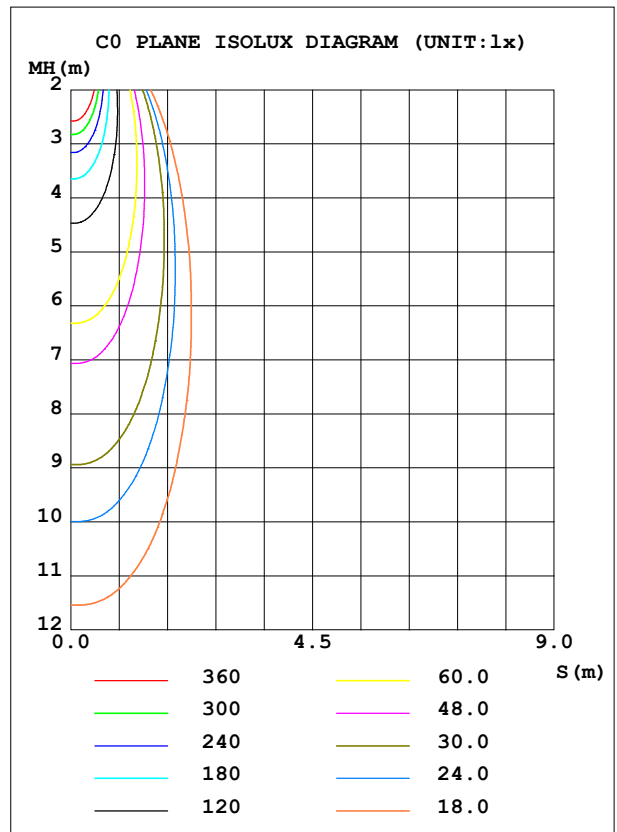
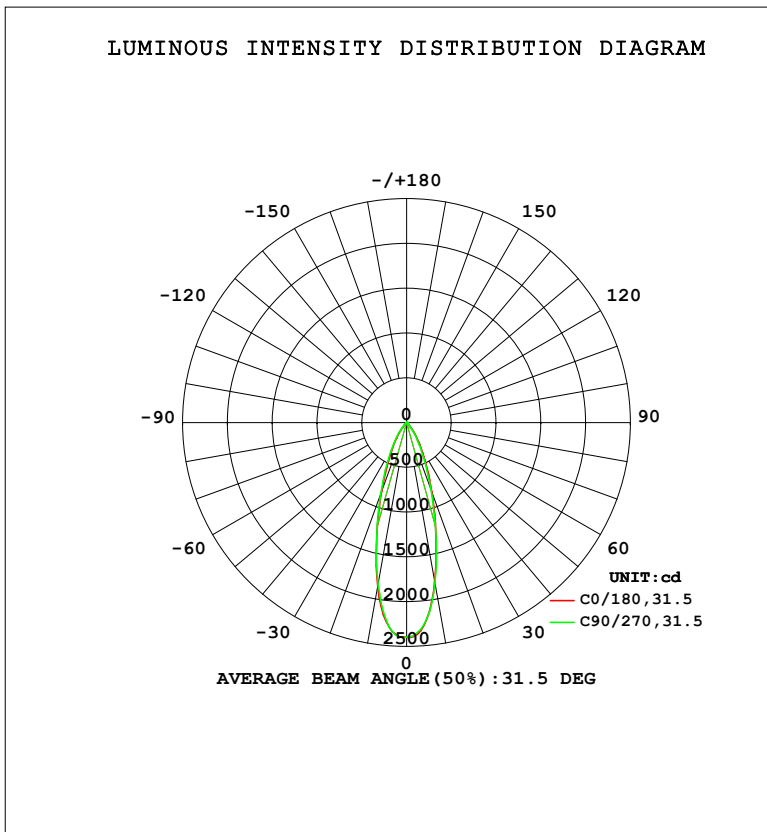


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	2402	S/MH (C0/180)	0.52
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	0.53
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	933.82	η UP, DN (C0-180)	0.0,49.2
NOMINAL FLUX (lm)	933.82	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,50.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2023-04-15

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:

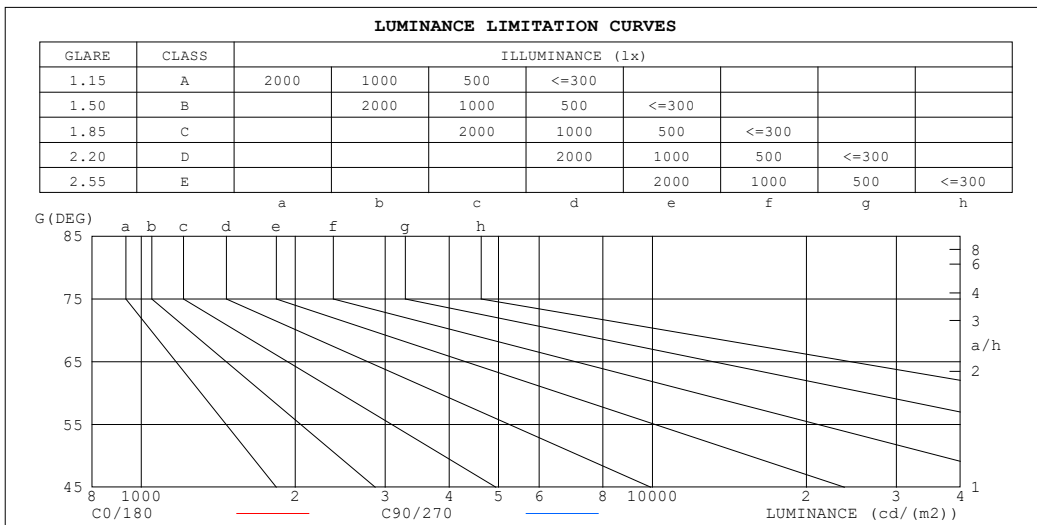
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1809	1815	1829	1839	1864	1863	1833	1821	0- 10	202.9	202.9	21.7,21.7
20	826.3	815.8	795.1	804.6	818.7	834.3	846.5	841.7	10- 20	352.0	554.9	59.4,59.4
30	318.8	297.1	285.3	284.2	293.9	308.1	328.5	329.3	20- 30	237.4	792.3	84.8,84.8
40	77.84	68.98	67.58	68.07	70.06	73.89	84.56	91.91	30- 40	108.6	901.0	96.5,96.5
50	11.27	10.42	9.345	9.493	10.18	10.82	11.57	12.04	40- 50	23.78	924.7	99,99
60	4.814	4.907	4.264	4.526	4.849	4.846	4.866	5.112	50- 60	6.329	931.1	99.7,99.7
70	0.8773	0.8459	0.8079	0.7329	0.7192	0.7758	0.9046	1.165	60- 70	2.387	933.5	100,100
80	0.0310	0.0212	0.0432	0.0264	0.0324	0.0201	0.0297	0.0160	70- 80	0.3281	933.8	100,100
90	0.0305	0.0186	0.0238	0.0168	0.0268	0.0190	0.0260	0.0175	80- 90	0.0289	933.8	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:2023-04-15

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:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3	4
80	2	2
75	1	10
70	23	21
65	45	45
60	87	77
55	116	94
50	158	131
45	327	271

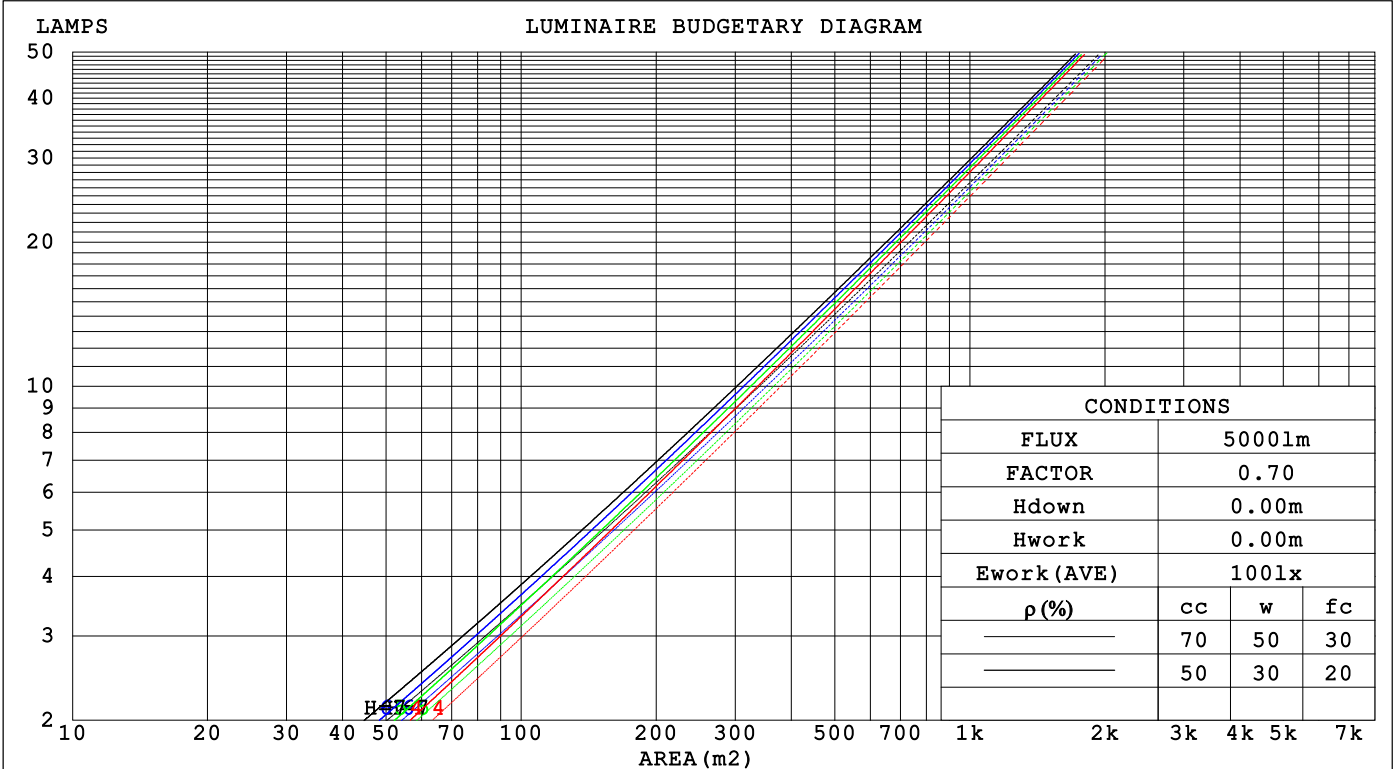
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2023-04-15

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:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 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	1.12	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	.95	.92	.98	.94	.91	.96	.93	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.95	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.82
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.86	.82	.80	.84	.81	.79	.78
6.0	.86	.81	.77	.85	.80	.77	.84	.79	.76	.82	.79	.76	.81	.78	.75	.74
7.0	.82	.77	.73	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.71
8.0	.78	.73	.70	.78	.73	.70	.77	.72	.69	.76	.72	.69	.75	.71	.69	.68
9.0	.75	.70	.67	.75	.70	.67	.74	.69	.66	.73	.69	.66	.72	.69	.66	.65
10.0	.72	.67	.64	.72	.67	.64	.71	.67	.64	.70	.66	.64	.70	.66	.63	.62



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-15

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:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 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	.156	.089	.028	.150	.085	.027	.137	.079	.025	.126	.073	.023	.115	.067	.022	
2.0	.148	.081	.025	.142	.078	.024	.132	.073	.023	.122	.069	.021	.113	.064	.020	
3.0	.140	.074	.022	.135	.072	.022	.126	.068	.021	.118	.065	.020	.111	.061	.019	
4.0	.132	.069	.020	.128	.067	.020	.121	.064	.019	.114	.061	.018	.107	.058	.018	
5.0	.126	.064	.019	.122	.063	.018	.116	.060	.018	.110	.058	.017	.104	.056	.017	
6.0	.120	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016	
7.0	.114	.056	.016	.112	.056	.016	.107	.054	.016	.102	.052	.015	.098	.051	.015	
8.0	.109	.053	.015	.107	.053	.015	.102	.051	.015	.098	.050	.014	.094	.049	.014	
9.0	.105	.051	.014	.103	.050	.014	.099	.049	.014	.095	.048	.014	.091	.046	.013	
10.0	.100	.048	.013	.099	.048	.013	.095	.047	.013	.092	.046	.013	.089	.045	.013	

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	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.119	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008	
6.0	.110	.077	.053	.095	.067	.046	.065	.047	.032	.038	.027	.019	.012	.009	.006	
7.0	.103	.069	.045	.089	.060	.039	.061	.042	.028	.036	.025	.016	.012	.008	.005	
8.0	.097	.062	.038	.084	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005	
9.0	.092	.057	.033	.079	.050	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004	
10.0	.087	.053	.029	.075	.046	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-15

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:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm										
NAME: ASD-CD-TR-3D12AC-BK					TYPE:			WEIGHT:		
SPEC.: 4000K 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	3.9	4.7	4.1	4.9	5.0	3.4	4.2	3.6	4.3	4.5
3H	3.8	4.5	4.0	4.7	4.9	3.2	4.0	3.5	4.2	4.4
4H	3.7	4.4	3.9	4.6	4.8	3.2	3.9	3.4	4.1	4.3
6H	3.6	4.2	3.9	4.5	4.7	3.1	3.7	3.4	4.0	4.2
8H	3.5	4.2	3.8	4.4	4.7	3.0	3.7	3.3	3.9	4.2
12H	3.5	4.1	3.8	4.4	4.6	3.0	3.6	3.3	3.9	4.1
4H 2H	3.7	4.4	4.0	4.6	4.8	3.2	3.9	3.4	4.1	4.3
3H	3.5	4.1	3.8	4.4	4.7	3.0	3.6	3.3	3.9	4.2
4H	3.4	4.0	3.8	4.3	4.6	2.9	3.5	3.3	3.8	4.1
6H	3.3	3.8	3.7	4.2	4.5	2.8	3.3	3.2	3.6	4.0
8H	3.3	3.7	3.7	4.1	4.4	2.8	3.2	3.2	3.6	3.9
12H	3.2	3.6	3.6	4.0	4.4	2.7	3.1	3.1	3.5	3.9
8H 4H	3.3	3.7	3.7	4.1	4.4	2.8	3.2	3.2	3.6	3.9
6H	3.2	3.5	3.6	3.9	4.4	2.7	3.0	3.1	3.4	3.8
8H	3.1	3.4	3.6	3.9	4.3	2.6	2.9	3.1	3.4	3.8
12H	3.1	3.3	3.5	3.8	4.3	2.5	2.8	3.0	3.3	3.7
12H 4H	3.2	3.6	3.6	4.0	4.4	2.7	3.1	3.1	3.5	3.9
6H	3.1	3.4	3.6	3.9	4.3	2.6	2.9	3.1	3.4	3.8
8H	3.1	3.3	3.5	3.8	4.3	2.5	2.8	3.0	3.3	3.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.8 / - 9.4					+ 3.7 / - 9.5				
1.5H	+ 6.2 / - 7.6					+ 6.2 / - 7.9				
2.0H	+ 5.2 / - 4.1					+ 4.7 / - 3.4				

CIE Pub.117, 933.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-15

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:

UTILIZATION FACTORS TABLE

Test:U:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

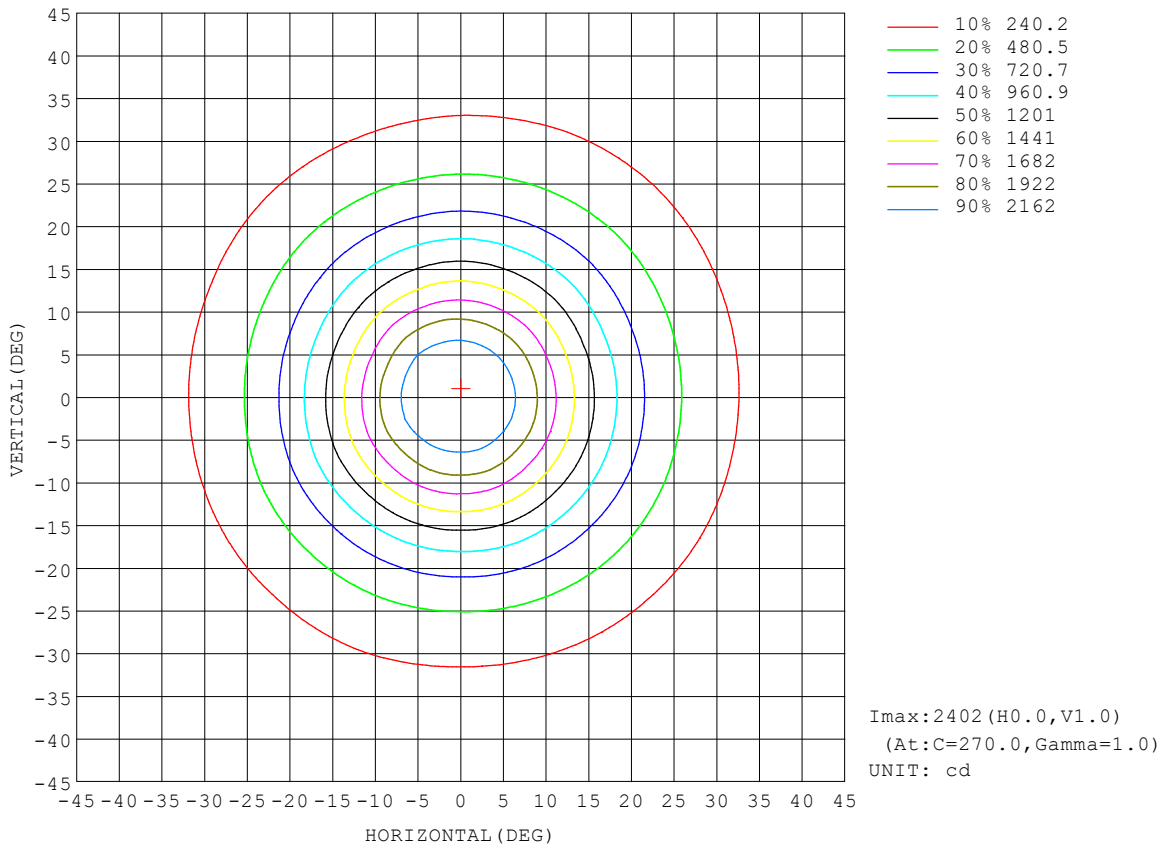
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	80	76
0.80	97	91	88	96	91	87	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	100	96	103	99	96	101	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	107	111	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	115	113	112	113	112	110	109	108	107	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:25.3°C
 Operators:
 Test Date:2023-04-15

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:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

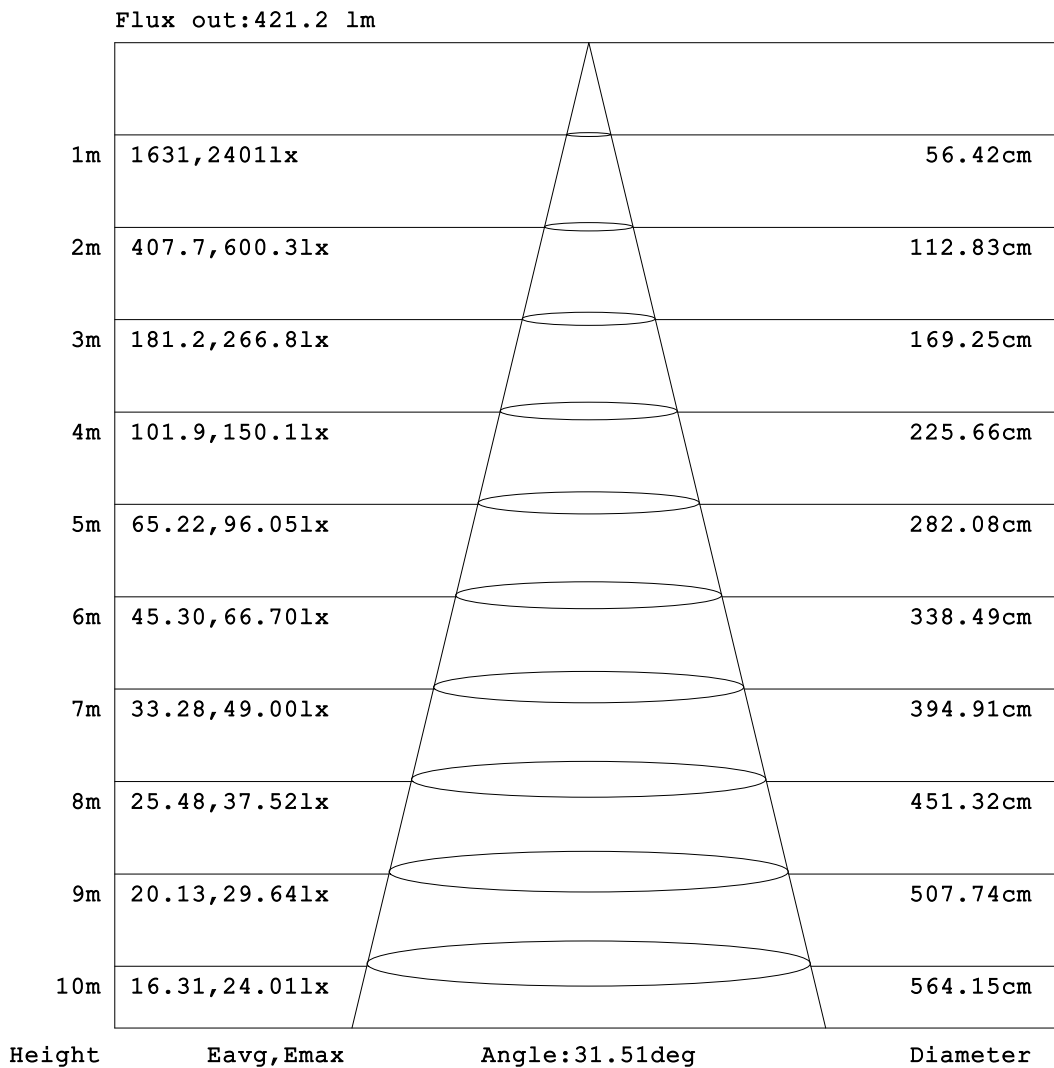


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-15

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:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



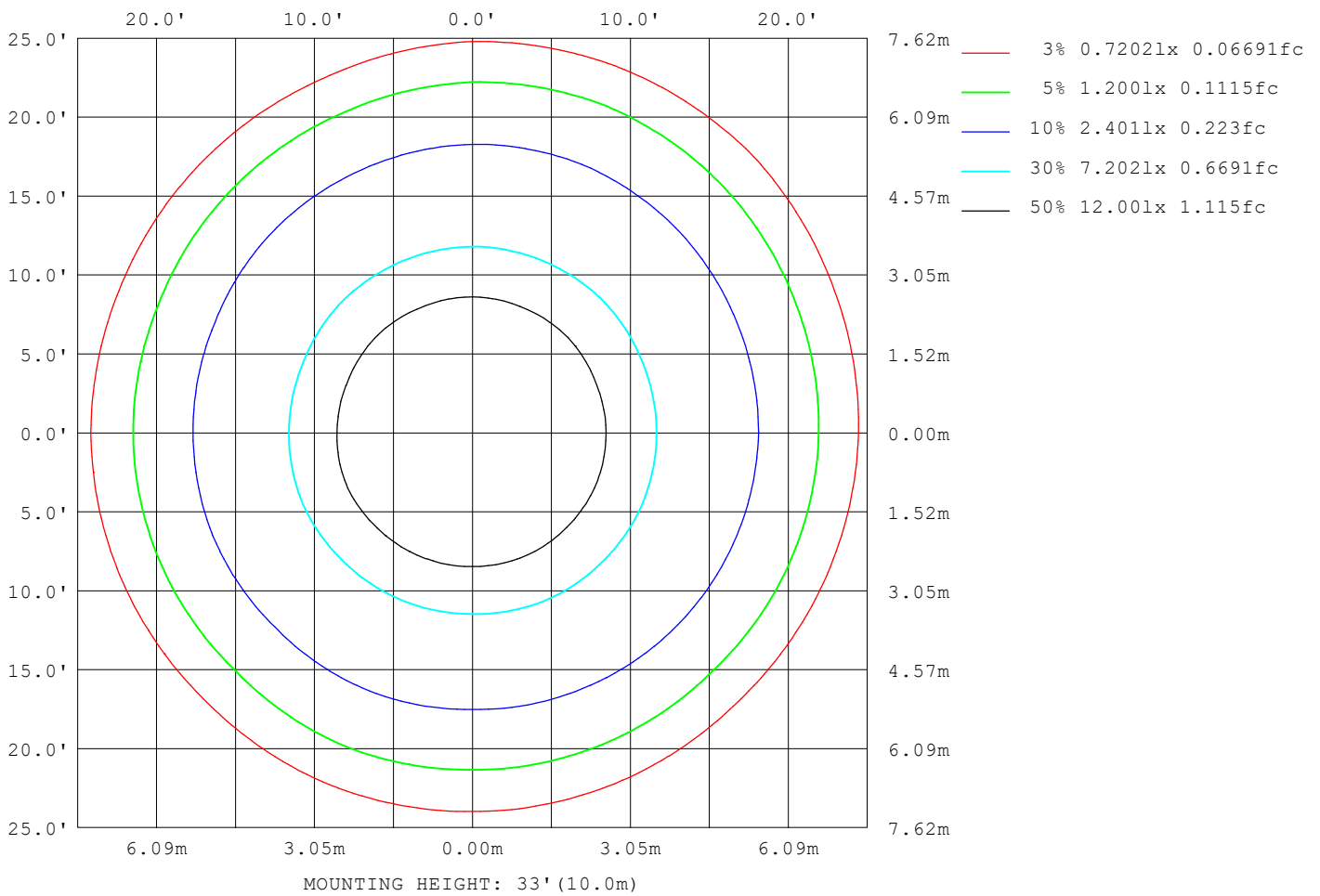
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-15

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:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 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: 2023-04-15

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:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

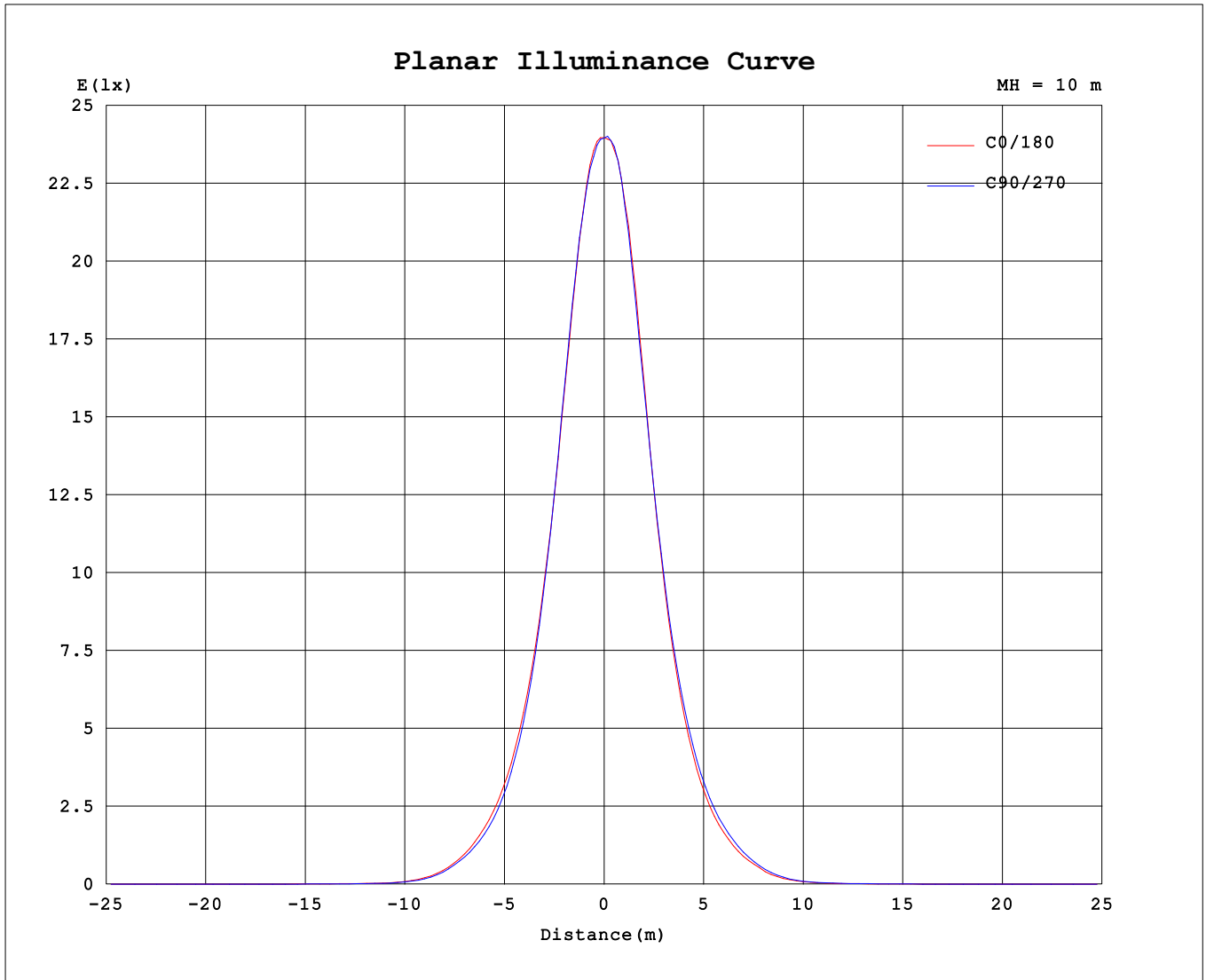
AvgL	cd/m2
L_0~180 (65) av	48
L_0~180 (75) av	3
L_0~180 (85) av	3
L_90~270 (65) av	45
L_90~270 (75) av	8
L_90~270 (85) av	3
L_45 (65) av	49
L_45 (75) av	7
L_45 (85) av	2

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-04-15

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: 2023-04-15

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:119.83V I:0.0933A P:10.885W PF:0.9739 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:933.82x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 4000K 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	2396	2397	2396	2395	2395	2398	2396	2394	2396	2397	2396	2395	2395	2398	2396	2394			
5	2268	2266	2260	2261	2258	2264	2272	2284	2288	2302	2308	2293	2288	2276	2276	2268			
10	1809	1817	1815	1834	1829	1835	1839	1868	1864	1851	1863	1844	1833	1817	1821	1803			
15	1266	1269	1262	1270	1261	1268	1273	1299	1285	1280	1296	1291	1296	1284	1283	1261			
20	826	826	816	810	795	800	805	822	819	817	834	838	847	843	842	826			
25	523	517	506	494	485	488	489	500	497	501	517	523	537	536	537	524			
30	319	309	297	289	285	291	284	292	294	295	308	316	329	335	329	323			
35	178	168	160	161	160	162	157	161	164	164	169	175	188	194	192	183			
40	77.8	74.3	69.0	69.0	67.6	66.5	68.1	69.4	70.1	72.9	73.9	76.8	84.6	88.9	91.9	83.3			
45	25.7	26.0	23.9	23.6	21.3	21.8	21.8	24.2	24.8	25.4	26.2	26.0	27.3	30.5	32.8	28.5			
50	11.3	11.1	10.4	9.89	9.34	9.25	9.49	9.85	10.2	10.7	10.8	11.6	11.6	12.1	12.0	11.4			
55	7.36	7.19	7.00	6.30	5.99	6.17	6.11	6.47	6.74	6.57	7.18	7.56	7.74	7.91	7.82	7.43			
60	4.81	4.70	4.91	4.50	4.26	4.60	4.53	4.78	4.85	4.57	4.85	4.89	4.87	4.81	5.11	4.78			
65	2.10	2.03	2.26	2.14	2.13	2.49	2.28	2.50	2.37	2.09	2.29	2.14	2.10	2.63	2.32	1.92			
70	0.88	0.89	0.85	0.78	0.81	1.05	0.73	0.80	0.72	0.72	0.78	0.82	0.90	1.34	1.17	0.94			
75	0.04	0.04	0.14	0.25	0.27	0.44	0.26	0.16	0.12	0.13	0.15	0.15	0.20	0.43	0.21	0.03			
80	0.03	0.04	0.02	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02			
85	0.03	0.06	0.02	0.02	0.04	0.03	0.02	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.01	0.02			
90	0.03	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.02			

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 C Interval: 22.5DEG
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