

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P402571

Luminaire Tested: **GAN-AF-01-LED-U-SL3-AMB-HSS**

Issue Date: 6/8/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/8/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-01-LED-U-SL3-AMB-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

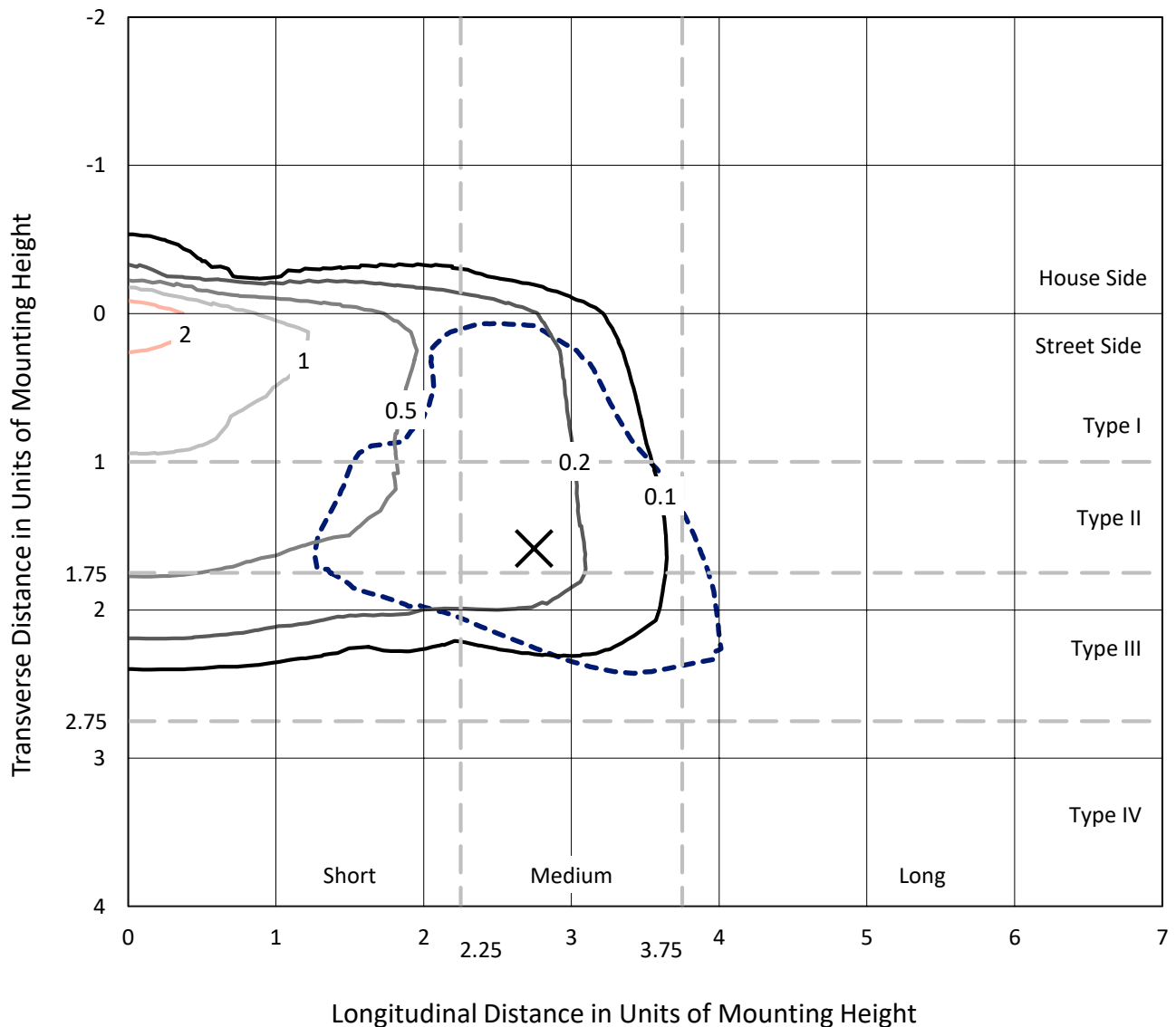
Lumens per Lamp: N/A  
Luminaire Lumens: 983 lumens  
Efficiency: N/A  
Efficacy: 43.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 22.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

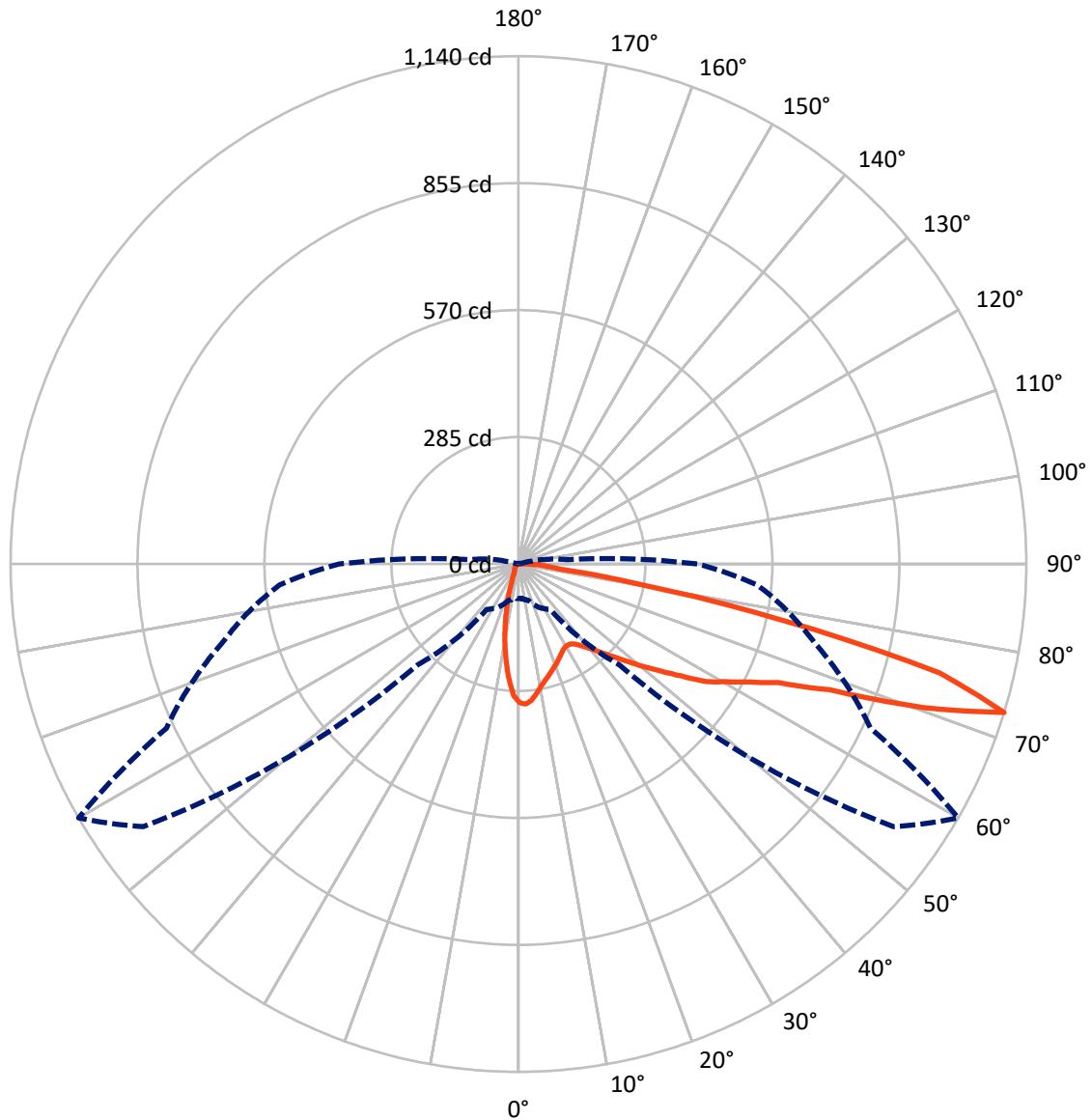
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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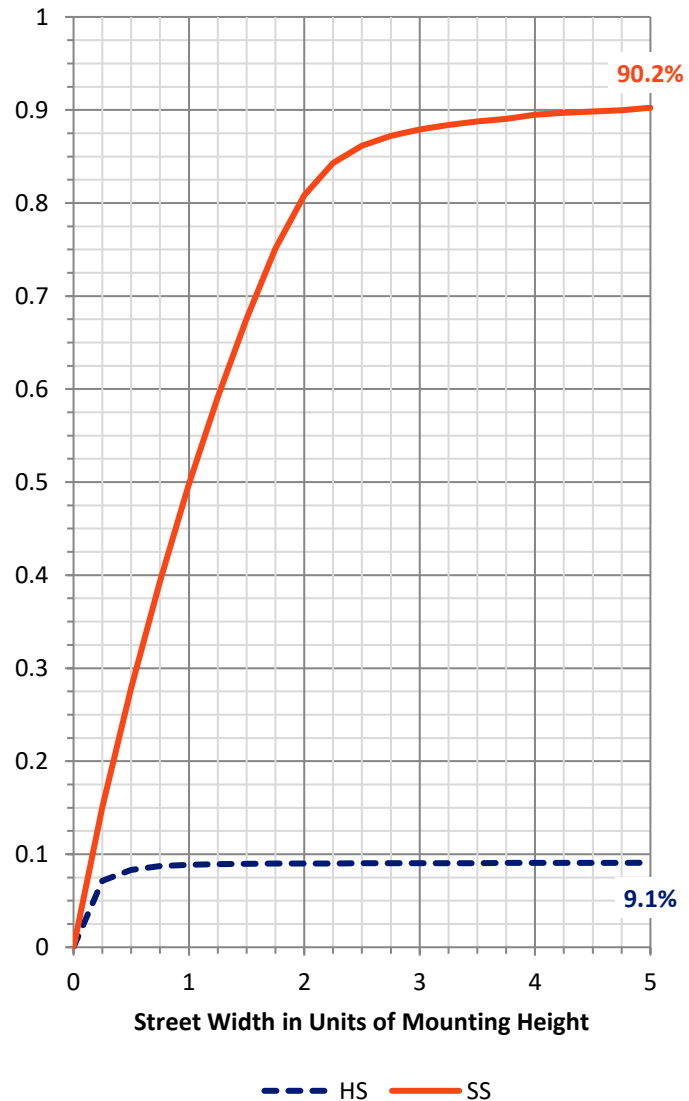
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	90.2	0.0	90.2
	% Fixture	9.2	0.0	9.2
<b>Street Side</b>	Lumens	892.8	0.0	892.8
	% Fixture	90.8	0.0	90.8
<b>Total</b>	Lumens	983.0	0.0	983.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.2	2.5
10°-20°	47.2	4.8
20°-30°	62.0	6.3
30°-40°	83.6	8.5
40°-50°	124.5	12.7
50°-60°	193.1	19.6
60°-70°	264.8	26.9
70°-80°	166.9	17.0
80°-90°	16.7	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	983.0	100.0
0°-180°	983.0	100.0



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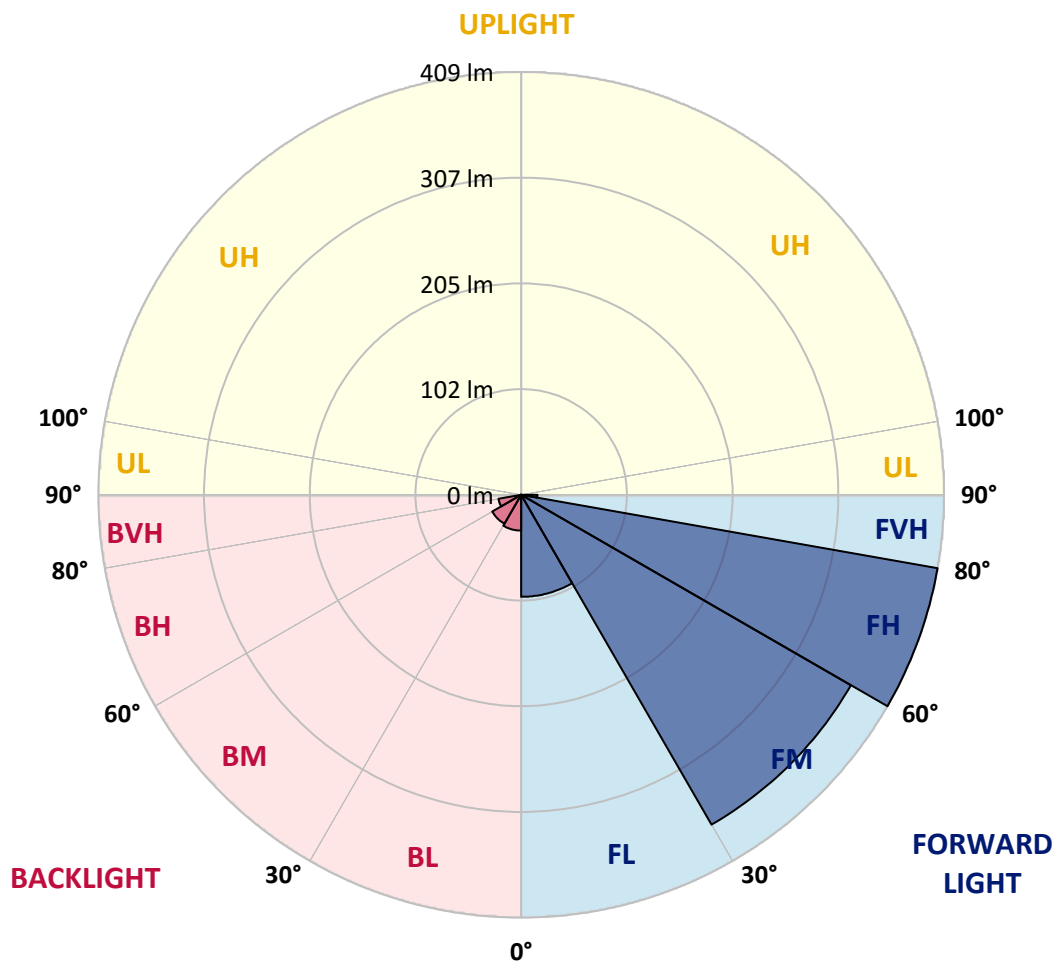
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.8	10.0			
FM (30°-60°)	368.7	37.5			
FH (60°-80°)	409.4	41.7			G0/660
FVH (80°-90°)	15.8	1.6			G1/100
BL (0°-30°)	34.6	3.5	B0/110		
BM (30°-60°)	32.4	3.3	B0/220		
BH (60°-80°)	22.3	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9
2.5°	316.2	315.6	315.6	316.2	316.7	315.1	315.1	314.6	313.0	312.4	309.3
5°	296.0	297.6	297.6	299.7	301.9	302.9	307.2	307.2	306.6	306.6	301.9
7.5°	271.7	271.7	275.4	279.1	284.4	286.0	290.7	292.9	293.9	296.6	292.3
10°	250.0	251.5	252.1	257.4	262.1	268.0	275.9	278.6	281.2	286.5	282.3
12.5°	233.5	234.6	236.2	241.0	246.8	253.1	262.7	267.4	270.1	277.5	274.3
15°	216.6	217.7	220.8	225.1	233.0	241.0	251.5	257.9	262.7	271.1	268.5
17.5°	205.5	206.0	206.5	210.2	218.2	228.8	242.0	248.4	254.7	265.3	264.3
20°	200.2	200.7	200.2	202.3	207.1	216.1	232.0	240.4	247.3	262.7	261.1
22.5°	198.6	199.1	198.1	197.5	199.6	207.6	221.9	231.4	241.0	262.1	260.0
25°	199.6	199.6	198.1	196.5	196.5	200.7	212.9	223.0	234.6	263.2	259.0
27.5°	203.9	203.4	201.8	198.6	195.9	197.5	207.1	216.1	228.8	264.8	259.0
30°	209.2	208.7	208.1	205.5	200.7	197.5	204.4	212.9	225.6	268.5	259.5
32.5°	215.0	215.5	215.5	213.4	208.1	201.2	206.0	213.9	226.1	273.8	261.1
35°	225.6	224.5	226.1	225.1	219.2	210.2	213.9	220.8	231.4	279.6	264.8
37.5°	235.7	235.7	237.8	238.3	233.0	221.9	226.7	233.5	239.9	289.1	271.7
40°	247.3	246.8	250.0	253.1	248.9	239.4	244.1	250.0	255.8	303.4	283.3
42.5°	256.8	257.9	262.7	268.0	269.6	256.3	264.3	270.6	273.3	319.3	300.8
45°	265.8	267.4	276.4	284.9	290.2	279.6	288.6	295.5	298.1	339.5	322.0
47.5°	275.4	277.5	288.6	301.9	311.4	306.1	316.2	324.6	326.2	364.3	353.8
50°	285.4	287.6	300.3	318.3	334.2	337.3	350.0	360.1	358.5	389.2	386.1
52.5°	298.1	300.8	318.3	338.4	360.1	369.6	389.2	398.2	393.5	421.5	415.7
55°	331.5	332.6	344.8	365.4	387.6	406.7	435.3	443.3	431.1	445.4	445.9
57.5°	388.2	388.2	390.8	397.2	417.8	445.9	491.4	498.3	475.6	469.7	472.4
60°	422.1	427.4	438.5	450.7	460.2	488.3	535.9	535.9	503.6	495.2	496.2
62.5°	413.6	417.8	450.7	478.2	521.1	557.1	584.1	583.1	535.4	519.0	526.4
65°	302.9	310.3	352.7	439.0	544.9	652.4	664.6	641.3	574.6	555.0	585.2
67.5°	162.6	168.4	203.9	281.2	430.0	717.6	829.8	753.6	645.0	628.6	645.0
70°	107.0	105.9	108.6	138.2	235.1	594.7	1051.2	964.4	762.1	687.4	645.5
72.5°	77.3	77.3	84.2	107.0	124.4	319.3	1027.4	1139.6	871.7	689.0	538.0
75°	51.9	53.0	64.1	86.3	116.0	104.9	799.1	976.5	856.8	517.4	280.7
77.5°	27.0	28.6	42.4	68.3	106.4	93.7	447.5	604.8	503.6	237.8	62.5
80°	12.2	12.7	18.5	51.4	97.4	86.9	146.2	269.6	159.4	28.6	10.6
82.5°	5.8	5.8	7.9	25.4	80.5	74.7	90.0	95.9	37.6	9.0	7.4
85°	2.1	2.1	4.2	14.3	47.7	45.0	76.8	64.1	21.2	5.8	5.3
87.5°	1.1	1.1	1.6	4.2	12.7	36.5	53.0	42.4	9.0	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9
2.5°	307.7	306.1	301.9	298.1	293.4	287.0	286.0	279.6	274.3	273.8	272.2
5°	299.2	294.4	283.9	268.5	254.2	242.5	229.8	221.9	217.7	212.9	216.1
7.5°	287.6	279.6	258.4	234.6	211.3	191.2	171.6	157.3	151.5	143.0	144.6
10°	275.4	264.3	233.5	197.5	167.3	137.7	112.3	91.1	80.0	76.3	76.3
12.5°	266.9	251.0	208.1	163.1	123.4	85.3	62.0	45.0	33.9	30.2	30.2
15°	258.4	238.8	184.8	130.3	81.6	49.3	29.7	25.4	24.9	24.9	24.9
17.5°	251.0	224.5	160.5	99.6	53.5	27.5	24.4	23.8	23.3	23.3	23.3
20°	243.6	211.8	139.8	71.5	29.7	23.3	22.2	22.2	22.2	22.2	21.7
22.5°	236.7	200.7	117.6	49.3	22.8	21.2	20.7	20.7	20.7	20.1	20.1
25°	231.4	190.6	97.4	31.2	20.1	19.6	19.1	18.5	18.0	18.0	18.0
27.5°	226.1	181.1	76.3	21.7	18.5	17.5	16.9	16.4	15.4	15.4	14.8
30°	222.4	171.6	60.9	18.5	16.9	15.9	14.8	13.8	12.7	12.2	12.2
32.5°	220.3	164.2	45.5	16.9	15.4	13.8	12.7	11.7	10.6	9.5	9.5
35°	218.7	156.8	31.2	15.4	13.8	12.2	11.1	9.5	7.9	7.4	7.4
37.5°	221.4	151.5	21.2	14.3	12.7	11.1	9.0	7.9	6.9	6.4	6.4
40°	227.2	147.2	16.9	13.2	11.7	9.5	7.9	6.4	5.3	4.8	4.8
42.5°	237.2	145.6	14.8	12.7	10.6	8.5	6.4	5.3	4.8	4.2	4.2
45°	255.8	145.1	13.8	11.7	9.5	6.9	5.3	4.2	3.7	3.2	3.2
47.5°	276.4	146.2	13.2	11.1	8.5	6.4	4.8	3.7	3.2	2.6	2.6
50°	301.9	150.4	12.2	10.1	7.9	5.3	3.7	3.2	2.1	2.1	2.1
52.5°	326.2	154.6	11.7	9.5	6.9	4.8	3.2	2.1	2.1	1.6	1.6
55°	350.0	164.2	10.6	9.5	6.4	3.7	2.6	2.1	1.6	1.1	1.1
57.5°	373.9	171.1	10.1	8.5	5.3	3.2	2.1	1.6	1.1	1.1	1.1
60°	398.2	177.4	9.0	7.4	4.2	2.6	1.6	1.1	1.1	1.1	1.1
62.5°	429.0	188.0	7.9	6.4	3.7	2.1	1.6	1.1	0.5	0.5	0.5
65°	486.7	206.0	6.9	5.3	2.6	2.1	1.6	1.1	0.5	0.5	0.5
67.5°	523.7	203.4	5.8	4.2	2.6	1.6	1.1	1.1	0.5	0.5	0.5
70°	516.3	183.8	4.8	3.7	2.1	1.6	1.1	1.1	0.5	0.5	0.5
72.5°	401.4	111.7	4.2	3.2	2.1	1.6	1.1	1.1	0.5	0.5	0.5
75°	183.2	24.9	3.7	2.6	1.6	1.6	1.1	1.1	0.5	0.5	0.5
77.5°	32.3	6.4	3.2	2.1	2.1	1.6	1.6	1.1	0.5	0.5	0.5
80°	8.5	4.2	3.2	2.1	2.1	2.6	2.1	1.6	0.5	0.5	0.5
82.5°	5.8	3.2	3.2	2.6	2.6	3.2	2.6	1.6	0.5	0.5	0.5
85°	4.2	2.6	3.2	3.2	2.1	2.6	2.6	1.6	0.5	0.5	0.5
87.5°	2.1	1.1	1.1	1.1	1.1	1.6	1.6	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)