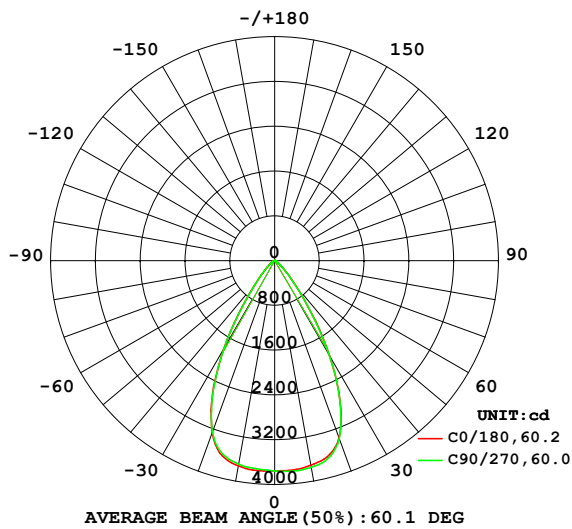


LUMINAIRE PHOTOMETRIC TEST REPORT

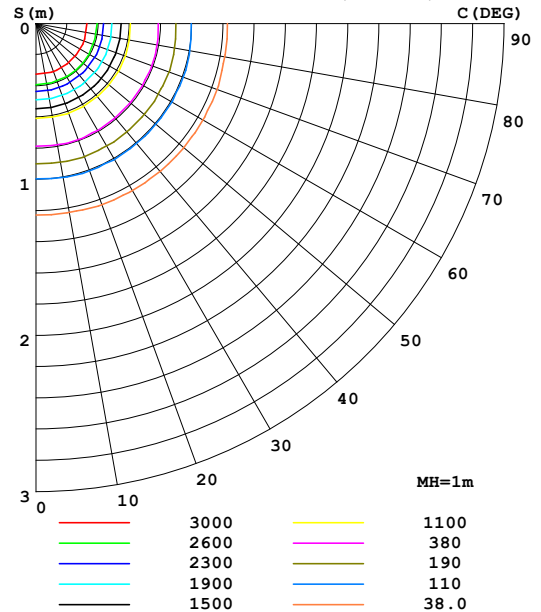
Test:U:240.4V I:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz		
UTHDi:0.20% ITHDi:52.14% KDisp:0.9918 Lamp Flux:3634.66x1 lm		
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 104mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.98 lm/W			
MODEL		Imax (cd)	3777	S/MH(C0/180)	0.88
NOMINAL POWER(W)	35	LOR(%)	100.0	S/MH(C90/270)	0.88
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	3634.7	η UP,DN(C0-180)	0.0,51.3
NOMINAL FLUX(lm)	3634.66	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	240.38	η down (%)	100.0	CIBSE SHR MAX	0.90

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:2024-09-14

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	3710	3728	3750	3739	3722	3687	3692	3705	0- 10	357.3	357.3	9.83,9.83
20	3368	3401	3380	3321	3266	3227	3256	3329	10- 20	1010	1368	37.6,37.6
30	1977	2006	1965	1906	1826	1777	1808	1892	20- 30	1213	2581	71,71
40	597.1	621.7	591.9	560.0	529.7	509.9	515.7	547.9	30- 40	698.3	3279	90.2,90.2
50	162.0	170.4	162.4	154.3	149.1	143.7	143.7	148.9	40- 50	235.3	3515	96.7,96.7
60	52.08	52.62	48.26	44.72	45.24	44.80	45.13	47.25	50- 60	83.96	3599	99,99
70	16.58	16.42	15.64	14.92	14.13	13.72	15.08	16.23	60- 70	28.04	3627	99.8,99.8
80	3.326	3.247	3.130	2.921	2.878	2.916	3.092	3.266	70- 80	6.795	3633	100,100
90	0.0978	0.0735	0.1051	0.0815	0.0894	0.0873	0.0971	0.0802	80- 90	1.195	3635	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): 3429.4 lm

%lum = 94.4%

%lamp = 94.4%

Conical surface Flux(120deg): 3598.6 lm

%lum = 99.0%

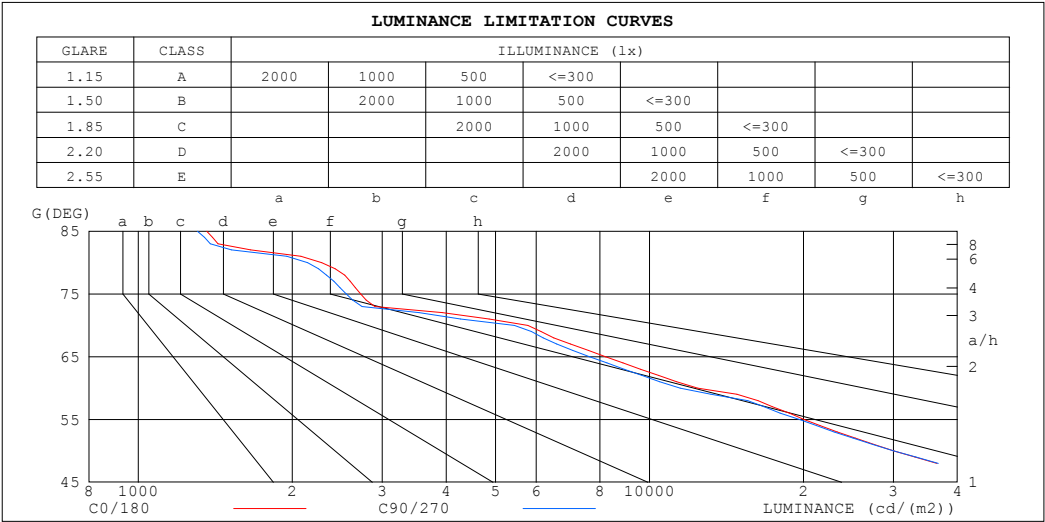
%lamp = 99.0%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-14

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:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz		
UTHDi:0.20% ITHDi:52.14% KDisp:0.9918 Lamp Flux:3634.66x1 lm		
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 104mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1362	1305
80	2285	2144
75	2722	2552
70	5784	5439
65	8201	7634
60	12428	11482
55	20073	19656
50	30065	30062
45	50896	51073

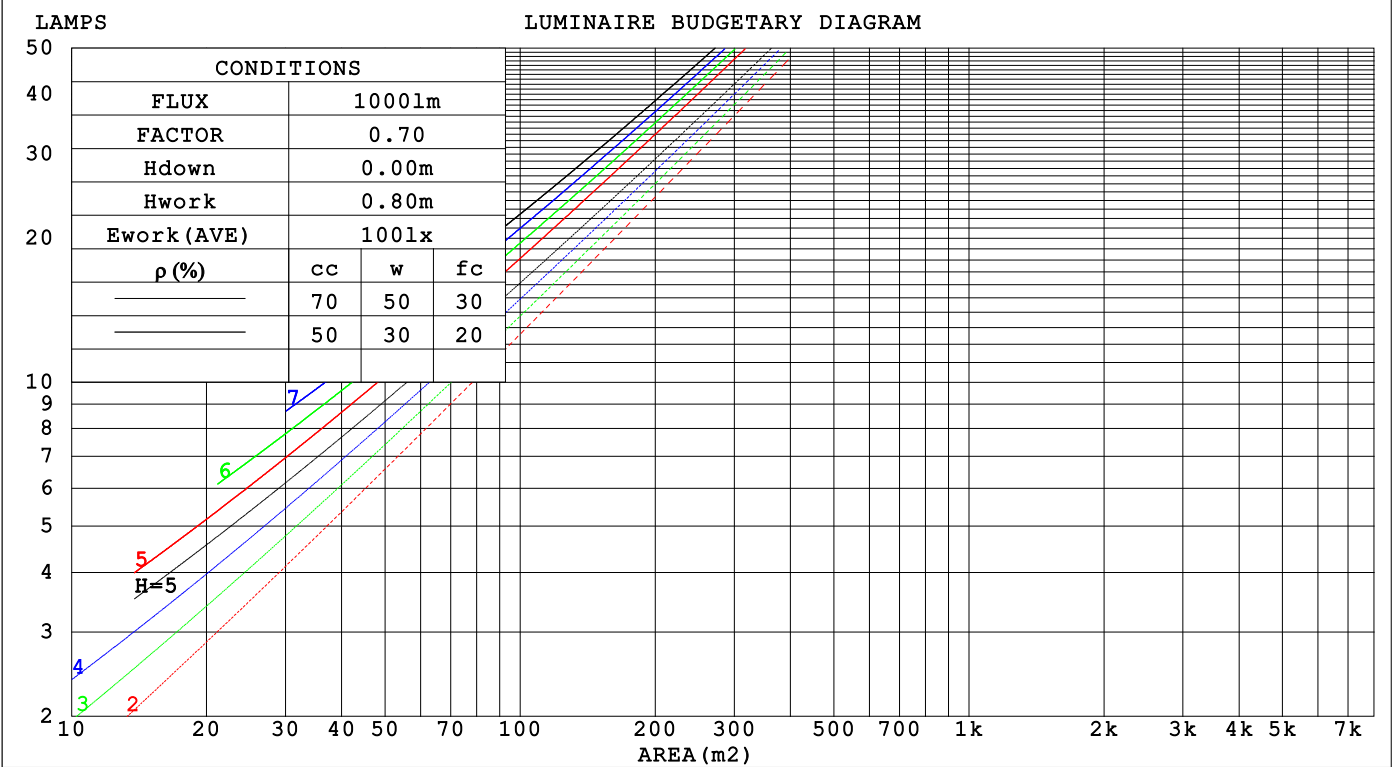
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-14

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:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz		
UTHDi:0.20% ITHDi:52.14% KDisp:0.9918		Lamp Flux:3634.66x1 lm
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 104mm	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:2024-09-14

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:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz			UTHDi:0.20% ITHDi:52.14% KDisp:0.9918			Lamp Flux:3634.66x1 lm		
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming lighting			SUR.: 104mm			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	.182	.103	.033	.175	.100	.032	.162	.093	.030	.151	.087	.028	.140	.081	.026															
2.0	.174	.096	.029	.169	.093	.029	.158	.088	.027	.148	.083	.026	.139	.079	.025															
3.0	.166	.089	.027	.161	.086	.026	.152	.083	.025	.144	.079	.024	.136	.075	.023															
4.0	.158	.082	.024	.154	.081	.024	.146	.078	.023	.139	.075	.023	.132	.072	.022															
5.0	.151	.077	.022	.147	.076	.022	.140	.073	.022	.134	.071	.021	.128	.068	.021															
6.0	.144	.072	.021	.141	.071	.020	.135	.069	.020	.129	.067	.020	.124	.065	.019															
7.0	.138	.068	.019	.135	.067	.019	.129	.065	.019	.124	.064	.019	.120	.062	.018															
8.0	.132	.064	.018	.129	.064	.018	.124	.062	.018	.120	.061	.017	.115	.059	.017															
9.0	.126	.061	.017	.124	.060	.017	.119	.059	.017	.115	.058	.017	.112	.057	.016															
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016															

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	.171	.157	.145	.147	.135	.124	.100	.093	.086	.058	.054	.050	.018	.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	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.042	.097	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.036	.092	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.059	.031	.088	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.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:2024-09-14

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:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz										
UTHDi:0.20% ITHDi:52.14% KDisp:0.9918					Lamp Flux:3634.66x1 lm					
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Norming lighting					SUR.: 104mm			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	22.2	23.2	22.4	23.3	23.5	22.1	23.1	22.4	23.3	23.4
3H	22.1	23.0	22.3	23.2	23.4	22.0	22.9	22.3	23.1	23.3
4H	22.0	22.8	22.3	23.1	23.3	21.9	22.8	22.2	23.0	23.2
6H	21.9	22.7	22.2	22.9	23.2	21.8	22.6	22.1	22.9	23.1
8H	21.9	22.6	22.2	22.9	23.1	21.8	22.6	22.1	22.8	23.1
12H	21.8	22.6	22.1	22.8	23.1	21.8	22.5	22.1	22.8	23.0
4H 2H	22.0	22.9	22.3	23.1	23.3	21.9	22.8	22.2	23.0	23.2
3H	21.9	22.6	22.2	22.9	23.2	21.8	22.6	22.2	22.8	23.1
4H	21.8	22.5	22.2	22.8	23.1	21.8	22.4	22.1	22.7	23.0
6H	21.7	22.3	22.1	22.6	23.0	21.7	22.2	22.0	22.6	22.9
8H	21.7	22.2	22.1	22.6	22.9	21.6	22.2	22.0	22.5	22.9
12H	21.6	22.1	22.0	22.5	22.9	21.6	22.1	22.0	22.4	22.8
8H 4H	21.7	22.2	22.1	22.6	22.9	21.6	22.2	22.0	22.5	22.9
6H	21.6	22.0	22.0	22.4	22.8	21.5	22.0	22.0	22.4	22.8
8H	21.5	21.9	22.0	22.3	22.8	21.5	21.9	21.9	22.3	22.7
12H	21.5	21.8	22.0	22.3	22.7	21.4	21.8	21.9	22.2	22.7
12H 4H	21.6	22.1	22.0	22.5	22.9	21.6	22.1	22.0	22.4	22.8
6H	21.5	21.9	22.0	22.3	22.8	21.5	21.9	21.9	22.3	22.7
8H	21.5	21.8	22.0	22.3	22.7	21.4	21.8	21.9	22.2	22.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.8 / - 6.1					+ 2.7 / - 6.2				
1.5H	+ 4.4 / - 4.3					+ 4.3 / - 4.4				
2.0H	+ 4.4 / - 4.6					+ 4.4 / - 4.7				

CIE Pub.117, 3635 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.5$)
Area: 0.0084 m²

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-14

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:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz		
UTHDi:0.20% ITHDi:52.14% KDisp:0.9918 Lamp Flux:3634.66x1 lm		
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 104mm	Shielding Angle:

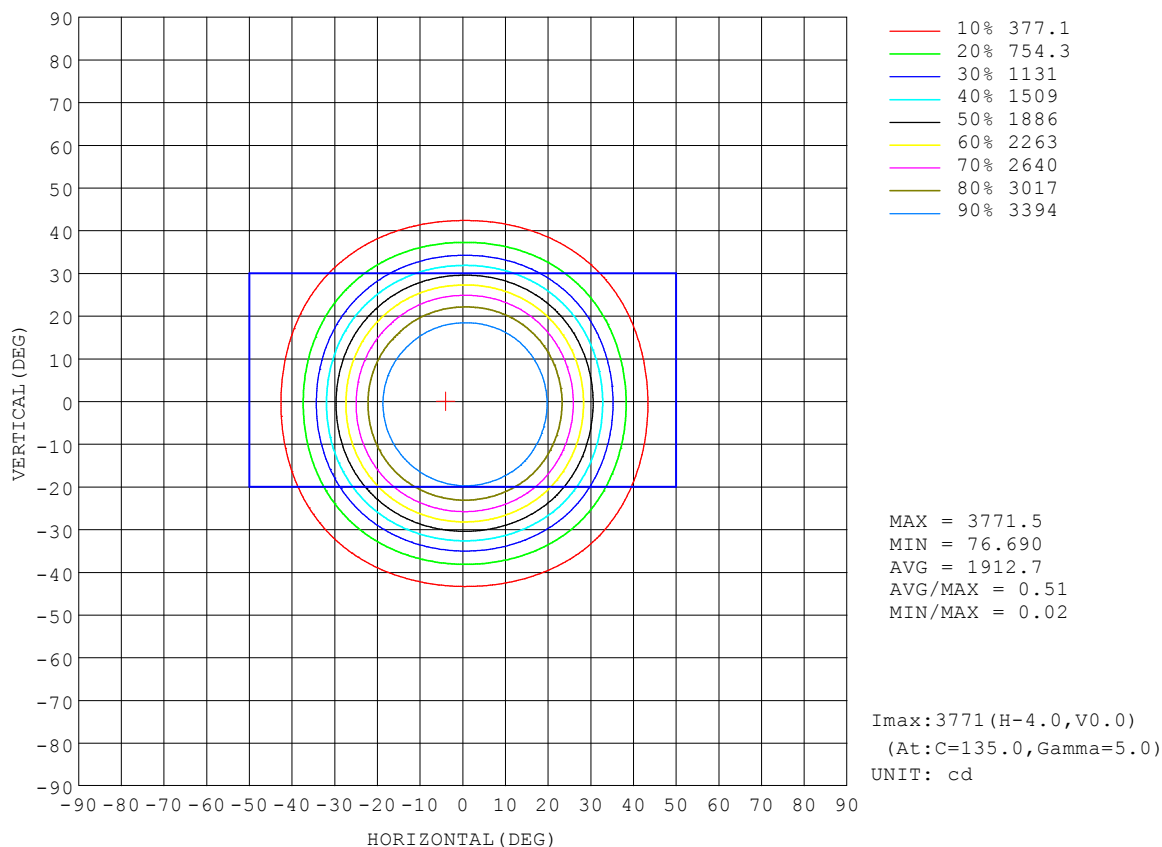
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	79	75	85	78	75	84	78	74	71
0.80	93	87	83	92	87	83	91	86	82	79
1.00	98	92	88	97	92	88	96	92	87	83
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	99	96	102	98	95	90
2.00	108	104	100	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	113	111	109	109	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: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ 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:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz		
UTHDi:0.20% ITHDi:52.14% KDisp:0.9918 Lamp Flux:3634.66x1 lm		
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 104mm	Shielding Angle:

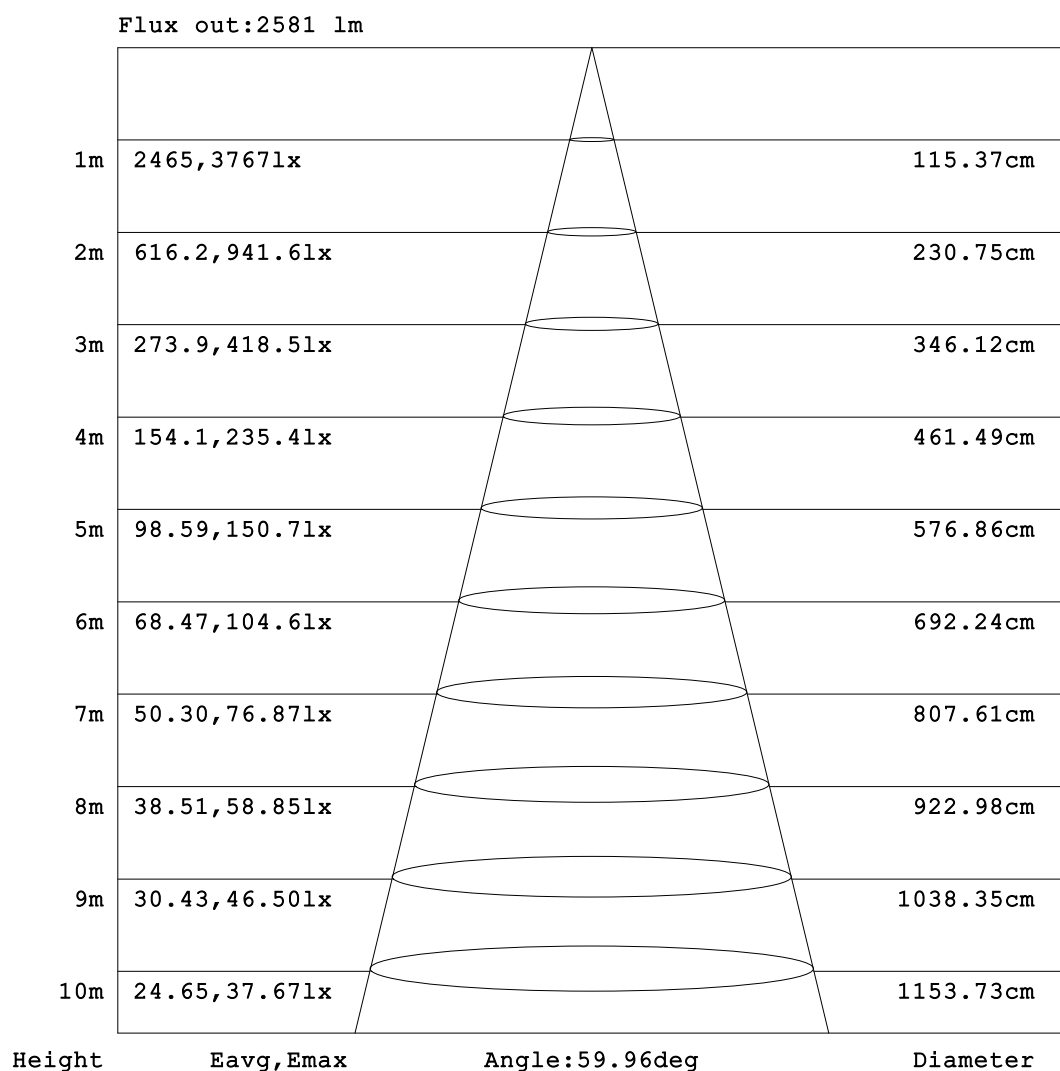


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-14

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:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz		
UTHDi:0.20% ITHDi:52.14% KDisp:0.9918 Lamp Flux:3634.66x1 lm		
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 104mm	Shielding Angle:



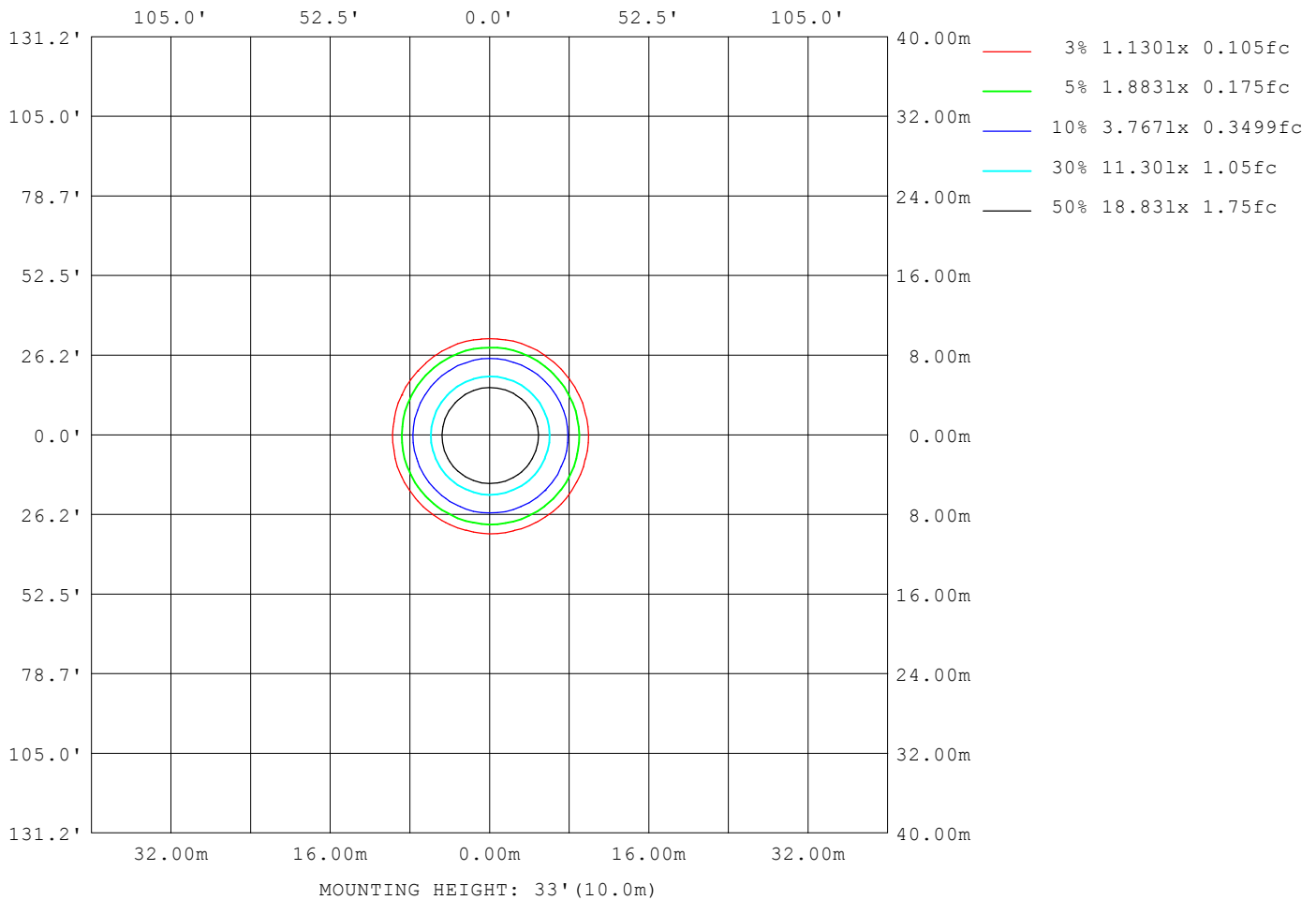
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-14

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:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz		
UTHDi:0.20% ITHDi:52.14% KDisp:0.9918 Lamp Flux:3634.66x1 lm		
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 104mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-14

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:0.1427A P:34.0W PF:0.9908 Freq:49.99Hz		
UTHDi:0.20% ITHDi:52.14% KDisp:0.9918 Lamp Flux:3634.66x1 lm		
NAME: TR11-35-XX-01+白色防眩环 2700K RA90 60D 35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 104mm	Shielding Angle:

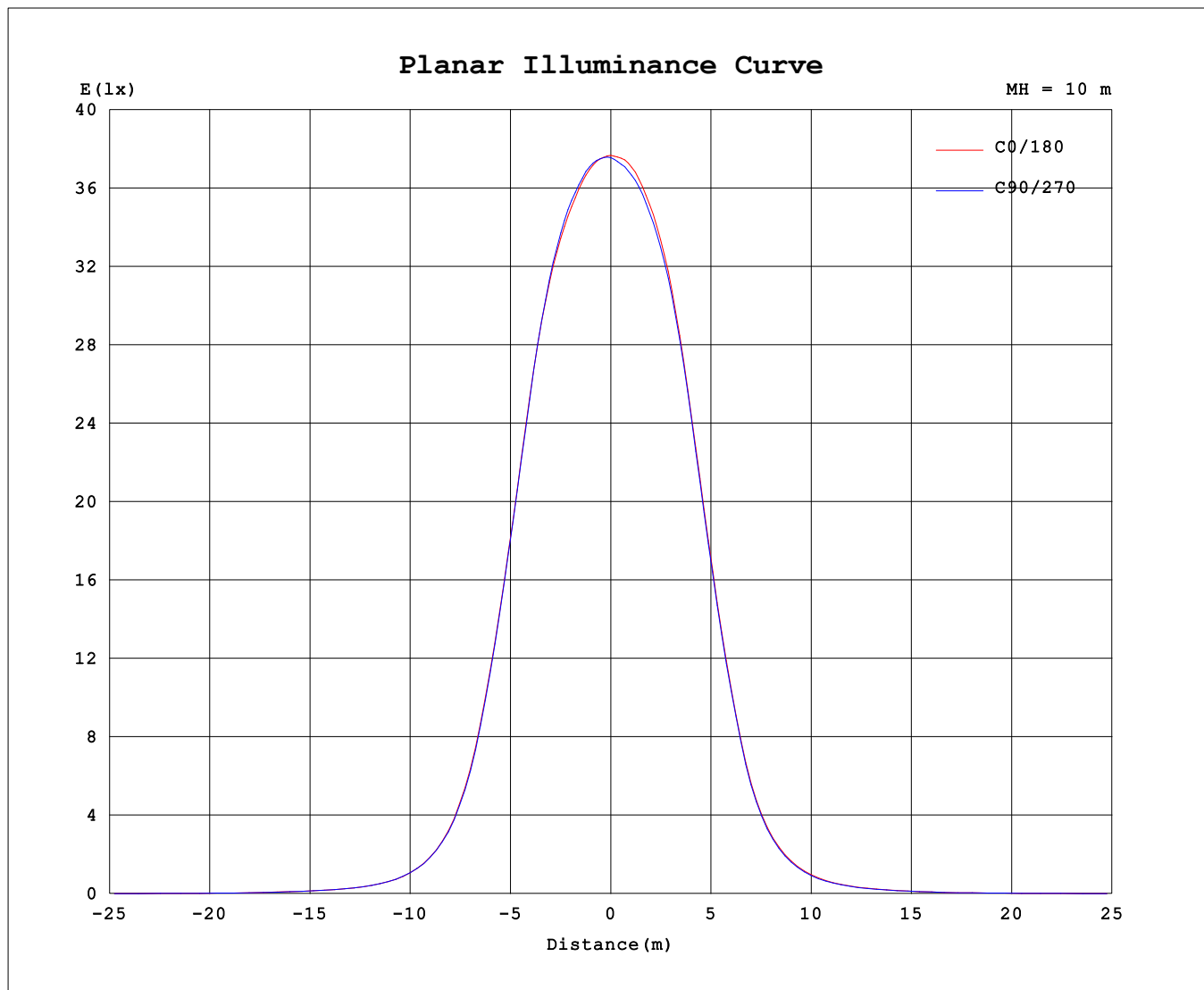
AvgL	cd/m2
L_0~180 (65) av	7709
L_0~180 (75) av	2556
L_0~180 (85) av	1289
L_90~270 (65) av	7465
L_90~270 (75) av	2553
L_90~270 (85) av	1296
L_45 (65) av	7571
L_45 (75) av	2546
L_45 (85) av	1262

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-14

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: 2024-09-14

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	3758	3758	3758	3758	3758	3758	3758	3758
3.0	3756	3760	3767	3772	3760	3746	3739	3748
6.0	3749	3758	3774	3775	3759	3737	3729	3737
9.0	3724	3737	3757	3752	3735	3703	3706	3717
12.0	3685	3710	3732	3716	3693	3657	3658	3678
15.0	3628	3648	3663	3633	3611	3576	3581	3613
18.0	3507	3533	3526	3478	3441	3404	3423	3481
21.0	3275	3310	3283	3217	3153	3112	3149	3232
24.0	2911	2941	2908	2856	2773	2723	2757	2846
27.0	2467	2497	2462	2409	2316	2269	2301	2392
30.0	1977	2006	1965	1906	1826	1777	1808	1892
33.0	1471	1505	1453	1396	1328	1289	1316	1394
36.0	1020	1050	1003	953.5	899.1	878.3	886.7	969.1
39.0	683.3	711.1	675.1	640.1	604.5	584.0	591.6	629.4
42.0	454.4	474.2	452.1	427.8	406.4	390.2	393.7	416.2
45.0	301.6	316.5	303.6	286.3	272.9	261.8	263.4	277.2
48.0	204.8	217.4	206.5	195.7	187.6	179.7	181.0	188.5
51.0	145.1	152.4	144.7	137.6	133.7	129.1	128.8	133.3
54.0	106.3	111.2	104.9	100.2	98.19	96.90	95.23	97.85
57.0	79.38	81.70	76.72	72.05	71.44	70.15	69.92	72.71
60.0	52.08	52.62	48.26	44.72	45.24	44.80	45.13	47.25
63.0	36.55	37.14	34.06	32.00	32.29	31.96	32.22	33.63
66.0	25.87	26.07	24.18	23.12	22.88	22.59	23.29	24.24
69.0	18.41	18.39	17.69	17.16	16.62	16.35	17.28	18.16
72.0	10.18	8.425	9.199	7.229	6.985	7.010	7.466	9.732
75.0	5.905	5.769	5.551	5.290	5.206	5.231	5.551	5.851
78.0	4.418	4.284	4.081	3.865	3.829	3.899	4.104	4.383
81.0	2.726	2.667	2.567	2.346	2.282	2.287	2.469	2.649
84.0	1.223	1.201	1.183	1.128	1.126	1.127	1.176	1.163
87.0	0.5679	0.5361	0.5306	0.4686	0.4520	0.4567	0.5070	0.5029
90.0	0.0978	0.0735	0.1051	0.0815	0.0894	0.0873	0.0971	0.0802

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-14

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: