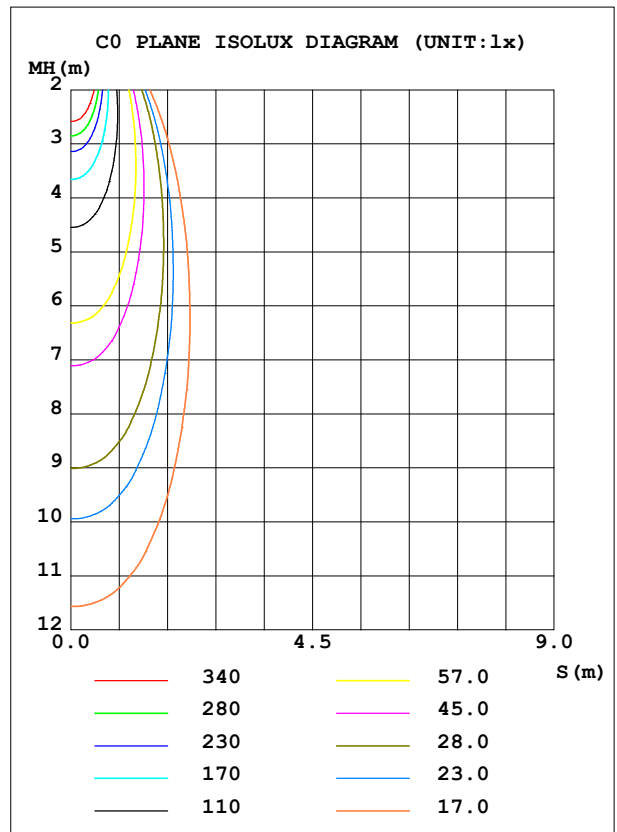
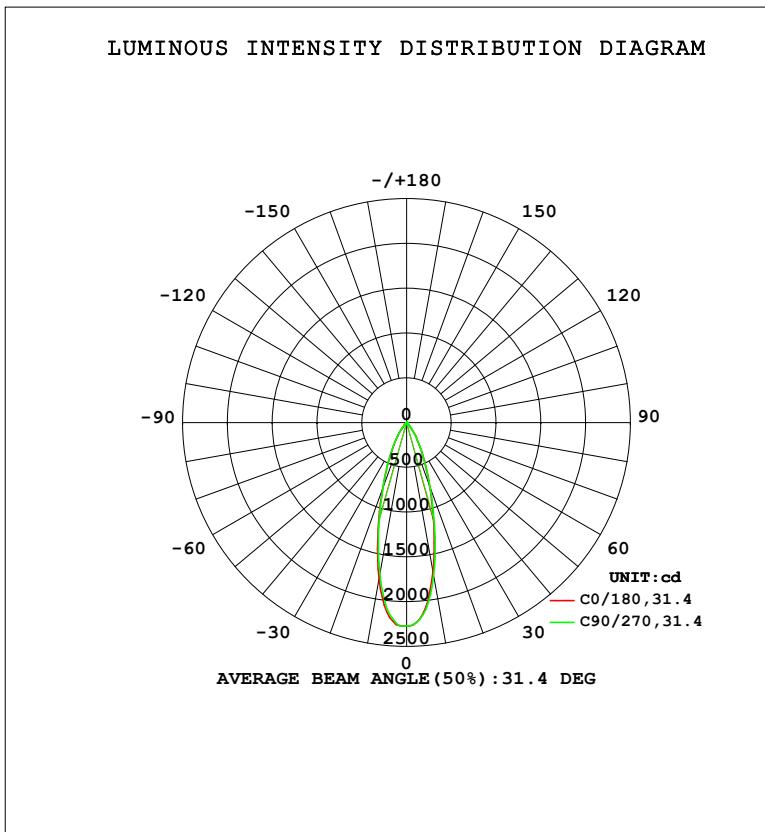


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	2276	S/MH (C0/180)	0.53
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	0.52
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	880.99	η UP, DN (C0-180)	0.0,49.9
NOMINAL FLUX (lm)	880.99	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,50.1
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:

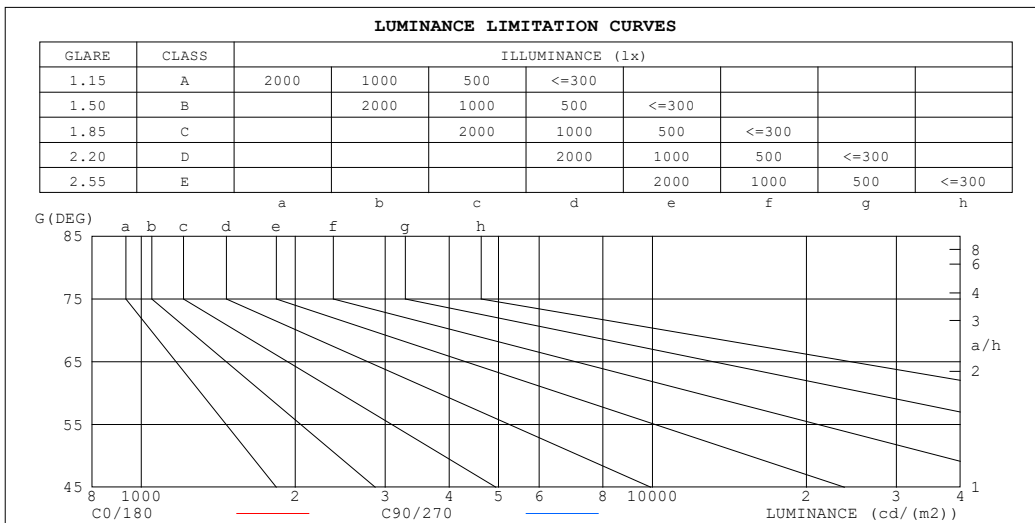
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1698	1714	1743	1761	1772	1762	1724	1705	0- 10	192.1	192.1	21.8,21.8
20	760.9	768.2	769.7	786.6	790.5	786.0	778.1	769.7	10- 20	332.6	524.7	59.6,59.6
30	285.2	279.9	280.8	284.4	289.7	289.9	295.1	291.5	20- 30	223.4	748.1	84.9,84.9
40	68.89	64.77	68.18	73.34	69.83	69.56	74.65	76.82	30- 40	102.0	850.1	96.5,96.5
50	10.22	9.826	9.147	10.05	9.903	10.21	10.56	10.22	40- 50	22.35	872.4	99,99
60	4.391	4.635	4.179	4.635	4.762	4.569	4.412	4.506	50- 60	5.968	878.4	99.7,99.7
70	0.7962	0.7929	0.7879	0.7219	0.7039	0.7232	0.8129	1.024	60- 70	2.254	880.7	100,100
80	0.0298	0.0231	0.0424	0.0246	0.0271	0.0190	0.0246	0.0156	70- 80	0.3083	881.0	100,100
90	0.0279	0.0197	0.0204	0.0208	0.0249	0.0197	0.0264	0.0190	80- 90	0.0278	881.0	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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	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	3	4
80	2	2
75	1	9
70	21	21
65	41	44
60	79	75
55	106	92
50	143	128
45	296	269

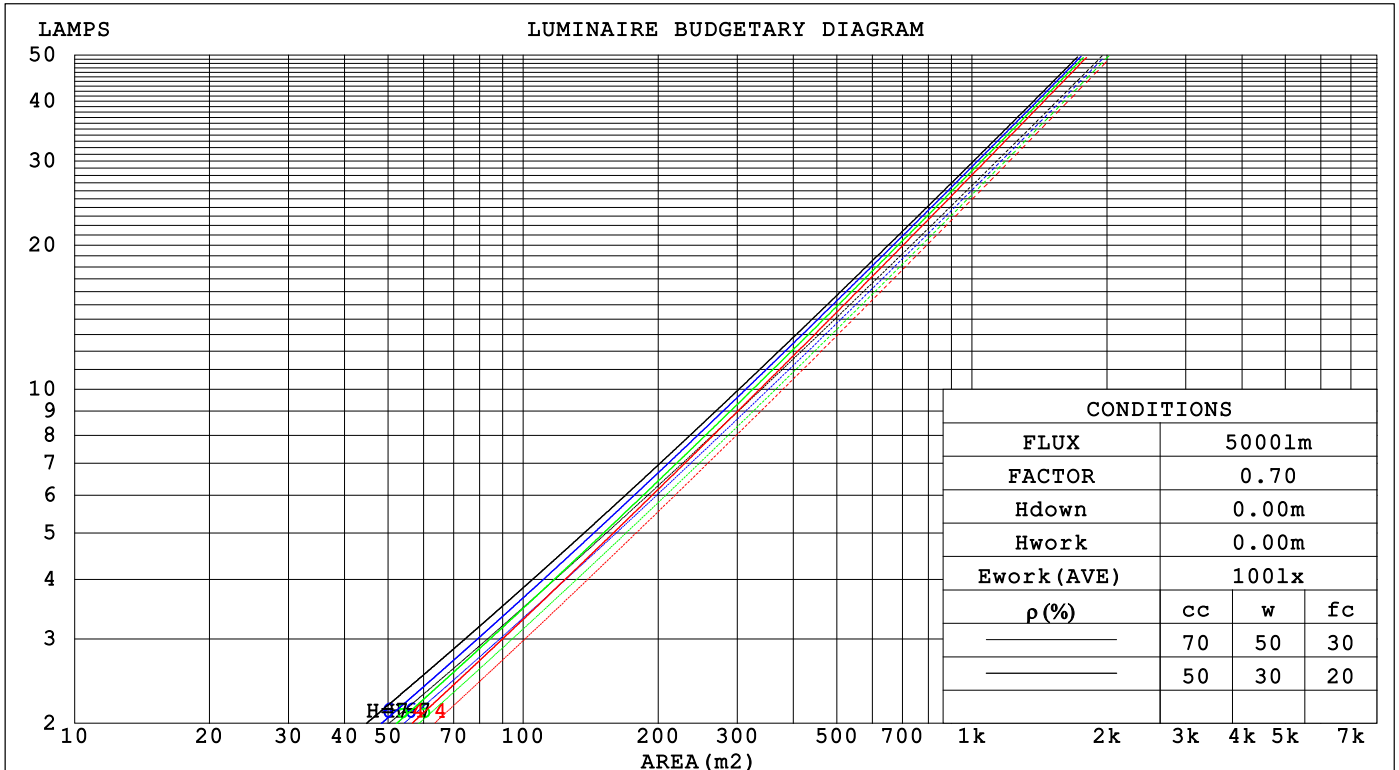
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2023-04-15

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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	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	1.12	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	.89	.91	.89	.87	.86
4.0	.95	.90	.86	.93	.89	.86	.91	.88	.85	.90	.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	.75	.72	.71
8.0	.78	.73	.70	.78	.73	.70	.77	.73	.69	.76	.72	.69	.75	.72	.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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	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	.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	.110	.061	.019	
4.0	.132	.069	.020	.128	.067	.020	.121	.064	.019	.114	.061	.018	.107	.058	.018	
5.0	.125	.064	.019	.122	.063	.018	.116	.060	.018	.110	.058	.017	.104	.056	.017	
6.0	.119	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016	
7.0	.114	.056	.016	.111	.056	.016	.106	.054	.016	.102	.052	.015	.097	.051	.015	
8.0	.109	.053	.015	.107	.053	.015	.102	.051	.015	.098	.050	.014	.094	.048	.014	
9.0	.104	.051	.014	.102	.050	.014	.099	.049	.014	.095	.048	.014	.091	.046	.013	
10.0	.100	.048	.013	.098	.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	.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	.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	.118	.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	.052	.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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	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	3.6	4.4	3.9	4.6	4.8	3.6	4.4	3.8	4.5	4.7
3H	3.5	4.2	3.7	4.4	4.6	3.4	4.2	3.7	4.4	4.6
4H	3.4	4.1	3.7	4.3	4.5	3.4	4.0	3.6	4.3	4.5
6H	3.3	4.0	3.6	4.2	4.5	3.3	3.9	3.6	4.2	4.4
8H	3.3	3.9	3.6	4.2	4.4	3.2	3.9	3.5	4.1	4.4
12H	3.2	3.8	3.5	4.1	4.4	3.2	3.8	3.5	4.0	4.3
4H 2H	3.4	4.1	3.7	4.3	4.6	3.4	4.1	3.6	4.3	4.5
3H	3.3	3.9	3.6	4.1	4.4	3.2	3.8	3.5	4.1	4.3
4H	3.2	3.7	3.5	4.0	4.3	3.1	3.7	3.5	4.0	4.3
6H	3.1	3.6	3.4	3.9	4.2	3.0	3.5	3.4	3.8	4.2
8H	3.0	3.5	3.4	3.8	4.2	3.0	3.4	3.4	3.8	4.1
12H	3.0	3.4	3.4	3.7	4.1	2.9	3.3	3.3	3.7	4.1
8H 4H	3.0	3.5	3.4	3.8	4.2	3.0	3.4	3.4	3.8	4.1
6H	2.9	3.3	3.3	3.7	4.1	2.9	3.2	3.3	3.6	4.0
8H	2.9	3.2	3.3	3.6	4.0	2.8	3.1	3.2	3.5	4.0
12H	2.8	3.1	3.3	3.5	4.0	2.7	3.0	3.2	3.5	3.9
12H 4H	3.0	3.4	3.4	3.7	4.1	2.9	3.3	3.3	3.7	4.1
6H	2.9	3.2	3.3	3.6	4.0	2.8	3.1	3.2	3.5	4.0
8H	2.8	3.1	3.3	3.5	4.0	2.7	3.0	3.2	3.5	3.9

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 3.6 / - 9.2	+ 3.9 / - 9.5
1.5H	+ 6.1 / - 7.4	+ 6.4 / - 8.0
2.0H	+ 5.0 / - 4.1	+ 4.8 / - 3.5

CIE Pub.117, 881.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
 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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

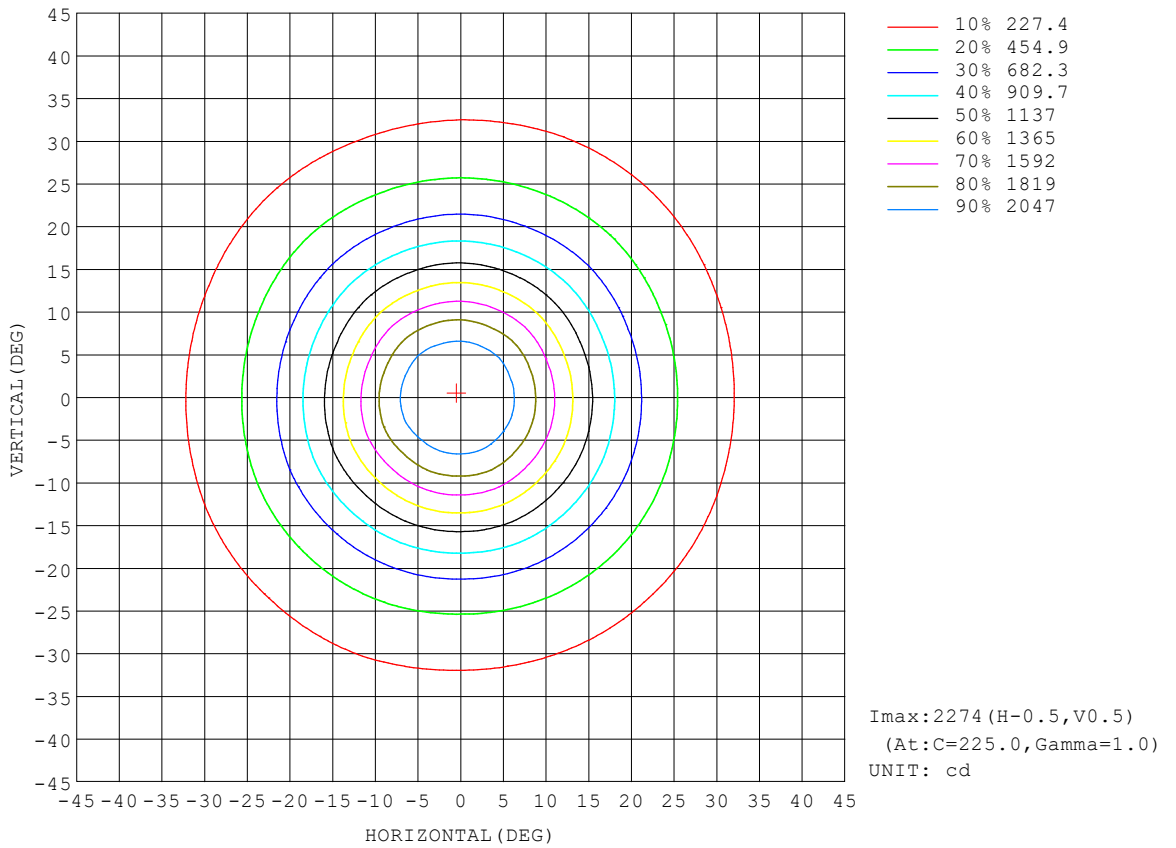
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	80	76
0.80	97	91	88	96	91	87	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	105	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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

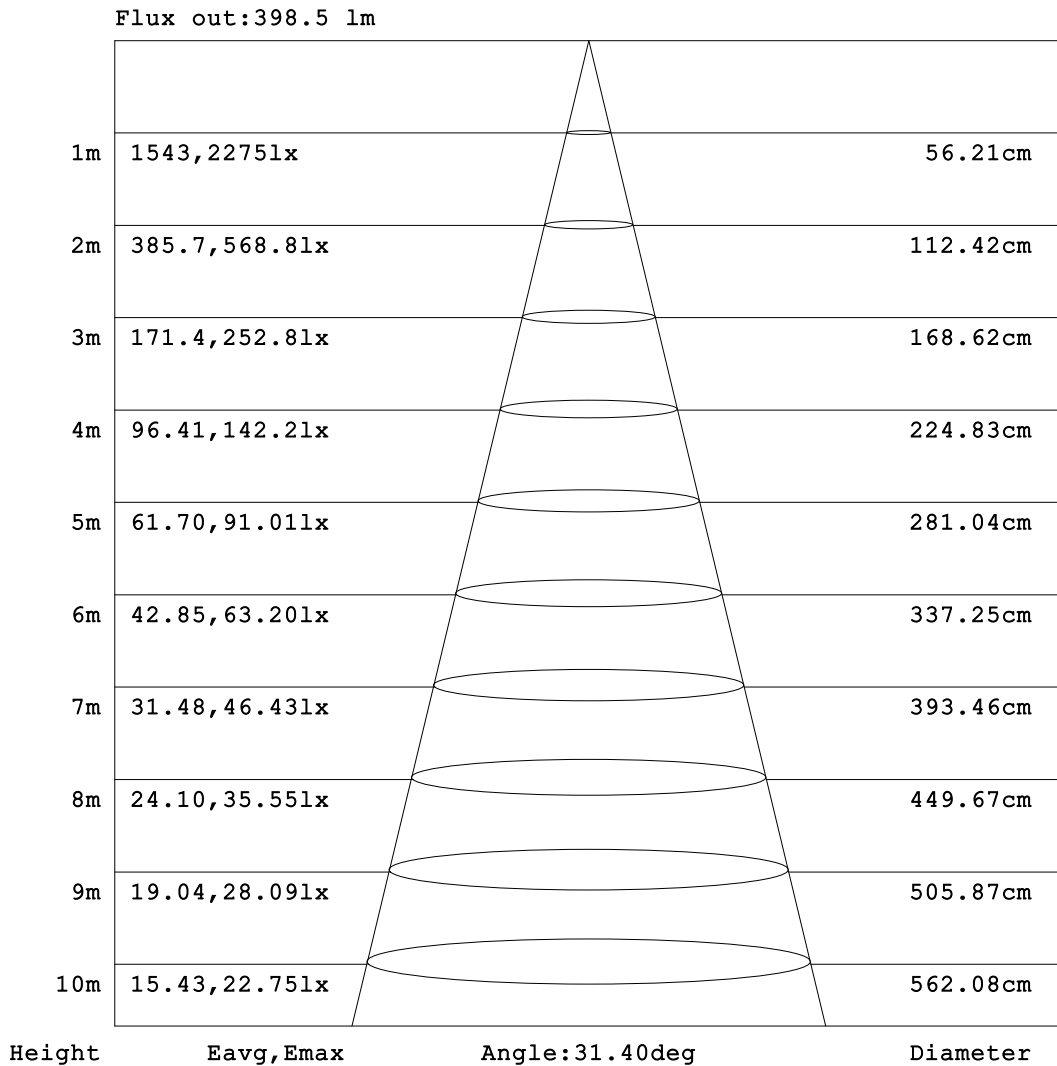


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-15

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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



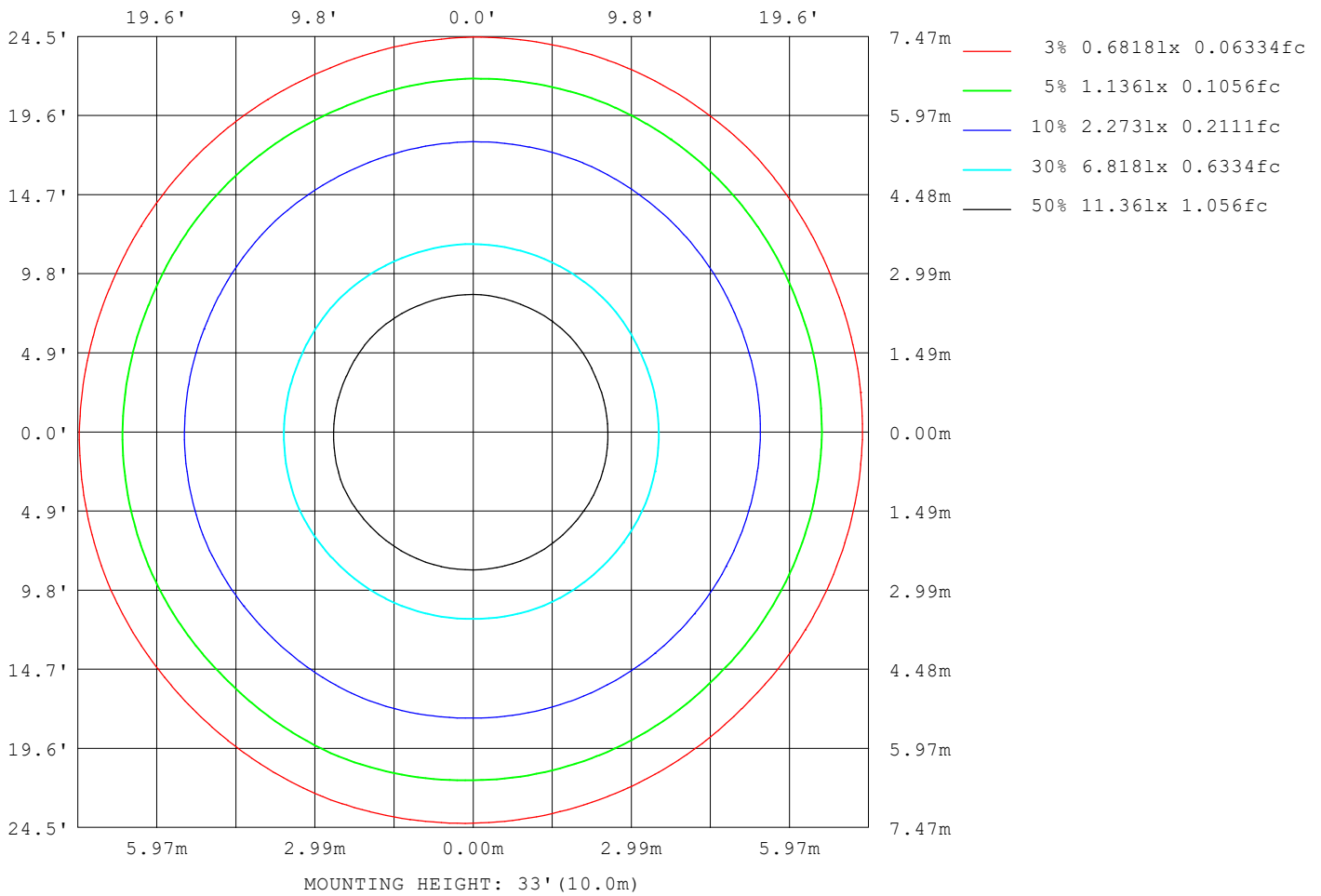
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	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: 2023-04-15

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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

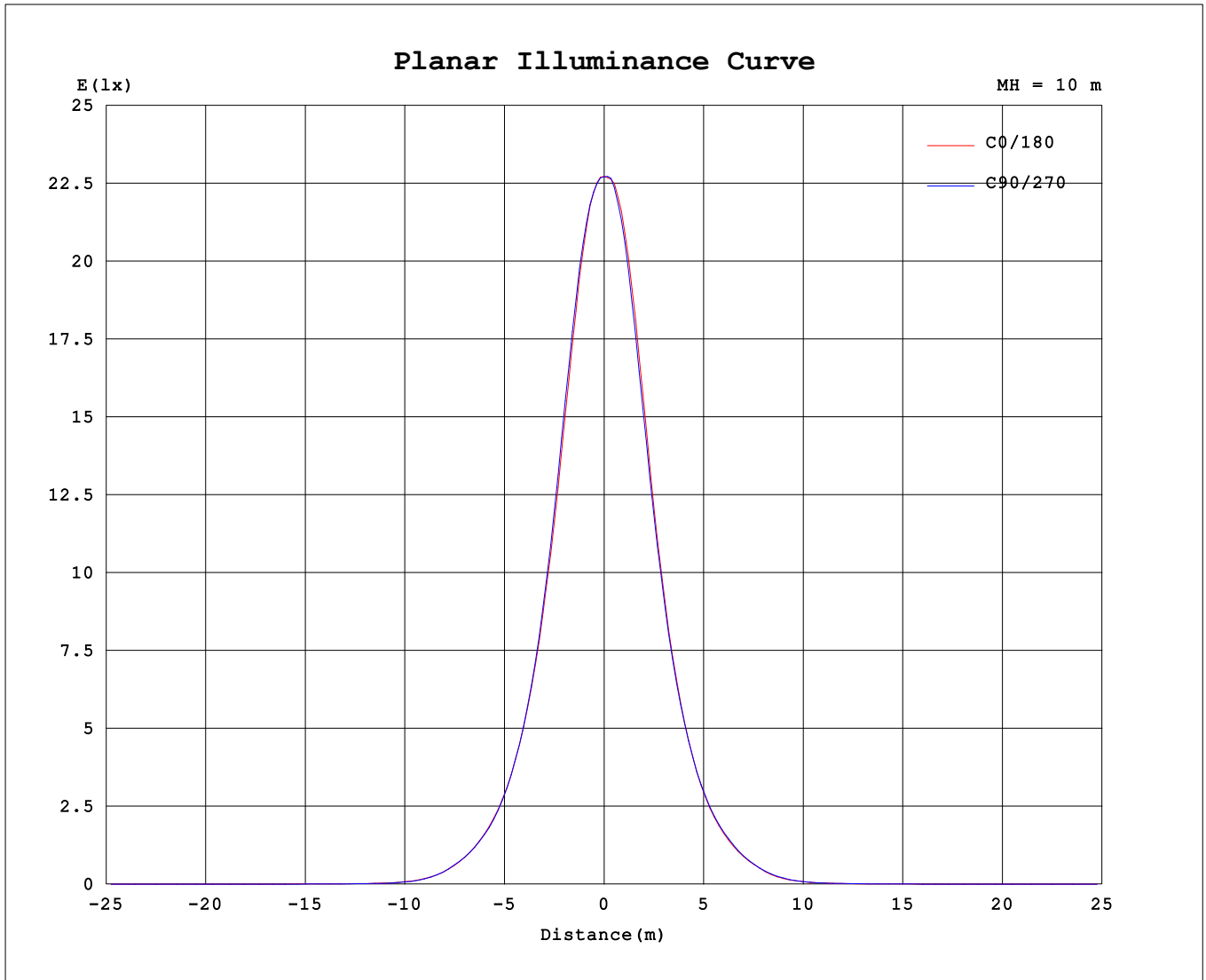
AvgL	cd/m2
L_0~180 (65) av	45
L_0~180 (75) av	3
L_0~180 (85) av	3
L_90~270 (65) av	42
L_90~270 (75) av	8
L_90~270 (85) av	4
L_45 (65) av	46
L_45 (75) av	6
L_45 (85) av	2

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:119.82V I:0.0928A P:10.823W PF:0.9737 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:880.99x1 lm		
NAME: ASD-CD-TR-3D12AC-BK	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	2273	2269	2270	2274	2270	2271	2269	2274	2273	2269	2270	2274	2270	2271	2269	2274			
5	2136	2147	2141	2153	2149	2155	2157	2179	2184	2180	2182	2166	2155	2148	2153	2137			
10	1698	1709	1714	1742	1743	1753	1761	1786	1772	1757	1762	1735	1724	1708	1705	1693			
15	1178	1187	1193	1208	1210	1219	1229	1248	1231	1219	1225	1210	1207	1192	1191	1172			
20	761	769	768	775	770	779	787	800	791	780	786	779	778	772	770	756			
25	474	476	476	475	473	480	482	490	485	482	487	484	486	483	482	471			
30	285	282	280	281	281	289	284	291	290	285	290	288	295	297	291	285			
35	158	154	151	155	159	165	162	165	163	158	159	160	168	169	166	159			
40	68.9	68.8	64.8	65.8	68.2	70.6	73.3	73.0	69.8	69.5	69.6	71.5	74.7	75.1	76.8	70.4			
45	23.3	24.2	22.5	22.4	21.1	23.5	24.9	25.9	24.4	24.1	25.2	24.4	25.4	25.4	26.2	24.0			
50	10.2	10.3	9.83	9.46	9.15	9.50	10.1	10.1	9.90	10.2	10.2	10.7	10.6	10.5	10.2	9.91			
55	6.75	6.68	6.60	6.04	5.86	6.25	6.34	6.56	6.59	6.27	6.77	7.03	7.08	6.97	6.76	6.59			
60	4.39	4.38	4.63	4.32	4.18	4.62	4.63	4.83	4.76	4.38	4.57	4.53	4.41	4.31	4.51	4.28			
65	1.90	1.89	2.13	2.05	2.08	2.46	2.29	2.49	2.31	2.00	2.15	1.98	1.91	2.37	2.06	1.72			
70	0.80	0.82	0.79	0.75	0.79	1.03	0.72	0.79	0.70	0.69	0.72	0.75	0.81	1.20	1.02	0.85			
75	0.03	0.04	0.13	0.23	0.27	0.43	0.27	0.15	0.11	0.12	0.15	0.14	0.18	0.39	0.18	0.03			
80	0.03	0.04	0.02	0.03	0.04	0.03	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02			
85	0.03	0.05	0.02	0.02	0.04	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.01			
90	0.03	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
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