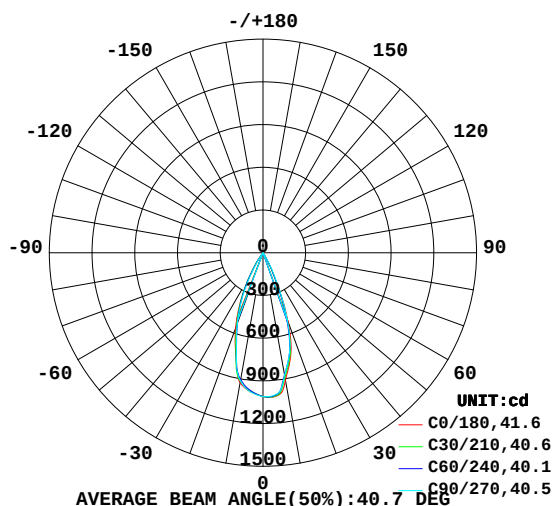


LUMINAIRE PHOTOMETRIC TEST REPORT

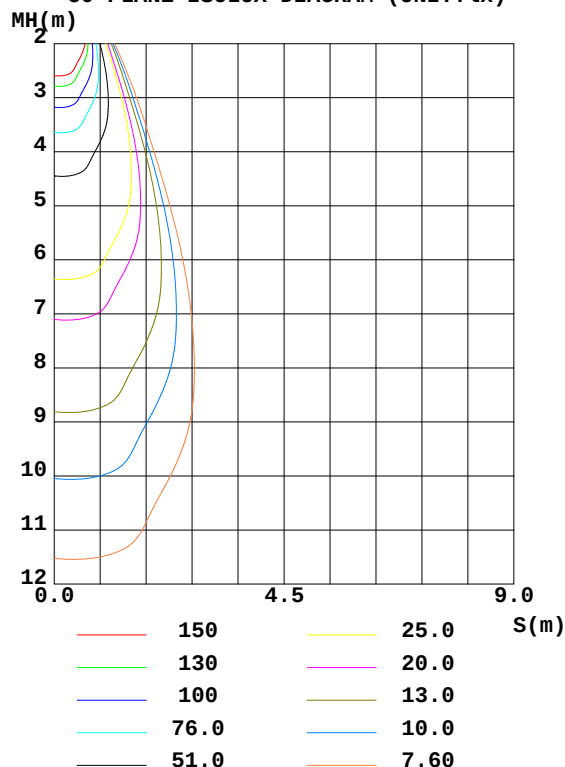
NAME: VM050-VF52RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K C180 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.59 lm/W			
MODEL	BXRE-30G0800-E-73	I _{max} (cd)	1017	S/MH(C0/180)	0.68
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.66
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	459.91	η UP, DN(C0-180)	1.3, 45.2
NOMINAL FLUX(lm)	459.91	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 52.4
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	97.5	CIBSE SHR MAX	0.65

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:

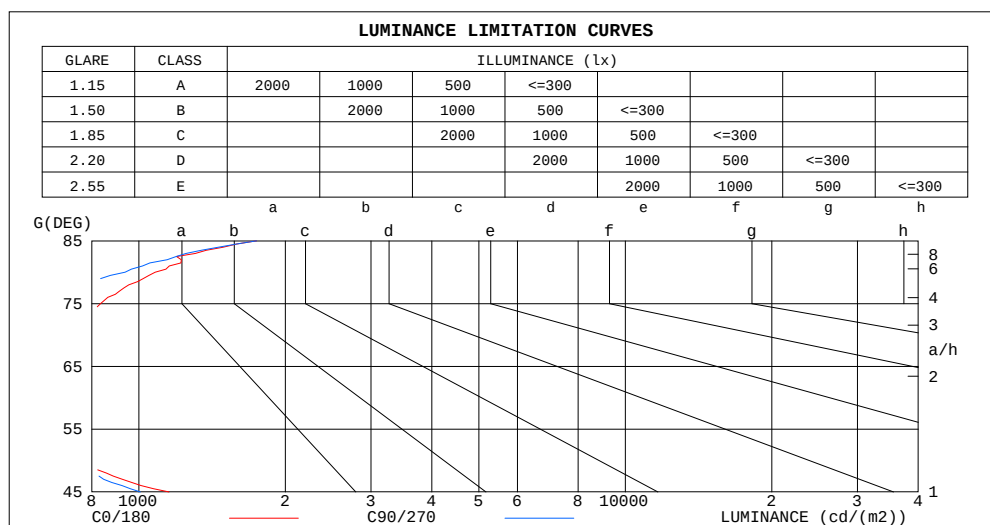
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	909.9	884.1	874.5	884.2	927.2	905.2	913.4	964.4	0- 10	92.51	92.51	20.1,20.1
20	515.1	490.6	498.4	486.9	562.3	528.8	528.6	615.5	10- 20	201.3	293.8	63.9,63.9
30	60.23	56.65	76.18	79.36	170.0	178.3	144.6	136.2	20- 30	133.6	427.4	92.9,92.9
40	0.9100	0.7279	0.7694	1.294	2.370	4.020	2.965	1.319	30- 40	19.80	447.2	97.2,97.2
50	0.2943	0.2257	0.2814	0.4965	0.6048	0.7961	0.7696	0.3874	40- 50	0.6613	447.9	97.4,97.4
60	0.1460	0.1129	0.1395	0.2066	0.2407	0.3147	0.3074	0.1760	50- 60	0.2816	448.2	97.4,97.4
70	0.1348	0.0975	0.1085	0.1297	0.1326	0.1661	0.1638	0.1276	60- 70	0.1590	448.3	97.5,97.5
80	0.1172	0.0952	0.1018	0.0989	0.0972	0.0864	0.1283	0.1078	70- 80	0.1238	448.4	97.5,97.5
90	0.0972	0.1019	0.0996	0.1099	0.0950	0.0975	0.0952	0.0858	80- 90	0.1078	448.5	97.5,97.5
100	0.0907	0.1041	0.0996	0.1099	0.1193	0.0996	0.0974	0.0923	90-100	0.1085	448.7	97.6,97.6
110	0.1434	0.1663	0.1437	0.1541	0.1393	0.1041	0.1219	0.1164	100-110	0.1157	448.8	97.6,97.6
120	0.6553	0.6451	0.6146	0.6097	0.4338	0.3870	0.4347	0.4546	110-120	0.2776	449.0	97.6,97.6
130	1.879	1.862	1.807	1.873	1.525	1.440	1.516	1.514	120-130	0.9212	450.0	97.8,97.8
140	3.735	3.732	3.677	3.775	3.287	3.266	3.337	3.274	130-140	1.966	451.9	98.3,98.3
150	5.552	5.594	5.609	5.630	5.258	5.274	5.356	5.232	140-150	2.824	454.8	98.9,98.9
160	6.283	6.430	6.529	6.495	7.333	6.970	6.554	6.328	150-160	2.792	457.6	99.5,99.5
170	5.844	5.887	6.023	5.985	5.938	6.031	6.070	6.082	160-170	1.798	459.3	99.9,99.9
180	5.768	5.838	5.812	5.972	5.768	5.841	5.807	5.970	170-180	0.5613	459.9	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:2021-8-17

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



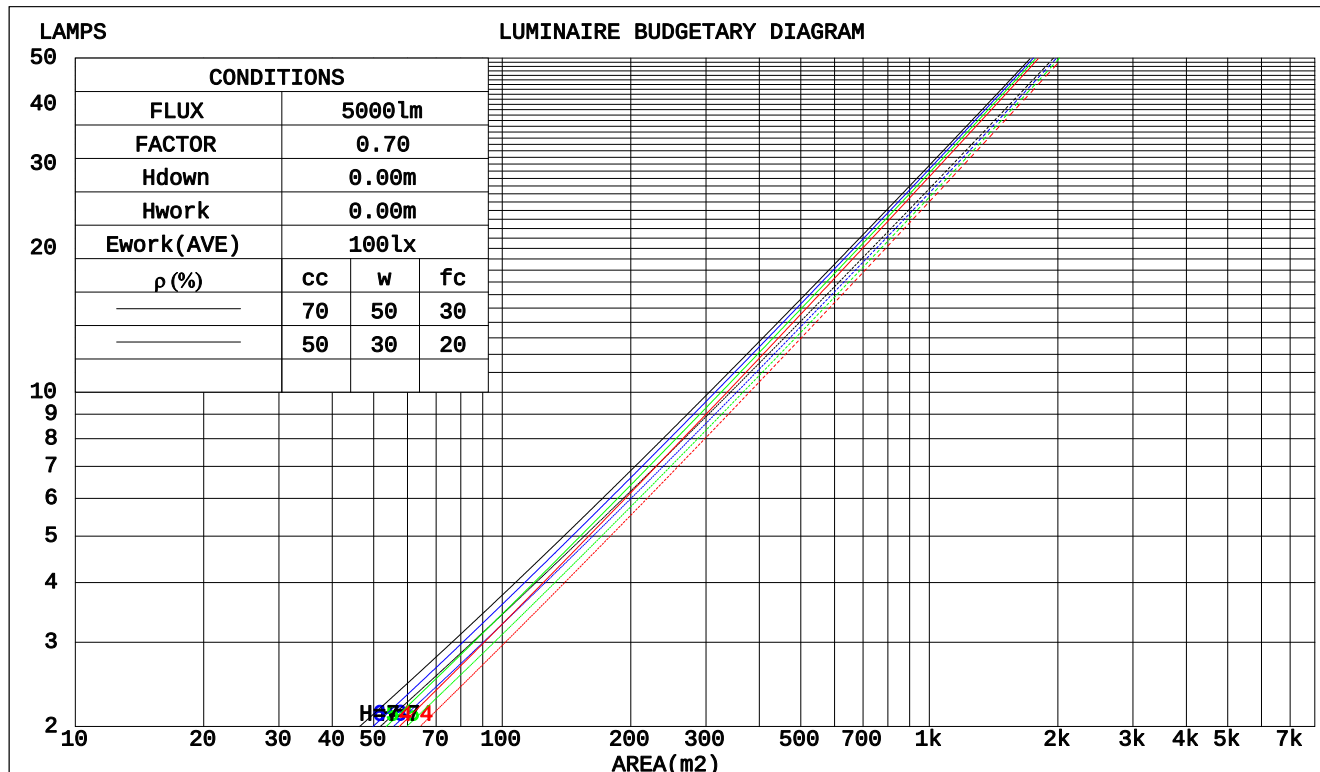
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-17

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VM050-VF52RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	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	1.12	1.09	1.08	1.09	1.07	1.06	1.05	1.03	1.02	1.01	.99	.98	.97	.96	.95	.93														
2.0	1.05	1.02	.99	1.04	1.01	.98	1.00	.98	.96	.97	.95	.93	.94	.92	.91	.89														
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.90	.93	.91	.88	.91	.89	.87	.85														
4.0	.95	.91	.87	.94	.90	.87	.92	.88	.86	.90	.87	.84	.87	.85	.83	.82														
5.0	.91	.86	.83	.90	.86	.82	.88	.84	.81	.86	.83	.80	.84	.82	.80	.78														
6.0	.87	.82	.79	.86	.82	.78	.84	.81	.78	.83	.80	.77	.82	.79	.76	.75														
7.0	.83	.78	.75	.83	.78	.75	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72														
8.0	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.73	.71	.76	.73	.70	.69														
9.0	.77	.72	.69	.76	.72	.69	.75	.71	.68	.74	.71	.68	.73	.70	.68	.67														
10.0	.74	.69	.66	.73	.69	.66	.73	.68	.66	.72	.68	.65	.71	.68	.65	.64														



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 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 Coefficients(WEC)										
0.0																	
1.0	.152	.086	.027	.144	.082	.026	.130	.075	.024	.118	.068	.022	.106	.061	.020		
2.0	.142	.078	.024	.136	.075	.023	.124	.069	.021	.113	.064	.020	.103	.058	.018		
3.0	.133	.071	.021	.128	.069	.021	.118	.064	.019	.109	.060	.018	.100	.056	.017		
4.0	.126	.065	.019	.121	.063	.019	.113	.060	.018	.105	.056	.017	.097	.053	.016		
5.0	.119	.061	.018	.115	.059	.017	.108	.056	.017	.101	.053	.016	.095	.051	.015		
6.0	.114	.057	.016	.110	.056	.016	.104	.053	.015	.097	.051	.015	.092	.048	.014		
7.0	.108	.054	.015	.105	.052	.015	.100	.050	.014	.094	.048	.014	.089	.046	.014		
8.0	.104	.051	.014	.101	.050	.014	.096	.048	.014	.091	.046	.013	.086	.044	.013		
9.0	.100	.048	.013	.097	.047	.013	.092	.046	.013	.088	.044	.013	.084	.043	.012		
10.0	.096	.046	.013	.094	.045	.013	.089	.044	.012	.085	.042	.012	.082	.041	.012		

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	.166	.161	.151	.143	.110	.104	.099	.063	.060	.057	.020	.019	.019	
2.0	.171	.152	.135	.147	.131	.117	.101	.090	.082	.058	.053	.048	.019	.017	.016	
3.0	.157	.133	.113	.135	.114	.098	.093	.079	.069	.053	.046	.040	.017	.015	.013	
4.0	.146	.118	.096	.125	.102	.083	.086	.071	.059	.050	.041	.035	.016	.013	.011	
5.0	.136	.106	.083	.117	.091	.072	.080	.064	.051	.047	.037	.030	.015	.012	.010	
6.0	.128	.096	.073	.110	.083	.064	.076	.058	.045	.044	.034	.027	.014	.011	.009	
7.0	.121	.088	.065	.104	.076	.057	.072	.053	.040	.042	.031	.024	.013	.010	.008	
8.0	.115	.081	.059	.099	.071	.051	.068	.050	.036	.040	.029	.022	.013	.010	.007	
9.0	.109	.076	.054	.094	.066	.047	.065	.046	.033	.038	.027	.020	.012	.009	.007	
10.0	.105	.071	.049	.090	.062	.043	.063	.044	.031	.037	.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: EM050-EF52RA01-8W						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	3H	6.8	7.5	7.0	7.7	7.9	8.9	9.6	9.2	9.8	10.0
	4H	6.6	7.3	6.9	7.6	7.8	8.8	9.4	9.0	9.7	9.9
	6H	6.6	7.3	6.9	7.5	7.8	8.7	9.3	9.0	9.6	9.8
	8H	6.6	7.2	6.9	7.5	7.8	8.6	9.2	9.0	9.5	9.8
	12H	6.6	7.2	7.0	7.5	7.8	8.6	9.2	9.0	9.5	9.8
	4H	6.7	7.2	7.0	7.5	7.8	8.6	9.2	9.0	9.5	9.8
4H	2H	6.5	7.2	6.8	7.4	7.7	8.7	9.3	9.0	9.6	9.8
	3H	6.4	7.0	6.8	7.3	7.6	8.5	9.1	8.8	9.4	9.7
	4H	6.4	6.9	6.8	7.2	7.6	8.4	8.9	8.8	9.3	9.6
	6H	6.4	6.9	6.8	7.2	7.6	8.4	8.8	8.8	9.2	9.6
	8H	6.5	6.9	6.9	7.3	7.7	8.4	8.8	8.8	9.2	9.6
	12H	6.6	7.0	7.0	7.4	7.8	8.4	8.8	8.9	9.2	9.7
8H	4H	6.3	6.7	6.7	7.1	7.5	8.3	8.7	8.7	9.1	9.5
	6H	6.4	6.7	6.8	7.1	7.6	8.3	8.6	8.7	9.1	9.5
	8H	6.5	6.8	7.0	7.2	7.7	8.3	8.6	8.8	9.1	9.6
	12H	6.7	6.9	7.2	7.4	7.9	8.4	8.7	8.9	9.2	9.7
12H	4H	6.2	6.6	6.7	7.0	7.5	8.2	8.6	8.7	9.0	9.5
	6H	6.3	6.6	6.8	7.1	7.6	8.2	8.5	8.7	9.0	9.5
	8H	6.5	6.7	7.0	7.2	7.7	8.3	8.5	8.8	9.0	9.6
Variations with the observer position at spacings:											
S = 1.0H	+ 1.1 / - 0.6					+ 0.9 / - 0.5					
1.5H	+ 2.3 / - 0.5					+ 1.8 / - 0.5					
2.0H	+ 0.8 / - 0.4					+ 0.5 / - 0.4					

CIE Pub.117, 459.9 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 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

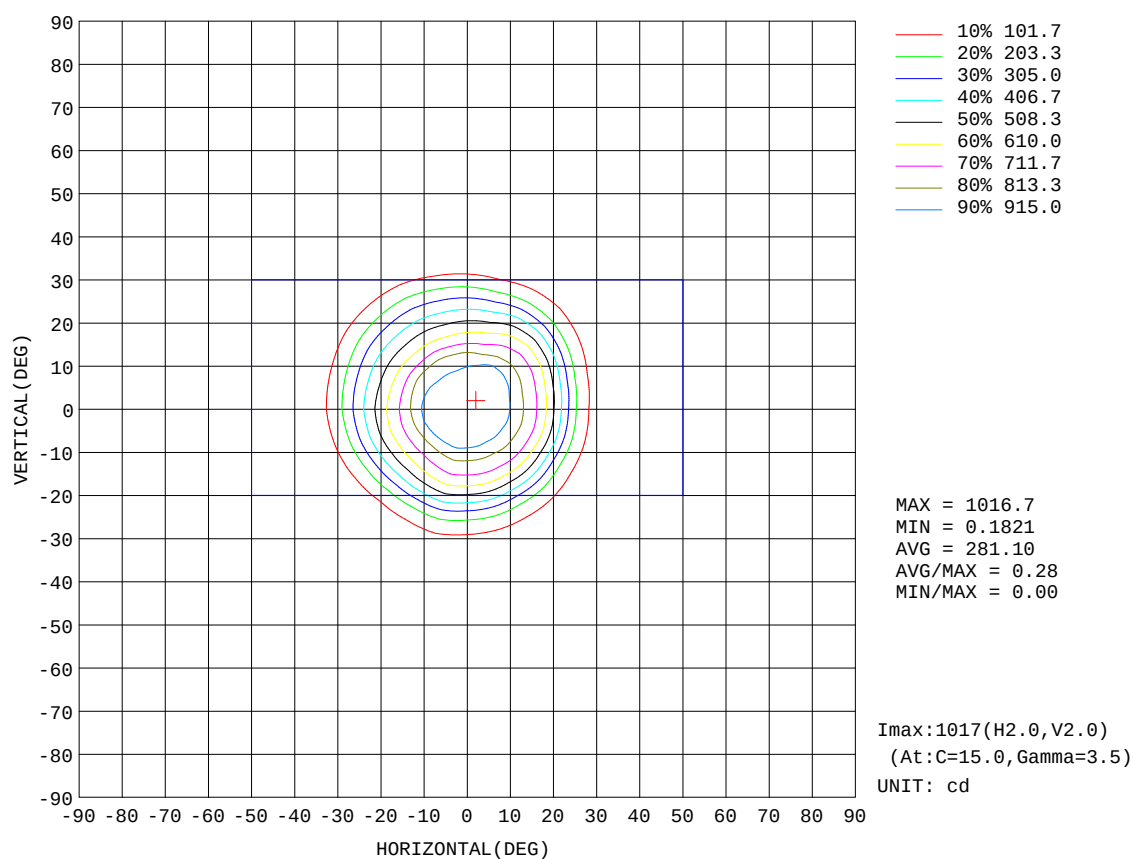
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	90	84	81	89	84	81	88	83	80	77
0.80	97	92	88	96	91	88	95	90	88	84
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 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

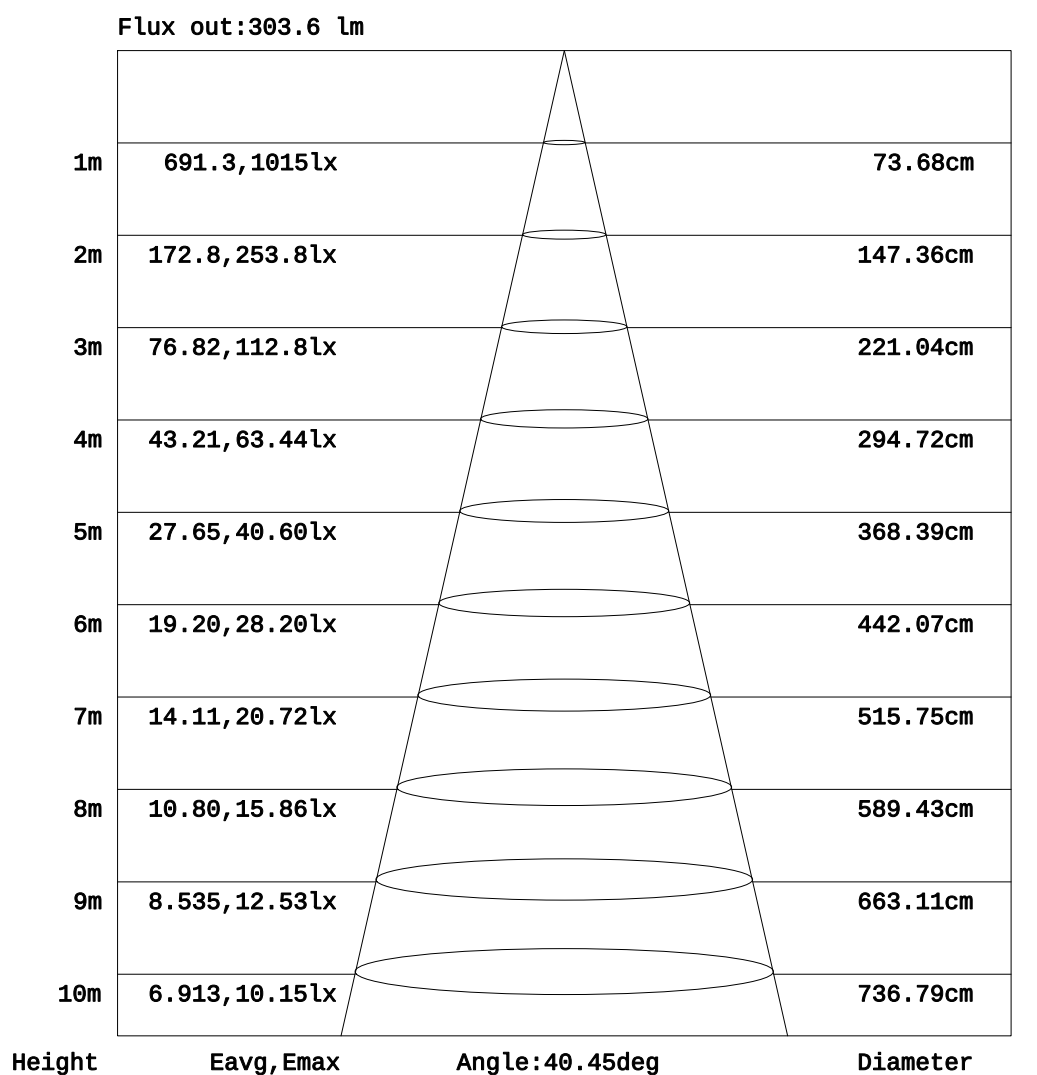


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-8-17

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-VF52RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



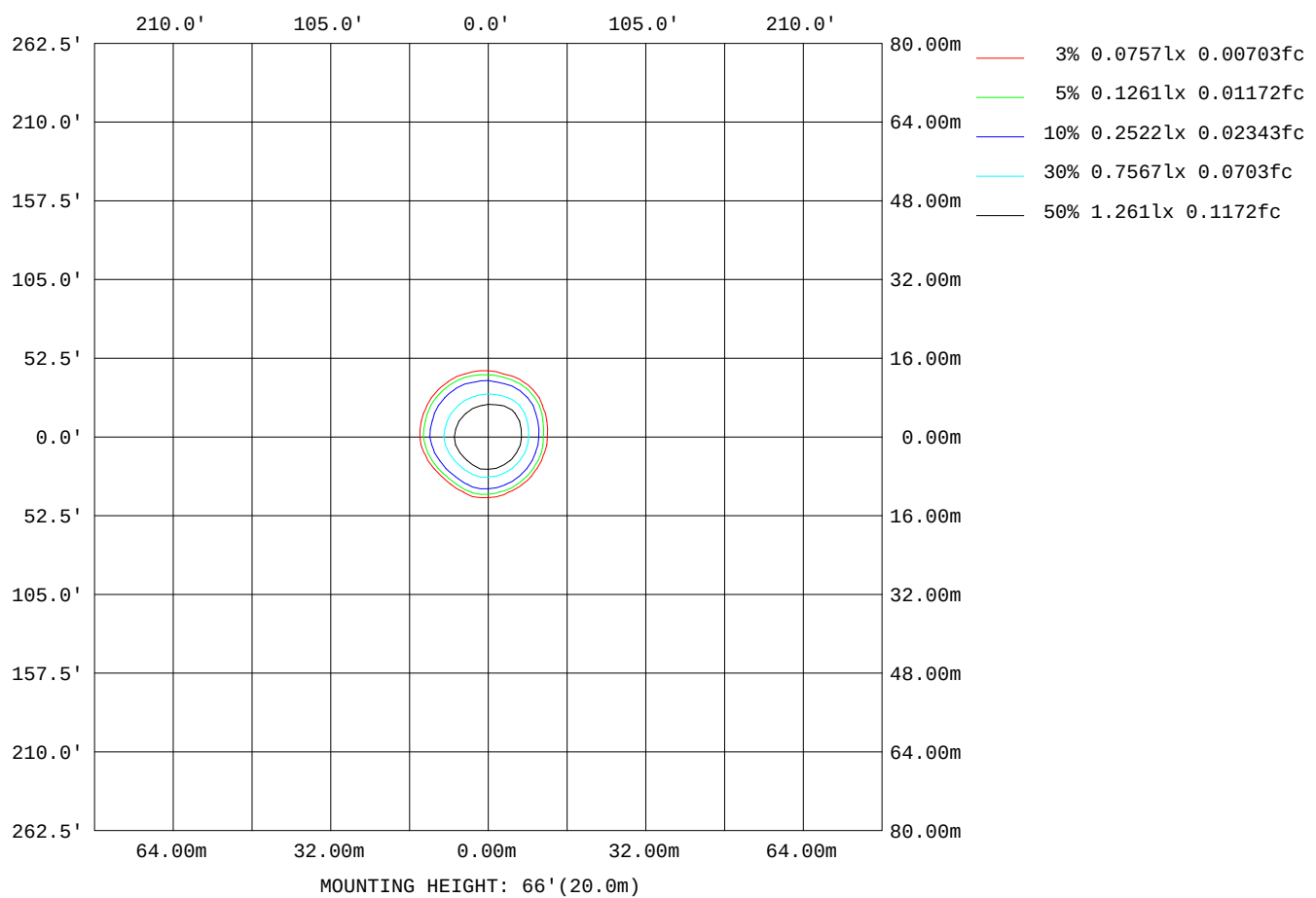
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF52RA01-8W	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-VF52RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

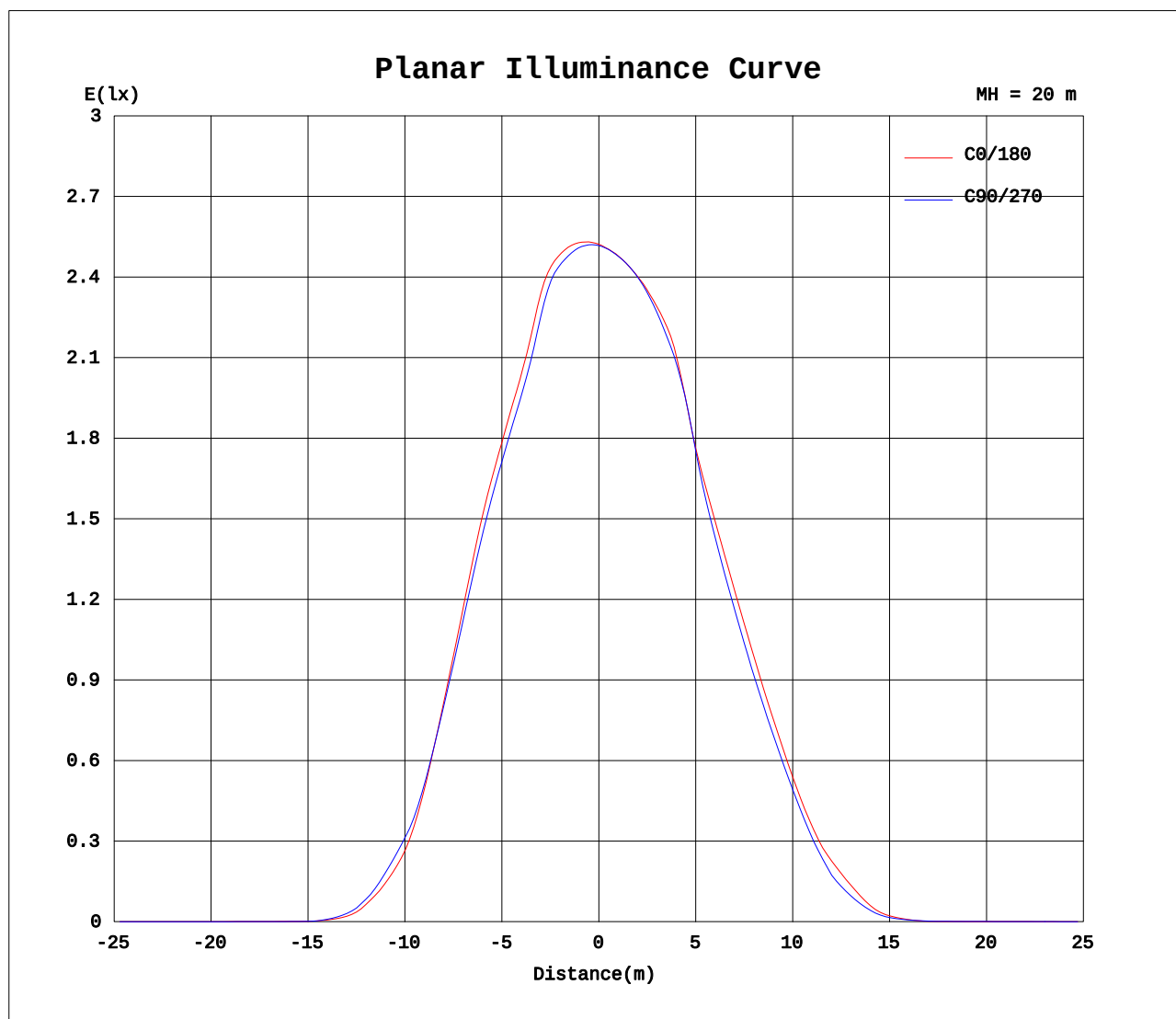
AvgL	cd/m2
L_0~180(65)av	578
L_0~180(75)av	725
L_0~180(85)av	1747
L_90~270(65)av	612
L_90~270(75)av	726
L_90~270(85)av	1790
L_45(65)av	590
L_45(75)av	714
L_45(85)av	1744

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-VF52RA01-8W	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	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009	1009
5	1013	1014	1011	1009	1004	1003	1000	999	992	987	989	991	981	977	975	973	974	976	983
10	910	905	890	884	871	874	874	888	879	884	903	924	927	922	916	905	904	902	913
15	751	752	739	735	721	724	722	729	706	692	707	726	737	733	738	725	727	715	723
20	515	510	489	491	480	494	498	520	496	487	512	547	562	547	544	529	526	518	529
25	218	214	200	210	207	224	233	258	241	249	287	337	367	363	366	355	353	340	338
30	60.2	58.1	53.4	56.7	59.8	68.8	76.2	91.7	77.7	79.4	104	141	170	175	185	178	175	153	145
35	5.15	4.81	3.65	3.95	3.93	5.64	6.85	9.81	7.99	9.30	14.7	27.6	43.9	49.6	55.7	51.9	48.0	36.4	31.2
40	0.91	0.83	0.75	0.73	0.70	0.74	0.77	0.87	1.05	1.29	1.44	1.77	2.37	3.14	4.25	4.02	4.16	3.43	2.96
45	0.51	0.44	0.40	0.38	0.39	0.41	0.45	0.51	0.64	0.81	0.87	0.95	0.98	1.11	1.26	1.32	1.37	1.31	1.25
50	0.29	0.25	0.25	0.23	0.24	0.25	0.28	0.31	0.40	0.50	0.54	0.59	0.60	0.67	0.76	0.80	0.84	0.80	0.77
55	0.19	0.16	0.16	0.15	0.17	0.16	0.18	0.19	0.26	0.31	0.34	0.37	0.38	0.42	0.46	0.50	0.52	0.51	0.48
60	0.15	0.13	0.13	0.11	0.13	0.11	0.14	0.13	0.18	0.21	0.24	0.24	0.24	0.27	0.29	0.31	0.33	0.33	0.31
65	0.14	0.13	0.12	0.10	0.11	0.10	0.12	0.10	0.15	0.16	0.17	0.17	0.17	0.19	0.19	0.22	0.21	0.23	0.21
70	0.13	0.13	0.12	0.10	0.11	0.10	0.11	0.10	0.12	0.13	0.15	0.14	0.13	0.15	0.13	0.17	0.16	0.18	0.16
75	0.13	0.11	0.12	0.10	0.10	0.09	0.10	0.10	0.11	0.11	0.12	0.11	0.10	0.12	0.11	0.14	0.13	0.14	0.13
80	0.12	0.10	0.10	0.10	0.10	0.09	0.10	0.10	0.11	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.10	0.13	0.13
85	0.10	0.09	0.09	0.10	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.11	0.10
90	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.10	0.10
95	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.11	0.11	0.11	0.11	0.10	0.11	0.10	0.10	0.09	0.10
100	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.11	0.11	0.11	0.12	0.12	0.10	0.11	0.10	0.09	0.10
105	0.09	0.11	0.10	0.11	0.10	0.12	0.10	0.12	0.10	0.11	0.11	0.12	0.12	0.11	0.11	0.10	0.11	0.09	0.10
110	0.14	0.16	0.15	0.17	0.15	0.16	0.14	0.15	0.15	0.15	0.14	0.15	0.14	0.13	0.13	0.10	0.11	0.10	0.12
115	0.31	0.33	0.33	0.33	0.32	0.31	0.30	0.28	0.31	0.30	0.26	0.22	0.21	0.21	0.19	0.17	0.19	0.18	0.21
120	0.66	0.65	0.67	0.65	0.66	0.61	0.61	0.57	0.66	0.61	0.57	0.47	0.43	0.44	0.40	0.39	0.39	0.42	0.43
125	1.17	1.16	1.18	1.15	1.15	1.09	1.10	1.05	1.20	1.14	1.08	0.94	0.87	0.88	0.80	0.80	0.80	0.86	0.88
130	1.88	1.88	1.90	1.86	1.87	1.80	1.81	1.76	1.95	1.87	1.77	1.61	1.52	1.52	1.42	1.44	1.43	1.53	1.52
135	2.76	2.76	2.79	2.75	2.74	2.68	2.69	2.63	2.87	2.81	2.64	2.45	2.32	2.30	2.26	2.34	2.29	2.34	2.36
140	3.73	3.74	3.77	3.73	3.77	3.70	3.68	3.64	3.89	3.77	3.65	3.42	3.29	3.28	3.25	3.27	3.30	3.44	3.34
145	4.71	4.72	4.75	4.73	4.76	4.71	4.71	4.65	4.87	4.77	4.83	4.68	4.42	4.55	4.40	4.30	4.29	4.36	4.38
150	5.55	5.56	5.61	5.59	5.63	5.60	5.61	5.55	5.74	5.63	5.52	5.35	5.26	5.26	5.23	5.27	5.28	5.35	5.36
155	6.11	6.13	6.18	6.20	6.22	6.28	6.24	6.20	6.32	6.21	6.12	6.00	5.94	5.96	5.95	6.01	6.06	6.09	6.10
160	6.28	6.31	6.36	6.43	6.46	6.55	6.53	6.48	6.50	6.50	6.37	6.68	7.33	6.35	6.31	6.97	6.44	6.45	6.55
165	6.12	6.13	6.14	6.24	6.32	6.37	6.39	6.38	6.34	6.32	6.27	6.44	6.63	6.29	6.28	6.34	6.37	6.43	6.43
170	5.84	5.84	5.85	5.89	5.94	6.00	6.02	6.01	5.97	5.98	6.05	6.09	5.94	5.99	6.04	6.03	6.03	6.05	6.07
175	5.67	5.68	5.70	5.75	5.77	5.75	5.74	5.76	5.82	5.91	5.95	5.94	5.77	5.82	5.87	5.91	5.86	5.85	5.83
180	5.77	5.77	5.79	5.84	5.80	5.79	5.81	5.81	5.91	5.97	5.94	5.90	5.77	5.77	5.78	5.84	5.80	5.78	5.81

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

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1009	1009	1009	1009	1009														
5	991	1003	1010	1011	1007														
10	928	960	964	947	915														
15	731	774	795	782	757														
20	540	592	615	592	540														
25	333	363	362	315	249														
30	126	142	136	108	74.8														
35	23.8	25.5	21.2	13.6	7.44														
40	2.13	1.78	1.32	1.10	0.94														
45	1.08	0.88	0.66	0.60	0.53														
50	0.66	0.52	0.39	0.33	0.31														
55	0.42	0.32	0.24	0.20	0.19														
60	0.27	0.21	0.18	0.15	0.15														
65	0.21	0.16	0.15	0.13	0.13														
70	0.17	0.13	0.13	0.13	0.13														
75	0.15	0.13	0.12	0.11	0.12														
80	0.13	0.10	0.11	0.09	0.10														
85	0.11	0.09	0.09	0.09	0.09														
90	0.10	0.09	0.09	0.09	0.08														
95	0.10	0.10	0.09	0.09	0.08														
100	0.10	0.10	0.09	0.09	0.08														
105	0.10	0.10	0.10	0.10	0.09														
110	0.11	0.13	0.12	0.13	0.13														
115	0.21	0.22	0.20	0.24	0.29														
120	0.47	0.47	0.45	0.51	0.60														
125	0.91	0.90	0.88	0.97	1.09														
130	1.57	1.55	1.51	1.63	1.79														
135	2.42	2.38	2.33	2.46	2.66														
140	3.40	3.35	3.27	3.42	3.63														
145	4.42	4.38	4.28	4.42	4.61														
150	5.40	5.33	5.23	5.33	5.48														
155	6.11	6.04	5.94	6.00	6.08														
160	6.51	6.39	6.33	6.33	6.35														
165	6.41	6.37	6.33	6.29	6.30														
170	6.06	6.07	6.08	6.06	6.04														
175	5.87	5.92	5.98	5.91	5.86														
180	5.81	5.85	5.97	5.94	5.90														

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

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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
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