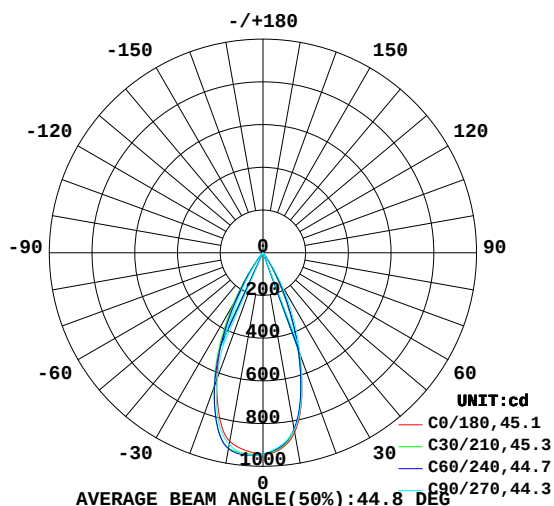


LUMINAIRE PHOTOMETRIC TEST REPORT

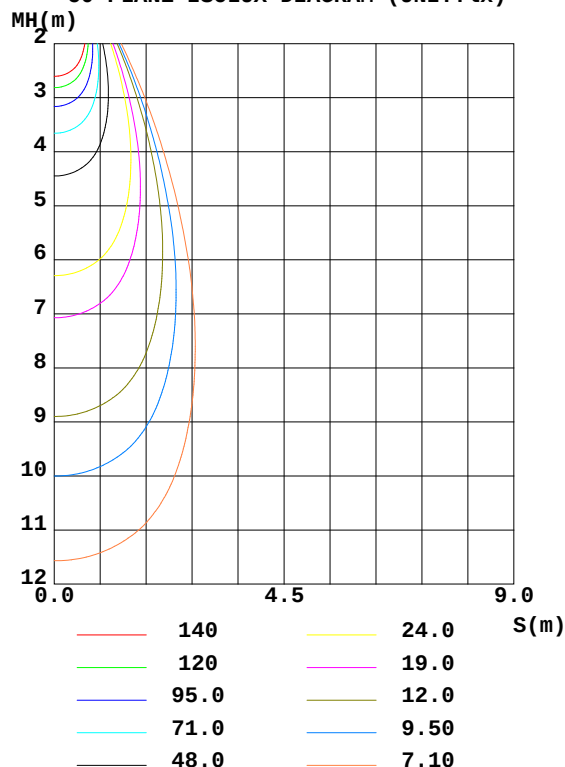
NAME: VM050-VF51RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIRC 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 63.76 lm/W
MODEL	VM050-VF51RA01-8W	Imax(cd)	950.6	S/MH(C0/180)	0.76	
NOMINAL POWER(W)	8	LOR(%)	105.4	S/MH(C90/270)	0.71	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	519.76	η UP, DN(C0-180)	1.3, 48.7	
NOMINAL FLUX(lm)	493.343	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 54.1	
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	η down(%)	102.8	CIBSE SHR MAX	0.70	

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: 2021-8-16

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:

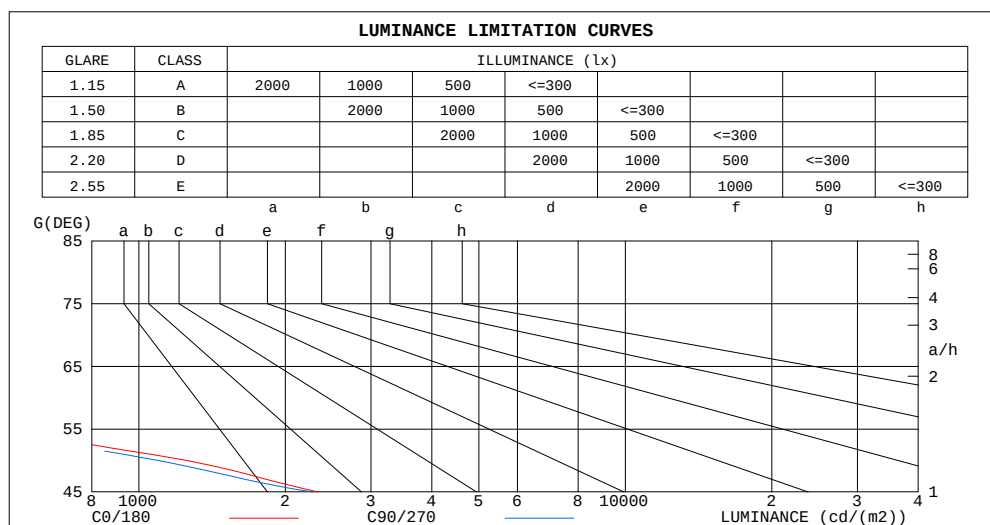
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	854.1	841.9	842.7	849.4	896.4	931.6	910.7	868.0	0- 10	86.90	86.90	16.7,17.6
20	489.1	483.6	511.0	563.4	633.0	664.4	626.1	533.2	10- 20	204.4	291.3	56.1,59.1
30	113.8	132.9	177.8	239.6	274.2	254.0	194.1	130.9	20- 30	165.3	456.6	87.8,92.6
40	6.599	7.931	12.83	24.61	26.26	17.56	12.08	7.433	30- 40	46.60	503.2	96.8,102
50	1.107	1.027	0.9756	0.9963	1.059	1.163	1.356	1.224	40- 50	3.274	506.5	97.4,103
60	0.0880	0.0793	0.0907	0.0995	0.1156	0.1522	0.1678	0.1600	50- 60	0.4264	506.9	97.5,103
70	0.0789	0.0859	0.0819	0.0820	0.0702	0.0793	0.0730	0.0732	60- 70	0.0829	507.0	97.5,103
80	0.0811	0.0969	0.0840	0.0931	0.0811	0.0727	0.0840	0.0732	70- 80	0.0847	507.1	97.6,103
90	0.0943	0.0991	0.0929	0.1021	0.0898	0.0727	0.0951	0.0732	80- 90	0.0943	507.2	97.6,103
100	0.0965	0.1106	0.0951	0.1092	0.1023	0.0815	0.1031	0.0887	90-100	0.1019	507.3	97.6,103
110	0.2431	0.2337	0.1899	0.1642	0.1537	0.1474	0.2015	0.2370	100-110	0.1349	507.4	97.6,103
120	0.9525	0.9126	0.7843	0.5905	0.5401	0.5808	0.6888	0.8684	110-120	0.4071	507.8	97.7,103
130	2.377	2.363	2.159	1.807	1.657	1.695	1.876	2.174	120-130	1.166	509.0	97.9,103
140	4.312	4.315	4.092	3.678	3.444	3.482	3.695	4.091	130-140	2.239	511.2	98.4,104
150	6.083	6.058	5.976	5.625	5.422	5.435	5.670	5.937	140-150	3.031	514.2	98.9,104
160	6.759	6.780	6.824	6.746	6.617	6.728	6.905	6.885	150-160	2.940	517.2	99.5,105
170	6.582	6.554	6.706	6.734	6.741	6.868	6.926	6.790	160-170	1.932	519.1	99.9,105
180	6.753	6.868	6.829	6.905	6.761	6.859	6.836	6.898	170-180	0.6436	519.8	100,105
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-16

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-VF51RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



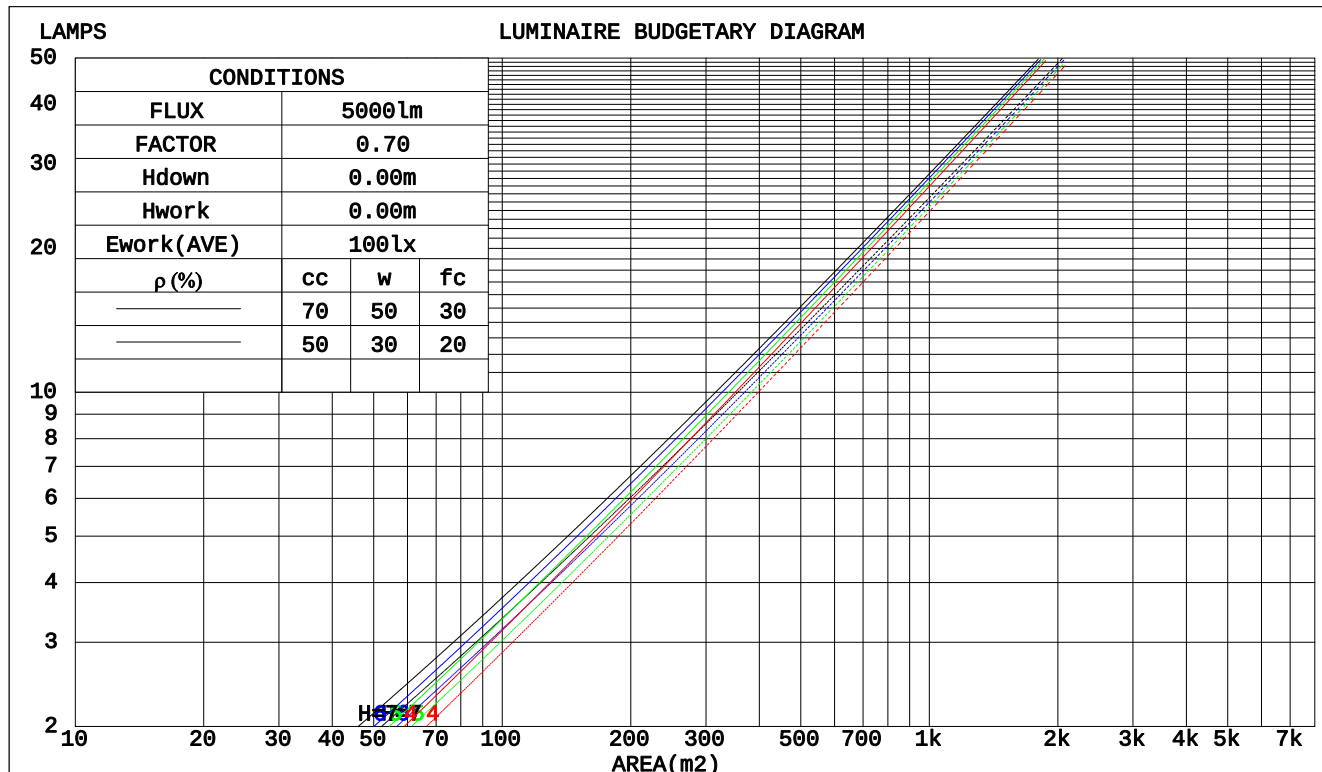
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-8-16

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-VF51RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	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															



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-16

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-VF51RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	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	.167	.095	.030	.159	.091	.029	.144	.083	.026	.131	.076	.024	.119	.069	.022		
2.0	.157	.086	.026	.150	.083	.026	.138	.077	.024	.127	.071	.022	.116	.066	.021		
3.0	.148	.079	.024	.143	.076	.023	.132	.072	.022	.122	.067	.021	.113	.063	.019		
4.0	.140	.073	.021	.136	.071	.021	.126	.067	.020	.118	.063	.019	.110	.060	.018		
5.0	.133	.068	.020	.129	.066	.019	.121	.063	.019	.114	.060	.018	.107	.057	.017		
6.0	.127	.064	.018	.124	.062	.018	.117	.060	.017	.110	.057	.017	.104	.055	.016		
7.0	.122	.060	.017	.118	.059	.017	.112	.057	.016	.106	.055	.016	.101	.052	.015		
8.0	.117	.057	.016	.114	.056	.016	.108	.054	.015	.103	.052	.015	.098	.050	.015		
9.0	.112	.054	.015	.109	.053	.015	.104	.052	.015	.100	.050	.014	.095	.048	.014		
10.0	.108	.052	.014	.105	.051	.014	.101	.049	.014	.096	.048	.014	.092	.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	.220	.220	.220	.188	.188	.188	.128	.128	.128	.074	.074	.074	.024	.024	.024		
1.0	.199	.186	.174	.170	.159	.150	.116	.110	.103	.067	.063	.060	.021	.020	.019		
2.0	.181	.159	.141	.155	.137	.122	.106	.095	.085	.061	.055	.050	.020	.018	.016		
3.0	.167	.139	.117	.143	.120	.102	.098	.084	.071	.057	.049	.042	.018	.016	.014		
4.0	.155	.124	.100	.133	.107	.086	.092	.074	.061	.053	.044	.036	.017	.014	.012		
5.0	.145	.111	.086	.125	.096	.075	.086	.067	.053	.050	.039	.031	.016	.013	.010		
6.0	.137	.101	.075	.118	.088	.066	.081	.061	.046	.047	.036	.028	.015	.012	.009		
7.0	.130	.093	.067	.111	.080	.058	.077	.056	.041	.045	.033	.025	.014	.011	.008		
8.0	.123	.086	.060	.106	.075	.053	.073	.052	.037	.043	.031	.022	.014	.010	.007		
9.0	.118	.080	.055	.102	.070	.048	.070	.049	.034	.041	.029	.020	.013	.010	.007		
10.0	.113	.076	.051	.098	.066	.044	.068	.046	.032	.039	.027	.019	.013	.009	.006		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-16

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-VF51RA01-8W						TYPE:indoor light			WEIGHT:1		
SPEC.:3000K CIR90 36D						DIM.:			SERIAL No.:		
MFR.:						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	12.7	13.5	12.9	13.6	13.8	15.8	16.6	16.1	16.8	17.0	
3H	12.5	13.2	12.8	13.4	13.7	15.7	16.4	16.0	16.6	16.9	
4H	12.4	13.1	12.7	13.3	13.6	15.6	16.3	15.9	16.5	16.8	
6H	12.3	13.0	12.6	13.2	13.5	15.5	16.1	15.8	16.4	16.7	
8H	12.3	12.9	12.6	13.2	13.5	15.5	16.1	15.8	16.4	16.7	
12H	12.2	12.8	12.6	13.1	13.4	15.4	16.0	15.8	16.3	16.6	
4H 2H	12.4	13.1	12.7	13.3	13.6	15.6	16.3	15.9	16.5	16.8	
3H	12.2	12.8	12.6	13.1	13.4	15.4	16.0	15.8	16.3	16.6	
4H	12.1	12.7	12.5	13.0	13.3	15.3	15.8	15.7	16.2	16.5	
6H	12.0	12.5	12.4	12.9	13.3	15.2	15.7	15.6	16.0	16.4	
8H	12.0	12.4	12.4	12.8	13.2	15.1	15.6	15.6	16.0	16.4	
12H	11.9	12.3	12.4	12.7	13.2	15.1	15.5	15.5	15.9	16.3	
8H 4H	12.0	12.4	12.4	12.8	13.2	15.1	15.6	15.6	16.0	16.4	
6H	11.9	12.2	12.3	12.7	13.1	15.0	15.4	15.5	15.8	16.3	
8H	11.8	12.1	12.3	12.6	13.1	15.0	15.3	15.5	15.8	16.2	
12H	11.8	12.0	12.3	12.5	13.0	14.9	15.2	15.4	15.7	16.2	
12H 4H	11.9	12.3	12.4	12.7	13.2	15.1	15.5	15.5	15.9	16.3	
6H	11.8	12.1	12.3	12.6	13.1	15.0	15.3	15.5	15.7	16.2	
8H	11.7	12.0	12.3	12.5	13.0	14.9	15.2	15.4	15.7	16.2	
Variations with the observer position at spacings:											
S = 1.0H	+ 4.2 / -10.3					+ 5.4 / -14.8					
1.5H	+ 6.7 / - 9.6					+ 8.2 / -14.0					
2.0H	+ 5.2 / - 3.3					+ 5.2 / - 3.1					

CIE Pub.117, 493.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-16

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-VF51RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

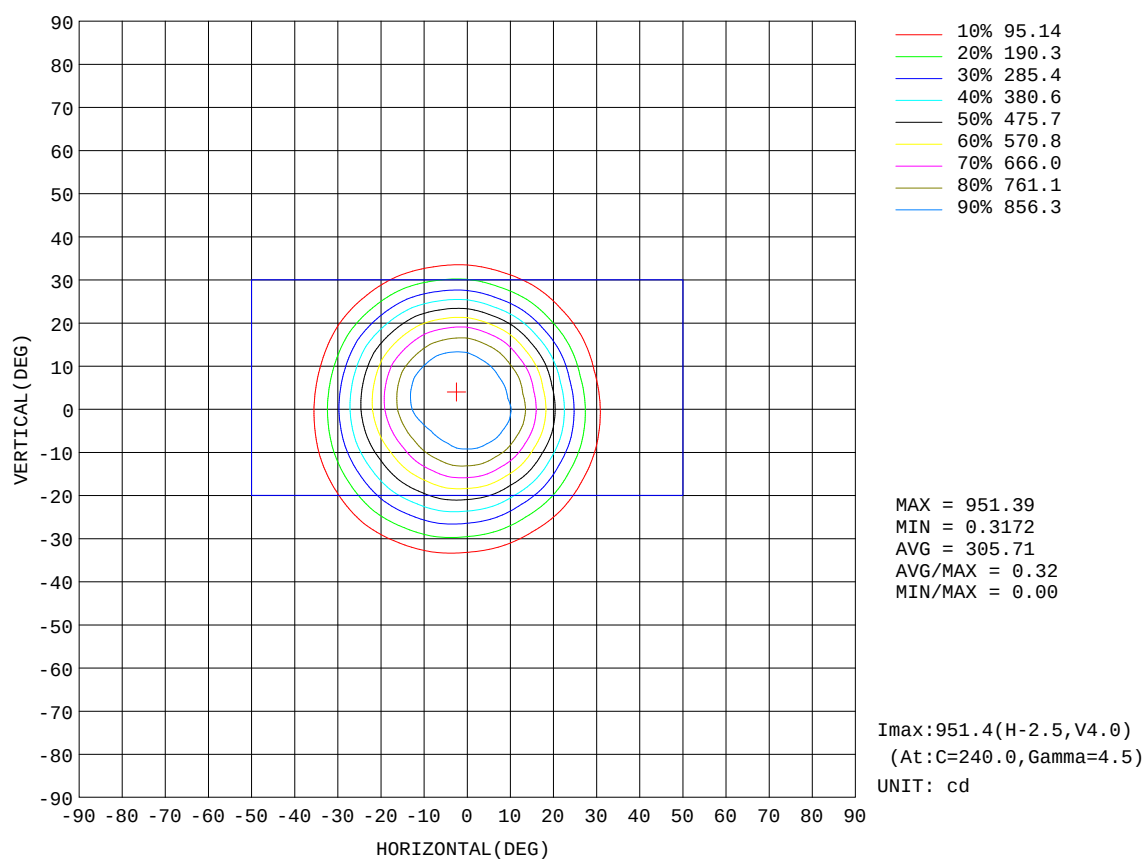
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	94	88	85	94	88	85	93	88	84	81
0.80	102	96	93	101	96	92	100	95	92	88
1.00	106	100	97	105	100	97	103	99	96	92
1.25	110	105	101	108	104	101	106	102	100	95
1.50	112	108	104	111	107	104	108	105	102	97
2.00	115	111	107	113	109	106	110	107	105	99
2.50	116	113	110	114	111	108	111	108	106	99
3.00	118	114	112	116	113	110	112	110	108	100
4.00	120	117	115	117	115	113	113	111	110	102
5.00	121	119	117	119	117	115	114	113	112	103
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:2021-8-16

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-VF51RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

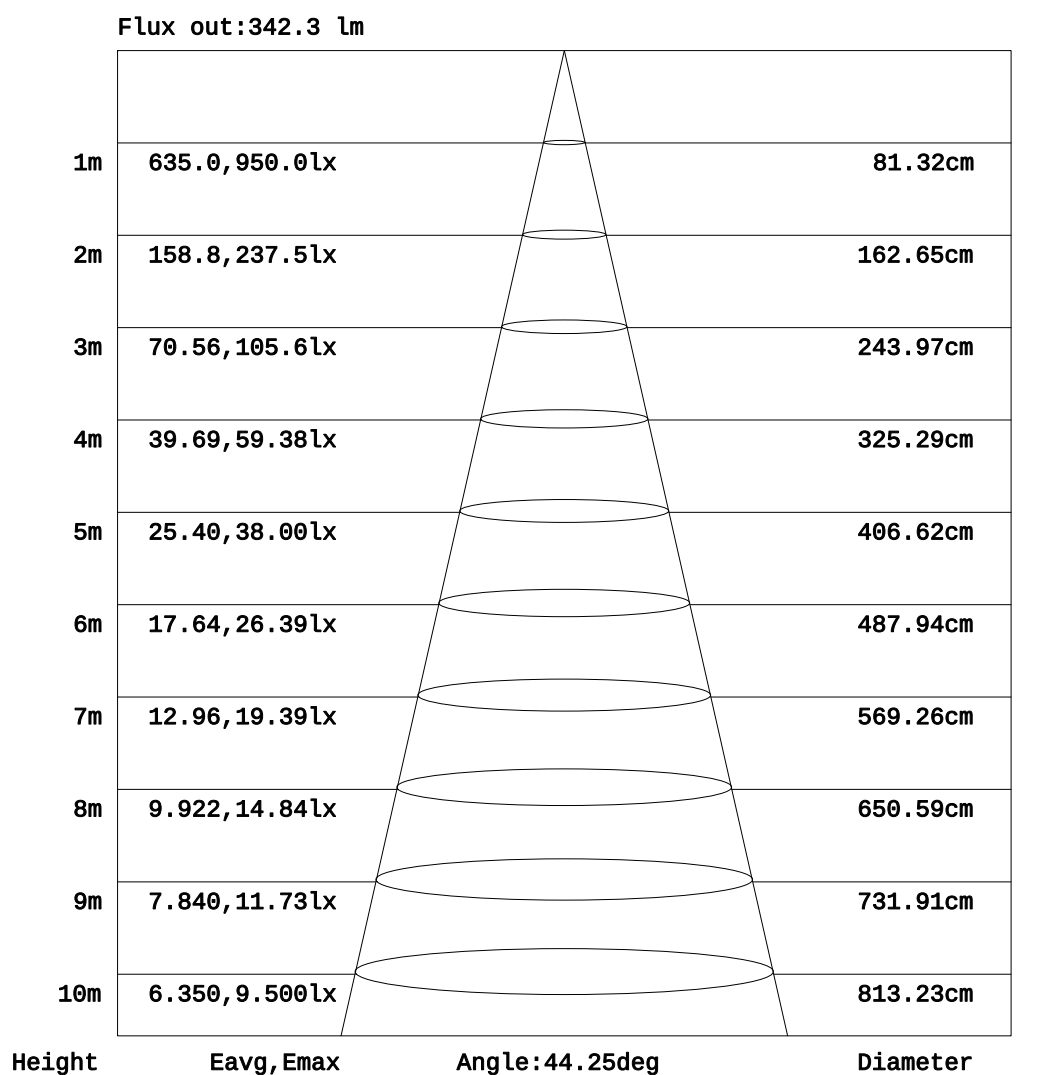


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-8-16

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-VF51RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



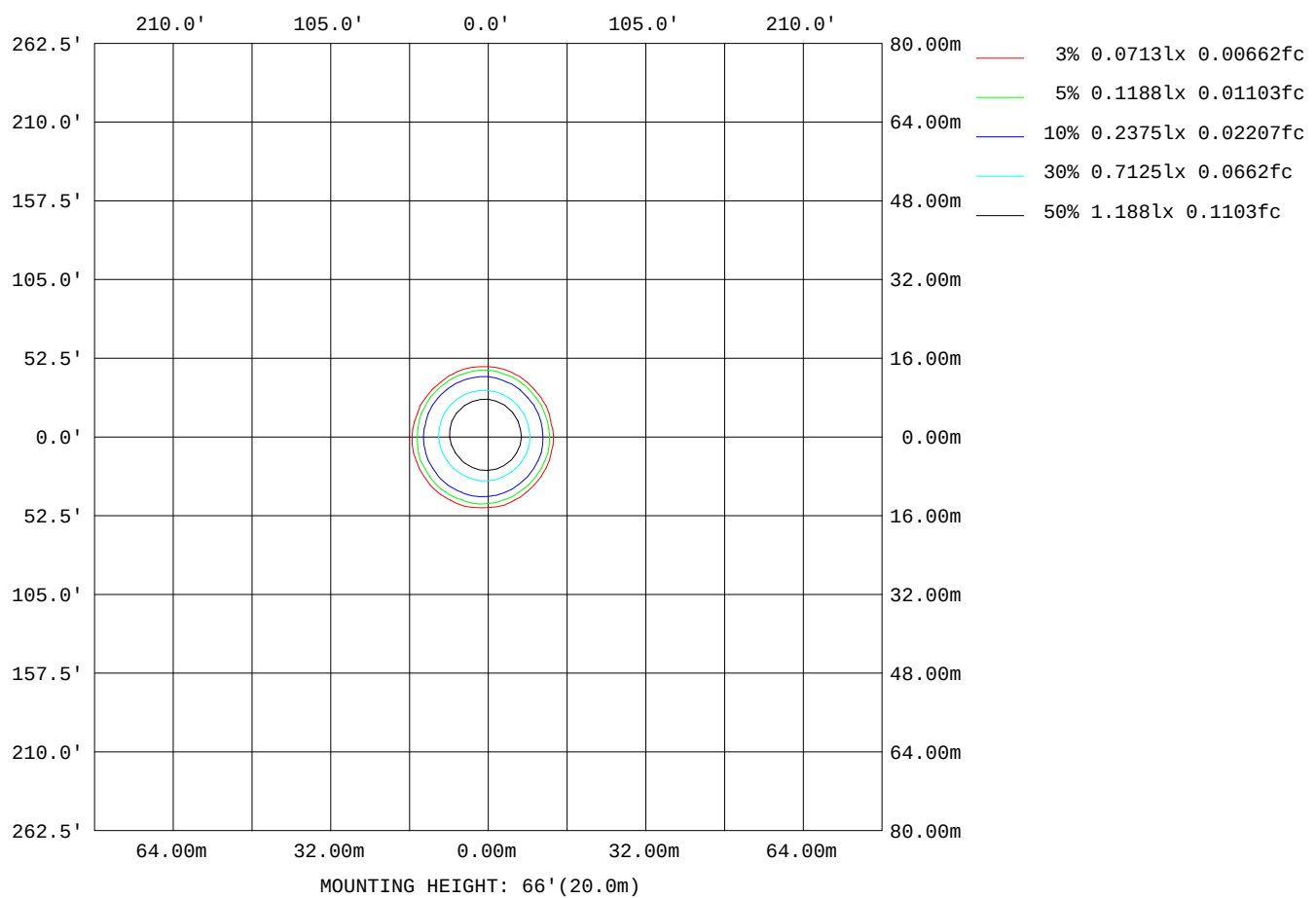
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-16

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-VF51RA01-8W	TYPE: indoor light	WEIGHT: 1
SPEC.: 3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-8-16

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-VF51RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

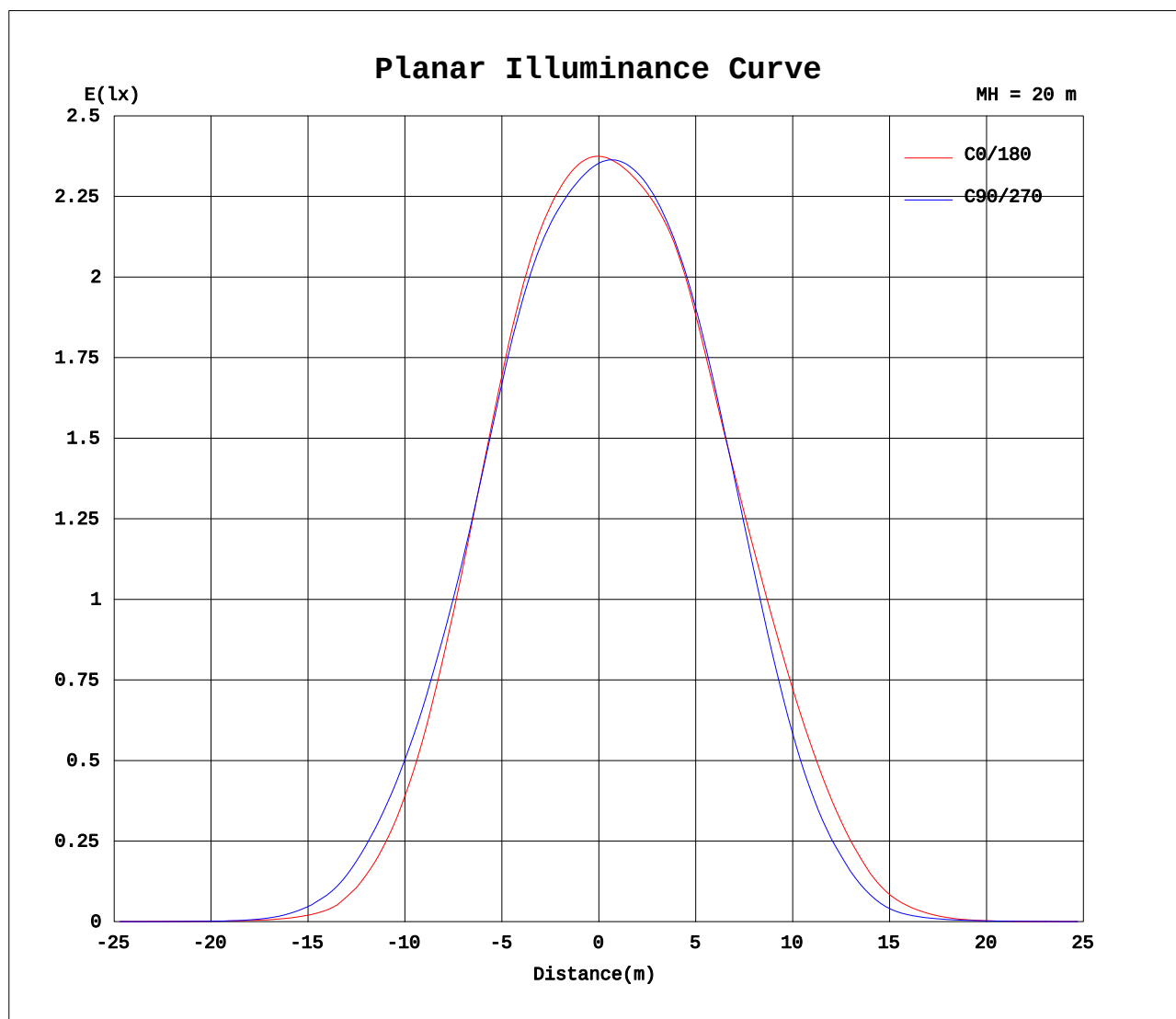
AvgL	cd/m2
L_0~180(65)av	127
L_0~180(75)av	208
L_0~180(85)av	745
L_90~270(65)av	132
L_90~270(75)av	216
L_90~270(85)av	733
L_45(65)av	143
L_45(75)av	227
L_45(85)av	710

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-8-16

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: 2021-8-16

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-VF51RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	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	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943
5	924	923	919	917	914	912	909	908	907	910	914	922	929	937	944	948	950	949	947
10	854	852	843	842	838	842	843	847	845	849	858	877	896	915	929	932	931	921	911
15	701	697	685	687	683	694	698	711	714	730	742	769	791	813	832	831	833	821	810
20	489	488	477	484	484	501	511	531	541	563	580	611	633	652	670	664	663	641	626
25	274	279	275	287	293	318	333	359	374	401	416	445	459	469	479	463	453	421	397
30	114	120	120	133	141	162	178	202	216	240	251	270	274	274	275	254	240	212	194
35	27.0	29.1	30.8	36.9	42.2	52.7	61.1	74.5	84.5	98.5	103	112	108	102	99.8	86.3	80.5	67.6	60.9
40	6.60	6.80	6.85	7.93	8.90	11.1	12.8	16.6	19.6	24.6	26.2	28.4	26.3	23.2	21.5	17.6	15.8	13.2	12.1
45	2.27	2.21	2.11	2.13	2.10	2.19	2.23	2.49	2.71	3.32	3.58	4.09	3.84	3.60	3.75	3.54	3.56	3.28	3.24
50	1.11	1.07	1.01	1.03	0.98	0.99	0.98	1.00	0.97	1.00	1.01	1.07	1.06	1.07	1.13	1.16	1.25	1.28	1.36
55	0.41	0.39	0.36	0.35	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.40	0.38	0.39	0.43	0.45	0.50	0.52	0.55
60	0.09	0.08	0.09	0.08	0.08	0.08	0.09	0.08	0.10	0.10	0.13	0.13	0.12	0.13	0.13	0.15	0.15	0.17	0.17
65	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.08	0.10	0.08	0.07	0.09	0.07	0.09	0.08	0.08	0.07
70	0.08	0.08	0.08	0.09	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.08	0.08	0.08	0.07
75	0.08	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.07	0.07	0.07	0.07	0.08	0.07	0.07
80	0.08	0.10	0.08	0.10	0.08	0.09	0.08	0.10	0.08	0.09	0.08	0.09	0.08	0.07	0.08	0.07	0.08	0.07	0.08
85	0.09	0.10	0.09	0.10	0.09	0.10	0.09	0.10	0.08	0.10	0.08	0.10	0.09	0.07	0.08	0.07	0.09	0.07	0.09
90	0.09	0.10	0.09	0.10	0.09	0.10	0.09	0.11	0.09	0.10	0.09	0.10	0.09	0.07	0.09	0.07	0.09	0.08	0.10
95	0.10	0.10	0.09	0.10	0.10	0.11	0.09	0.11	0.09	0.10	0.10	0.11	0.09	0.08	0.09	0.08	0.09	0.08	0.10
100	0.10	0.11	0.09	0.11	0.10	0.11	0.10	0.11	0.09	0.11	0.10	0.11	0.10	0.09	0.10	0.08	0.10	0.09	0.10
105	0.13	0.14	0.12	0.13	0.12	0.13	0.11	0.12	0.10	0.12	0.10	0.12	0.11	0.09	0.11	0.09	0.12	0.10	0.12
110	0.24	0.25	0.24	0.23	0.21	0.21	0.19	0.19	0.16	0.16	0.14	0.16	0.15	0.14	0.16	0.15	0.17	0.17	0.20
115	0.51	0.51	0.51	0.48	0.46	0.42	0.39	0.35	0.32	0.30	0.27	0.27	0.28	0.27	0.28	0.29	0.32	0.34	0.37
120	0.95	0.95	0.96	0.91	0.89	0.81	0.78	0.70	0.66	0.59	0.57	0.53	0.54	0.55	0.54	0.58	0.60	0.65	0.69
125	1.58	1.58	1.60	1.55	1.52	1.43	1.38	1.25	1.19	1.10	1.05	0.99	0.99	1.00	1.00	1.04	1.06	1.14	1.19
130	2.38	2.39	2.42	2.36	2.33	2.23	2.16	2.01	1.93	1.81	1.75	1.67	1.66	1.66	1.65	1.69	1.73	1.81	1.88
135	3.31	3.33	3.36	3.31	3.28	3.16	3.09	2.92	2.83	2.69	2.61	2.50	2.49	2.49	2.48	2.53	2.56	2.66	2.73
140	4.31	4.34	4.35	4.31	4.28	4.17	4.09	3.94	3.83	3.68	3.59	3.48	3.44	3.44	3.42	3.48	3.51	3.62	3.69
145	5.28	5.29	5.30	5.27	5.25	5.16	5.09	4.96	4.85	4.70	4.62	4.50	4.46	4.44	4.42	4.48	4.52	4.63	4.71
150	6.08	6.07	6.10	6.06	6.06	6.00	5.98	5.85	5.76	5.62	5.56	5.45	5.42	5.41	5.39	5.43	5.49	5.59	5.67
155	6.60	6.58	6.59	6.58	6.58	6.57	6.56	6.51	6.43	6.33	6.29	6.20	6.18	6.18	6.17	6.25	6.29	6.38	6.44
160	6.76	6.73	6.74	6.78	6.78	6.81	6.82	6.81	6.78	6.75	6.69	6.63	6.62	6.65	6.68	6.73	6.79	6.86	6.91
165	6.69	6.66	6.63	6.69	6.77	6.82	6.85	6.87	6.85	6.84	6.79	6.79	6.77	6.84	6.86	6.90	6.96	7.01	7.04
170	6.58	6.55	6.52	6.55	6.61	6.67	6.71	6.72	6.72	6.73	6.78	6.79	6.74	6.82	6.87	6.87	6.89	6.90	6.93
175	6.56	6.57	6.59	6.65	6.68	6.66	6.65	6.68	6.71	6.79	6.83	6.78	6.71	6.78	6.86	6.90	6.88	6.86	6.85
180	6.75	6.78	6.80	6.87	6.83	6.82	6.83	6.82	6.84	6.90	6.85	6.80	6.76	6.77	6.81	6.86	6.84	6.81	6.84

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-16

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-VF51RA01-8W	TYPE:indoor light	WEIGHT:1
SPEC.:3000K CIR90 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	943	943	943	943	943													
5	941	938	932	930	925													
10	894	883	868	863	856													
15	783	767	741	729	707													
20	591	569	533	518	493													
25	357	335	304	292	273													
30	166	153	131	124	111													
35	50.7	42.0	32.6	29.3	25.3													
40	10.1	8.97	7.43	7.01	6.33													
45	3.00	2.82	2.52	2.45	2.28													
50	1.34	1.31	1.22	1.21	1.11													
55	0.54	0.53	0.48	0.46	0.42													
60	0.18	0.17	0.16	0.12	0.09													
65	0.08	0.07	0.09	0.07	0.07													
70	0.08	0.07	0.07	0.07	0.07													
75	0.08	0.08	0.07	0.08	0.07													
80	0.08	0.08	0.07	0.08	0.07													
85	0.08	0.08	0.07	0.09	0.07													
90	0.08	0.09	0.07	0.09	0.08													
95	0.08	0.09	0.08	0.10	0.08													
100	0.09	0.10	0.09	0.10	0.09													
105	0.11	0.13	0.12	0.14	0.13													
110	0.21	0.23	0.24	0.26	0.26													
115	0.41	0.44	0.48	0.49	0.52													
120	0.76	0.79	0.87	0.89	0.95													
125	1.28	1.34	1.43	1.48	1.56													
130	1.99	2.06	2.17	2.24	2.35													
135	2.85	2.94	3.10	3.17	3.28													
140	3.83	3.93	4.09	4.16	4.28													
145	4.84	4.94	5.07	5.14	5.24													
150	5.78	5.85	5.94	5.98	6.06													
155	6.50	6.55	6.57	6.58	6.59													
160	6.93	6.92	6.88	6.84	6.81													
165	7.02	6.99	6.90	6.82	6.80													
170	6.90	6.88	6.79	6.74	6.70													
175	6.85	6.87	6.83	6.74	6.69													
180	6.82	6.84	6.90	6.85	6.80													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-8-16

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: