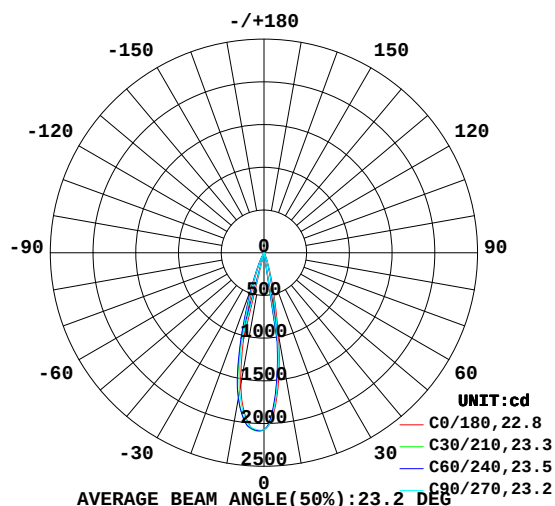


LUMINAIRE PHOTOMETRIC TEST REPORT

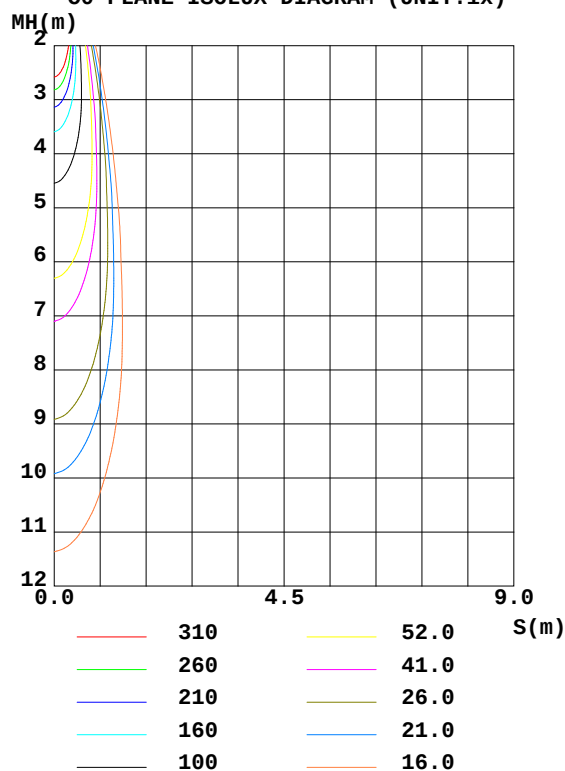
NAME: VM050-VF52RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K C180 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 46.08 lm/W			
MODEL	BXRE-30G0800-E-73	Imax(cd)	2089	S/MH(C0/180)	0.42
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	374.36	η UP, DN(C0-180)	1.3, 37.6
NOMINAL FLUX(lm)	374.363	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 59.9
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:

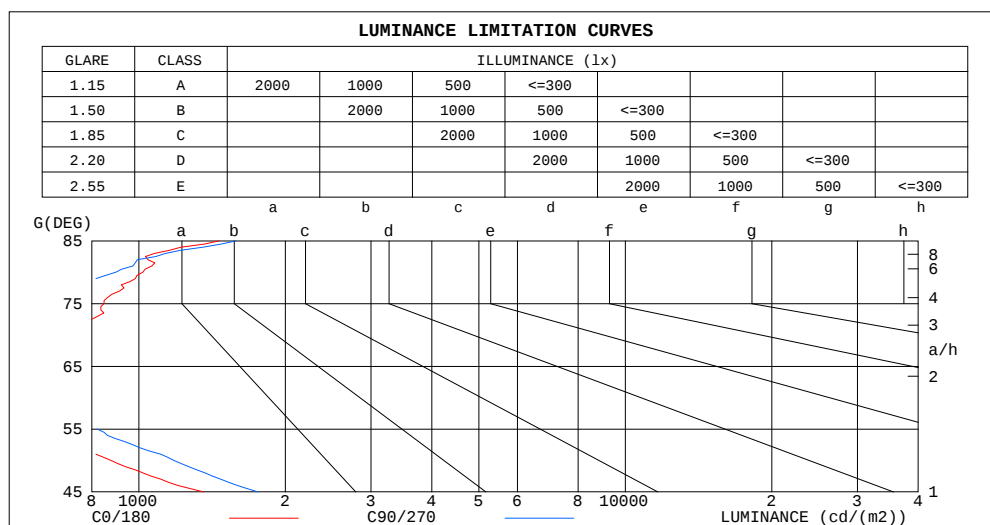
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	959.3	819.4	864.5	1203	1570	1721	1645	1287	0- 10	157.7	157.7	42.1, 42.1
20	124.6	99.70	106.5	173.8	310.9	406.8	357.0	199.9	10- 20	167.2	324.9	86.8, 86.8
30	5.205	4.866	5.293	8.624	16.46	24.49	19.92	8.874	20- 30	36.41	361.3	96.5, 96.5
40	1.057	1.100	1.267	1.609	1.783	1.821	1.592	1.212	30- 40	2.362	363.6	97.1, 97.1
50	0.3521	0.3836	0.4731	0.6071	0.6207	0.5655	0.5249	0.3981	40- 50	0.6741	364.3	97.3, 97.3
60	0.1616	0.1698	0.2032	0.2296	0.2143	0.2120	0.1962	0.1702	50- 60	0.2772	364.6	97.4, 97.4
70	0.1504	0.1412	0.1281	0.1061	0.0973	0.1125	0.1016	0.1326	60- 70	0.1479	364.7	97.4, 97.4
80	0.1107	0.0926	0.0972	0.0884	0.0730	0.0794	0.0838	0.0951	70- 80	0.1112	364.9	97.5, 97.5
90	0.0752	0.0883	0.0817	0.0929	0.0863	0.0750	0.0773	0.0685	80- 90	0.0895	364.9	97.5, 97.5
100	0.0752	0.0839	0.0905	0.1016	0.1173	0.0926	0.0949	0.0840	90-100	0.0953	365.0	97.5, 97.5
110	0.0774	0.0883	0.0950	0.1016	0.1239	0.0993	0.1038	0.0928	100-110	0.1021	365.1	97.5, 97.5
120	0.1833	0.2408	0.2248	0.1593	0.1682	0.1080	0.1370	0.1390	110-120	0.1173	365.3	97.6, 97.6
130	1.119	1.355	1.259	0.8654	0.6407	0.5022	0.5445	0.8252	120-130	0.3858	365.6	97.7, 97.7
140	3.441	3.767	3.641	3.005	2.503	2.229	2.342	2.939	130-140	1.409	367.1	98, 98
150	5.593	5.714	5.701	5.336	4.953	4.712	4.837	5.291	140-150	2.639	369.7	98.8, 98.8
160	5.808	5.666	6.081	6.054	8.827	7.146	6.305	6.030	150-160	2.693	372.4	99.5, 99.5
170	4.046	3.677	4.077	4.601	5.066	5.224	5.150	4.651	160-170	1.595	374.0	99.9, 99.9
180	3.230	3.385	3.425	3.485	3.232	3.381	3.423	3.487	170-180	0.3814	374.4	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 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



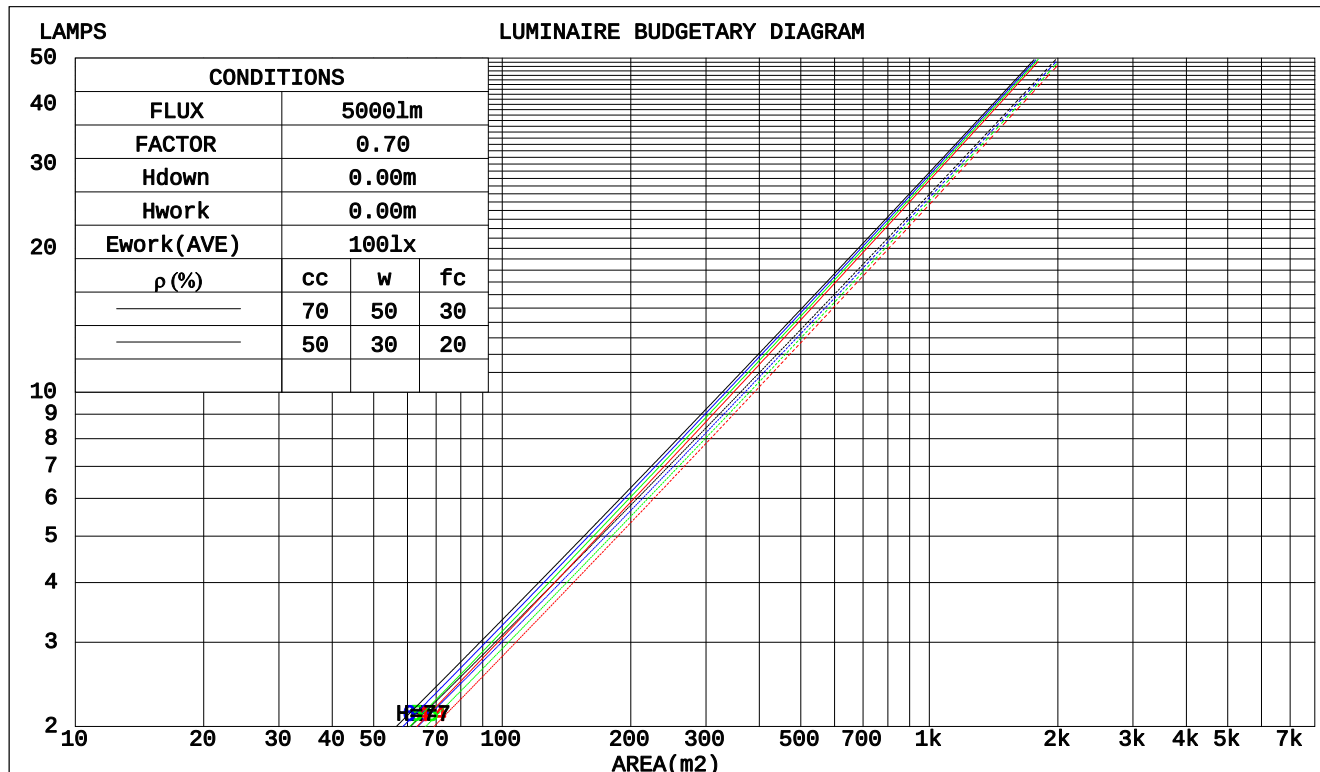
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-17

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-VF52RA01-8W	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	1.11	1.09	1.10	1.09	1.07	1.06	1.05	1.04	1.02	1.01	1.00	.98	.97	.97	.95
2.0	1.08	1.05	1.03	1.06	1.03	1.01	1.02	1.00	.99	.99	.98	.96	.96	.95	.94	.92
3.0	1.04	1.00	.98	1.02	.99	.97	.99	.97	.95	.97	.95	.93	.94	.93	.91	.90
4.0	1.00	.96	.94	.99	.96	.93	.97	.94	.92	.94	.92	.90	.93	.91	.89	.88
5.0	.97	.93	.90	.96	.92	.90	.94	.91	.89	.92	.90	.88	.91	.89	.87	.86
6.0	.94	.90	.87	.93	.90	.87	.92	.89	.86	.90	.88	.86	.89	.87	.85	.84
7.0	.91	.88	.85	.91	.87	.85	.89	.86	.84	.88	.86	.84	.87	.85	.83	.82
8.0	.89	.85	.83	.88	.85	.82	.87	.84	.82	.86	.84	.82	.85	.83	.81	.80
9.0	.87	.83	.81	.86	.83	.80	.85	.82	.80	.85	.82	.80	.84	.81	.79	.79
10.0	.85	.81	.79	.84	.81	.79	.84	.80	.78	.83	.80	.78	.82	.80	.78	.77



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-VF52RA01-8W	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	.130	.074	.023	.123	.070	.022	.109	.063	.020	.097	.056	.018	.085	.049	.016		
2.0	.119	.065	.020	.113	.062	.019	.102	.057	.018	.091	.051	.016	.082	.046	.015		
3.0	.110	.059	.018	.105	.056	.017	.096	.052	.016	.087	.048	.015	.078	.043	.013		
4.0	.103	.053	.016	.099	.052	.015	.090	.048	.014	.083	.044	.013	.076	.041	.013		
5.0	.096	.049	.014	.093	.048	.014	.086	.045	.013	.079	.042	.012	.073	.039	.012		
6.0	.091	.046	.013	.088	.044	.013	.081	.042	.012	.076	.039	.012	.070	.037	.011		
7.0	.086	.042	.012	.083	.041	.012	.078	.039	.011	.073	.037	.011	.068	.035	.010		
8.0	.082	.040	.011	.079	.039	.011	.074	.037	.011	.070	.035	.010	.066	.034	.010		
9.0	.078	.038	.011	.076	.037	.010	.071	.035	.010	.067	.034	.010	.064	.032	.009		
10.0	.074	.036	.010	.072	.035	.010	.069	.034	.009	.065	.032	.009	.062	.031	.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	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.187	.177	.168	.160	.152	.144	.110	.105	.100	.063	.060	.058	.020	.019	.019		
2.0	.169	.152	.138	.145	.131	.120	.099	.091	.083	.057	.053	.049	.018	.017	.016		
3.0	.153	.133	.116	.131	.115	.101	.090	.080	.071	.052	.046	.042	.017	.015	.014		
4.0	.140	.117	.100	.120	.101	.087	.083	.071	.061	.048	.041	.036	.015	.013	.012		
5.0	.130	.105	.087	.111	.091	.076	.077	.063	.053	.044	.037	.032	.014	.012	.010		
6.0	.120	.095	.077	.104	.082	.067	.071	.058	.047	.041	.034	.028	.013	.011	.009		
7.0	.113	.087	.068	.097	.075	.060	.067	.053	.042	.039	.031	.025	.013	.010	.008		
8.0	.106	.080	.062	.091	.069	.054	.063	.049	.038	.037	.029	.023	.012	.009	.008		
9.0	.100	.074	.056	.086	.064	.049	.060	.045	.035	.035	.027	.021	.011	.009	.007		
10.0	.095	.069	.052	.082	.060	.045	.057	.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-VF52RA01-8W						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						-0.8	-0.2	-0.6	-0.0	0.1	
3H						-0.2	0.4	0.1	0.6	0.8	
4H						0.4	0.9	0.7	1.1	1.4	
6H						1.0	1.5	1.3	1.8	2.0	
8H						1.3	1.8	1.7	2.1	2.4	
12H						1.7	2.2	2.1	2.5	2.8	
4H 2H						-0.7	-0.2	-0.4	0.0	0.3	
3H						0.2	0.7	0.6	1.0	1.3	
4H						1.0	1.4	1.4	1.7	2.1	
6H						1.8	2.2	2.2	2.5	2.9	
8H						2.2	2.6	2.7	3.0	3.4	
12H						2.8	3.1	3.2	3.5	3.9	
8H 4H						1.2	1.6	1.7	2.0	2.4	
6H						2.3	2.6	2.8	3.0	3.5	
8H						2.8	3.1	3.3	3.6	4.1	
12H						3.6	3.8	4.1	4.3	4.8	
12H 4H						1.3	1.6	1.7	2.0	2.4	
6H						2.4	2.6	2.9	3.1	3.6	
8H						3.0	3.2	3.5	3.7	4.2	
Variations with the observer position at spacings:											
S = 1.0H						+ 0.7 / - 0.6			+ 0.9 / - 0.8		
1.5H						+ 1.3 / - 0.5			+ 1.7 / - 0.8		
2.0H						+ 0.9 / - 0.3			+ 1.5 / - 0.7		

CIE Pub.117, 374.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.4)

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 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

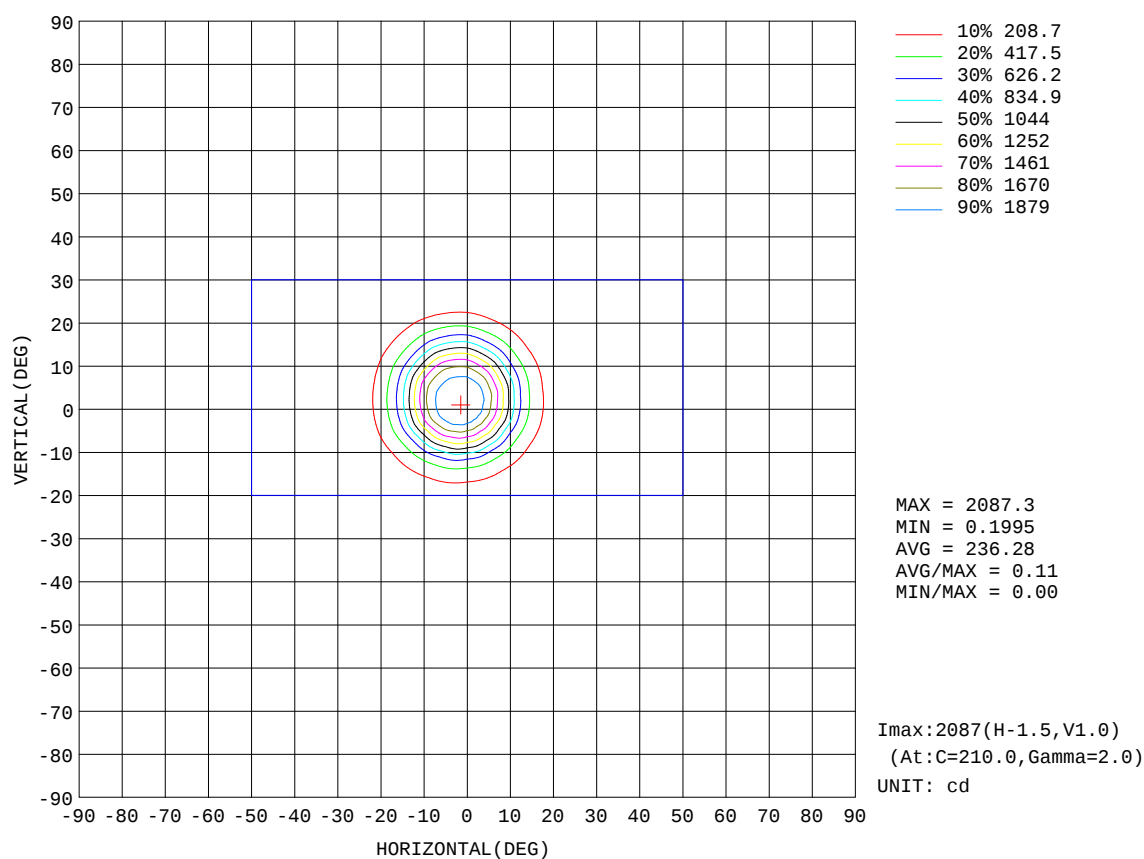
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	89	84	81	88	83	80	77
0.80	97	92	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	90
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	107	104	101	104	101	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-VF52RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

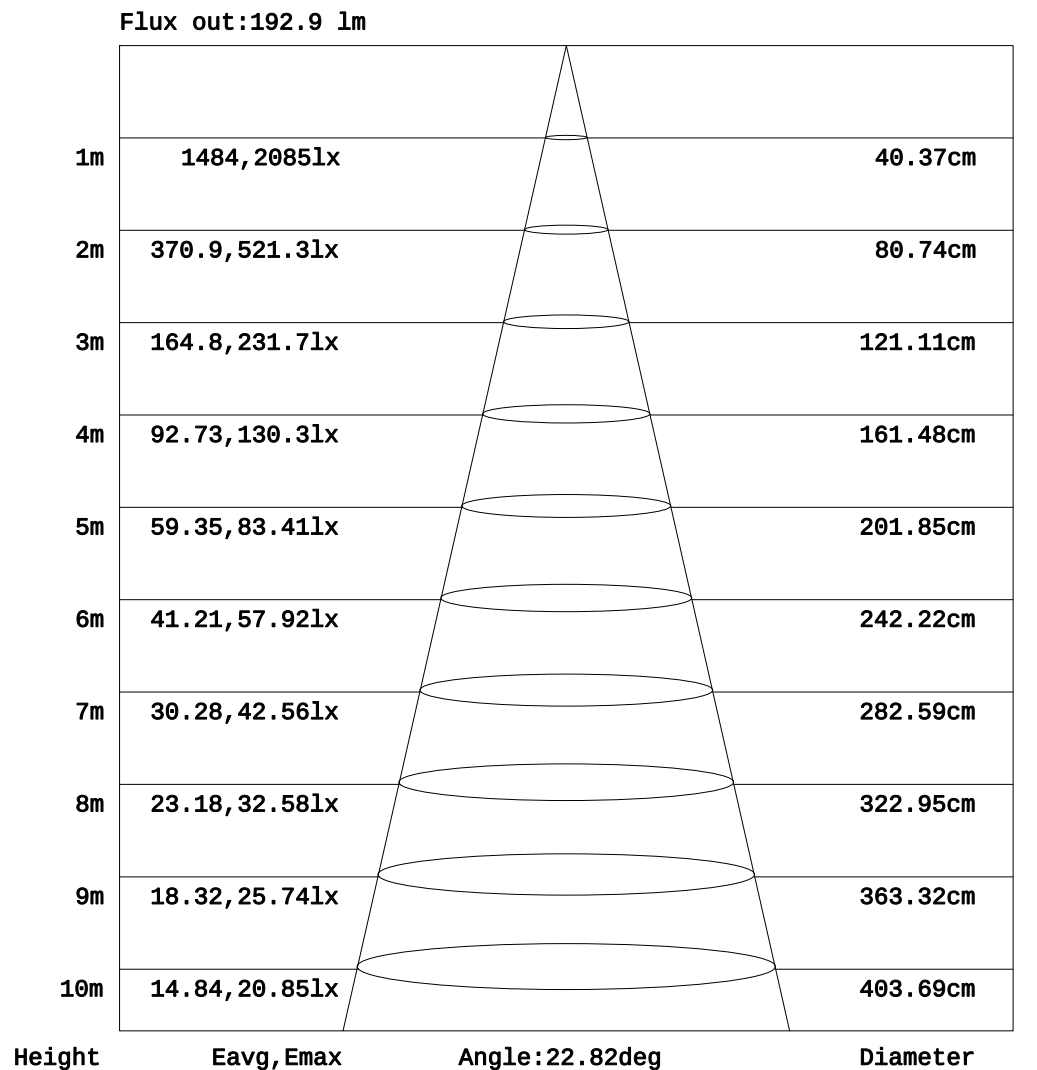


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-17

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-VF52RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



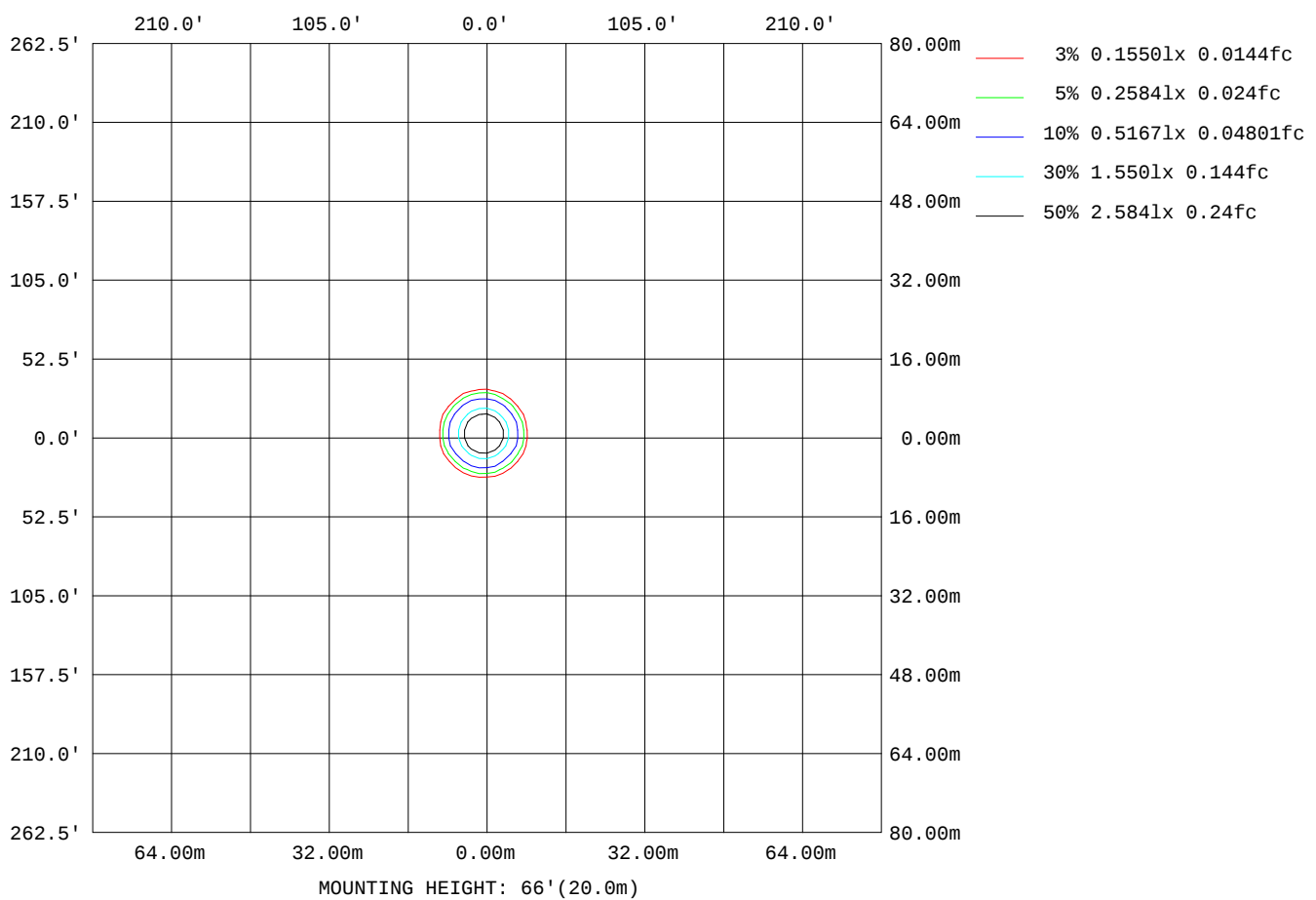
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF52RA01-8W	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-VF52RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

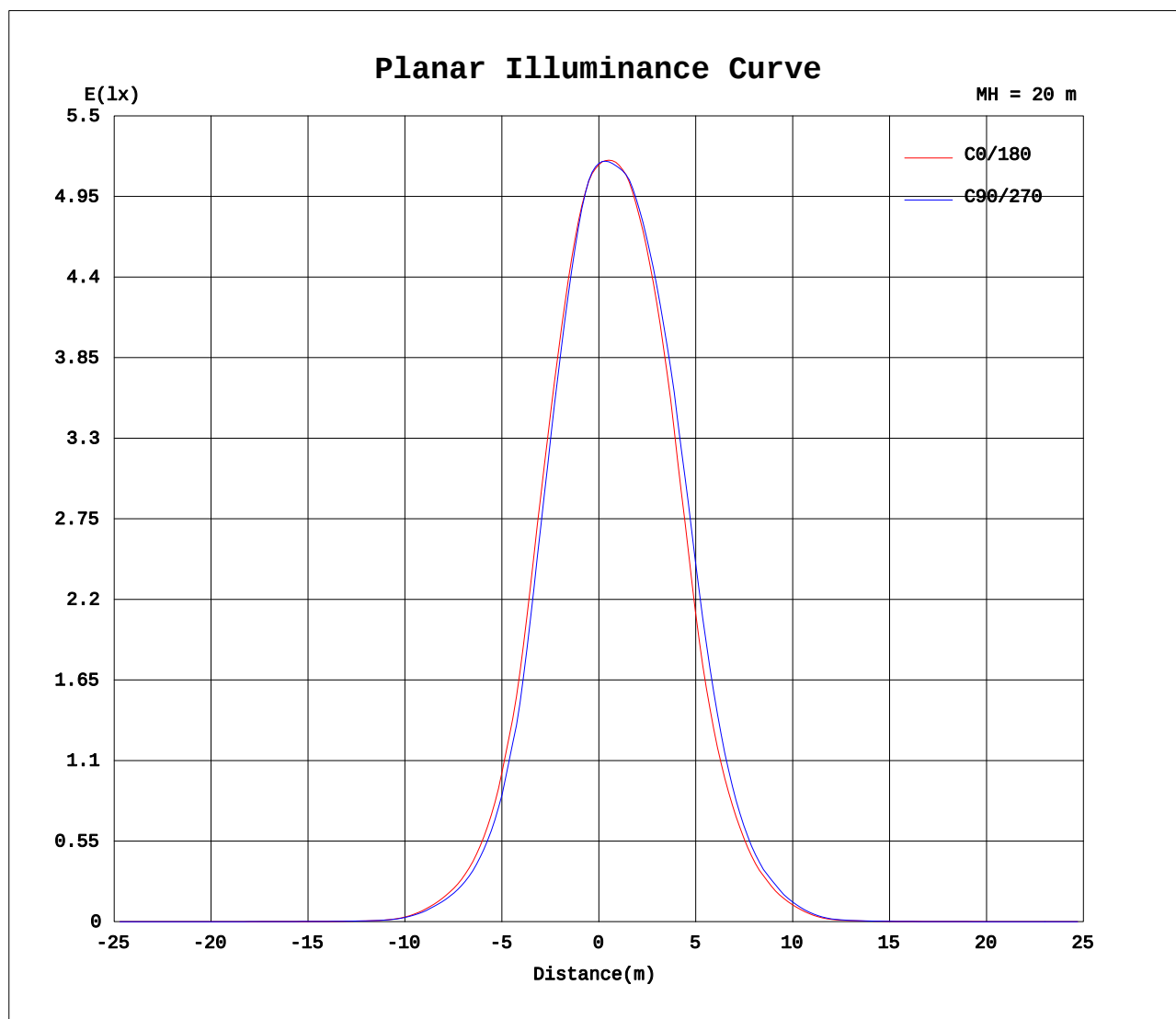
AvgL	cd/m2
L_0~180(65)av	545
L_0~180(75)av	657
L_0~180(85)av	1424
L_90~270(65)av	544
L_90~270(75)av	629
L_90~270(85)av	1462
L_45(65)av	557
L_45(75)av	663
L_45(85)av	1471

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 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	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070
5	1709	1679	1624	1627	1605	1645	1662	1736	1782	1872	1926	1996	2017	2036	2053	2045	2045	2034	2025
10	959	904	822	819	790	842	864	971	1046	1203	1316	1491	1570	1645	1721	1721	1732	1683	1645
15	362	330	294	289	279	296	309	357	402	488	565	701	780	867	986	1008	1043	977	922
20	125	114	101	99.7	96.2	102	106	126	139	174	208	270	311	349	398	407	423	387	357
25	33.6	30.2	25.8	26.0	24.5	27.5	29.3	36.2	41.7	54.6	65.5	86.1	98.8	113	137	137	144	126	118
30	5.21	4.93	4.67	4.87	4.86	5.21	5.29	6.12	6.86	8.62	10.2	14.2	16.5	18.9	24.2	24.5	26.6	22.5	19.9
35	1.92	1.90	1.87	1.97	2.02	2.13	2.16	2.33	2.51	2.91	3.23	3.73	3.75	3.91	4.28	4.45	4.69	4.34	4.15
40	1.06	1.05	1.04	1.10	1.16	1.23	1.27	1.37	1.47	1.61	1.69	1.78	1.78	1.79	1.85	1.82	1.81	1.67	1.59
45	0.60	0.60	0.60	0.64	0.68	0.74	0.78	0.87	0.93	1.02	1.05	1.10	1.09	1.08	1.08	1.04	1.03	0.96	0.92
50	0.35	0.34	0.36	0.38	0.42	0.44	0.47	0.52	0.56	0.61	0.61	0.64	0.62	0.60	0.59	0.57	0.56	0.54	0.52
55	0.22	0.21	0.23	0.23	0.26	0.27	0.29	0.31	0.34	0.37	0.38	0.38	0.37	0.36	0.35	0.34	0.34	0.34	0.32
60	0.16	0.16	0.17	0.17	0.19	0.18	0.20	0.20	0.22	0.23	0.24	0.23	0.21	0.22	0.20	0.21	0.20	0.21	0.20
65	0.15	0.14	0.16	0.14	0.16	0.14	0.15	0.14	0.16	0.15	0.17	0.15	0.14	0.15	0.13	0.15	0.13	0.15	0.13
70	0.15	0.15	0.15	0.14	0.15	0.12	0.13	0.11	0.12	0.11	0.13	0.11	0.10	0.11	0.10	0.11	0.09	0.11	0.10
75	0.14	0.12	0.14	0.12	0.12	0.10	0.11	0.09	0.10	0.10	0.11	0.10	0.08	0.09	0.08	0.09	0.08	0.10	0.09
80	0.11	0.09	0.11	0.09	0.10	0.08	0.10	0.09	0.10	0.09	0.10	0.10	0.07	0.08	0.07	0.08	0.07	0.09	0.08
85	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.08	0.09	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07	0.08	0.07
90	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.10	0.09	0.10	0.09	0.08	0.08	0.08	0.07	0.08
95	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.08	0.10	0.08	0.09	0.09
100	0.08	0.09	0.09	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.12	0.10	0.10	0.09	0.10	0.08	0.09
105	0.08	0.09	0.09	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.12	0.10	0.12	0.10	0.11	0.10	0.10
110	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.12	0.11	0.13	0.10	0.11	0.10	0.10
115	0.09	0.11	0.10	0.12	0.10	0.12	0.10	0.12	0.10	0.11	0.12	0.12	0.13	0.12	0.15	0.10	0.11	0.10	0.11
120	0.18	0.22	0.23	0.24	0.24	0.24	0.22	0.21	0.17	0.16	0.17	0.17	0.17	0.16	0.18	0.11	0.13	0.13	0.14
125	0.48	0.53	0.60	0.60	0.62	0.57	0.56	0.48	0.44	0.35	0.34	0.30	0.29	0.27	0.26	0.19	0.22	0.23	0.24
130	1.12	1.21	1.36	1.35	1.39	1.31	1.26	1.13	1.02	0.87	0.78	0.66	0.64	0.60	0.53	0.50	0.50	0.54	0.54
135	2.17	2.30	2.47	2.48	2.52	2.42	2.35	2.17	2.04	1.85	1.64	1.42	1.36	1.27	1.18	1.22	1.16	1.22	1.25
140	3.44	3.58	3.75	3.77	3.82	3.73	3.64	3.45	3.28	3.01	2.88	2.59	2.50	2.40	2.29	2.23	2.21	2.37	2.34
145	4.68	4.80	4.94	4.95	5.00	4.93	4.86	4.69	4.53	4.29	4.37	4.49	4.22	4.02	3.66	3.48	3.45	3.54	3.62
150	5.59	5.65	5.73	5.71	5.75	5.73	5.70	5.59	5.49	5.34	5.22	5.02	4.95	4.85	4.74	4.71	4.69	4.77	4.84
155	5.99	5.97	5.98	5.95	6.00	6.13	6.12	6.02	6.00	5.92	5.86	5.78	5.77	5.70	5.63	5.62	5.64	5.66	5.71
160	5.81	5.72	5.64	5.67	5.69	5.94	6.08	5.94	6.00	6.05	6.02	7.07	8.83	6.81	6.07	7.15	6.11	6.10	6.30
165	5.09	4.92	4.79	4.85	4.93	5.05	5.16	5.35	5.47	5.59	5.61	5.95	6.80	5.96	5.94	5.95	5.98	5.99	5.99
170	4.05	3.84	3.70	3.68	3.75	3.89	4.08	4.31	4.45	4.60	4.76	4.96	5.07	5.16	5.25	5.22	5.24	5.20	5.15
175	3.12	3.03	2.98	3.03	3.08	3.13	3.25	3.43	3.59	3.79	3.93	4.05	4.00	4.12	4.26	4.31	4.30	4.24	4.17
180	3.23	3.25	3.30	3.38	3.36	3.37	3.43	3.42	3.43	3.48	3.46	3.45	3.23	3.25	3.30	3.38	3.36	3.37	3.42

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 15D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	2070	2070	2070	2070	2070														
5	1987	1956	1888	1837	1754														
10	1537	1438	1287	1181	1032														
15	791	702	575	495	409														
20	294	252	200	170	138														
25	93.0	79.3	61.5	50.7	38.2														
30	15.0	12.3	8.87	7.35	5.73														
35	3.57	3.15	2.55	2.23	1.95														
40	1.45	1.35	1.21	1.13	1.06														
45	0.83	0.78	0.70	0.66	0.61														
50	0.48	0.44	0.40	0.36	0.35														
55	0.30	0.26	0.24	0.22	0.22														
60	0.19	0.17	0.17	0.15	0.16														
65	0.15	0.13	0.15	0.14	0.14														
70	0.13	0.11	0.13	0.13	0.14														
75	0.11	0.10	0.12	0.11	0.12														
80	0.09	0.09	0.10	0.09	0.10														
85	0.08	0.07	0.07	0.07	0.07														
90	0.07	0.08	0.07	0.08	0.07														
95	0.07	0.09	0.07	0.09	0.08														
100	0.08	0.09	0.08	0.09	0.09														
105	0.09	0.09	0.09	0.09	0.09														
110	0.09	0.10	0.09	0.09	0.09														
115	0.10	0.10	0.10	0.10	0.10														
120	0.12	0.14	0.14	0.17	0.19														
125	0.24	0.28	0.33	0.39	0.47														
130	0.62	0.69	0.83	0.94	1.11														
135	1.39	1.52	1.73	1.90	2.14														
140	2.53	2.68	2.94	3.12	3.40														
145	3.81	3.97	4.21	4.40	4.64														
150	5.00	5.10	5.29	5.40	5.57														
155	5.79	5.83	5.90	5.94	5.99														
160	6.29	6.10	6.03	5.95	5.89														
165	5.90	5.78	5.58	5.41	5.28														
170	4.99	4.87	4.65	4.52	4.34														
175	4.07	3.98	3.85	3.69	3.52														
180	3.42	3.42	3.49	3.46	3.45														

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: