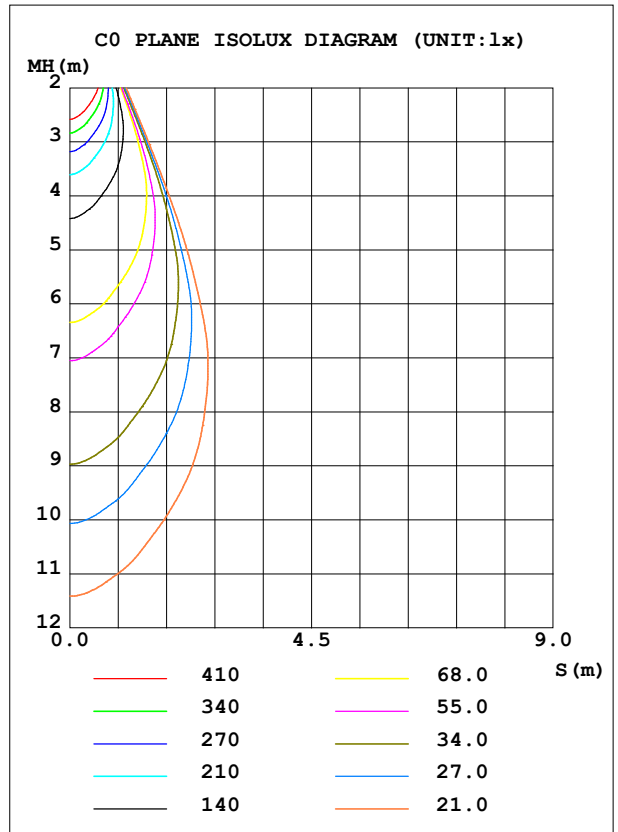
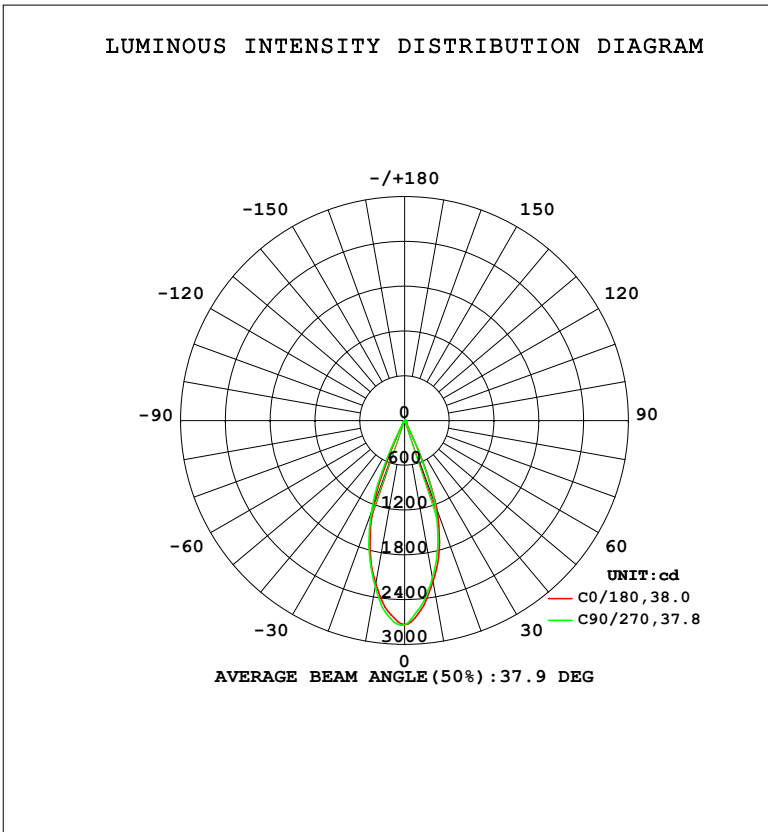


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	AD-3-S15W-FC-5CCT-WH	Imax (cd)	2746	S/MH (C0/180)	0.58
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.61
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1021.8	η UP, DN (C0-180)	0.0, 48.7
NOMINAL FLUX (lm)	1021.84	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

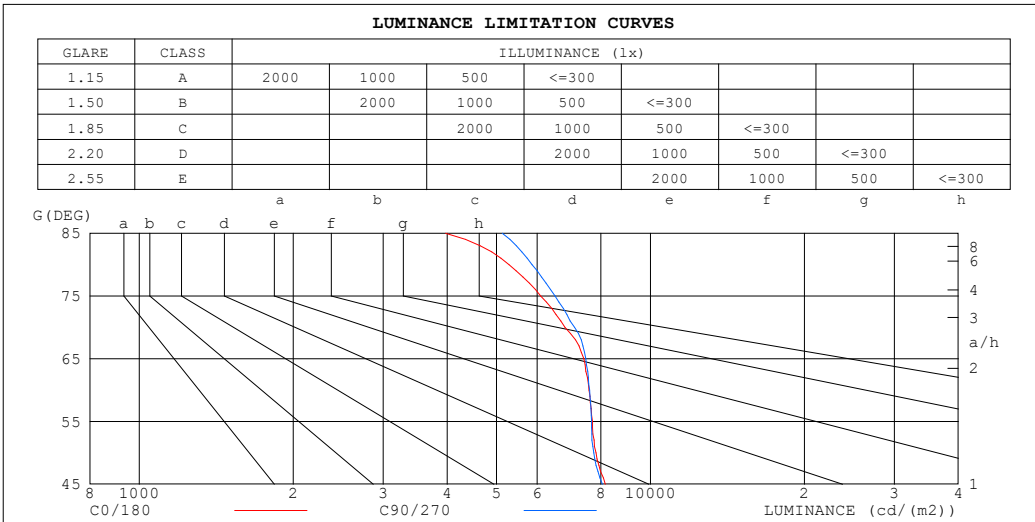
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2194	2158	2147	2184	2223	2274	2263	2216	0- 10	232.8	232.8	22.8,22.8
20	1266	1194	1192	1203	1234	1300	1309	1284	10- 20	485.7	718.5	70.3,70.3
30	69.90	55.60	56.75	59.58	60.43	67.22	68.29	63.52	20- 30	226.0	944.5	92.4,92.4
40	26.66	25.84	26.31	27.93	27.75	27.66	27.44	26.36	30- 40	22.64	967.2	94.6,94.6
50	19.35	18.94	19.14	20.57	21.09	20.79	20.10	19.46	40- 50	17.75	984.9	96.4,96.4
60	14.57	14.27	14.62	15.46	16.17	15.96	15.05	14.74	50- 60	15.67	1001	97.9,97.9
70	8.956	8.842	9.351	9.683	9.546	9.929	9.946	9.305	60- 70	12.31	1013	99.1,99.1
80	3.533	3.517	3.919	4.356	4.351	4.380	4.169	3.739	70- 80	6.964	1020	99.8,99.8
90	0.0819	0.0680	0.0810	0.1515	0.1311	0.0494	0.0587	0.0505	80- 90	1.993	1022	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:24.3 °C
 Operators:
 Test Date:2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.087m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3974	5129
80	5289	5868
75	6101	6502
70	6808	7108
65	7404	7475
60	7576	7600
55	7698	7666
50	7825	7741
45	8163	8051

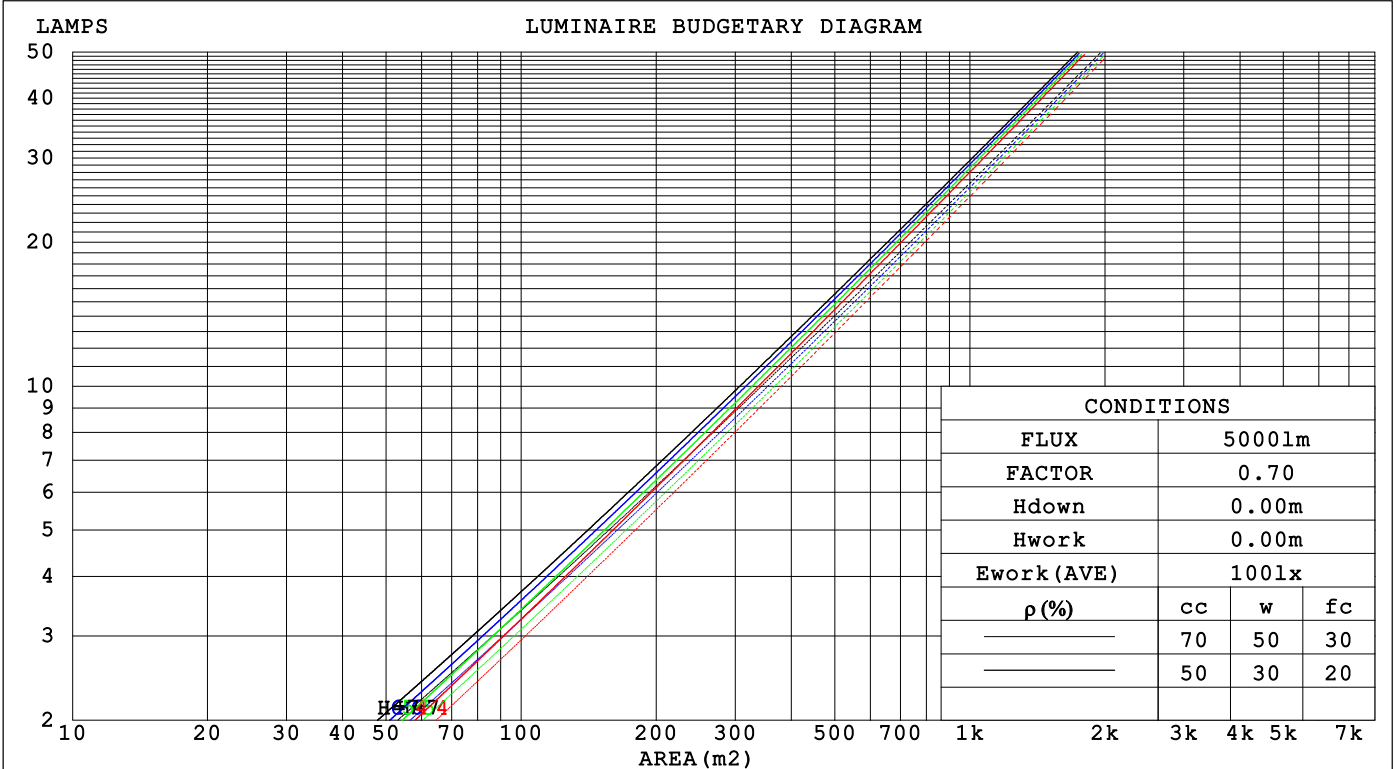
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	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	1.12	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	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.91	.94	.91	.89	.92	.90	.88	.86
4.0	.95	.91	.87	.94	.90	.87	.92	.89	.86	.90	.87	.85	.89	.86	.84	.83
5.0	.91	.86	.83	.90	.86	.83	.89	.85	.82	.87	.84	.81	.86	.83	.81	.79
6.0	.87	.83	.79	.87	.82	.79	.85	.81	.78	.84	.81	.78	.83	.80	.77	.76
7.0	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.78	.75	.80	.77	.74	.73
8.0	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.75	.72	.77	.74	.72	.71
9.0	.78	.73	.70	.77	.73	.70	.77	.73	.70	.76	.72	.69	.75	.72	.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: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3 °C
 Operators:
 Test Date:2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.087m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	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	.157	.089	.028	.150	.086	.027	.138	.079	.025	.127	.073	.023	.116	.067	.022	
2.0	.146	.080	.025	.141	.078	.024	.130	.072	.023	.121	.068	.021	.112	.063	.020	
3.0	.136	.073	.022	.132	.071	.021	.123	.067	.020	.115	.063	.019	.108	.060	.018	
4.0	.128	.066	.020	.124	.065	.019	.117	.062	.018	.110	.059	.018	.103	.056	.017	
5.0	.121	.061	.018	.117	.060	.018	.111	.058	.017	.105	.055	.016	.099	.053	.016	
6.0	.114	.057	.016	.111	.056	.016	.106	.054	.016	.100	.052	.015	.096	.050	.015	
7.0	.108	.054	.015	.106	.053	.015	.101	.051	.015	.096	.049	.014	.092	.048	.014	
8.0	.103	.050	.014	.101	.050	.014	.097	.048	.014	.093	.047	.014	.089	.046	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.089	.045	.013	.086	.044	.013	
10.0	.094	.045	.013	.093	.045	.012	.089	.044	.012	.086	.043	.012	.083	.042	.012	

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	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.064	.100	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.076	.053	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.101	.068	.046	.087	.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	.089	.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: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3°C
 Operators:
 Test Date:2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.087m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	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	11.9	12.7	12.1	12.8	13.0	11.9	12.7	12.1	12.8	13.0
3H	13.5	14.2	13.7	14.4	14.6	13.5	14.2	13.8	14.4	14.6
4H	14.1	14.7	14.3	14.9	15.2	14.2	14.8	14.4	15.0	15.3
6H	14.4	15.1	14.7	15.3	15.6	14.6	15.2	14.9	15.5	15.7
8H	14.6	15.2	14.9	15.4	15.7	14.8	15.4	15.1	15.6	15.9
12H	14.6	15.2	14.9	15.5	15.7	14.8	15.4	15.2	15.7	16.0
4H 2H	12.6	13.3	12.9	13.5	13.7	12.6	13.3	12.8	13.5	13.7
3H	14.3	14.9	14.6	15.2	15.4	14.4	14.9	14.7	15.2	15.5
4H	15.0	15.5	15.3	15.8	16.1	15.1	15.6	15.4	15.9	16.2
6H	15.5	15.9	15.8	16.3	16.6	15.6	16.1	16.0	16.4	16.8
8H	15.6	16.0	16.0	16.4	16.8	15.8	16.3	16.2	16.6	17.0
12H	15.7	16.1	16.1	16.5	16.8	15.9	16.3	16.3	16.7	17.1
8H 4H	15.2	15.7	15.6	16.0	16.4	15.3	15.7	15.7	16.1	16.5
6H	15.8	16.2	16.2	16.6	17.0	16.0	16.3	16.4	16.7	17.1
8H	16.0	16.3	16.5	16.8	17.2	16.2	16.5	16.7	17.0	17.4
12H	16.1	16.4	16.6	16.9	17.3	16.4	16.7	16.9	17.1	17.6
12H 4H	15.2	15.6	15.6	16.0	16.4	15.3	15.7	15.7	16.1	16.5
6H	15.8	16.2	16.3	16.6	17.0	16.0	16.3	16.4	16.7	17.2
8H	16.1	16.3	16.5	16.8	17.3	16.3	16.5	16.7	17.0	17.5

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.2 / - 0.2	+ 0.1 / - 0.2
1.5H	+ 0.1 / - 0.2	+ 0.1 / - 0.2
2.0H	+ 0.2 / - 0.3	+ 0.1 / - 0.2

CIE Pub.117, 1022 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.1)
 Area: 0.0038465 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:24.3°C	Humidity:65.0%
Operators:	Test Distance:3.087m [K=1.0000]
Test Date:2024-09-22	Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	SUR.:	Shielding Angle:

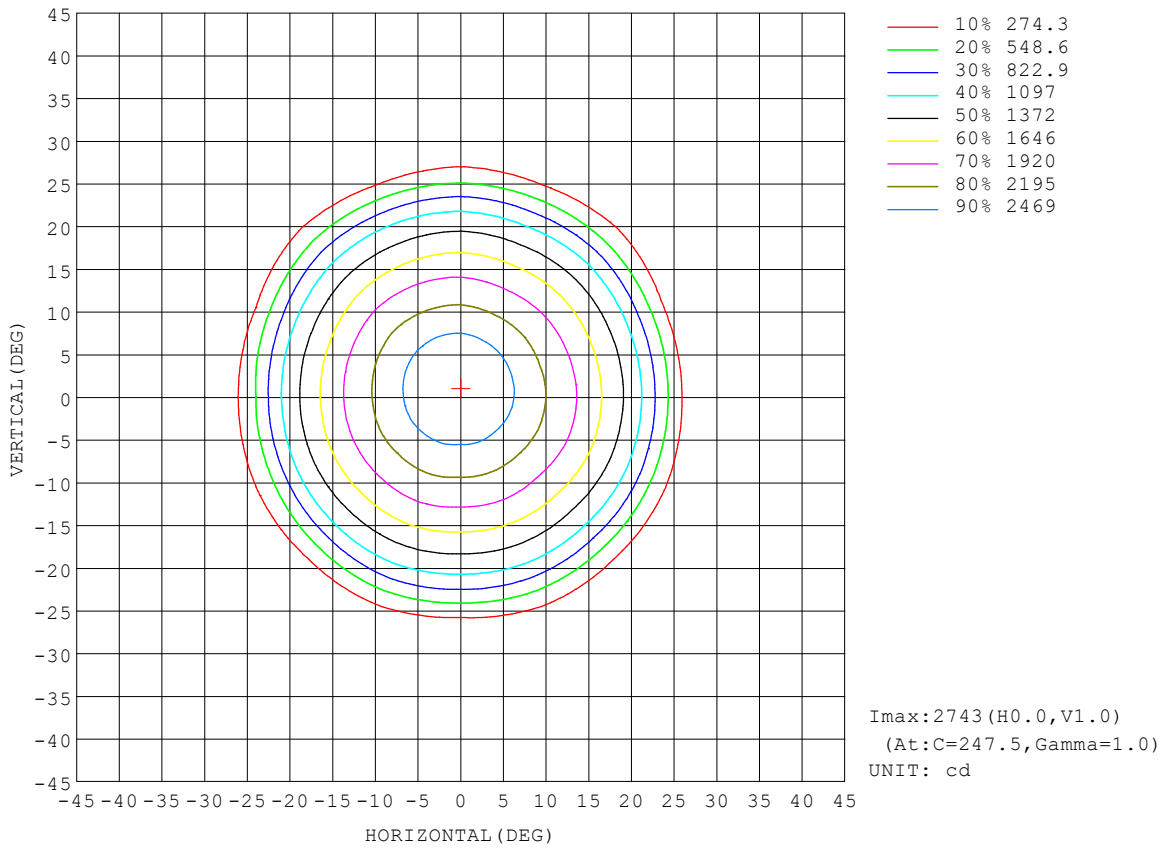
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	88	82	78	87	82	78	75
0.80	95	90	86	95	89	86	94	89	86	82
1.00	100	94	90	99	94	90	97	93	90	86
1.25	103	98	95	102	98	94	100	97	94	90
1.50	106	101	98	105	101	98	103	99	96	92
2.00	109	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
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: 24.3 °C
 Operators:
 Test Date: 2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	SUR.:	Shielding Angle:

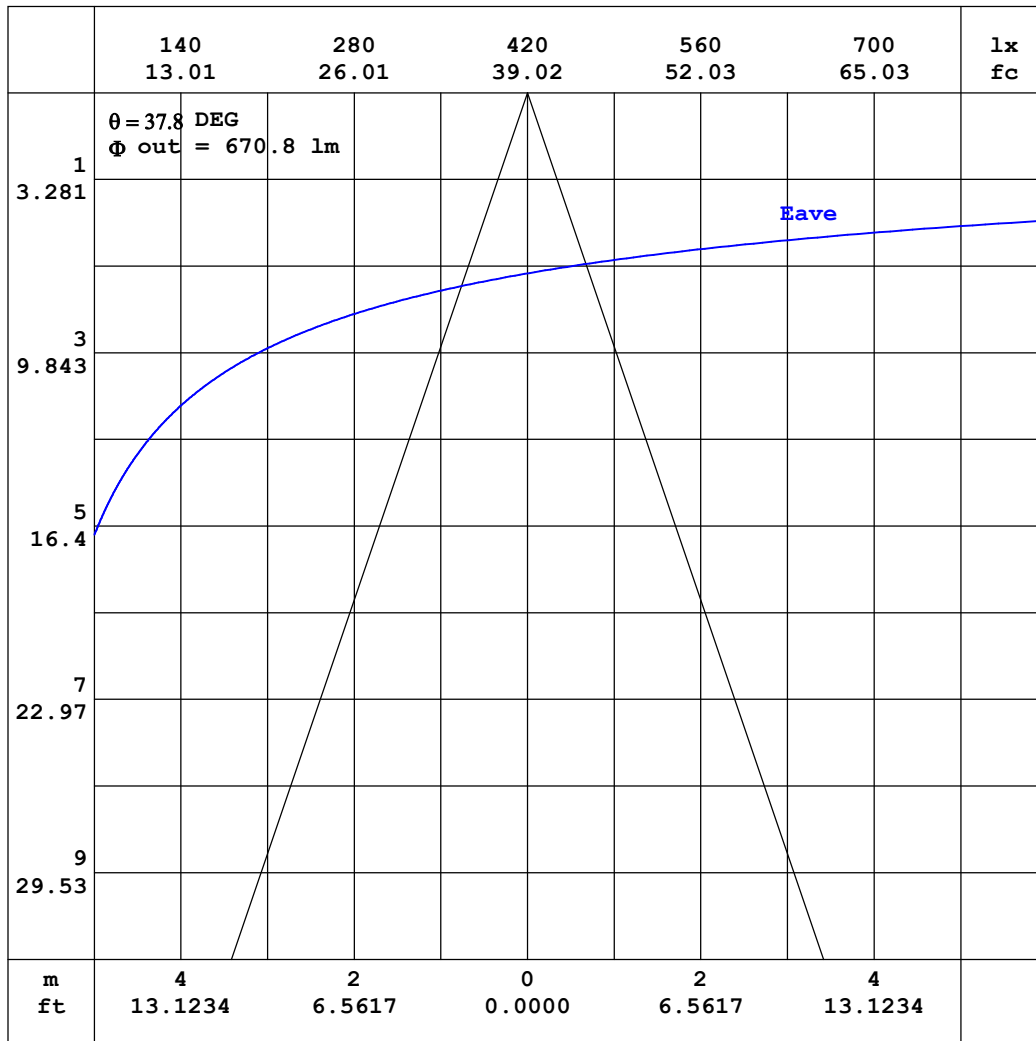


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3°C
 Operators:
 Test Date:2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.087m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	SUR.:	Shielding Angle:



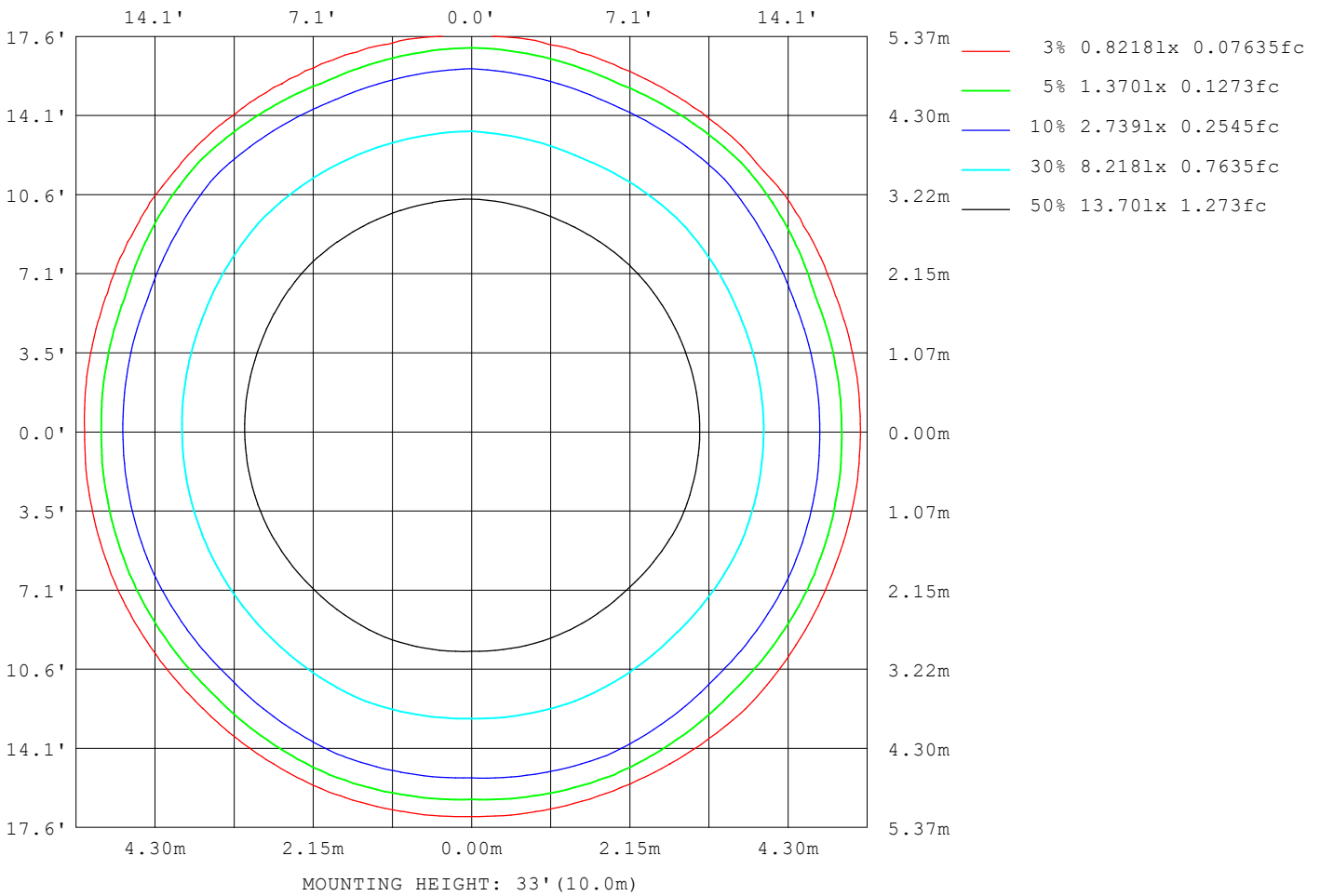
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	SUR.:	Shielding Angle:

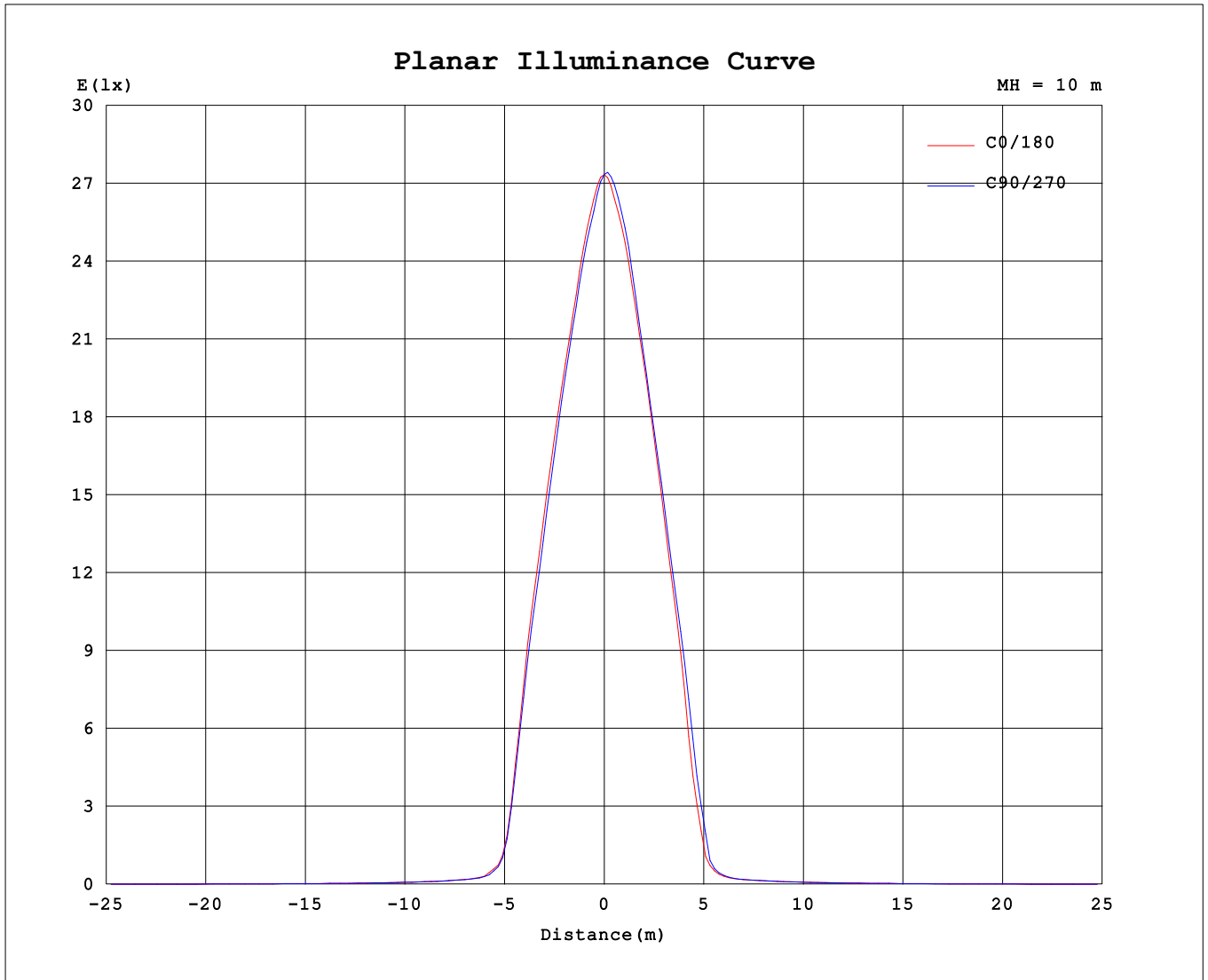
AvgL	cd/m2
L_0~180 (65) av	7857
L_0~180 (75) av	6465
L_0~180 (85) av	5089
L_90~270 (65) av	7602
L_90~270 (75) av	6708
L_90~270 (85) av	5312
L_45 (65) av	7670
L_45 (75) av	6580
L_45 (85) av	5264

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.087m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2024-09-22

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.79V I:0.1167A P:13.791W PF:0.9864 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1021.84x1 lm		
NAME: AD-3-S15W-FC-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Light by Lotus	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	2734	2733	2732	2736	2735	2740	2741	2742	2734	2733	2732	2736	2735	2740	2741	2742			
5	2547	2530	2512	2510	2501	2514	2528	2552	2565	2581	2599	2610	2618	2602	2582	2558			
10	2194	2181	2158	2155	2147	2172	2184	2208	2223	2247	2274	2268	2263	2231	2216	2194			
15	1797	1784	1738	1735	1724	1757	1757	1783	1797	1818	1852	1844	1838	1804	1802	1793			
20	1266	1241	1194	1200	1192	1211	1203	1225	1234	1256	1300	1302	1309	1272	1284	1269			
25	419	416	396	440	396	419	382	410	415	443	545	546	561	513	489	419			
30	69.9	59.5	55.6	56.3	56.7	59.4	59.6	63.3	60.4	70.2	67.2	77.6	68.3	72.8	63.5	68.4			
35	34.3	33.7	32.7	32.9	33.7	34.9	35.2	35.6	33.7	33.7	33.8	33.8	34.0	33.1	32.8	32.4			
40	26.7	26.4	25.8	25.9	26.3	27.4	27.9	28.2	27.7	27.7	27.7	27.6	27.4	26.5	26.4	26.1			
45	22.2	22.0	21.6	21.6	21.9	22.9	23.5	23.8	24.0	23.9	23.7	23.6	23.2	22.4	22.3	22.2			
50	19.3	19.1	18.9	19.0	19.1	19.8	20.6	20.9	21.1	21.1	20.8	20.6	20.1	19.6	19.5	19.5			
55	17.0	16.8	16.6	16.7	16.9	17.3	18.0	18.4	18.6	18.6	18.4	18.1	17.5	17.2	17.1	17.0			
60	14.6	14.4	14.3	14.4	14.6	14.9	15.5	15.9	16.2	16.2	16.0	15.6	15.1	14.9	14.7	14.6			
65	12.0	11.8	11.7	11.9	12.2	12.4	12.7	13.1	13.5	13.6	13.3	12.8	12.6	12.4	12.3	12.1			
70	8.96	8.85	8.84	9.12	9.35	9.68	9.68	9.57	9.55	9.77	9.93	9.83	9.95	9.60	9.31	9.08			
75	6.07	6.02	6.04	6.25	6.47	6.76	6.91	6.86	6.80	6.79	6.89	6.97	6.88	6.56	6.36	6.18			
80	3.53	3.48	3.52	3.71	3.92	4.18	4.36	4.36	4.35	4.35	4.38	4.28	4.17	3.91	3.74	3.61			
85	1.33	1.31	1.35	1.51	1.72	1.96	2.13	2.11	2.08	2.09	2.09	1.94	1.84	1.63	1.49	1.39			
90	0.08	0.08	0.07	0.08	0.08	0.13	0.15	0.16	0.13	0.07	0.05	0.06	0.06	0.05	0.05	0.06			

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 C Interval: 22.5DEG
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