0.50	0.54	0.60	0.67	0.76	0.81	0.87	0.91	0.98	1.17	1.08	1.13	1.06	1.01
50	0.30	0.27	0.27	0.26	0.28	0.30	0.33	0.37	0.41	0.46	0.50	0.54	0.56	0.58	0.62	0.63	0.65	0.62	0.61
55	0.19	0.17	0.18	0.16	0.19	0.18	0.22	0.22	0.26	0.28	0.31	0.33	0.33	0.36	0.37	0.39	0.40	0.39	0.38
60	0.15	0.13	0.13	0.13	0.14	0.13	0.16	0.16	0.18	0.18	0.21	0.21	0.21	0.22	0.22	0.25	0.24	0.25	0.24
65	0.13	0.13	0.13	0.12	0.13	0.12	0.13	0.12	0.14	0.13	0.16	0.15	0.14	0.16	0.15	0.17	0.16	0.18	0.16
70	0.13	0.13	0.13	0.11	0.13	0.11	0.12	0.10	0.12	0.10	0.13	0.11	0.10	0.12	0.11	0.13	0.12	0.14	0.13
75	0.13	0.10	0.12	0.11	0.11	0.09	0.11	0.10	0.10	0.10	0.12	0.10	0.09	0.10	0.10	0.11	0.10	0.12	0.11
80	0.12	0.09	0.11	0.09	0.11	0.10	0.11	0.10	0.10	0.10	0.11	0.10	0.09	0.09	0.10	0.09	0.09	0.11	0.10
85	0.09	0.09	0.09	0.10	0.10	0.11	0.10	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.10	0.09	0.10	0.10	0.09
90	0.09	0.10	0.09	0.11	0.10	0.11	0.10	0.11	0.10	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.10	0.10	0.10
95	0.09	0.10	0.09	0.11	0.11	0.11	0.10	0.11	0.10	0.10	0.10	0.12	0.11	0.10	0.11	0.10	0.11	0.10	0.11
100	0.10	0.10	0.09	0.11	0.11	0.12	0.10	0.11	0.10	0.11	0.10	0.12	0.13	0.11	0.12	0.11	0.12	0.10	0.12
105	0.10	0.10	0.09	0.11	0.11	0.12	0.10	0.11	0.10	0.11	0.10	0.13	0.13	0.12	0.13	0.11	0.13	0.11	0.12
110	0.10	0.11	0.10	0.12	0.11	0.13	0.11	0.12	0.10	0.12	0.11	0.13	0.13	0.13	0.14	0.12	0.13	0.11	0.12
115	0.14	0.17	0.16	0.18	0.18	0.19	0.16	0.16	0.13	0.14	0.13	0.14	0.15	0.14	0.17	0.12	0.13	0.12	0.13
120	0.35	0.37	0.39	0.40	0.40	0.38	0.36	0.32	0.28	0.25	0.24	0.22	0.23	0.22	0.23	0.16	0.19	0.18	0.20
125	0.83	0.86	0.92	0.91	0.91	0.86	0.83	0.75	0.70	0.59	0.56	0.50	0.49	0.48	0.43	0.38	0.39	0.43	0.45
130	1.63	1.69	1.78	1.77	1.79	1.71	1.65	1.54	1.45	1.29	1.20	1.08	1.05	1.01	0.92	0.90	0.90	0.96	0.99
135	2.75	2.83	2.93	2.93	2.95	2.85	2.79	2.62	2.52	2.34	2.19	2.00	1.94	1.86	1.78	1.83	1.79	1.84	1.89
140	4.05	4.12	4.25	4.23	4.27	4.17	4.10	3.95	3.81	3.55	3.44	3.22	3.13	3.06	2.97	2.93	2.91	3.01	3.07
145	5.35	5.41	5.52	5.52	5.56	5.47	5.41	5.23	5.09	4.87	4.73	4.72	4.74	4.62	4.36	4.23	4.22	4.32	4.40
150	6.41	6.46	6.54	6.54	6.58	6.54	6.50	6.36	6.25	6.07	5.94	5.77	5.72	5.64	5.55	5.54	5.54	5.63	5.70
155	6.96	6.95	6.99	7.00	7.06	7.12	7.12	7.04	7.01	6.87	6.80	6.71	6.70	6.65	6.59	6.59	6.63	6.68	6.72
160	6.80	6.75	6.76	6.84	6.86	7.01	7.09	7.06	7.10	7.84	7.06	7.47	8.53	7.28	7.09	7.14	7.18	7.18	7.22
165	6.15	6.06	6.01	6.12	6.21	6.30	6.39	6.54	6.61	6.70	6.66	6.79	7.11	6.91	6.93	6.96	7.00	6.98	6.94
170	5.26	5.15	5.10	5.12	5.22	5.33	5.47	5.61	5.69	5.81	5.93	6.08	6.08	6.15	6.25	6.23	6.25	6.20	6.15
175	4.61	4.57	4.58	4.66	4.72	4.73	4.79	4.90	5.02	5.20	5.29	5.34	5.19	5.29	5.42	5.47	5.44	5.39	5.35
180	4.75	4.76	4.80	4.89	4.86	4.84	4.90	4.89	4.92	5.01	4.96	4.93	4.76	4.76	4.80	4.89	4.86	4.84	4.90

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-VF52RA01-8W	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	1660	1660	1660	1660	1660														
5	1630	1616	1590	1575	1551														
10	1420	1389	1326	1283	1217														
15	984	952	875	830	751														
20	505	463	391	349	289														
25	157	143	108	92.2	70.9														
30	35.4	27.5	18.2	13.6	10.4														
35	7.93	6.26	4.39	3.44	2.69														
40	1.95	1.63	1.32	1.16	1.05														
45	0.91	0.84	0.72	0.64	0.55														
50	0.55	0.49	0.42	0.36	0.32														
55	0.35	0.30	0.26	0.21	0.20														
60	0.23	0.19	0.18	0.15	0.15														
65	0.17	0.14	0.15	0.13	0.13														
70	0.14	0.13	0.14	0.13	0.13														
75	0.12	0.11	0.13	0.11	0.12														
80	0.11	0.10	0.11	0.09	0.11														
85	0.10	0.09	0.09	0.09	0.09														
90	0.09	0.10	0.09	0.09	0.09														
95	0.09	0.10	0.09	0.10	0.09														
100	0.09	0.11	0.09	0.10	0.09														
105	0.10	0.11	0.10	0.10	0.10														
110	0.10	0.11	0.10	0.11	0.10														
115	0.11	0.13	0.12	0.15	0.15														
120	0.20	0.24	0.26	0.30	0.35														
125	0.50	0.55	0.65	0.72	0.82														
130	1.10	1.19	1.35	1.46	1.62														
135	2.04	2.17	2.38	2.51	2.73														
140	3.24	3.38	3.62	3.77	4.01														
145	4.57	4.71	4.93	5.08	5.30														
150	5.86	5.95	6.13	6.24	6.41														
155	6.82	6.86	6.94	6.94	6.99														
160	7.25	7.14	7.06	6.98	6.92														
165	6.84	6.75	6.57	6.43	6.33														
170	6.00	5.90	5.73	5.62	5.51														
175	5.29	5.25	5.17	5.03	4.91														
180	4.89	4.92	5.01	4.97	4.93														

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: