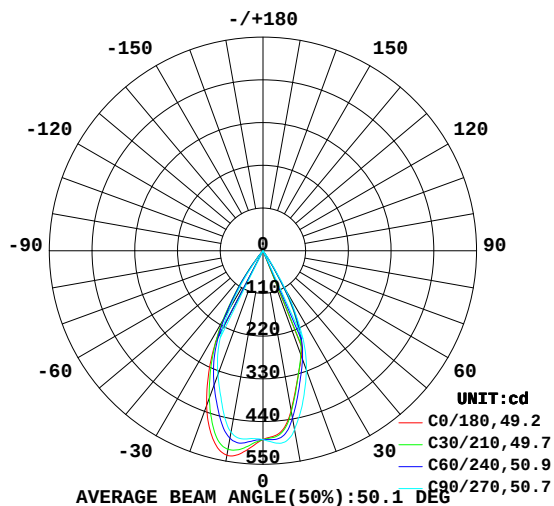


LUMINAIRE PHOTOMETRIC TEST REPORT

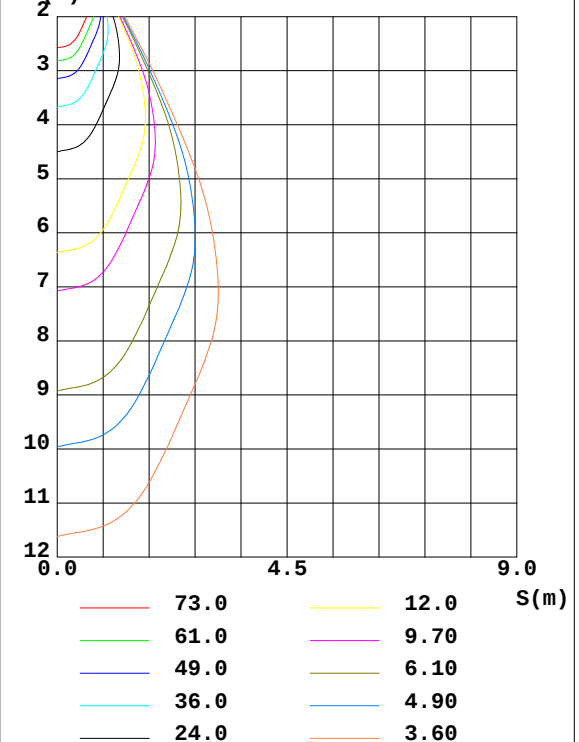
NAME: VM050-VF52RA01-5W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 50D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.22 lm/W			
MODEL	BXRE-30G0600-A-73	Imax(cd)	538.9	S/MH(C0/180)	0.83
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.80
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	318.89	η UP, DN(C0-180)	1.2, 46.5
NOMINAL FLUX(lm)	318.891	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 51.1
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	97.6	CIBSE SHR MAX	0.80

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:

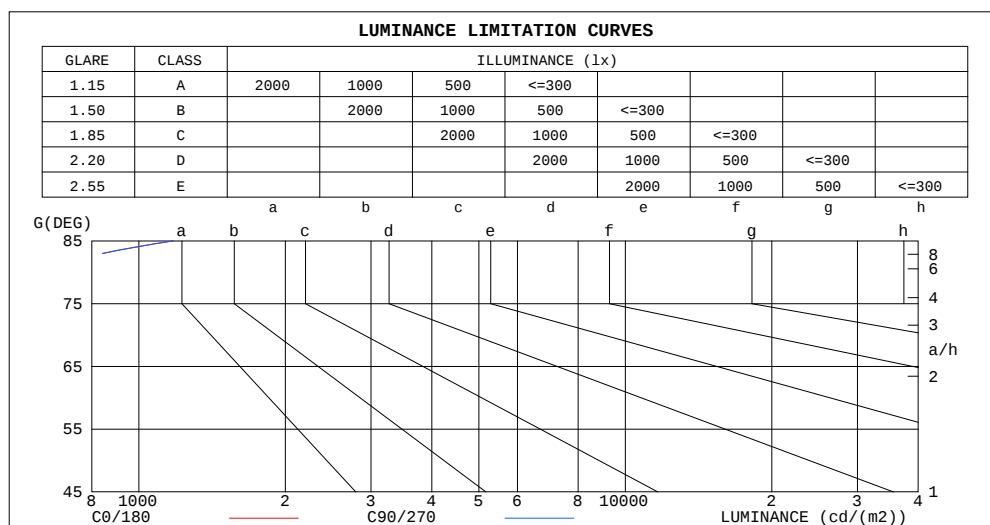
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	417.7	428.5	467.8	532.5	534.6	505.7	474.2	441.8	0- 10	46.61	46.61	14.6,14.6
20	288.3	291.9	327.0	406.4	424.6	384.5	339.6	296.2	10- 20	115.3	161.9	50.8,50.8
30	104.2	100.1	122.1	170.1	201.0	199.9	170.9	124.2	20- 30	115.9	277.7	87.1,87.1
40	0.3872	0.3349	0.4186	3.100	10.31	12.14	5.522	0.6245	30- 40	32.45	310.2	97.3,97.3
50	0.1460	0.1102	0.1591	0.1966	0.2669	0.3269	0.2668	0.2037	40- 50	0.5941	310.8	97.5,97.5
60	0.0862	0.0662	0.0840	0.0906	0.1081	0.1391	0.1081	0.1018	50- 60	0.1271	310.9	97.5,97.5
70	0.0796	0.0640	0.0707	0.0663	0.0641	0.0816	0.0663	0.0796	60- 70	0.0813	311.0	97.5,97.5
80	0.0663	0.0640	0.0663	0.0663	0.0619	0.0684	0.0640	0.0707	70- 80	0.0727	311.1	97.5,97.5
90	0.0663	0.0684	0.0640	0.0686	0.0597	0.0640	0.0597	0.0575	80- 90	0.0706	311.1	97.6,97.6
100	0.0663	0.0662	0.0640	0.0686	0.0619	0.0574	0.0619	0.0575	90-100	0.0685	311.2	97.6,97.6
110	0.1499	0.1767	0.1302	0.1129	0.0952	0.0683	0.0996	0.1258	100-110	0.0815	311.3	97.6,97.6
120	0.6445	0.6470	0.5557	0.4383	0.3872	0.3593	0.4377	0.5611	110-120	0.2736	311.6	97.7,97.7
130	1.585	1.535	1.357	1.140	1.029	1.021	1.185	1.448	120-130	0.7680	312.3	97.9,97.9
140	2.743	2.691	2.465	2.177	2.030	2.064	2.289	2.595	130-140	1.399	313.7	98.4,98.4
150	3.674	3.674	3.535	3.292	3.148	3.207	3.422	3.609	140-150	1.831	315.6	99,99
160	3.987	4.073	4.156	4.105	4.203	4.053	4.104	4.034	150-160	1.752	317.3	99.5,99.5
170	4.022	4.146	4.273	4.312	4.235	4.225	4.216	4.096	160-170	1.172	318.5	99.9,99.9
180	4.281	4.338	4.326	4.376	4.294	4.353	4.335	4.381	170-180	0.4052	318.9	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-VF52RA01-5W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 50D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1177	1177
80	611	611
75	465	437
70	372	331
65	310	293
60	276	269
55	296	309
50	364	397
45	501	551

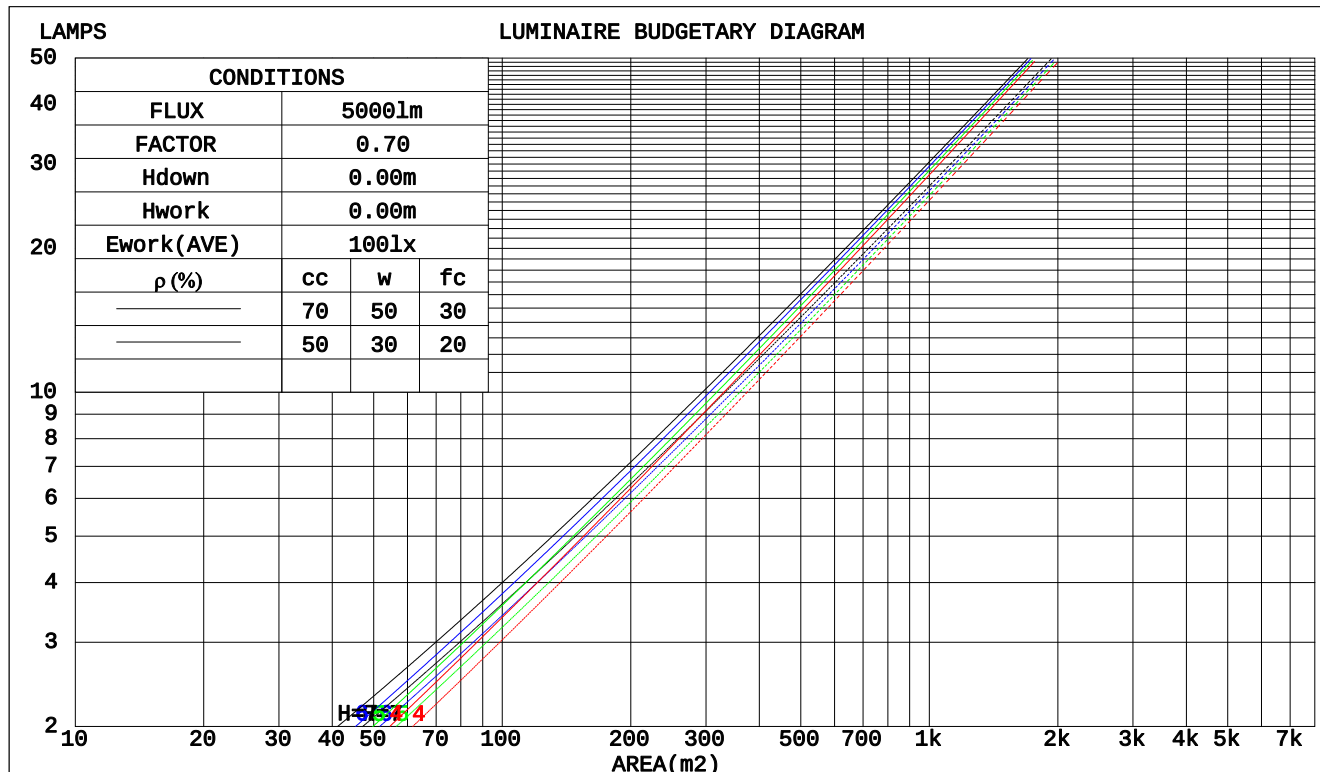
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-17

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 50D	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	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.96	.95	.95	.93														
2.0	1.04	1.01	.98	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.89	.88														
3.0	.98	.94	.91	.97	.93	.90	.94	.91	.88	.91	.89	.86	.89	.87	.85	.83														
4.0	.93	.88	.84	.92	.87	.84	.89	.86	.83	.87	.84	.81	.85	.82	.80	.79														
5.0	.88	.83	.79	.87	.82	.79	.85	.81	.78	.83	.80	.77	.82	.79	.76	.75														
6.0	.84	.78	.75	.83	.78	.74	.81	.77	.74	.80	.76	.73	.78	.75	.72	.71														
7.0	.80	.74	.71	.79	.74	.70	.77	.73	.70	.76	.72	.69	.75	.71	.69	.67														
8.0	.76	.70	.67	.75	.70	.67	.74	.69	.66	.73	.69	.66	.72	.68	.65	.64														
9.0	.72	.67	.64	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61														
10.0	.69	.64	.60	.68	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.60	.58														



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 50D	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	.162	.092	.029	.154	.088	.028	.140	.080	.026	.127	.074	.024	.116	.067	.022		
2.0	.152	.084	.026	.146	.080	.025	.134	.075	.023	.124	.069	.022	.114	.064	.020		
3.0	.144	.077	.023	.139	.074	.022	.129	.070	.021	.119	.065	.020	.111	.061	.019		
4.0	.137	.071	.021	.132	.069	.020	.123	.065	.020	.115	.062	.019	.108	.059	.018		
5.0	.130	.066	.019	.126	.065	.019	.119	.062	.018	.111	.059	.017	.105	.056	.017		
6.0	.124	.062	.018	.121	.061	.018	.114	.058	.017	.108	.056	.016	.102	.054	.016		
7.0	.119	.059	.017	.116	.058	.016	.110	.055	.016	.104	.053	.016	.099	.051	.015		
8.0	.114	.056	.016	.111	.055	.015	.106	.053	.015	.101	.051	.015	.096	.049	.014		
9.0	.109	.053	.015	.107	.052	.015	.102	.050	.014	.098	.049	.014	.093	.047	.014		
10.0	.105	.050	.014	.103	.050	.014	.099	.048	.014	.094	.047	.013	.091	.046	.013		

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	.189	.176	.165	.161	.151	.142	.110	.104	.098	.064	.060	.057	.020	.019	.018		
2.0	.172	.151	.134	.148	.130	.116	.101	.090	.081	.058	.052	.047	.019	.017	.015		
3.0	.159	.132	.111	.136	.114	.096	.094	.079	.068	.054	.046	.040	.017	.015	.013		
4.0	.148	.117	.094	.127	.101	.082	.087	.071	.058	.051	.041	.034	.016	.013	.011		
5.0	.139	.106	.081	.119	.091	.071	.082	.064	.050	.048	.037	.030	.015	.012	.010		
6.0	.131	.096	.071	.113	.083	.062	.078	.058	.044	.045	.034	.026	.015	.011	.009		
7.0	.124	.088	.063	.107	.077	.055	.074	.054	.039	.043	.032	.023	.014	.010	.008		
8.0	.119	.082	.057	.102	.071	.050	.071	.050	.035	.041	.029	.021	.013	.010	.007		
9.0	.113	.077	.052	.098	.067	.045	.068	.047	.032	.039	.028	.019	.013	.009	.006		
10.0	.109	.072	.048	.094	.063	.042	.065	.044	.030	.038	.026	.018	.012	.009	.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 50D	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	14.1	14.9	14.4	15.1	15.3	16.3	17.1	16.5	17.3	17.5
3H	14.0	14.7	14.2	14.9	15.2	16.1	16.8	16.4	17.1	17.3
4H	13.9	14.6	14.2	14.8	15.1	16.0	16.7	16.3	17.0	17.2
6H	13.8	14.4	14.1	14.7	15.0	15.9	16.6	16.3	16.9	17.2
8H	13.7	14.4	14.1	14.7	15.0	15.9	16.5	16.2	16.8	17.1
12H	13.7	14.3	14.1	14.6	14.9	15.8	16.4	16.2	16.8	17.1
4H 2H	13.9	14.6	14.2	14.8	15.1	16.0	16.7	16.3	17.0	17.2
3H	13.7	14.3	14.0	14.6	14.9	15.8	16.4	16.2	16.7	17.1
4H	13.6	14.1	14.0	14.5	14.8	15.7	16.3	16.1	16.6	17.0
6H	13.5	14.0	13.9	14.4	14.7	15.6	16.1	16.0	16.5	16.9
8H	13.5	13.9	13.9	14.3	14.7	15.6	16.0	16.0	16.4	16.8
12H	13.4	13.8	13.9	14.2	14.7	15.5	16.0	16.0	16.4	16.8
8H 4H	13.4	13.9	13.9	14.3	14.7	15.6	16.0	16.0	16.4	16.8
6H	13.3	13.7	13.8	14.1	14.6	15.5	15.8	15.9	16.3	16.7
8H	13.3	13.6	13.8	14.1	14.6	15.4	15.7	15.9	16.2	16.7
12H	13.3	13.6	13.8	14.0	14.6	15.4	15.7	15.9	16.1	16.7
12H 4H	13.4	13.8	13.8	14.2	14.6	15.5	15.9	16.0	16.3	16.8
6H	13.3	13.6	13.8	14.1	14.6	15.4	15.7	15.9	16.2	16.7
8H	13.3	13.5	13.8	14.0	14.5	15.4	15.6	15.9	16.1	16.6
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 0.8					+ 5.7 / - 3.4				
1.5H	+ 4.5 / - 0.9					+ 8.4 / - 3.6				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 318.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.0)

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 50D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

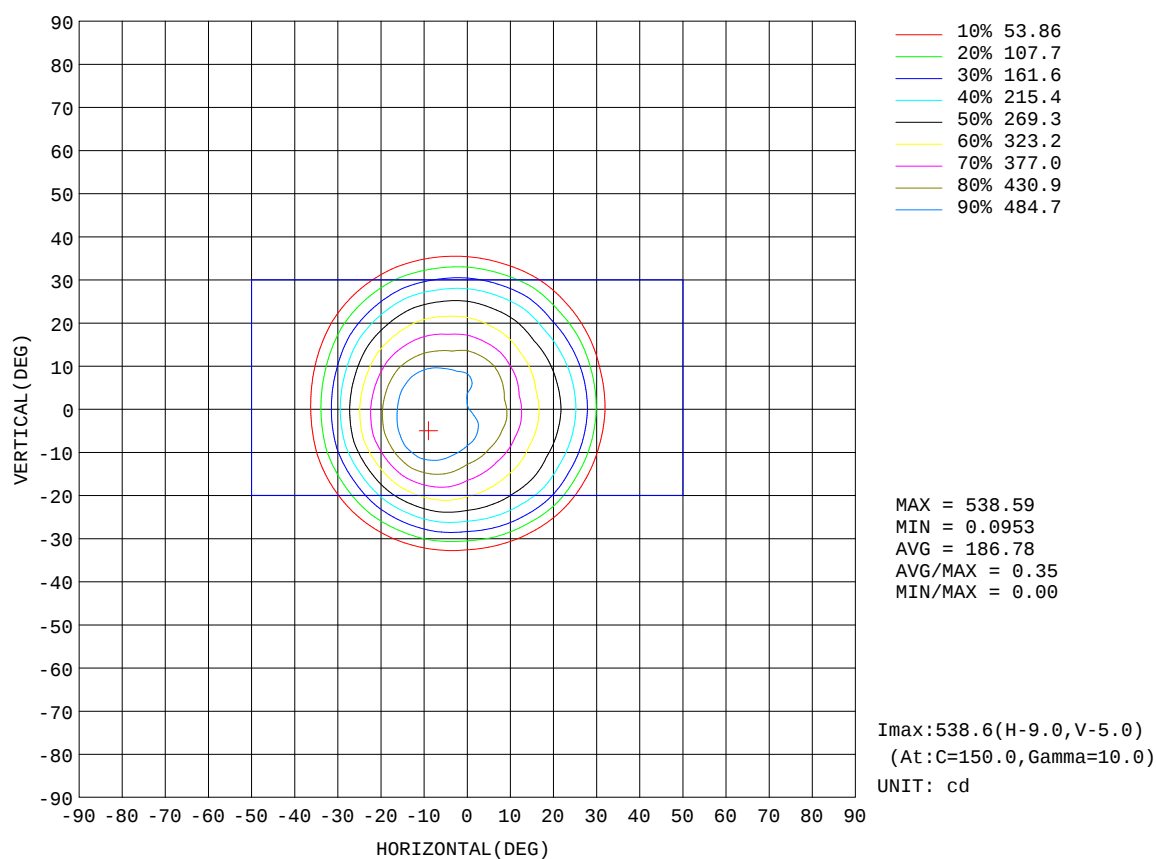
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	90	84	81	89	84	81	88	83	80	77
0.80	97	92	88	96	91	88	95	90	88	84
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	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 50D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

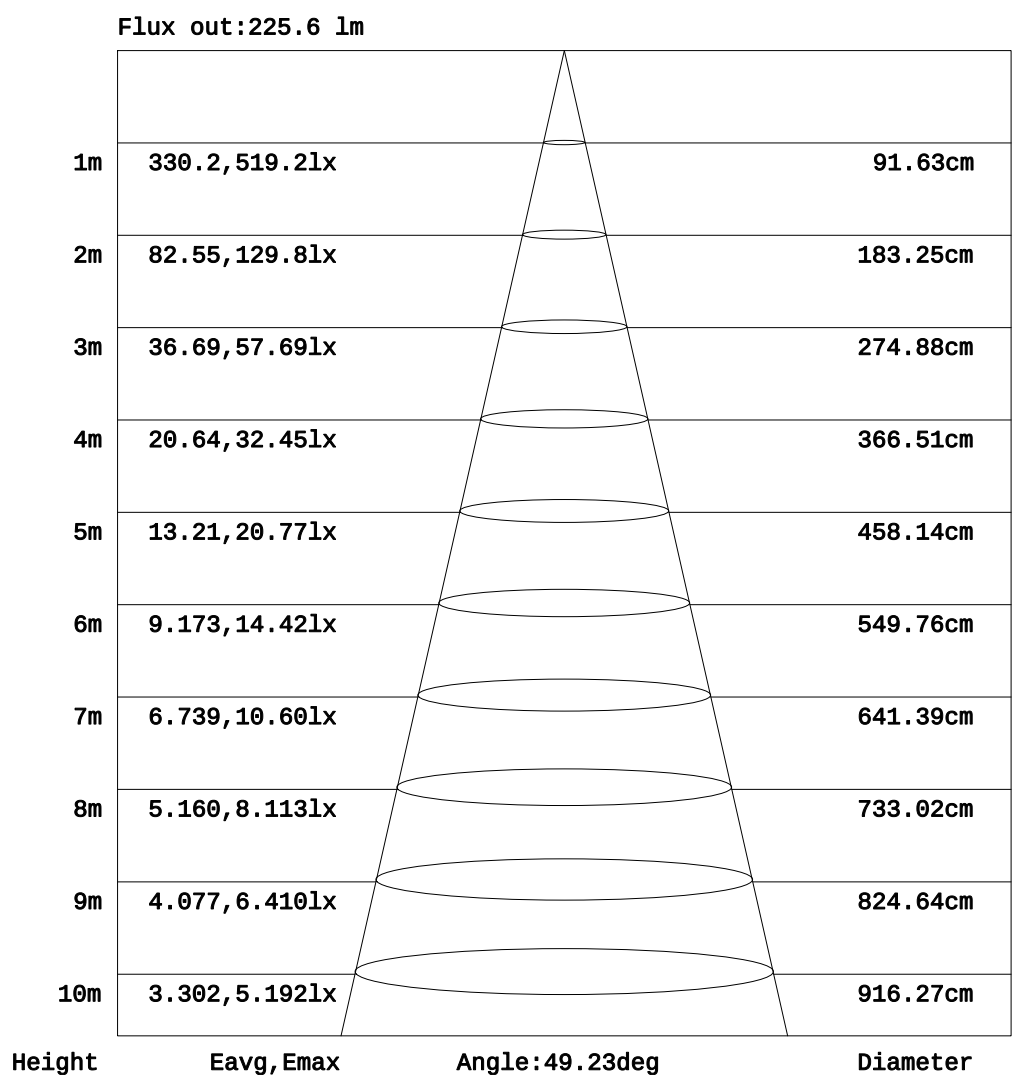


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-8-17

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 50D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:



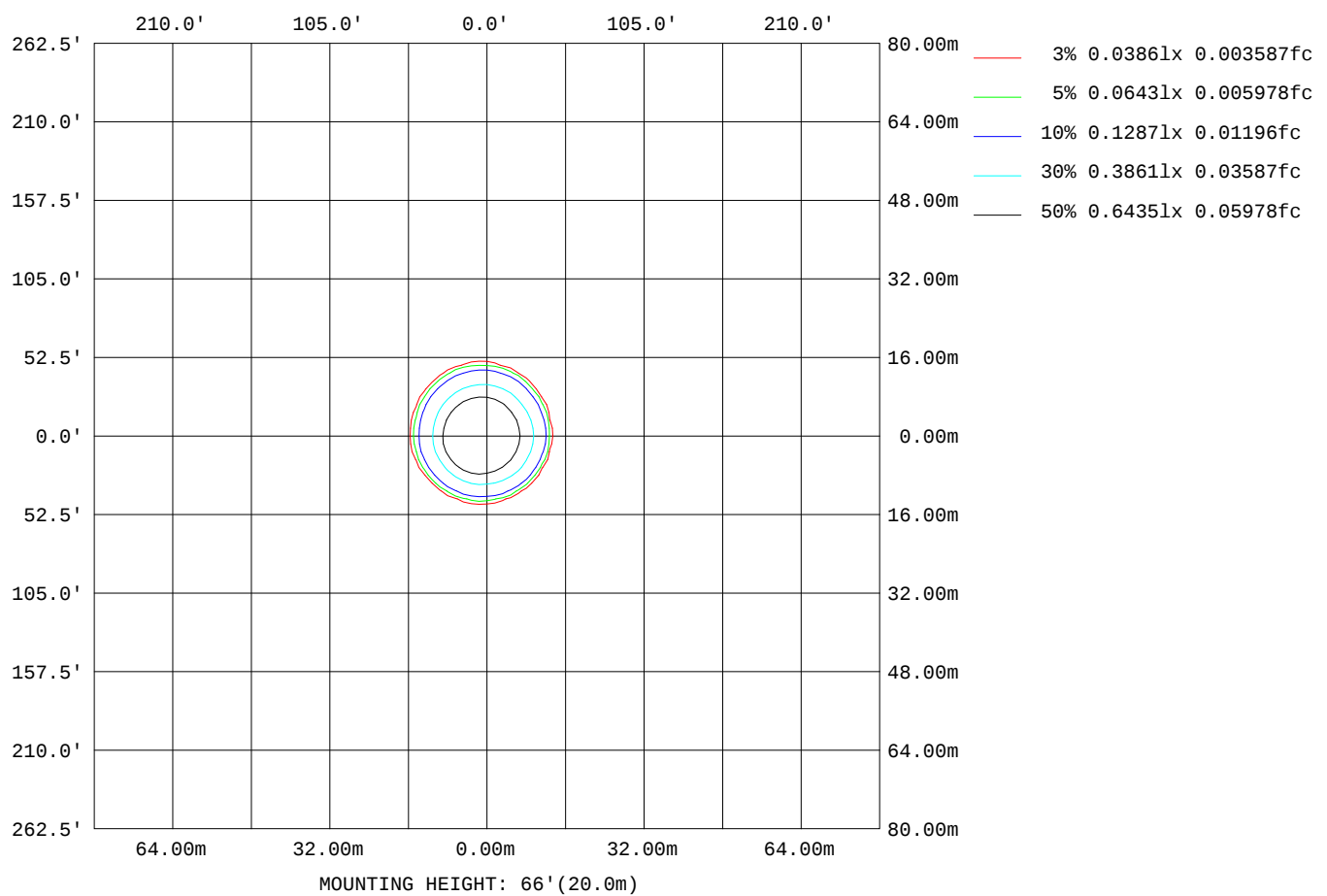
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 50D	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 50D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

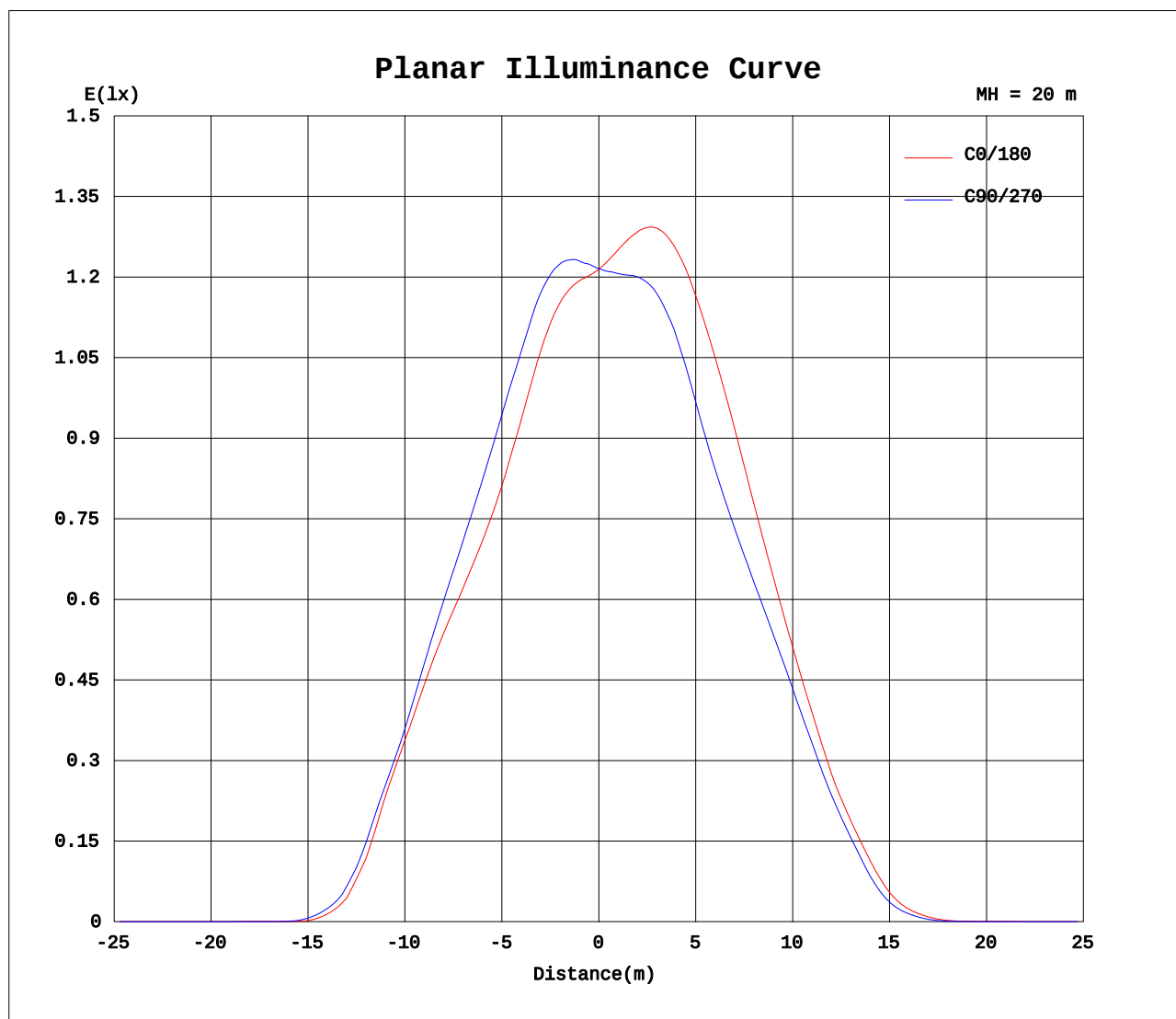
AvgL	cd/m2
L_0~180(65)av	301
L_0~180(75)av	424
L_0~180(85)av	1137
L_90~270(65)av	305
L_90~270(75)av	424
L_90~270(85)av	1157
L_45(65)av	308
L_45(75)av	434
L_45(85)av	1188

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 50D	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	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
5	472	474	476	480	484	491	498	504	511	516	519	518	517	513	507	502	495	491	487
10	418	421	420	429	438	454	468	493	516	532	539	539	535	529	519	506	490	478	474
15	343	344	344	353	362	379	399	434	467	497	509	506	500	496	483	461	436	415	409
20	288	286	285	292	298	311	327	355	379	406	421	430	425	414	405	385	369	351	340
25	219	215	211	219	220	228	237	261	276	295	307	324	322	315	312	301	295	281	270
30	104	97.0	90.9	100	100	113	122	142	156	170	179	198	201	201	206	200	196	182	171
35	10.5	9.40	8.07	9.64	10.6	14.8	18.1	26.2	34.4	49.0	62.4	79.4	82.7	84.9	91.9	88.0	85.5	72.7	61.7
40	0.39	0.34	0.34	0.33	0.36	0.37	0.42	0.61	1.22	3.10	5.36	9.03	10.3	11.3	13.4	12.1	11.3	8.04	5.52
45	0.22	0.19	0.20	0.18	0.21	0.21	0.24	0.25	0.30	0.32	0.38	0.43	0.47	0.52	0.60	0.57	0.55	0.52	0.45
50	0.15	0.11	0.13	0.11	0.14	0.13	0.16	0.15	0.19	0.20	0.24	0.25	0.27	0.30	0.31	0.33	0.30	0.30	0.27
55	0.11	0.08	0.10	0.08	0.10	0.09	0.11	0.10	0.13	0.13	0.16	0.16	0.17	0.19	0.18	0.21	0.19	0.20	0.17
60	0.09	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.10	0.09	0.12	0.10	0.11	0.13	0.12	0.14	0.13	0.14	0.11
65	0.08	0.06	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.10	0.08	0.08	0.10	0.09	0.10	0.09	0.11	0.08
70	0.08	0.06	0.08	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.06	0.08	0.07	0.08	0.06	0.08	0.07
75	0.08	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.07	0.08	0.07	0.06	0.07	0.07	0.08	0.06	0.08	0.07
80	0.07	0.06	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.06	0.07	0.06
85	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.06	0.07	0.06
90	0.07	0.06	0.07	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
95	0.07	0.06	0.07	0.07	0.06	0.07	0.06	0.06	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
100	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
105	0.07	0.09	0.07	0.09	0.07	0.09	0.07	0.08	0.06	0.07	0.06	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.07
110	0.15	0.17	0.16	0.18	0.15	0.16	0.13	0.14	0.10	0.11	0.09	0.10	0.10	0.07	0.09	0.07	0.09	0.09	0.10
115	0.34	0.36	0.35	0.36	0.34	0.33	0.30	0.28	0.24	0.23	0.20	0.19	0.20	0.17	0.19	0.17	0.19	0.19	0.22
120	0.64	0.66	0.66	0.65	0.62	0.60	0.56	0.52	0.47	0.44	0.41	0.39	0.39	0.37	0.37	0.36	0.38	0.40	0.44
125	1.06	1.07	1.07	1.04	1.01	0.96	0.91	0.85	0.79	0.75	0.70	0.67	0.66	0.65	0.65	0.65	0.67	0.71	0.76
130	1.59	1.58	1.58	1.53	1.50	1.43	1.36	1.30	1.21	1.14	1.09	1.04	1.03	1.01	1.02	1.02	1.06	1.12	1.18
135	2.16	2.16	2.15	2.10	2.05	1.97	1.89	1.82	1.72	1.63	1.57	1.52	1.50	1.48	1.48	1.50	1.55	1.64	1.71
140	2.74	2.74	2.74	2.69	2.64	2.56	2.47	2.37	2.27	2.18	2.11	2.05	2.03	2.02	2.02	2.06	2.11	2.20	2.29
145	3.27	3.28	3.26	3.24	3.19	3.11	3.03	2.94	2.85	2.75	2.73	2.63	2.60	2.60	2.62	2.65	2.71	2.79	2.88
150	3.67	3.69	3.68	3.67	3.64	3.60	3.53	3.46	3.37	3.29	3.22	3.17	3.15	3.14	3.16	3.21	3.28	3.35	3.42
155	3.92	3.94	3.95	3.95	3.95	3.96	3.92	3.88	3.80	3.74	3.68	3.63	3.65	3.60	3.64	3.68	3.73	3.78	3.85
160	3.99	4.00	4.05	4.07	4.09	4.15	4.16	4.13	4.10	4.10	4.01	4.06	4.20	4.02	3.97	4.05	4.06	4.07	4.10
165	3.99	4.01	4.04	4.12	4.17	4.21	4.23	4.26	4.21	4.25	4.17	4.19	4.20	4.12	4.12	4.13	4.16	4.20	4.20
170	4.02	4.05	4.09	4.15	4.19	4.24	4.27	4.29	4.28	4.31	4.31	4.32	4.23	4.24	4.27	4.23	4.23	4.20	4.22
175	4.11	4.14	4.16	4.22	4.24	4.27	4.27	4.31	4.32	4.38	4.38	4.35	4.31	4.32	4.35	4.34	4.33	4.28	4.27
180	4.28	4.30	4.30	4.34	4.34	4.32	4.33	4.33	4.33	4.38	4.35	4.32	4.29	4.30	4.31	4.35	4.34	4.32	4.34

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 50D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	486	486	486	486	486													
5	484	480	477	474	472													
10	466	456	442	427	415													
15	394	381	364	352	342													
20	324	312	296	292	288													
25	254	243	224	219	219													
30	156	146	124	117	108													
35	46.1	35.3	23.3	18.4	11.8													
40	2.59	1.44	0.62	0.48	0.42													
45	0.41	0.35	0.33	0.26	0.24													
50	0.25	0.21	0.20	0.16	0.15													
55	0.17	0.13	0.14	0.10	0.11													
60	0.12	0.09	0.10	0.07	0.09													
65	0.10	0.07	0.09	0.06	0.08													
70	0.08	0.06	0.08	0.06	0.08													
75	0.08	0.06	0.08	0.06	0.07													
80	0.07	0.06	0.07	0.06	0.06													
85	0.07	0.06	0.06	0.06	0.06													
90	0.06	0.06	0.06	0.06	0.06													
95	0.06	0.06	0.06	0.06	0.06													
100	0.06	0.06	0.06	0.06	0.06													
105	0.06	0.07	0.06	0.08	0.06													
110	0.09	0.12	0.13	0.15	0.15													
115	0.23	0.27	0.28	0.32	0.34													
120	0.47	0.52	0.56	0.61	0.64													
125	0.81	0.88	0.96	1.01	1.05													
130	1.27	1.36	1.45	1.51	1.58													
135	1.82	1.90	2.01	2.08	2.16													
140	2.40	2.49	2.60	2.66	2.74													
145	2.99	3.07	3.15	3.21	3.27													
150	3.50	3.56	3.61	3.65	3.67													
155	3.88	3.90	3.91	3.93	3.93													
160	4.09	4.09	4.03	4.03	4.03													
165	4.16	4.13	4.05	4.02	4.03													
170	4.17	4.16	4.10	4.09	4.07													
175	4.25	4.28	4.24	4.20	4.15													
180	4.32	4.34	4.38	4.34	4.31													

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: