

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: P402574

Luminaire Tested: **GAN-AF-01-LED-U-SL4-AMB**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-18)
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-SL4-AMB
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1179 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (Ain): 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

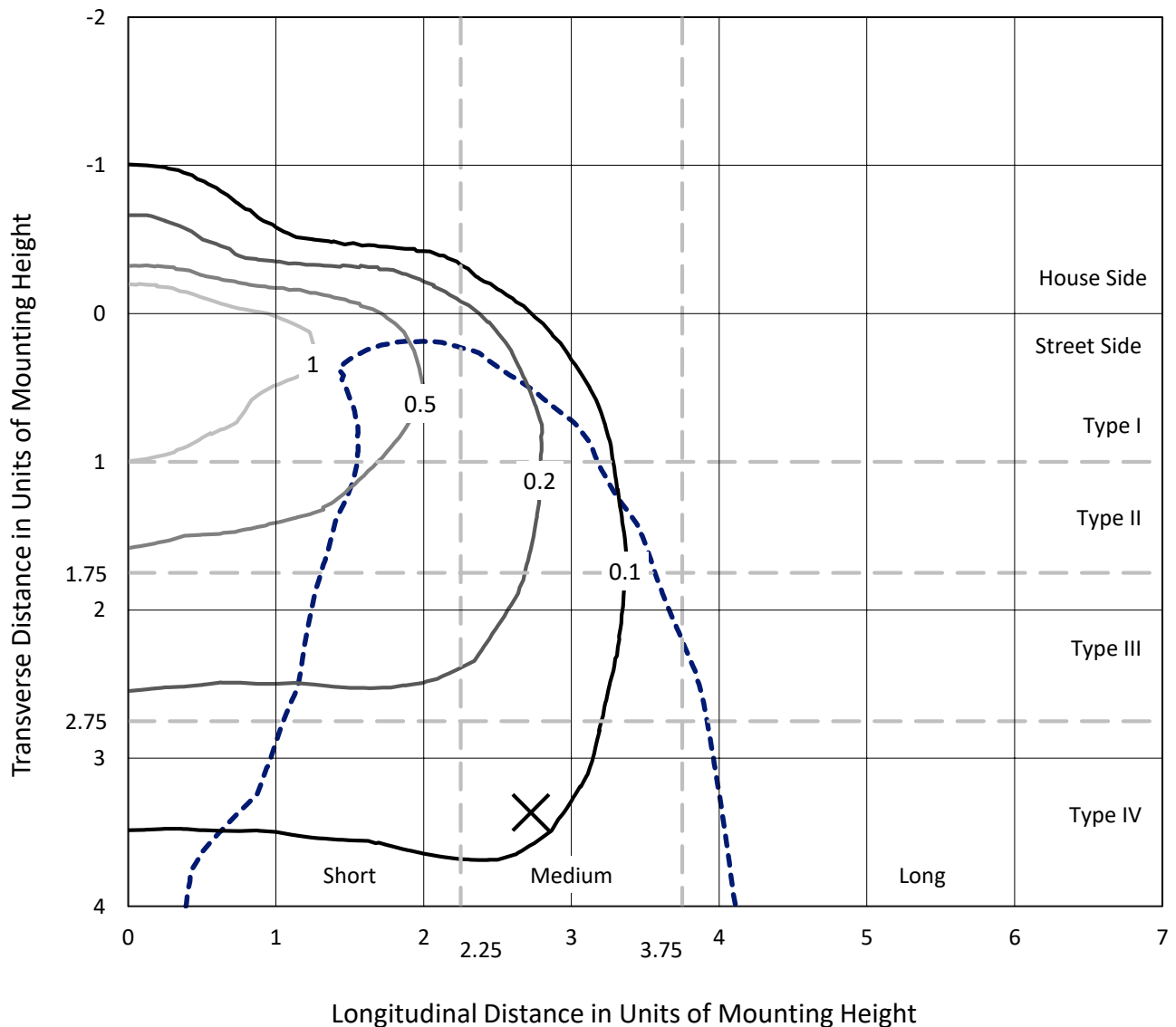


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

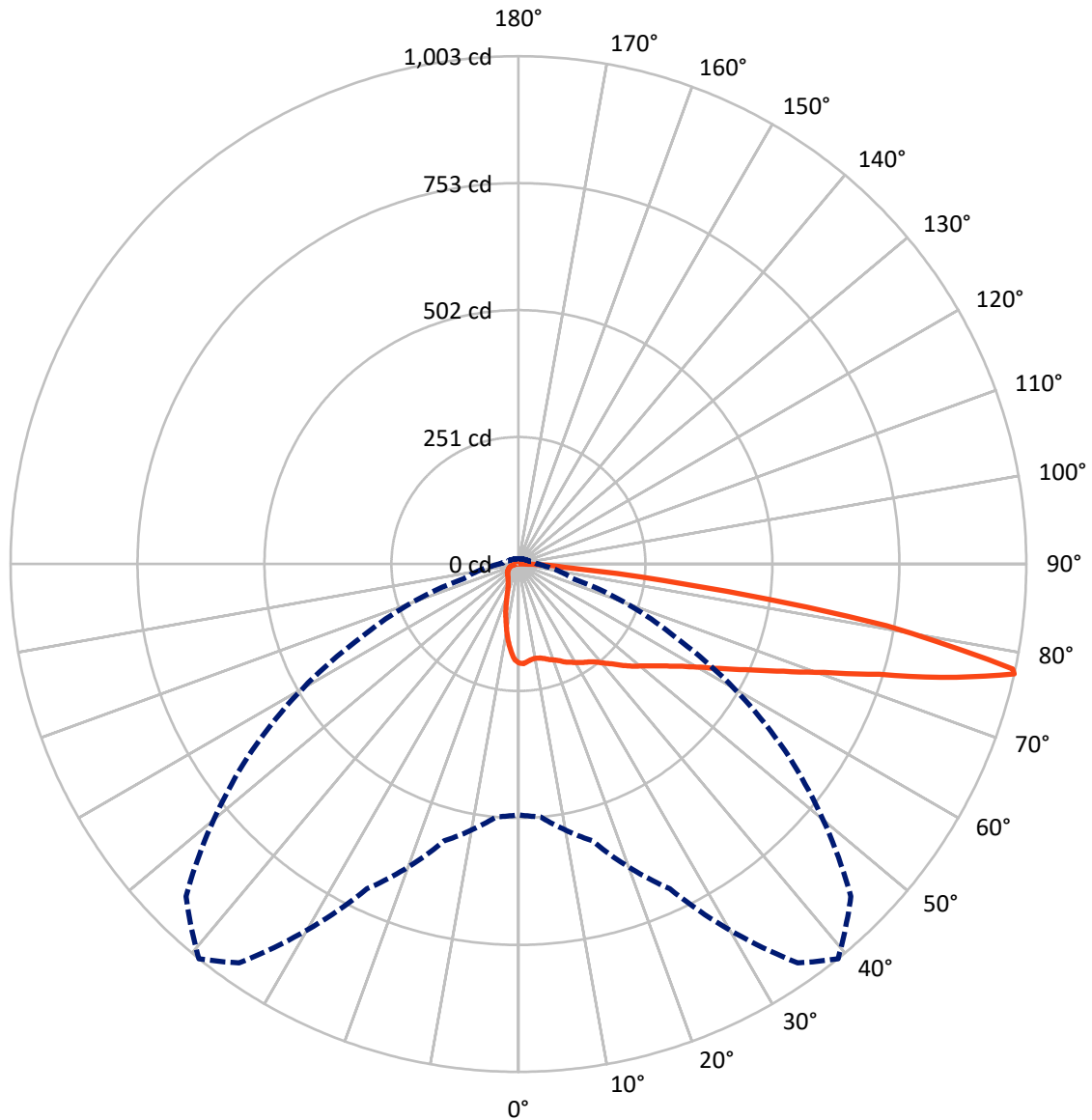


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 77-Deg Vertical



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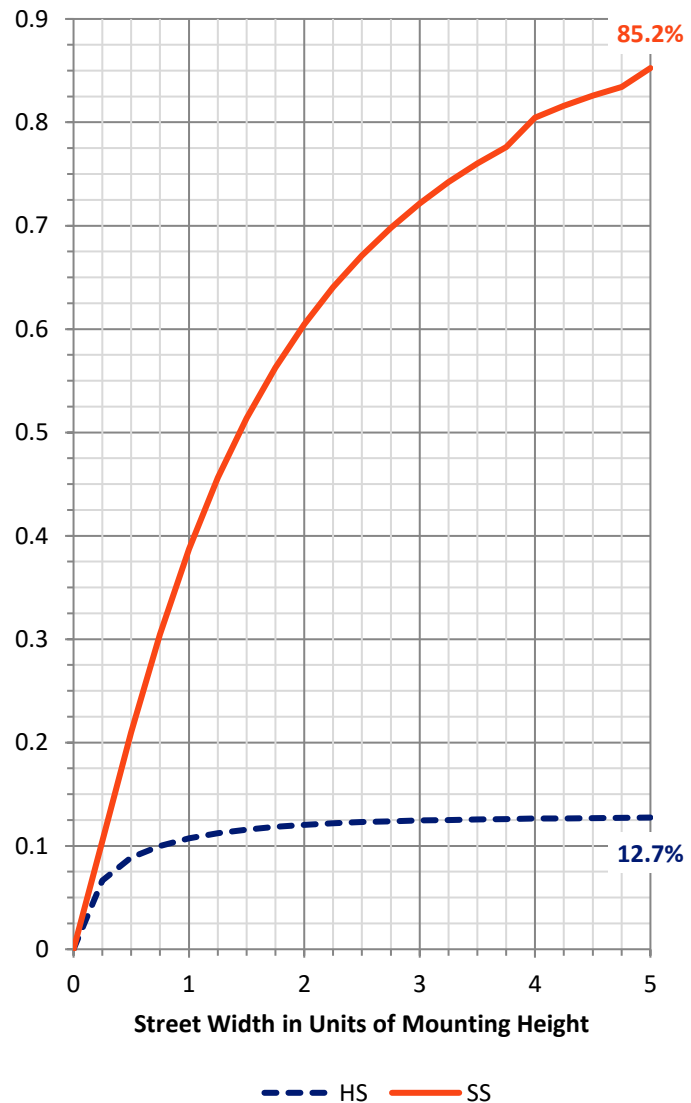
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	152.1	0.0	152.1
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	1026.9	0.0	1026.9
	% Fixture	87.1	0.0	87.1
Total	Lumens	1179.0	0.0	1179.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	1.5
10°-20°	42.9	3.6
20°-30°	65.6	5.6
30°-40°	94.3	8.0
40°-50°	137.0	11.6
50°-60°	196.6	16.7
60°-70°	270.8	23.0
70°-80°	292.2	24.8
80°-90°	62.5	5.3
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°	1179.0	100.0
0°-180°	1179.0	100.0



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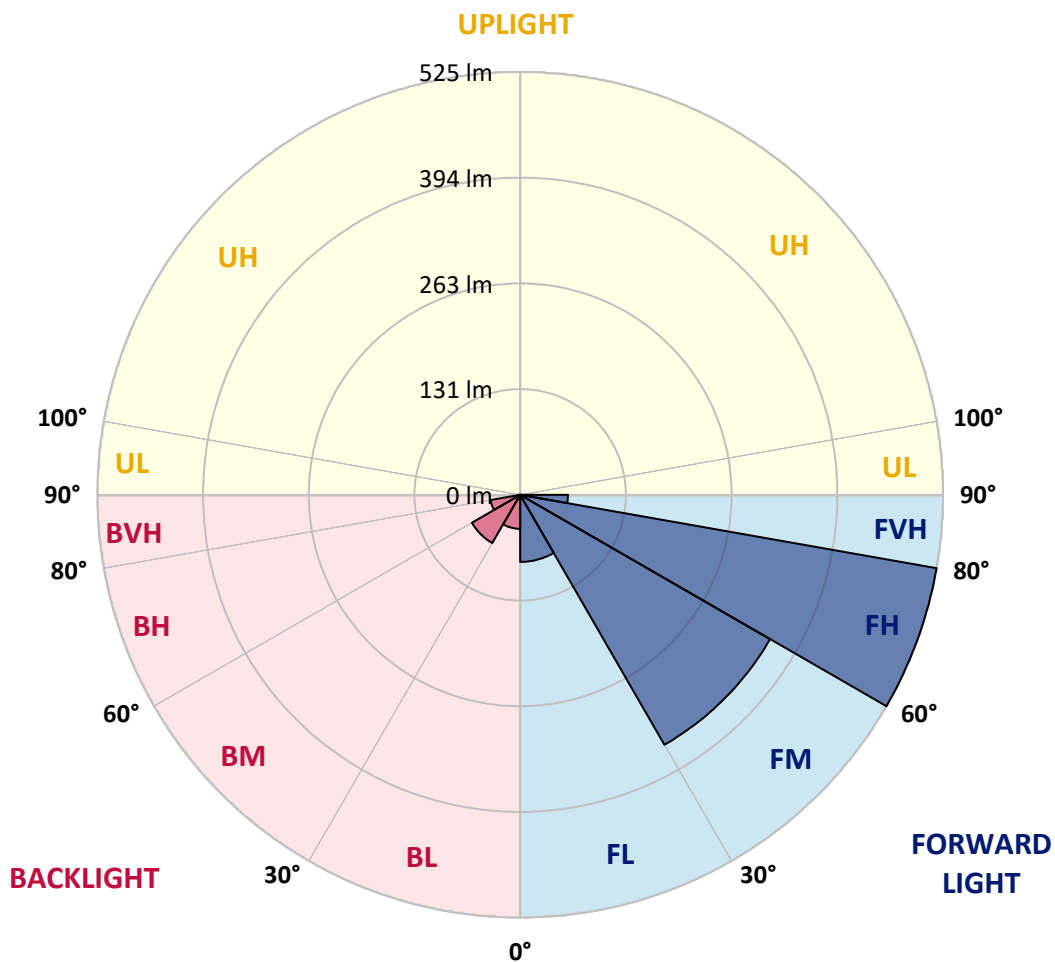
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.4	7.1			
FM (30°-60°)	358.7	30.4			
FH (60°-80°)	525.5	44.6			G0/660
FVH (80°-90°)	59.4	5.0			G1/100
BL (0°-30°)	42.3	3.6	B0/110		
BM (30°-60°)	69.2	5.9	B0/220		
BH (60°-80°)	37.5	3.2	B0/110		G0/110
BVH (80°-90°)	3.1	0.3			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9
2.5°	198.0	196.5	196.5	198.0	197.0	197.0	195.9	197.0	195.9	194.9	195.9
5°	195.4	194.3	193.8	195.4	194.3	193.3	194.3	193.8	193.3	191.2	191.2
7.5°	190.6	189.6	189.6	191.2	191.7	190.1	190.6	191.2	189.6	187.5	188.0
10°	186.4	185.9	186.9	189.0	190.1	189.0	190.1	189.6	187.5	185.3	184.8
12.5°	183.2	182.7	184.3	188.5	190.6	190.6	191.2	189.6	188.0	185.3	183.2
15°	181.1	181.1	184.3	189.6	192.7	193.8	194.3	193.3	189.6	185.9	183.2
17.5°	182.2	181.6	185.9	192.2	195.9	198.6	198.6	197.0	192.2	187.5	184.3
20°	184.8	183.7	189.0	197.0	201.7	202.3	203.3	200.2	195.4	190.1	186.4
22.5°	185.9	188.5	194.3	203.3	206.0	207.6	207.6	204.4	197.5	193.8	189.6
25°	194.3	194.9	201.7	209.7	212.3	214.5	213.4	206.5	200.7	198.6	194.9
27.5°	203.3	203.9	210.7	216.6	218.2	219.8	220.3	210.7	204.9	204.4	199.6
30°	211.3	213.4	220.3	224.5	224.5	226.1	225.6	217.1	210.7	211.8	207.0
32.5°	225.0	224.5	231.4	231.9	229.3	231.9	231.9	222.4	218.2	222.9	215.5
35°	236.7	238.8	242.0	239.3	235.6	237.8	238.8	229.8	227.7	237.2	229.3
37.5°	252.6	251.0	252.6	247.8	242.5	245.2	247.8	239.9	240.9	254.7	244.6
40°	264.8	262.1	263.2	256.8	251.5	256.8	259.5	252.1	256.8	279.1	266.9
42.5°	274.8	272.7	270.6	266.9	262.6	269.5	273.8	267.9	278.0	306.1	294.4
45°	281.7	280.1	276.9	276.4	276.9	285.4	290.7	285.9	299.7	340.0	325.1
47.5°	285.9	284.4	284.9	285.9	290.2	301.3	310.8	306.1	328.3	375.4	354.2
50°	291.8	289.1	289.6	298.6	305.0	316.7	332.0	329.9	359.0	413.0	386.0
52.5°	299.2	294.9	294.9	310.8	320.9	334.1	353.7	356.4	390.8	451.7	418.3
55°	311.4	306.1	302.4	324.1	341.5	355.8	378.6	390.3	425.2	491.9	448.0
57.5°	324.6	319.3	313.5	341.0	364.3	381.3	407.2	424.1	464.4	527.9	469.2
60°	345.2	335.7	329.9	362.7	396.1	413.6	445.3	467.0	505.7	560.8	488.2
62.5°	360.1	352.7	351.1	390.3	435.3	455.4	485.6	508.3	543.8	592.5	504.6
65°	375.4	371.2	371.7	419.9	481.9	504.1	536.9	561.3	593.1	621.7	506.2
67.5°	397.1	392.9	401.9	455.9	535.9	565.0	598.4	619.5	639.7	626.4	477.6
70°	425.7	420.4	436.9	499.3	603.1	640.7	678.8	701.6	662.4	610.0	386.0
72.5°	455.4	451.7	478.7	561.3	697.4	745.6	789.0	776.3	673.6	523.2	251.5
75°	491.4	492.5	535.9	641.3	847.8	893.8	930.4	804.9	568.7	309.2	95.8
77°	495.6	501.5	566.1	708.0	962.1	1003.4	928.8	642.8	342.1	110.7	54.0
77.5°	478.2	483.5	559.2	717.5	975.9	998.7	899.7	600.5	274.3	89.0	47.7
80°	356.4	351.1	433.7	598.4	784.2	737.6	538.5	233.0	80.0	46.1	29.1
82.5°	140.9	150.4	202.8	294.9	383.4	336.8	201.7	101.7	48.2	24.9	12.2
85°	65.1	69.9	76.3	78.4	99.0	102.2	75.7	94.3	34.9	11.6	7.4
87.5°	47.7	49.8	56.1	49.8	48.2	45.5	55.6	102.7	17.5	6.9	3.7
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°	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9
2.5°	194.3	192.7	193.3	192.7	191.7	190.6	189.6	188.5	189.0	189.0	187.5
5°	190.1	188.0	186.9	184.3	181.1	177.9	174.2	171.6	169.4	168.4	169.4
7.5°	185.9	183.2	181.1	174.7	169.4	160.4	154.6	146.7	145.6	144.6	143.5
10°	182.7	180.6	175.3	166.8	155.7	145.1	131.9	123.4	118.1	114.9	116.0
12.5°	180.6	177.9	169.4	156.2	141.9	126.0	111.2	100.1	93.7	89.5	88.4
15°	180.0	175.3	163.1	145.6	126.6	108.6	93.7	80.5	70.4	67.2	66.2
17.5°	180.0	173.7	157.3	134.5	112.3	92.1	75.7	63.5	55.1	51.9	50.8
20°	181.1	173.2	150.4	123.4	98.0	75.7	61.4	51.4	46.6	44.5	44.5
22.5°	182.7	172.6	143.0	111.2	84.2	63.5	50.8	45.0	42.9	41.3	41.3
25°	185.9	172.1	136.6	100.1	72.0	54.5	45.5	41.8	39.7	39.2	39.2
27.5°	190.1	172.6	130.3	89.5	60.9	48.2	41.8	39.7	38.7	38.1	38.1
30°	194.3	173.7	123.4	77.8	53.0	43.4	39.2	37.6	37.1	36.5	36.5
32.5°	199.1	174.7	115.4	68.3	47.1	39.7	37.1	36.0	36.0	35.5	34.9
35°	207.0	176.9	106.4	59.3	42.4	37.1	35.5	34.4	34.4	33.9	33.9
37.5°	218.2	179.5	97.4	53.0	39.2	34.9	33.4	33.4	32.8	32.8	32.3
40°	234.6	186.9	90.0	47.7	36.5	33.4	32.3	31.8	31.8	31.2	31.2
42.5°	253.1	195.9	83.1	44.0	34.9	31.8	30.7	30.7	30.7	30.2	29.7
45°	274.8	204.4	76.8	41.3	33.4	30.7	29.7	29.7	29.1	28.6	28.6
47.5°	298.1	215.0	72.5	39.7	32.8	30.2	29.1	28.1	28.1	27.5	27.5
50°	321.4	224.0	68.8	38.7	32.3	29.1	28.1	27.5	27.0	25.9	25.9
52.5°	343.7	233.5	67.8	37.6	31.2	28.6	27.0	26.5	25.9	24.9	24.9
55°	362.7	244.6	68.8	37.1	30.7	27.5	25.9	25.4	24.9	23.8	23.8
57.5°	376.5	250.5	69.4	37.1	30.2	25.9	24.4	24.9	23.8	23.3	23.3
60°	390.8	255.8	68.8	37.1	29.7	24.4	22.8	23.8	23.3	22.8	22.8
62.5°	400.3	253.6	66.2	37.1	29.1	23.3	21.7	23.3	23.8	22.8	23.3
65°	386.6	229.8	58.2	36.0	29.1	22.2	20.1	22.8	24.4	23.8	23.8
67.5°	336.8	173.7	48.7	33.9	28.1	21.7	18.5	20.7	22.8	22.2	22.8
70°	238.8	104.8	40.2	30.2	25.4	20.7	17.5	17.5	18.0	18.5	19.1
72.5°	123.9	57.2	32.8	26.5	22.2	18.5	15.9	14.8	14.8	14.8	15.4
75°	54.5	37.6	27.0	21.7	18.5	15.9	14.3	12.7	12.7	12.2	12.2
77°	38.1	29.7	22.2	18.0	15.4	13.2	12.7	11.1	11.1	10.6	10.6
77.5°	34.4	27.5	21.7	16.9	14.8	12.7	12.2	10.6	10.6	10.6	10.6
80°	23.3	21.7	16.4	12.7	11.6	10.1	9.5	9.0	8.5	8.5	8.5
82.5°	13.8	15.9	11.6	9.0	8.5	7.4	6.9	6.9	6.9	6.4	5.8
85°	8.5	11.6	7.4	5.8	5.8	4.8	4.8	4.2	4.2	3.7	3.7
87.5°	3.7	7.4	4.2	2.6	2.1	1.6	2.1	1.6	1.6	1.1	1.6
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)