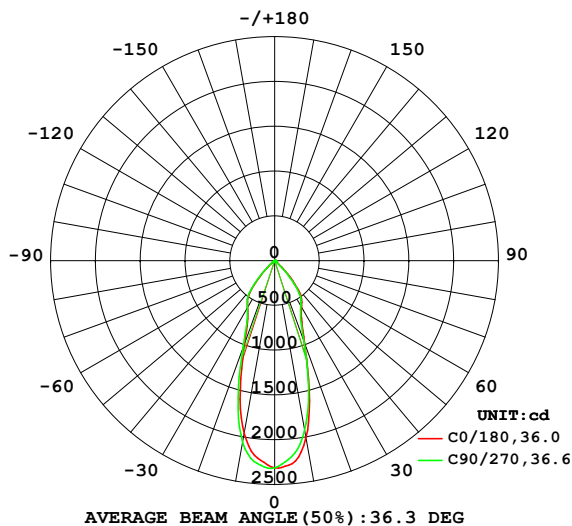


LUMINAIRE PHOTOMETRIC TEST REPORT

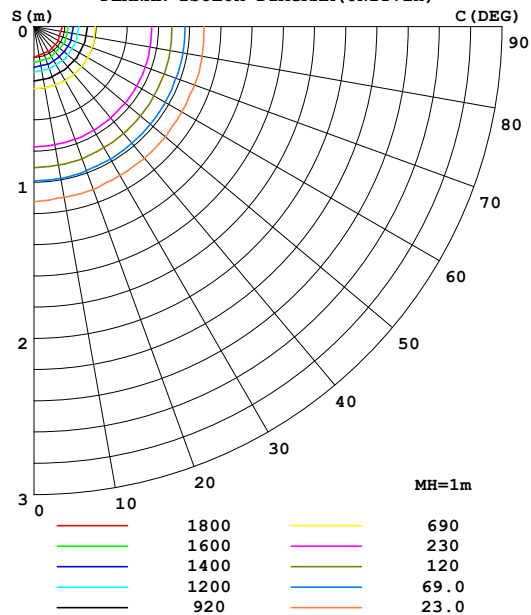
Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9651		Lamp Flux:1453.47x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 116.75 lm/W
MODEL		I _{max} (cd)	2321	S/MH (C0/180)	0.60	
NOMINAL POWER(W)	13	LOR (%)	100.0	S/MH (C90/270)	0.62	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1453.5	η UP,DN (C0-180)	0.0,49.0	
NOMINAL FLUX(lm)	1453.47	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,51.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	240.38	η down (%)	100.0	CIBSE SHR MAX	0.60	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [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	2014	1951	1928	1940	1959	2022	2063	2054	0- 10	206.2	206.2	14.2,14.2
20	974.9	968.1	965.6	965.5	981.8	1010	1036	1005	10- 20	409.7	615.9	42.4,42.4
30	603.7	596.6	587.7	600.4	609.1	615.3	610.7	612.1	20- 30	337.7	953.6	65.6,65.6
40	382.8	360.7	341.4	353.3	363.6	387.5	393.2	395.6	30- 40	319.4	1273	87.6,87.6
50	38.72	35.51	36.70	40.08	40.27	46.35	41.75	43.48	40- 50	137.2	1410	97,97
60	14.19	15.04	16.03	15.99	14.92	15.30	15.51	14.50	50- 60	21.65	1432	98.5,98.5
70	6.948	7.907	9.036	8.640	7.688	7.912	7.812	7.216	60- 70	10.47	1442	99.2,99.2
80	5.487	6.241	6.661	6.871	6.390	6.672	6.535	5.915	70- 80	8.133	1450	99.8,99.8
90	0.0580	0.0523	0.0640	0.0474	0.0497	0.0533	0.0636	0.0554	80- 90	3.023	1453	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1372.5 lm

%lum = 94.4%

%lamp = 94.4%

Conical surface Flux(120deg): 1431.8 lm

%lum = 98.5%

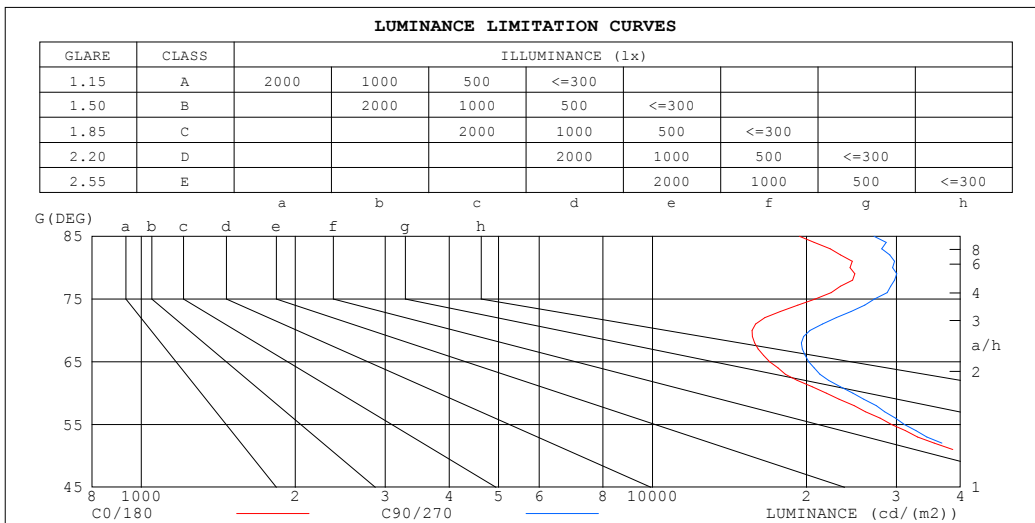
%lamp = 98.5%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-10-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz			Lamp Flux:1453.47x1 lm		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9651					
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D			13WTYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: Norming lighting			SUR.: 41mm		Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	19369	27111
80	24350	29497
75	20810	27163
70	15656	20318
65	16954	20205
60	21875	24661
55	29349	31102
50	46425	43907
45	194104	159405

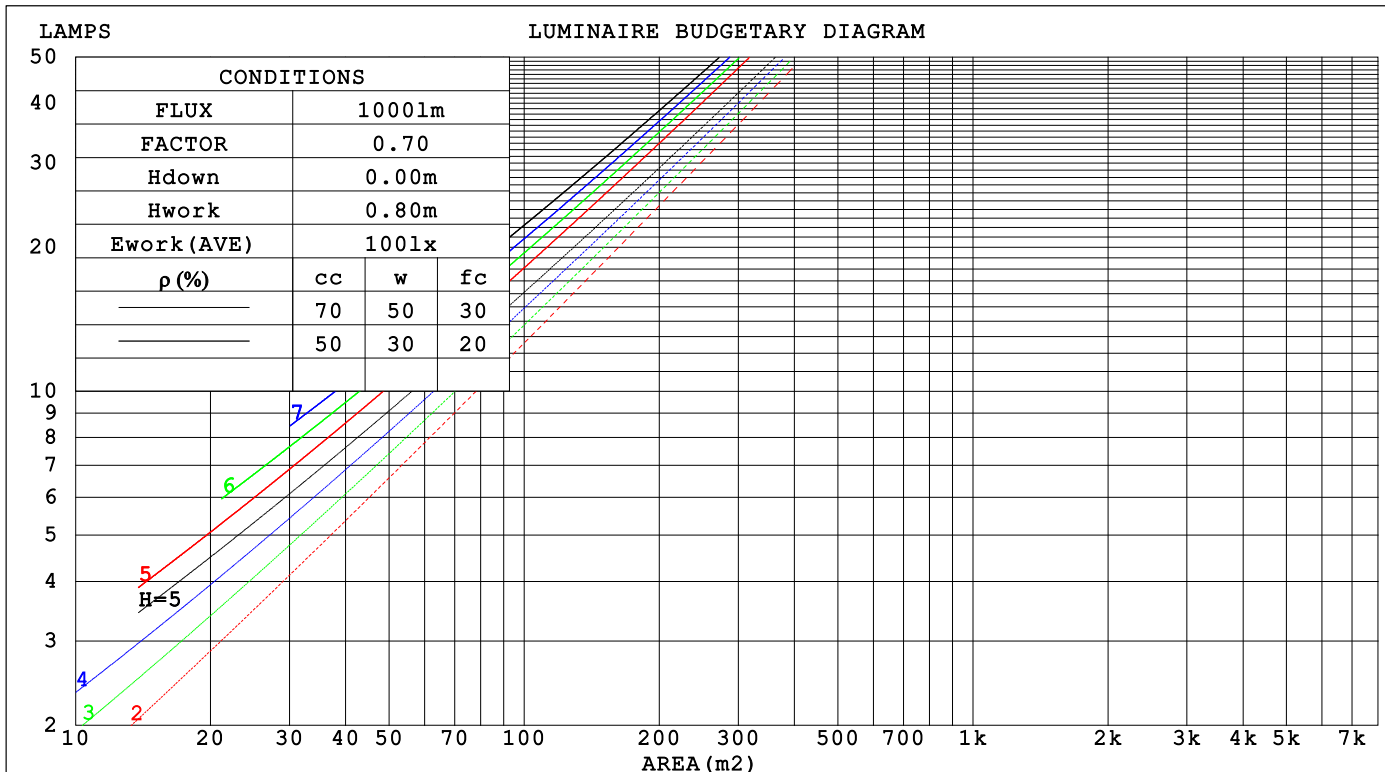
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9651		Lamp Flux:1453.47x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz			UTHDi:0.18% ITHDi:18.88% KDisp:0.9651			Lamp Flux:1453.47x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D			13WTYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming lighting			SUR.: 41mm			Shielding Angle:		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.183	.104	.033	.177	.101	.032	.164	.094	.030	.152	.088	.028	.142	.082	.026		
2.0	.175	.096	.029	.169	.093	.029	.159	.088	.027	.149	.084	.026	.140	.079	.025		
3.0	.166	.089	.027	.162	.087	.026	.152	.083	.025	.144	.079	.024	.136	.075	.023		
4.0	.158	.082	.024	.154	.080	.024	.146	.077	.023	.139	.074	.022	.132	.072	.022		
5.0	.150	.077	.022	.147	.075	.022	.140	.073	.021	.133	.070	.021	.127	.068	.020		
6.0	.143	.072	.021	.140	.071	.020	.134	.069	.020	.128	.067	.020	.123	.065	.019		
7.0	.136	.067	.019	.133	.066	.019	.128	.065	.019	.123	.063	.018	.118	.061	.018		
8.0	.130	.064	.018	.128	.063	.018	.123	.061	.018	.118	.060	.017	.114	.059	.017		
9.0	.124	.060	.017	.122	.059	.017	.118	.058	.017	.114	.057	.016	.110	.056	.016		
10.0	.119	.057	.016	.117	.056	.016	.113	.055	.016	.109	.054	.015	.106	.053	.015		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.172	.157	.144	.147	.135	.124	.100	.093	.086	.058	.054	.050	.019	.017	.016		
2.0	.157	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013		
3.0	.145	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010		
4.0	.134	.099	.072	.115	.086	.062	.079	.060	.044	.046	.035	.026	.015	.011	.009		
5.0	.126	.087	.059	.108	.076	.051	.074	.053	.036	.043	.031	.022	.014	.010	.007		
6.0	.118	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006		
7.0	.112	.071	.042	.096	.061	.036	.066	.043	.026	.039	.025	.015	.012	.008	.005		
8.0	.106	.064	.036	.091	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004		
9.0	.101	.059	.031	.087	.051	.027	.060	.036	.019	.035	.021	.011	.011	.007	.004		
10.0	.096	.055	.027	.083	.048	.024	.057	.033	.017	.034	.020	.010	.011	.007	.003		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz											
UTHDi:0.18% ITHDi:18.88% KDisp:0.9651						Lamp Flux:1453.47x1 lm					
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D						13WTYPE:			WEIGHT:		
SPEC.:						DIM.:			SERIAL No.:		
MFR.: Norming lighting						SUR.: 41mm			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	26.2	27.2	26.4	27.3	27.5	25.9	26.9	26.1	27.0	27.2	
	3H	26.1	27.0	26.3	27.2	27.4	25.8	26.7	26.1	26.9	27.1
	4H	26.0	26.9	26.3	27.1	27.3	25.8	26.6	26.1	26.9	27.1
	6H	26.0	26.8	26.3	27.1	27.3	25.8	26.6	26.1	26.8	27.1
	8H	26.0	26.8	26.3	27.0	27.3	25.8	26.6	26.1	26.8	27.1
	12H	26.0	26.7	26.3	27.0	27.3	25.8	26.5	26.1	26.8	27.1
4H 2H	26.0	26.8	26.3	27.0	27.3	25.7	26.5	26.0	26.7	27.0	
	3H	25.9	26.6	26.2	26.9	27.1	25.6	26.3	25.9	26.6	26.9
	4H	25.9	26.5	26.2	26.8	27.1	25.6	26.3	26.0	26.6	26.9
	6H	25.9	26.5	26.3	26.8	27.2	25.7	26.3	26.1	26.6	27.0
	8H	25.9	26.4	26.3	26.8	27.2	25.8	26.3	26.2	26.7	27.0
	12H	25.9	26.4	26.3	26.8	27.2	25.8	26.3	26.2	26.7	27.0
8H 4H	25.8	26.3	26.2	26.7	27.0	25.6	26.1	26.0	26.5	26.8	
	6H	25.9	26.3	26.3	26.7	27.1	25.7	26.2	26.2	26.6	27.0
	8H	25.9	26.3	26.4	26.7	27.2	25.8	26.2	26.2	26.6	27.0
	12H	25.9	26.3	26.4	26.7	27.2	25.8	26.2	26.3	26.6	27.1
12H 4H	25.8	26.2	26.2	26.6	27.0	25.5	26.0	25.9	26.4	26.8	
	6H	25.9	26.2	26.3	26.7	27.1	25.7	26.1	26.1	26.5	26.9
	8H	25.9	26.2	26.4	26.7	27.1	25.8	26.1	26.3	26.6	27.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 2.4 / - 6.6					+ 2.2 / - 5.7				
1.5H		+ 4.5 / - 6.5					+ 4.4 / - 5.6				
2.0H		+ 6.4 / - 2.7					+ 5.3 / - 1.8				

CIE Pub.117, 1453 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.3)
Area: 0.0013 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9651		Lamp Flux:1453.47x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

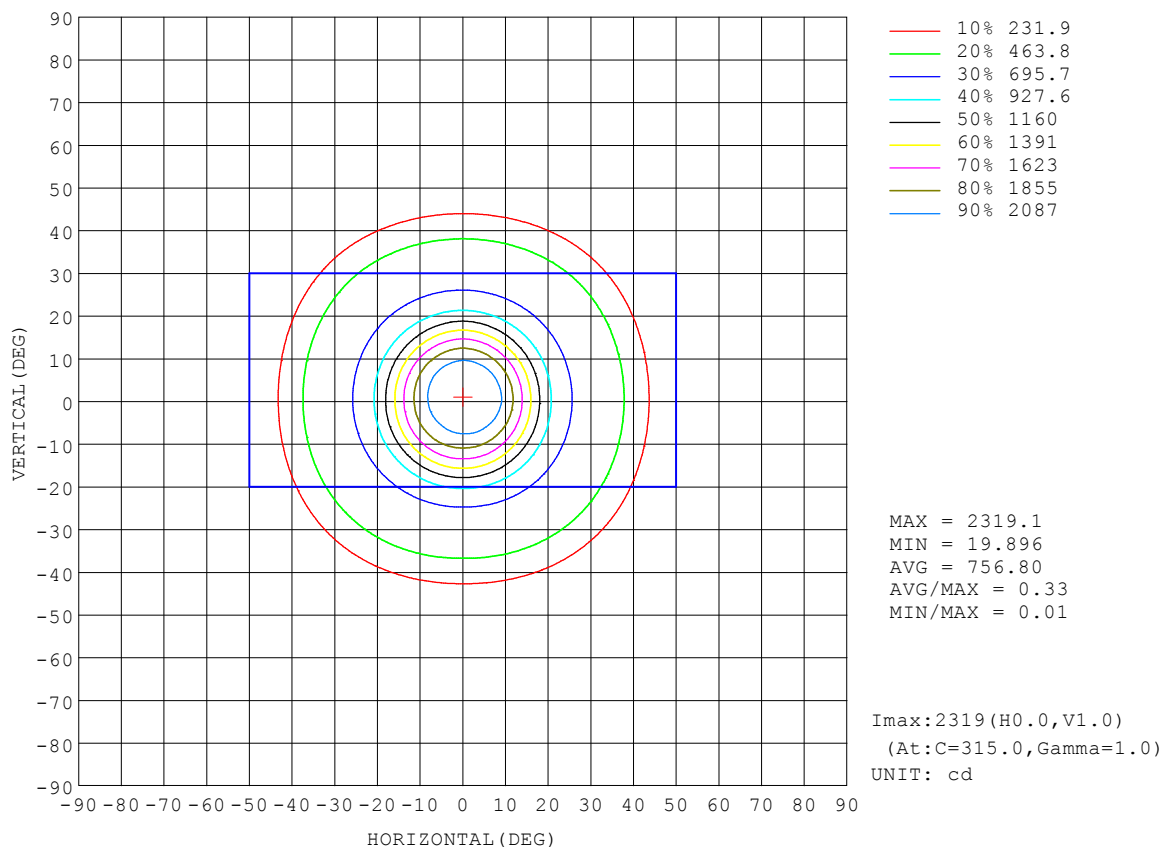
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	77	73	83	77	73	82	76	72	68
0.80	92	85	81	91	85	81	90	84	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	96	92	100	95	91	98	94	91	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	104	96
5.00	114	112	110	112	110	108	108	107	105	97
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-10-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9651 Lamp Flux:1453.47x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D 13WTYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

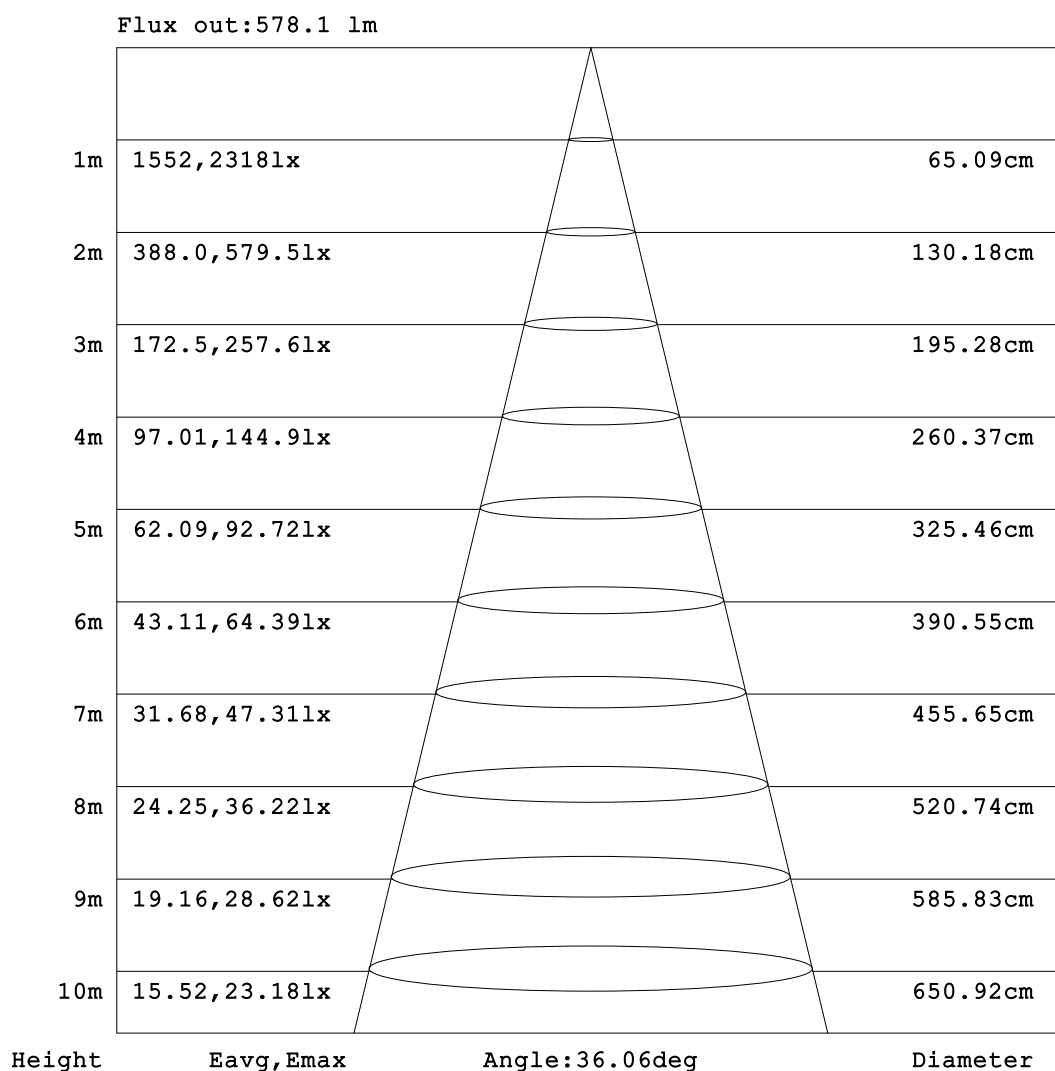


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9651		Lamp Flux:1453.47x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



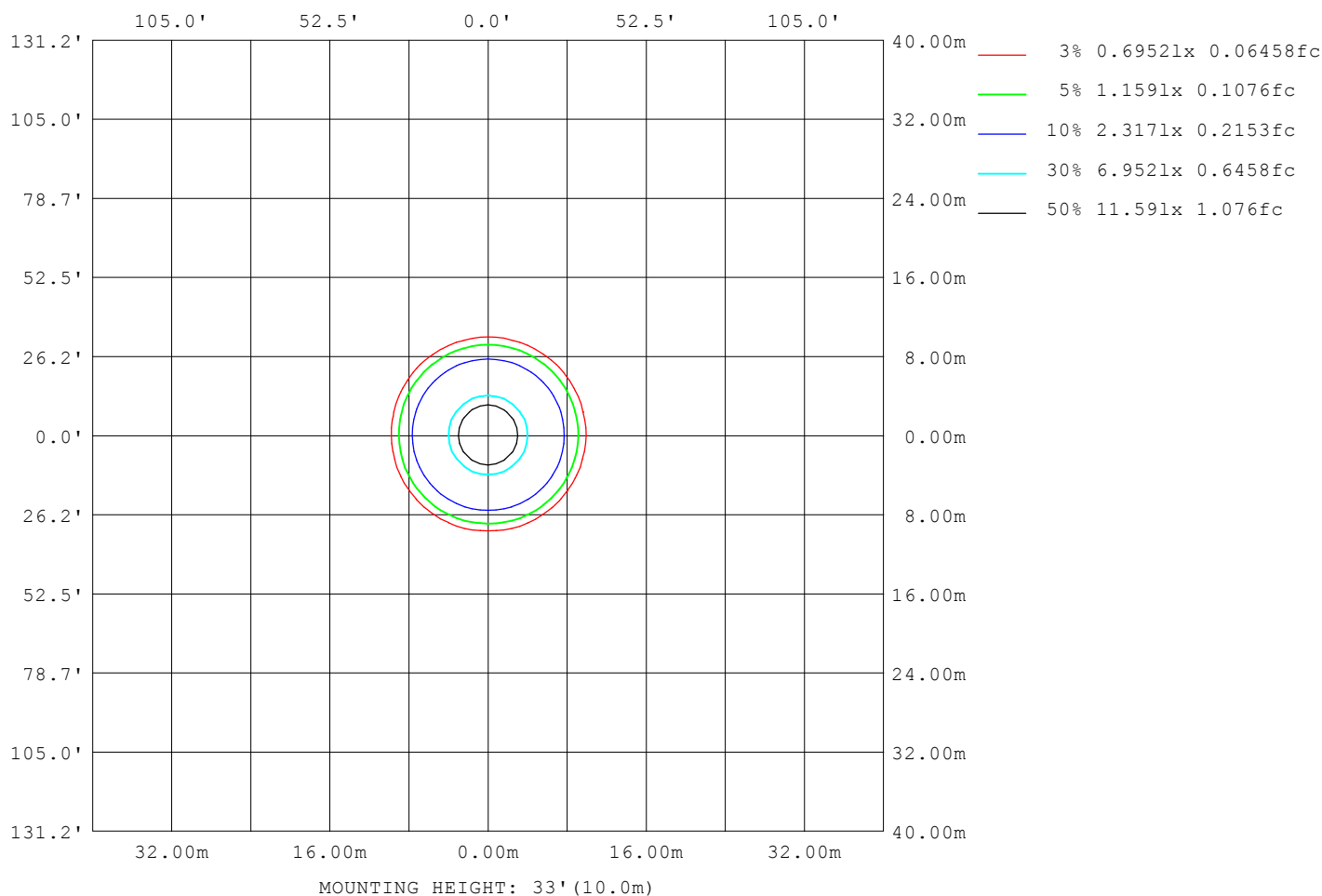
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-10-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9651		Lamp Flux:1453.47x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.4V I:0.0546A P:12.4W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9651		Lamp Flux:1453.47x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 38D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

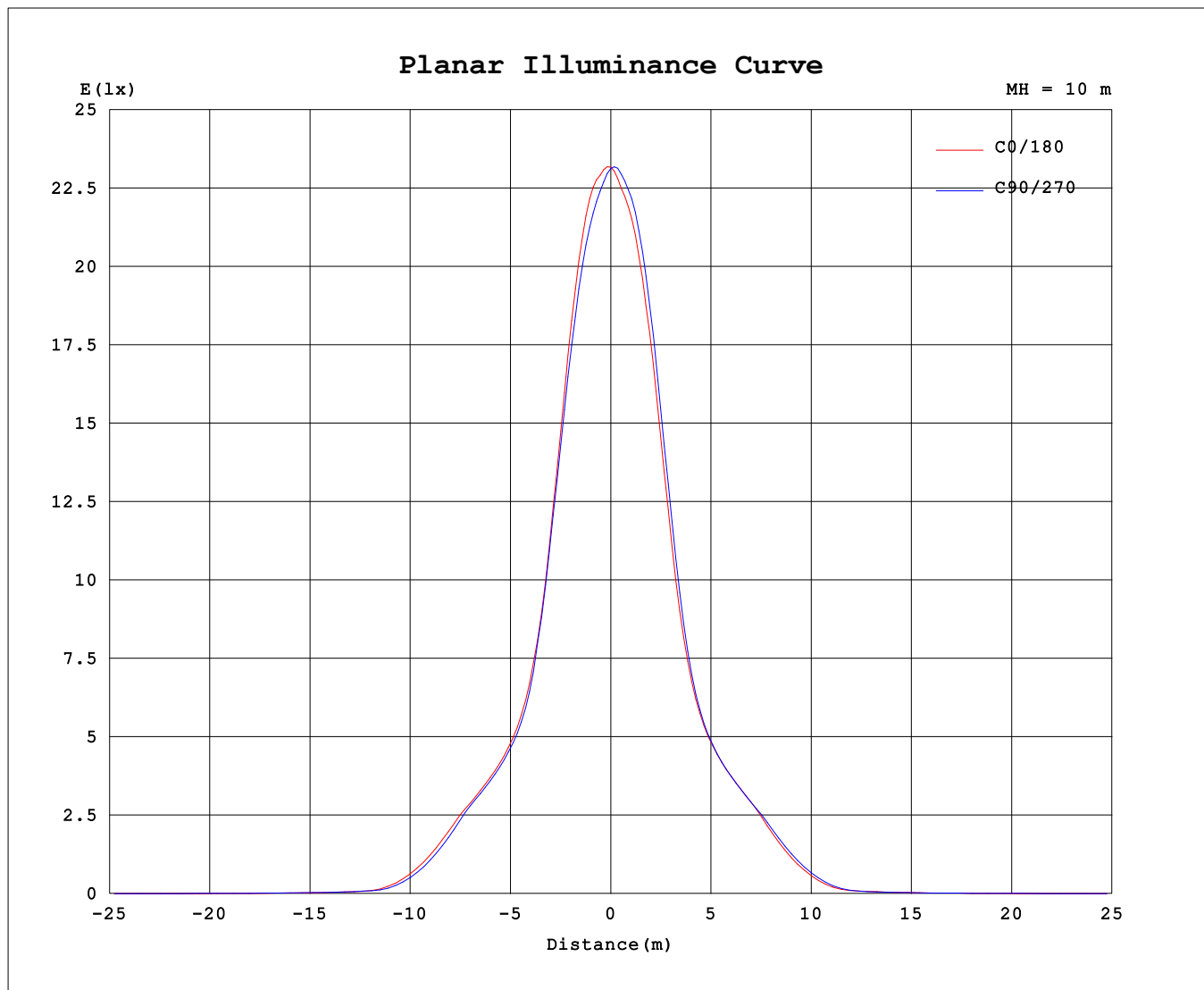
AvgL	cd/m2
L_0~180 (65) av	17488
L_0~180 (75) av	21876
L_0~180 (85) av	23082
L_90~270 (65) av	19466
L_90~270 (75) av	25305
L_90~270 (85) av	26424
L_45 (65) av	18443
L_45 (75) av	24328
L_45 (85) av	24522

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-10-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

```

Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	2313	2313	2313	2313	2313	2313	2313	2313
3.0	2296	2274	2251	2243	2256	2282	2305	2312
6.0	2249	2197	2160	2160	2184	2218	2255	2268
9.0	2090	2029	2002	2011	2031	2088	2126	2124
12.0	1831	1785	1763	1782	1797	1854	1901	1875
15.0	1499	1474	1463	1478	1486	1543	1584	1544
18.0	1159	1147	1145	1157	1162	1207	1245	1200
21.0	908.2	894.7	875.6	888.8	909.1	936.4	950.6	934.1
24.0	747.3	735.6	719.4	732.5	751.8	761.9	767.4	760.9
27.0	659.8	650.7	640.5	651.7	664.3	671.7	670.3	667.5
30.0	603.7	596.6	587.7	600.4	609.1	615.3	610.7	612.1
33.0	557.7	550.1	542.7	556.7	563.4	568.7	563.1	566.9
36.0	509.9	500.7	488.0	499.8	508.0	516.6	513.4	517.9
39.0	421.7	402.0	381.1	394.3	404.4	427.2	431.0	433.7
42.0	300.1	277.4	260.5	269.6	280.7	304.7	312.7	313.7
45.0	178.1	158.8	146.6	153.8	162.7	184.9	189.5	189.1
48.0	80.35	64.61	59.33	66.22	69.17	88.54	85.17	89.69
51.0	31.57	31.22	33.03	36.16	36.12	37.54	33.08	32.91
54.0	23.82	24.07	25.03	26.80	26.86	26.92	24.84	23.77
57.0	18.44	19.39	20.16	20.46	20.03	20.19	19.84	18.64
60.0	14.19	15.04	16.03	15.99	14.92	15.30	15.51	14.50
63.0	10.72	11.56	12.55	12.32	11.35	11.70	11.91	10.96
66.0	8.702	9.560	10.53	10.19	9.330	9.473	9.611	8.901
69.0	7.288	8.225	9.200	8.844	8.008	8.134	8.158	7.540
72.0	6.649	7.771	9.190	8.723	7.371	7.989	7.503	6.890
75.0	6.989	8.109	9.142	9.002	7.732	8.439	7.886	7.191
78.0	6.641	7.542	8.035	8.209	7.483	7.875	7.532	6.871
81.0	4.993	5.605	6.049	6.245	5.955	6.015	5.917	5.302
84.0	2.808	3.306	3.895	3.959	3.819	3.757	3.558	3.039
87.0	0.6263	0.6902	0.9556	1.071	1.307	1.441	1.239	0.9285
90.0	0.0580	0.0523	0.0640	0.0474	0.0497	0.0533	0.0636	0.0554

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks: