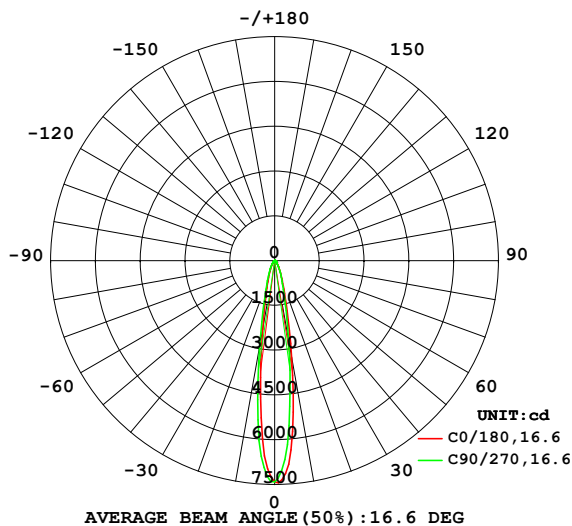


## LUMINAIRE PHOTOMETRIC TEST REPORT

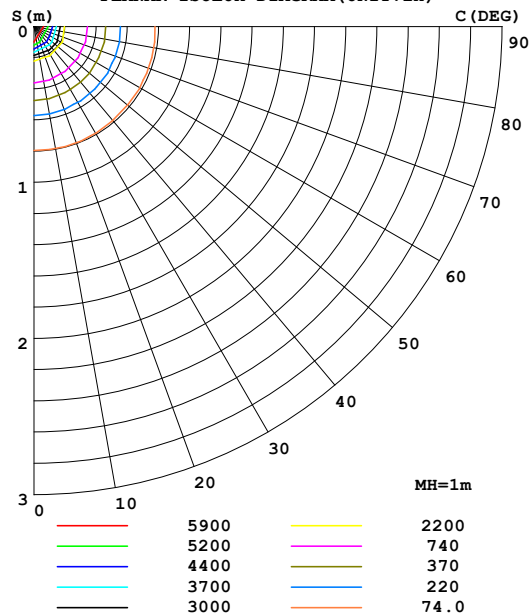
Test:U:240.4V I:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz		
UTHDi:0.18% ITHDi:8.28% KDisp:0.9490 Lamp Flux:1283.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 70.01 lm/W
MODEL		Imax (cd)	7442	S/MH(C0/180)	0.26	
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.30	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1283.4	$\eta$ UP,DN(C0-180)	0.0,53.3	
NOMINAL FLUX(lm)	1283.39	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,46.7	
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	240.38	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-09-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	3312	3069	2695	3084	2337	2487	2927	2596	0- 10	450.0	450.0	35.1,35.1
20	811.7	788.9	741.7	773.3	607.8	628.7	725.2	700.3	10- 20	383.3	833.3	64.9,64.9
30	315.3	304.8	290.7	295.8	236.0	244.7	286.8	284.2	20- 30	208.5	1042	81.2,81.2
40	133.9	129.7	123.2	127.0	103.3	105.8	123.4	122.1	30- 40	116.8	1159	90.3,90.3
50	64.24	63.02	61.77	62.90	52.82	53.16	60.34	59.35	40- 50	65.53	1224	95.4,95.4
60	32.48	31.57	30.43	31.52	26.91	27.41	30.78	29.52	50- 60	38.77	1263	98.4,98.4
70	7.885	7.488	7.035	8.346	5.654	6.014	6.972	5.475	60- 70	17.28	1280	99.7,99.7
80	1.212	1.193	1.193	1.395	1.111	1.091	1.179	0.9920	70- 80	2.801	1283	100,100
90	0.0407	0.0275	0.0489	0.0280	0.0322	0.0278	0.0373	0.0316	80- 90	0.4145	1283	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): 1195.7 lm

%lum = 93.2%

%lamp = 93.2%

Conical surface Flux(120deg): 1262.9 lm

%lum = 98.4%

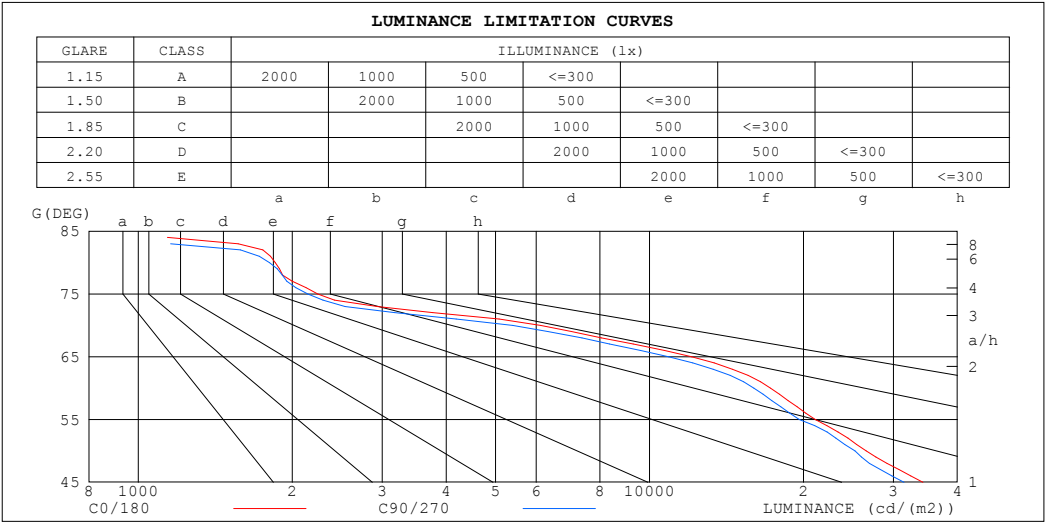
%lamp = 98.4%

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-09-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz		
UTHDi:0.18% ITHDi:8.28% KDisp:0.9490 Lamp Flux:1283.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	694	513
80	1854	1805
75	2246	2145
70	6123	5405
65	12094	10895
60	17254	15995
55	21113	19645
50	26544	25251
45	34247	31448

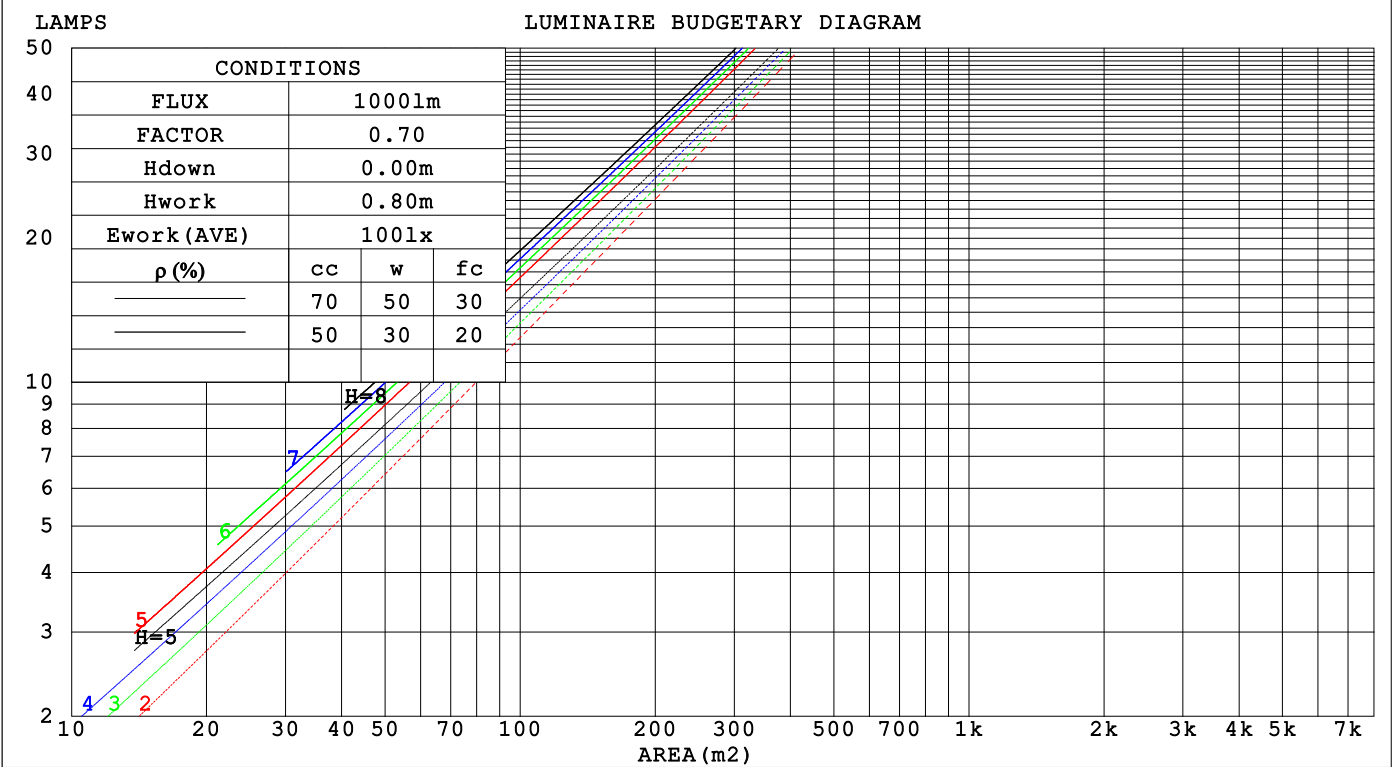
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-09-04

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:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz		
UTHDi:0.18% ITHDi:8.28% KDisp:0.9490		
Lamp Flux:1283.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	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			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90
3.0	.00	.96	.92	.99	.95	.92	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86
4.0	.95	.90	.87	.94	.90	.86	.92	.88	.85	.90	.87	.84	.88	.86	.83	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.87	.83	.81	.85	.82	.80	.79
6.0	.87	.82	.78	.86	.82	.78	.85	.81	.78	.83	.80	.77	.82	.79	.77	.76
7.0	.83	.79	.75	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.73
8.0	.80	.76	.72	.80	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.69	.76	.72	.69	.75	.71	.69	.68
10.0	.75	.71	.68	.75	.70	.67	.74	.70	.67	.73	.70	.67	.73	.69	.67	.66



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-09-04

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:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz		
UTHDi:0.18% ITHDi:8.28% KDisp:0.9490 Lamp Flux:1283.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	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	.156	.089	.028	.149	.085	.027	.137	.079	.025	.125	.072	.023	.115	.067	.021															
2.0	.147	.081	.025	.142	.078	.024	.131	.073	.023	.122	.068	.021	.113	.064	.020															
3.0	.138	.074	.022	.134	.072	.022	.125	.068	.021	.117	.064	.020	.109	.061	.019															
4.0	.130	.068	.020	.126	.066	.020	.119	.063	.019	.112	.060	.018	.105	.057	.017															
5.0	.123	.062	.018	.119	.061	.018	.113	.059	.017	.107	.056	.017	.101	.054	.016															
6.0	.116	.058	.017	.113	.057	.016	.107	.055	.016	.102	.053	.016	.097	.051	.015															
7.0	.110	.054	.015	.107	.053	.015	.102	.052	.015	.098	.050	.015	.093	.049	.014															
8.0	.104	.051	.014	.102	.050	.014	.098	.049	.014	.093	.047	.014	.090	.046	.013															
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.090	.045	.013	.086	.044	.013															
10.0	.094	.045	.013	.093	.045	.012	.089	.044	.012	.086	.043	.012	.083	.042	.012															

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	.170	.157	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.109	.085	.066	.075	.059	.047	.044	.035	.028	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.073	.045	.026	.051	.032	.019	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-09-04

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:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz										
UTHDi:0.18% ITHDi:8.28% KDisp:0.9490 Lamp Flux:1283.39x1 lm										
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W						TYPE:			WEIGHT:	
SPEC.:						DIM.:			SERIAL No.:	
MFR.: Norming lighting						SUR.: 70mm			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				
x = 2H y = 2H						19.2	20.0	19.4	20.2	20.3
3H						19.4	20.1	19.6	20.3	20.5
4H						19.3	20.0	19.6	20.2	20.4
6H						19.2	19.9	19.5	20.1	20.3
8H						19.2	19.8	19.5	20.0	20.3
12H						19.1	19.7	19.4	20.0	20.3
4H 2H						19.3	20.0	19.6	20.2	20.4
3H						19.5	20.0	19.8	20.3	20.6
4H						19.4	19.9	19.7	20.2	20.5
6H						19.3	19.8	19.7	20.1	20.5
8H						19.3	19.7	19.6	20.0	20.4
12H						19.2	19.6	19.6	20.0	20.4
8H 4H						19.2	19.7	19.6	20.0	20.4
6H						19.2	19.5	19.6	19.9	20.3
8H						19.1	19.4	19.6	19.9	20.3
12H						19.1	19.3	19.5	19.8	20.2
12H 4H						19.2	19.6	19.6	20.0	20.4
6H						19.1	19.4	19.6	19.9	20.3
8H						19.1	19.3	19.5	19.8	20.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H						+ 1.3 / - 1.9				
1.5H						+ 1.9 / - 1.2				
2.0H						+ 2.0 / - 1.9				

CIE Pub.117, 1283 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 0.9$ )  
Area: 0.0038 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-09-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz UTHDi:0.18% ITHDi:8.28% KDisp:0.9490 Lamp Flux:1283.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

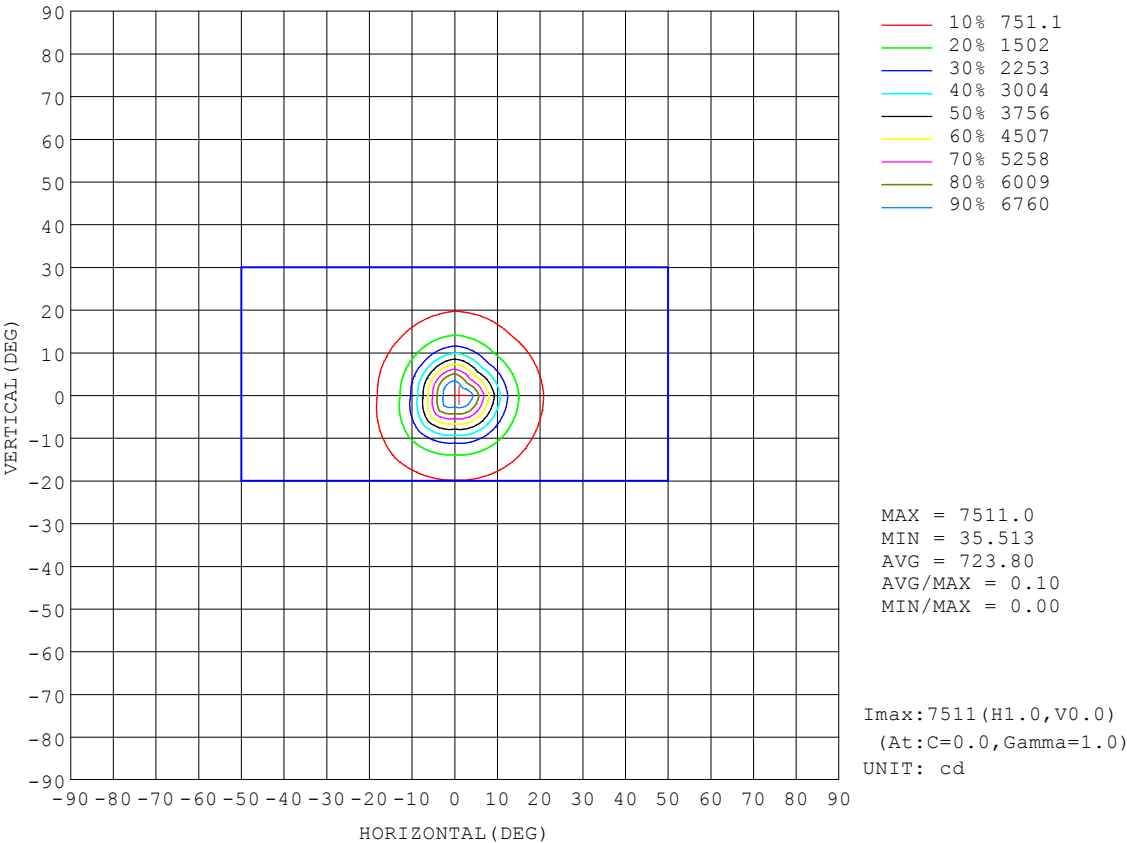
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	79	75	85	79	75	84	78	74	71
0.80	93	87	83	92	87	83	91	86	82	79
1.00	98	92	88	97	92	88	95	91	87	83
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	104	100	106	102	99	104	101	98	93
2.50	110	106	103	108	104	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: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-09-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  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:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz		
UTHDi:0.18% ITHDi:8.28% KDisp:0.9490 Lamp Flux:1283.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

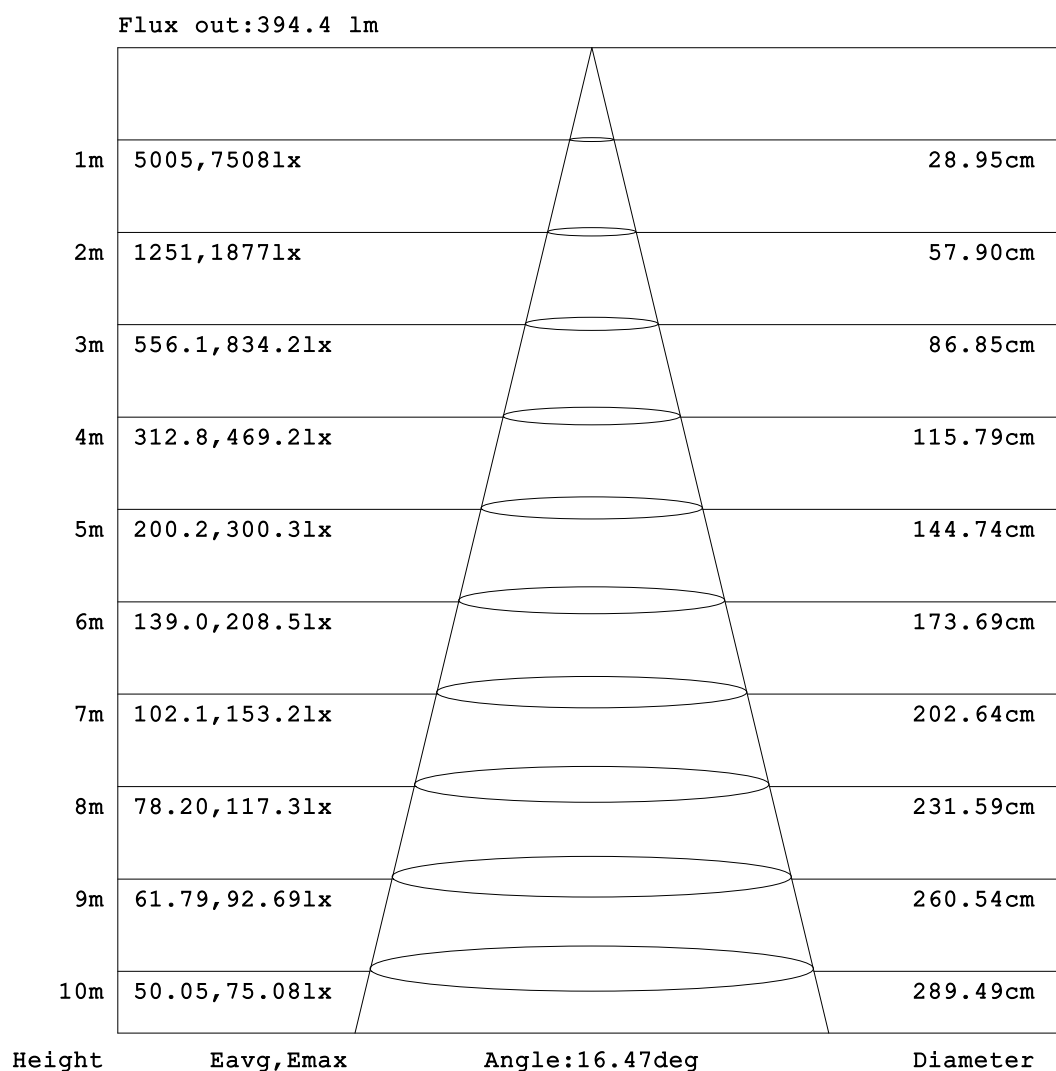


C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 45.0DEG	γ Interval: 1.0DEG
Test Speed: MEDIUM	Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:3.090m [K=1.0000]
Test Date:2024-09-04	Remarks:



## AAI Figure

Test:U:240.4V I:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz		
UTHDi:0.18% ITHDi:8.28% KDisp:0.9490 Lamp Flux:1283.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



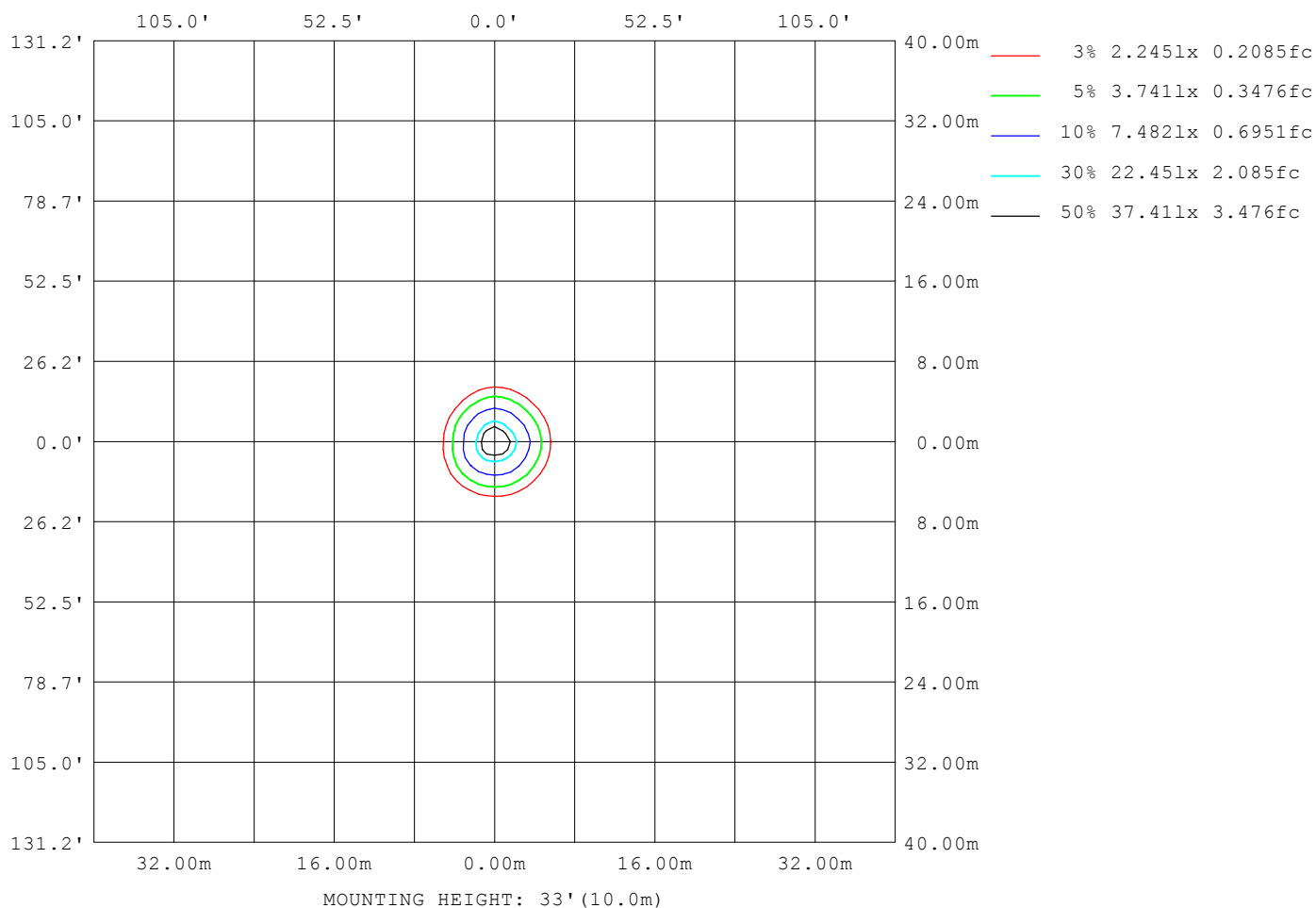
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-09-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz UTHDi:0.18% ITHDi:8.28% KDisp:0.9490 Lamp Flux:1283.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-09-04

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:0.0806A P:18.3W PF:0.9461 Freq:49.99Hz UTHDi:0.18% ITHDi:8.28% KDisp:0.9490 Lamp Flux:1283.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 2700K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

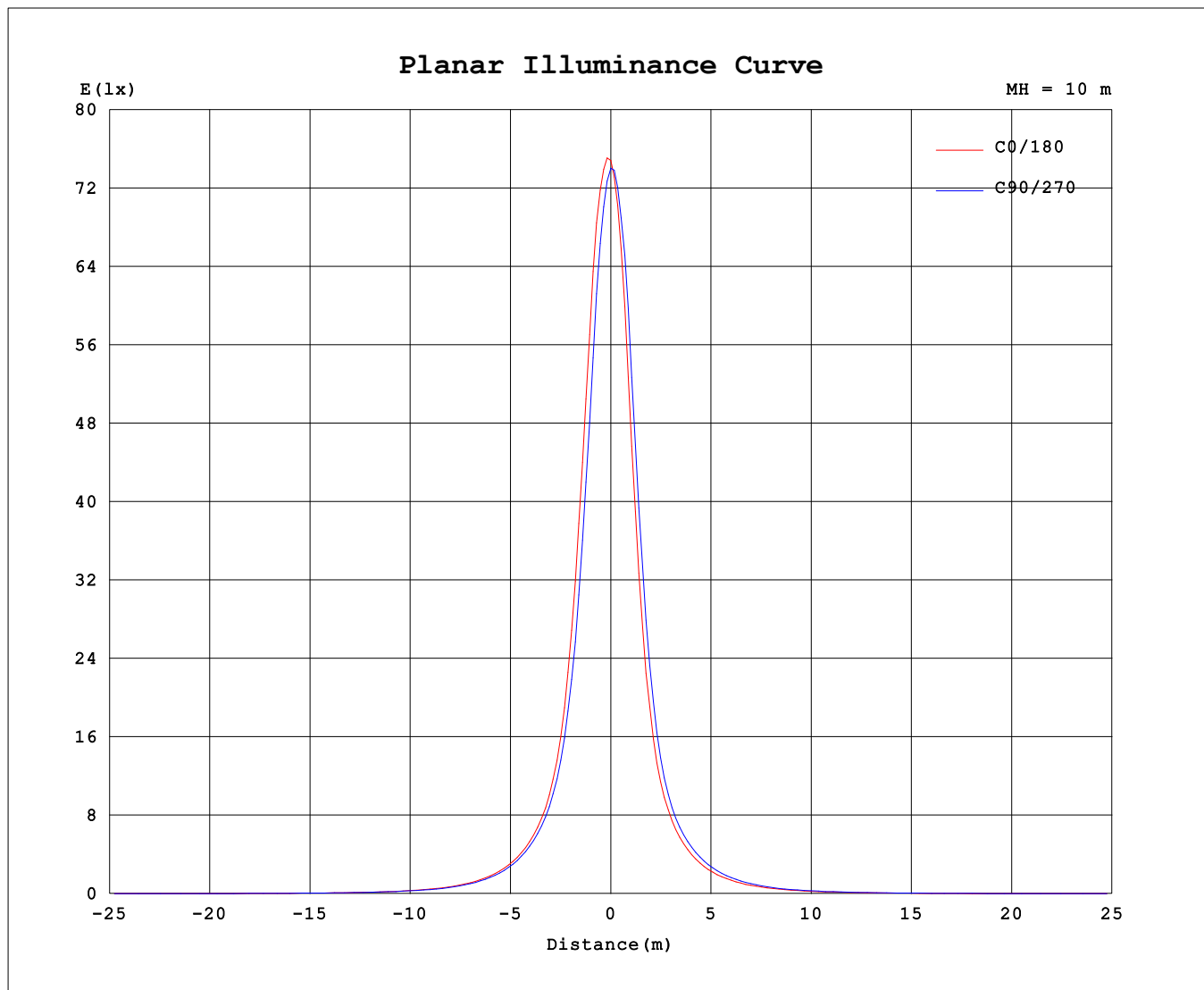
AvgL	cd/m2
L_0~180 (65) av	10513
L_0~180 (75) av	2119
L_0~180 (85) av	575
L_90~270 (65) av	10797
L_90~270 (75) av	2154
L_90~270 (85) av	540
L_45 (65) av	10590
L_45 (75) av	2145
L_45 (85) av	512

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-09-04

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: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-09-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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	7413	7413	7413	7413	7413	7413	7413	7413
3.0	7144	6969	6672	7037	6552	6760	6938	6612
6.0	5747	5407	4902	5502	4599	4888	5365	4793
9.0	3885	3617	3167	3642	2801	2968	3474	3057
12.0	2389	2233	1993	2236	1670	1782	2093	1890
15.0	1497	1435	1302	1421	1081	1135	1311	1219
18.0	1011	982.1	914.2	964.7	754.3	782.1	897.3	857.5
21.0	731.8	712.0	671.5	697.6	548.3	567.9	655.6	636.9
24.0	545.1	531.6	503.9	518.8	408.0	424.3	493.5	483.5
27.0	412.8	400.7	381.5	389.8	308.2	320.6	374.4	369.8
30.0	315.3	304.8	290.7	295.8	236.0	244.7	286.8	284.2
33.0	242.5	234.2	223.1	226.9	182.6	188.4	220.9	219.4
36.0	187.4	180.9	171.8	175.9	142.0	146.2	171.4	169.6
39.0	145.4	140.7	133.5	137.4	111.6	114.7	133.7	132.2
42.0	114.0	110.6	105.3	108.8	89.21	91.70	105.7	104.3
45.0	91.18	88.05	84.62	87.03	71.93	73.91	84.66	83.92
48.0	73.47	71.08	68.57	70.36	58.95	60.23	68.87	67.92
51.0	60.18	59.22	57.70	60.29	49.86	50.15	56.67	55.53
54.0	49.20	48.45	47.05	49.16	40.34	41.15	46.37	45.31
57.0	39.87	38.70	37.42	38.57	33.09	33.75	37.95	36.97
60.0	32.48	31.57	30.43	31.52	26.91	27.41	30.78	29.52
63.0	24.82	23.97	23.00	24.71	19.54	19.98	22.78	20.96
66.0	16.37	15.68	14.84	16.76	12.23	12.59	14.47	12.67
69.0	9.487	9.069	8.624	9.961	7.165	7.467	8.483	7.276
72.0	4.381	4.047	3.729	5.046	3.073	3.251	3.768	2.900
75.0	2.189	2.148	2.113	2.457	1.980	1.972	2.124	1.862
78.0	1.500	1.494	1.514	1.701	1.439	1.400	1.469	1.286
81.0	1.069	1.039	1.026	1.218	0.9459	0.9365	1.033	0.8367
84.0	0.4487	0.3425	0.2611	0.5081	0.1978	0.2118	0.3276	0.1708
87.0	0.1286	0.0929	0.1004	0.1096	0.0760	0.0737	0.1134	0.0630
90.0	0.0407	0.0275	0.0489	0.0280	0.0322	0.0278	0.0373	0.0316

C Range: 0 - 360DEG  
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$\gamma$  Range: 0 - 90DEG  
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Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks: