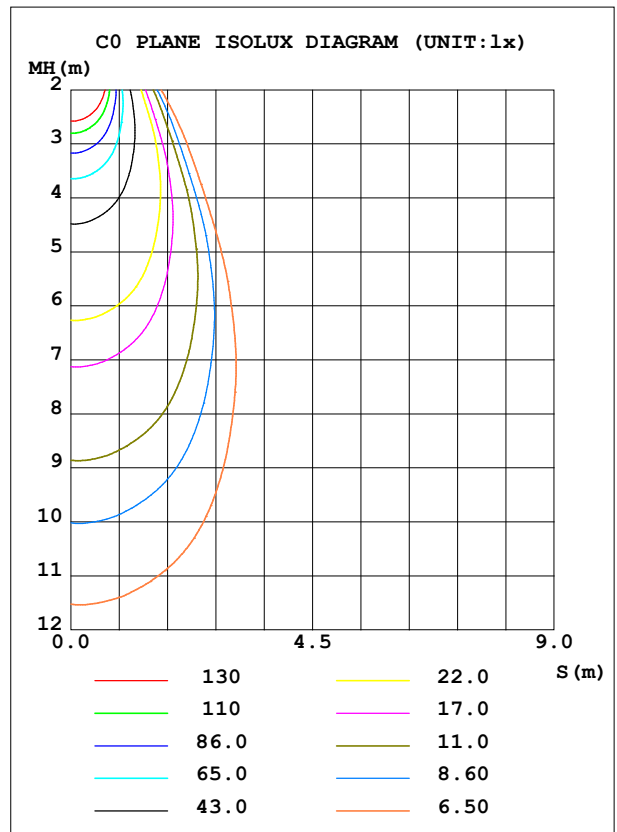
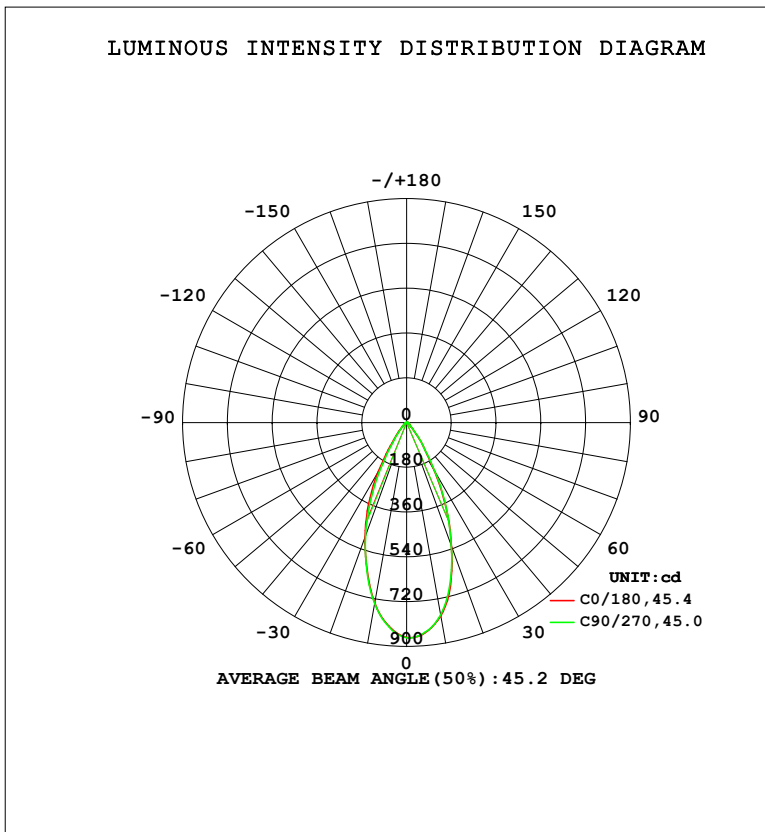


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	866.5	S/MH (C0/180)	0.70
NOMINAL POWER (W)	7	LOR (%)	100.0	S/MH (C90/270)	0.69
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	542.86	η UP, DN (C0-180)	0.0, 51.9
NOMINAL FLUX (lm)	542.862	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 48.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.75



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

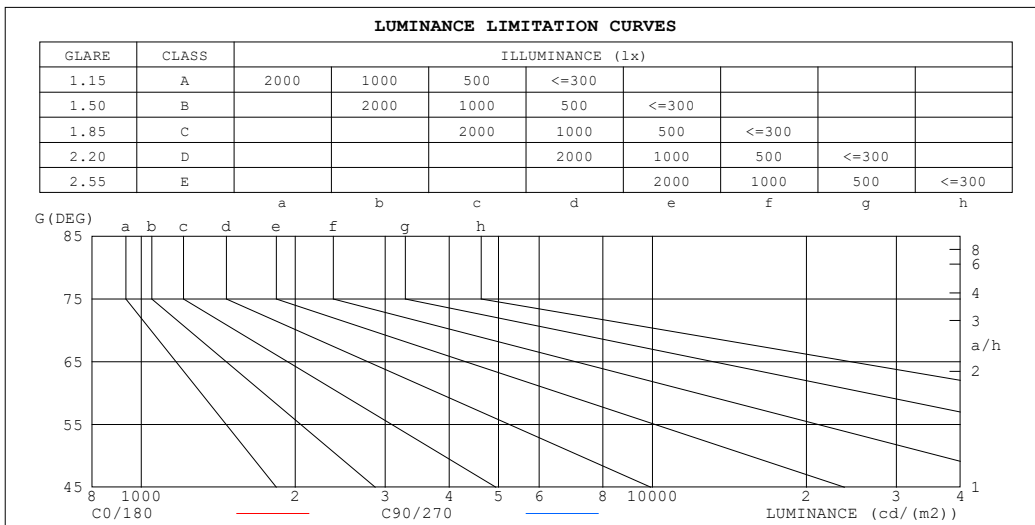
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	790.1	795.1	785.6	762.2	737.2	725.2	740.3	770.4	0- 10	77.48	77.48	14.3,14.3
20	528.9	537.9	526.3	511.6	490.2	476.5	483.4	507.9	10- 20	178.6	256.1	47.2,47.2
30	224.7	235.5	233.7	240.0	233.0	214.2	199.5	212.3	20- 30	165.7	421.8	77.7,77.7
40	59.28	62.86	62.46	63.08	59.96	53.12	49.78	54.25	30- 40	75.52	497.3	91.6,91.6
50	17.70	17.58	18.28	18.85	18.45	17.37	16.99	17.35	40- 50	24.61	522.0	96.1,96.1
60	8.522	8.864	9.203	9.179	8.897	8.477	8.297	8.292	50- 60	11.24	533.2	98.2,98.2
70	3.730	3.910	4.118	4.295	4.335	4.117	3.883	3.718	60- 70	6.114	539.3	99.3,99.3
80	1.393	1.507	1.638	1.714	1.694	1.552	1.439	1.367	70- 80	2.854	542.2	99.9,99.9
90	0.0350	0.0324	0.0335	0.0313	0.0275	0.0264	0.0238	0.0253	80- 90	0.7036	542.9	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		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	55	73
80	72	85
75	85	96
70	98	108
65	124	140
60	153	166
55	191	200
50	248	256
45	379	397

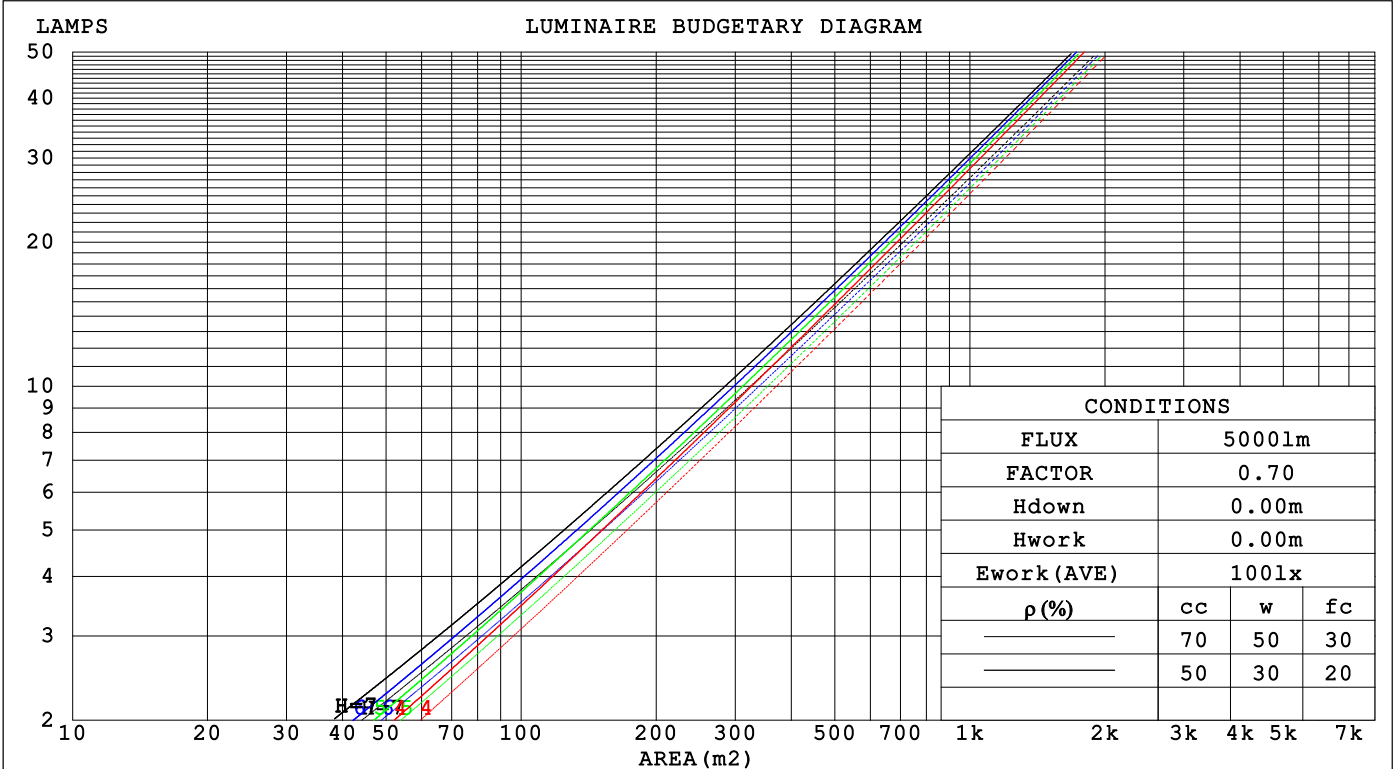
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	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	1.19	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	1.11	1.08	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.96	.95	.94
2.0	1.03	.00	.96	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.85	.88	.86	.83	.82
4.0	.91	.86	.82	.90	.85	.81	.88	.83	.80	.86	.82	.79	.84	.81	.78	.77
5.0	.86	.80	.76	.85	.80	.76	.83	.78	.75	.81	.77	.74	.80	.76	.74	.72
6.0	.81	.75	.71	.80	.75	.71	.79	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.77	.71	.67	.76	.70	.67	.75	.70	.66	.73	.69	.66	.72	.69	.66	.64
8.0	.73	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.61
9.0	.69	.63	.60	.69	.63	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.58
10.0	.66	.60	.57	.65	.60	.57	.65	.60	.56	.64	.59	.56	.63	.59	.56	.55



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	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	.176	.100	.032	.169	.096	.031	.156	.090	.029	.145	.084	.027	.134	.078	.025	
2.0	.167	.091	.028	.161	.089	.027	.151	.084	.026	.141	.079	.025	.132	.075	.024	
3.0	.158	.084	.025	.153	.082	.025	.144	.078	.024	.136	.074	.023	.128	.071	.022	
4.0	.150	.078	.023	.146	.076	.023	.138	.073	.022	.131	.070	.021	.124	.067	.021	
5.0	.142	.072	.021	.138	.071	.021	.132	.069	.020	.125	.066	.020	.120	.064	.019	
6.0	.135	.068	.019	.132	.067	.019	.126	.065	.019	.121	.063	.018	.115	.061	.018	
7.0	.129	.064	.018	.126	.063	.018	.121	.061	.018	.116	.059	.017	.111	.058	.017	
8.0	.123	.060	.017	.120	.059	.017	.116	.058	.017	.111	.056	.016	.107	.055	.016	
9.0	.118	.057	.016	.115	.056	.016	.111	.055	.016	.107	.054	.015	.104	.053	.015	
10.0	.113	.054	.015	.111	.053	.015	.107	.052	.015	.103	.051	.015	.100	.050	.014	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.132	.099	.073	.114	.085	.064	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.123	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.099	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.109	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.089	.055	.032	.061	.039	.023	.036	.023	.014	.012	.008	.004	
9.0	.098	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	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	6.5	7.4	6.7	7.6	7.8	6.6	7.5	6.8	7.7	7.8
3H	6.6	7.4	6.8	7.6	7.8	6.7	7.5	7.0	7.7	7.9
4H	6.6	7.4	6.9	7.6	7.8	6.7	7.5	7.0	7.7	8.0
6H	6.6	7.3	6.9	7.6	7.8	6.7	7.5	7.0	7.7	8.0
8H	6.6	7.3	6.9	7.5	7.8	6.7	7.5	7.0	7.7	8.0
12H	6.5	7.2	6.9	7.5	7.8	6.7	7.4	7.0	7.7	8.0
4H 2H	6.4	7.2	6.7	7.5	7.7	6.5	7.3	6.8	7.5	7.8
3H	6.6	7.3	6.9	7.5	7.8	6.7	7.4	7.0	7.7	7.9
4H	6.6	7.3	7.0	7.6	7.9	6.8	7.4	7.1	7.7	8.0
6H	6.7	7.2	7.1	7.6	7.9	6.8	7.4	7.2	7.7	8.1
8H	6.7	7.2	7.1	7.5	7.9	6.9	7.4	7.3	7.7	8.1
12H	6.7	7.1	7.1	7.5	7.9	6.9	7.3	7.3	7.7	8.1
8H 4H	6.6	7.1	7.0	7.5	7.8	6.7	7.2	7.1	7.6	8.0
6H	6.7	7.1	7.1	7.5	7.9	6.8	7.3	7.3	7.7	8.1
8H	6.7	7.1	7.1	7.5	7.9	6.9	7.3	7.3	7.7	8.1
12H	6.7	7.0	7.2	7.4	7.9	6.9	7.2	7.4	7.7	8.1
12H 4H	6.6	7.0	7.0	7.4	7.8	6.7	7.2	7.1	7.5	7.9
6H	6.6	7.0	7.1	7.4	7.9	6.8	7.2	7.3	7.6	8.0
8H	6.7	7.0	7.1	7.4	7.9	6.9	7.2	7.3	7.6	8.1

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 2.1 / - 2.9	+ 2.0 / - 2.7
1.5H	+ 3.8 / - 2.3	+ 3.7 / - 2.2
2.0H	+ 2.3 / - 1.3	+ 2.4 / - 1.1

CIE Pub.117, 542.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.1)
 Area: 0.111111 m2

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Temperature:25.3°C	Humidity:65.0%
Operators:	Test Distance:3.090m [K=1.0000]
Test Date:2023-04-12	Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

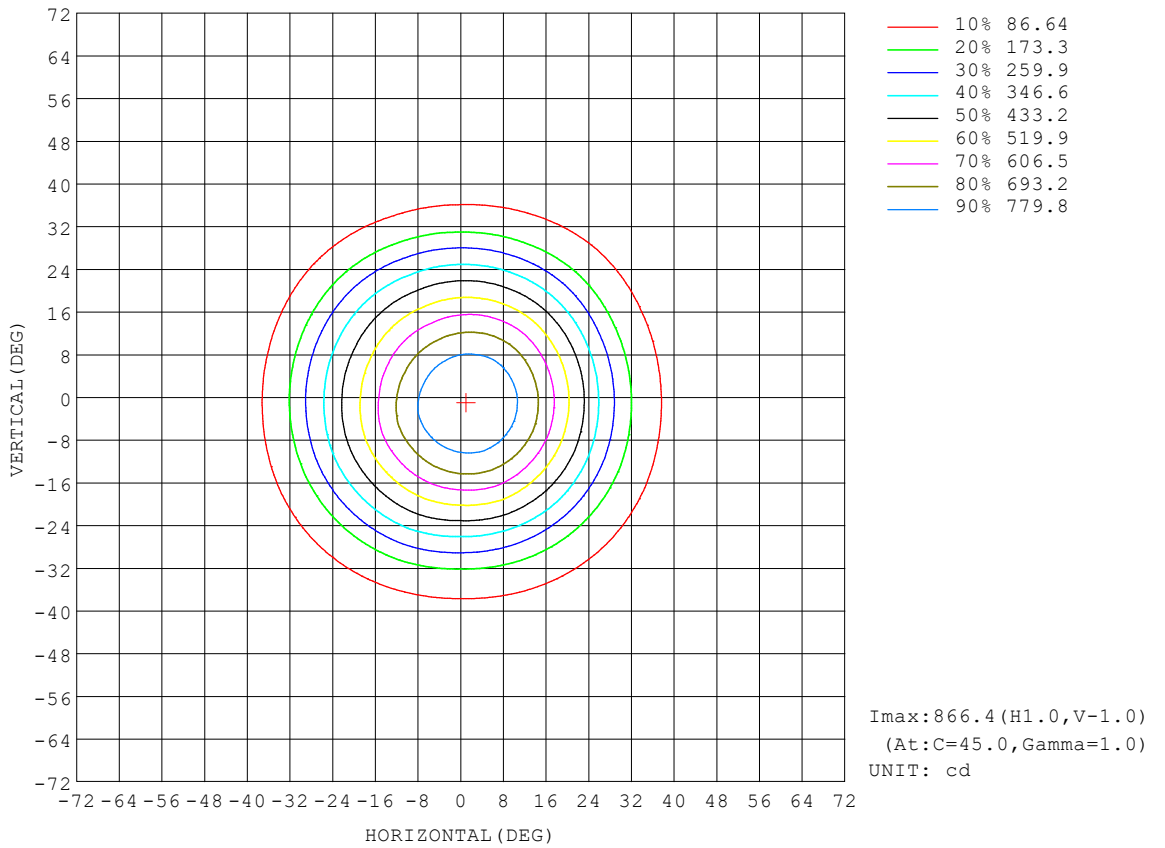
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	87	84	92	87	83	80
1.00	98	93	89	98	92	89	96	92	88	84
1.25	102	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
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	107	104	106	104	102	95
4.00	114	111	108	111	109	107	108	106	104	97
5.00	115	112	111	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: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

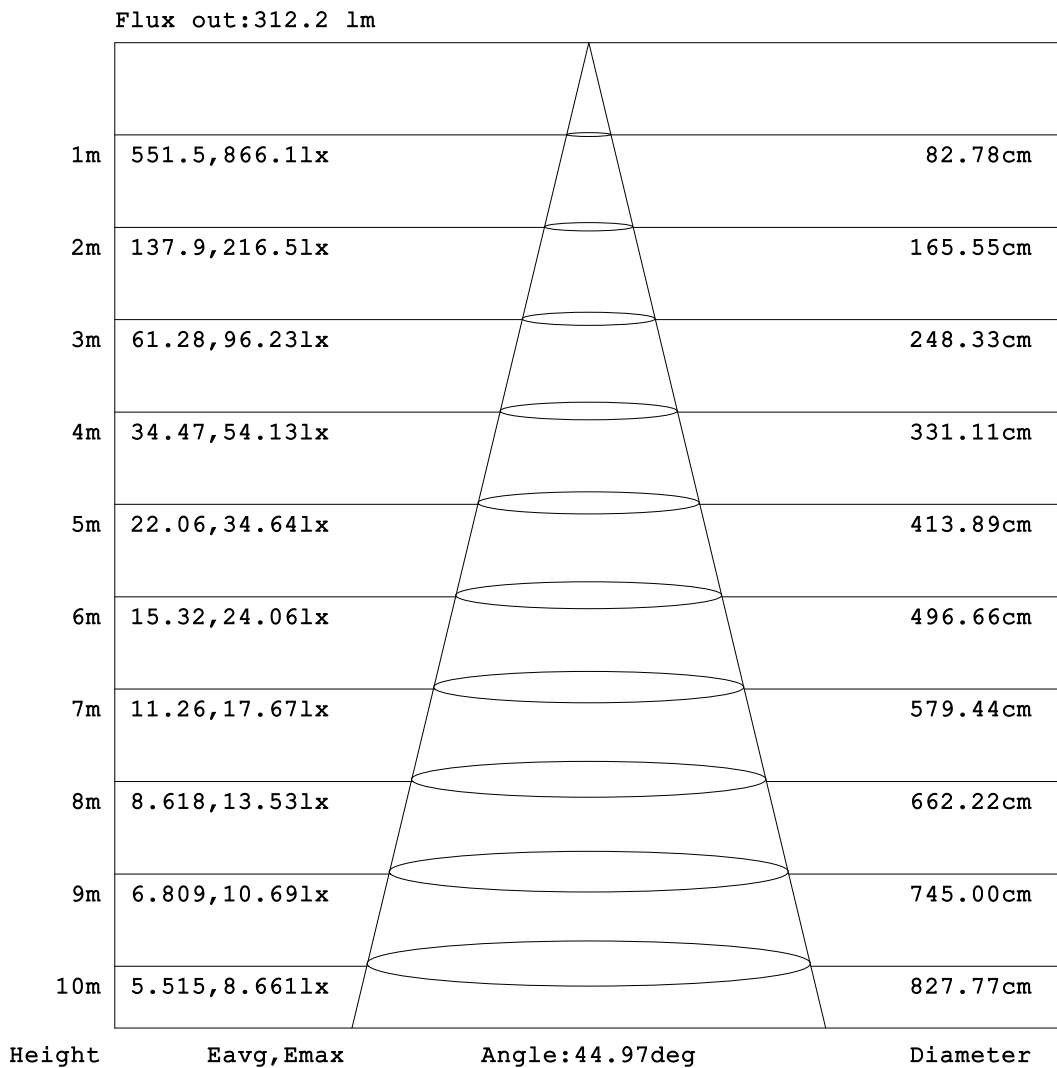


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



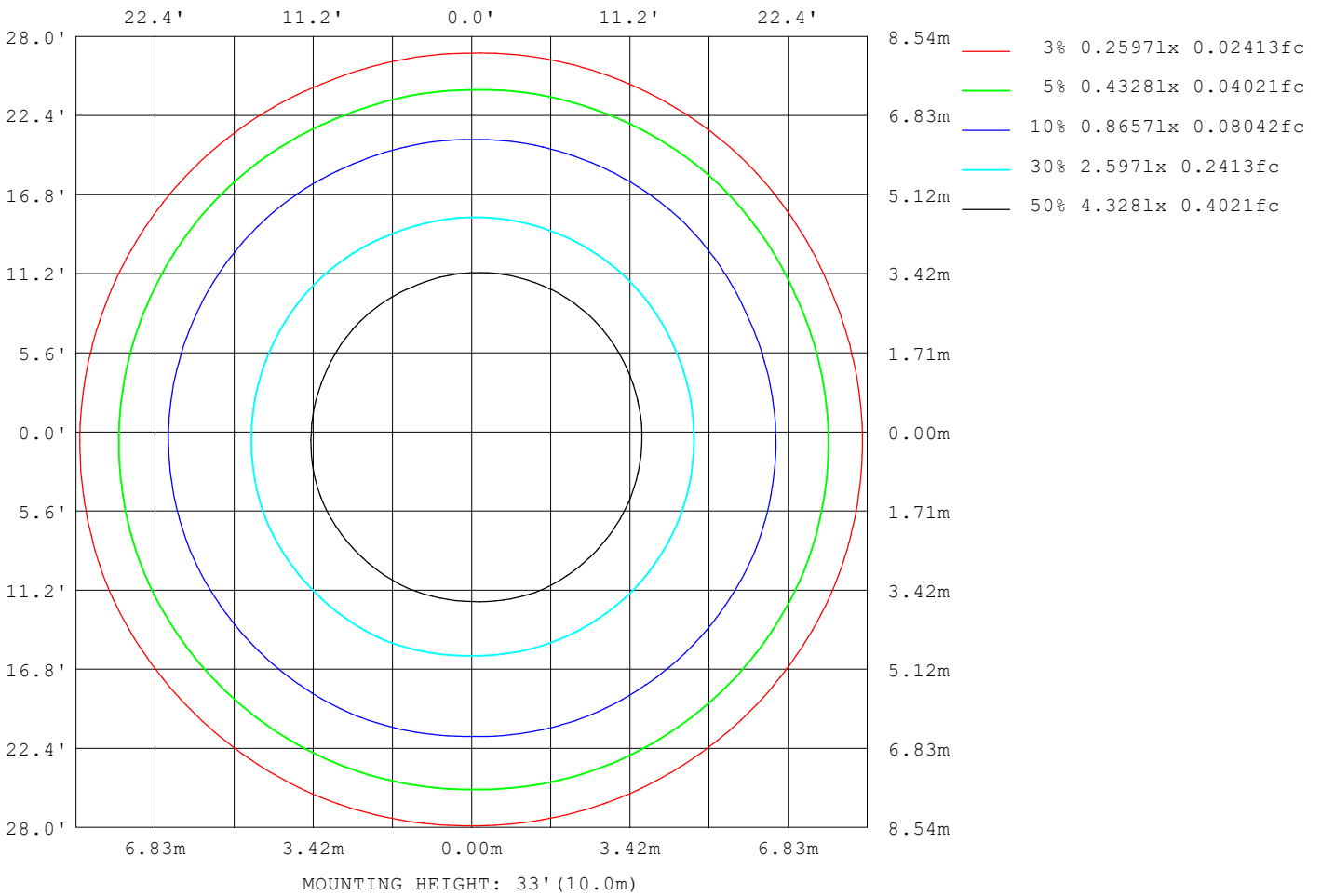
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

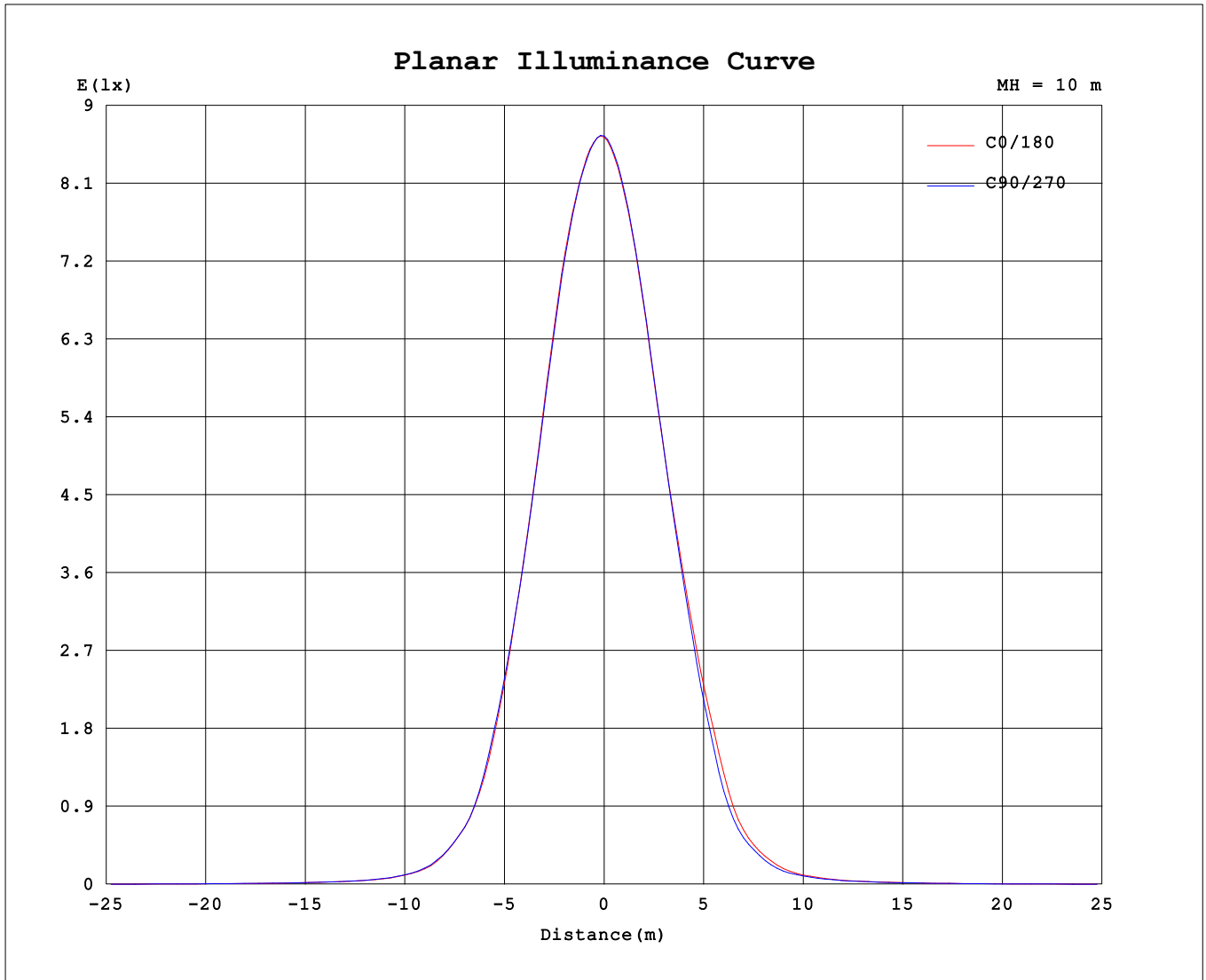
AvgL	cd/m2
L_0~180 (65) av	131
L_0~180 (75) av	93
L_0~180 (85) av	63
L_90~270 (65) av	132
L_90~270 (75) av	93
L_90~270 (85) av	63
L_45 (65) av	131
L_45 (75) av	93
L_45 (85) av	62

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2023-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.79V I:0.0597A P:6.8366W PF:0.9559 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:542.862x1 lm		
NAME: ASD-CD-PR-1D7AC-WH	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	863	864	864	864	865	865	866	866	863	864	864	864	865	865	866	866			
5	849	853	853	852	847	842	835	830	821	817	816	819	825	832	839	844			
10	790	795	795	794	786	775	762	753	737	727	725	728	740	754	770	780			
15	681	691	691	687	675	661	646	635	615	605	604	604	618	636	655	667			
20	529	536	538	540	526	522	512	504	490	479	476	474	483	494	508	518			
25	375	387	391	386	379	386	379	375	363	353	347	339	343	349	358	364			
30	225	235	235	237	234	242	240	240	233	223	214	202	199	204	212	211			
35	120	126	126	125	120	121	120	119	115	110	104	99.3	98.3	104	110	113			
40	59.3	62.5	62.9	63.2	62.5	63.4	63.1	62.8	60.0	56.2	53.1	49.9	49.8	52.0	54.2	54.9			
45	29.8	30.1	30.0	30.8	31.2	31.7	31.6	32.1	30.6	29.4	28.4	27.3	27.5	28.1	28.5	28.8			
50	17.7	17.6	17.6	18.0	18.3	18.7	18.9	19.0	18.5	17.8	17.4	17.0	17.0	17.2	17.3	17.4			
55	12.2	12.3	12.3	12.5	12.7	12.9	13.0	13.1	12.8	12.4	12.0	11.8	11.8	11.9	11.9	11.9			
60	8.52	8.71	8.86	9.10	9.20	9.26	9.18	9.17	8.90	8.64	8.48	8.29	8.30	8.27	8.29	8.29			
65	5.84	6.10	6.24	6.46	6.58	6.66	6.63	6.63	6.47	6.27	6.09	5.88	5.80	5.72	5.68	5.61			
70	3.73	3.82	3.91	4.03	4.12	4.22	4.30	4.39	4.34	4.22	4.12	3.97	3.88	3.79	3.72	3.66			
75	2.46	2.53	2.60	2.70	2.77	2.85	2.91	2.97	2.91	2.82	2.74	2.62	2.56	2.48	2.44	2.40			
80	1.39	1.45	1.51	1.59	1.64	1.68	1.71	1.75	1.69	1.61	1.55	1.47	1.44	1.39	1.37	1.34			
85	0.53	0.57	0.62	0.67	0.70	0.72	0.73	0.74	0.69	0.63	0.58	0.53	0.51	0.49	0.49	0.48			
90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.03			

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 γ Interval: 1.0DEG
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