

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: P649726

Luminaire Tested: **GLAN-SA1A-835-U-T4W-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P649726  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1A-835-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2620.7 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

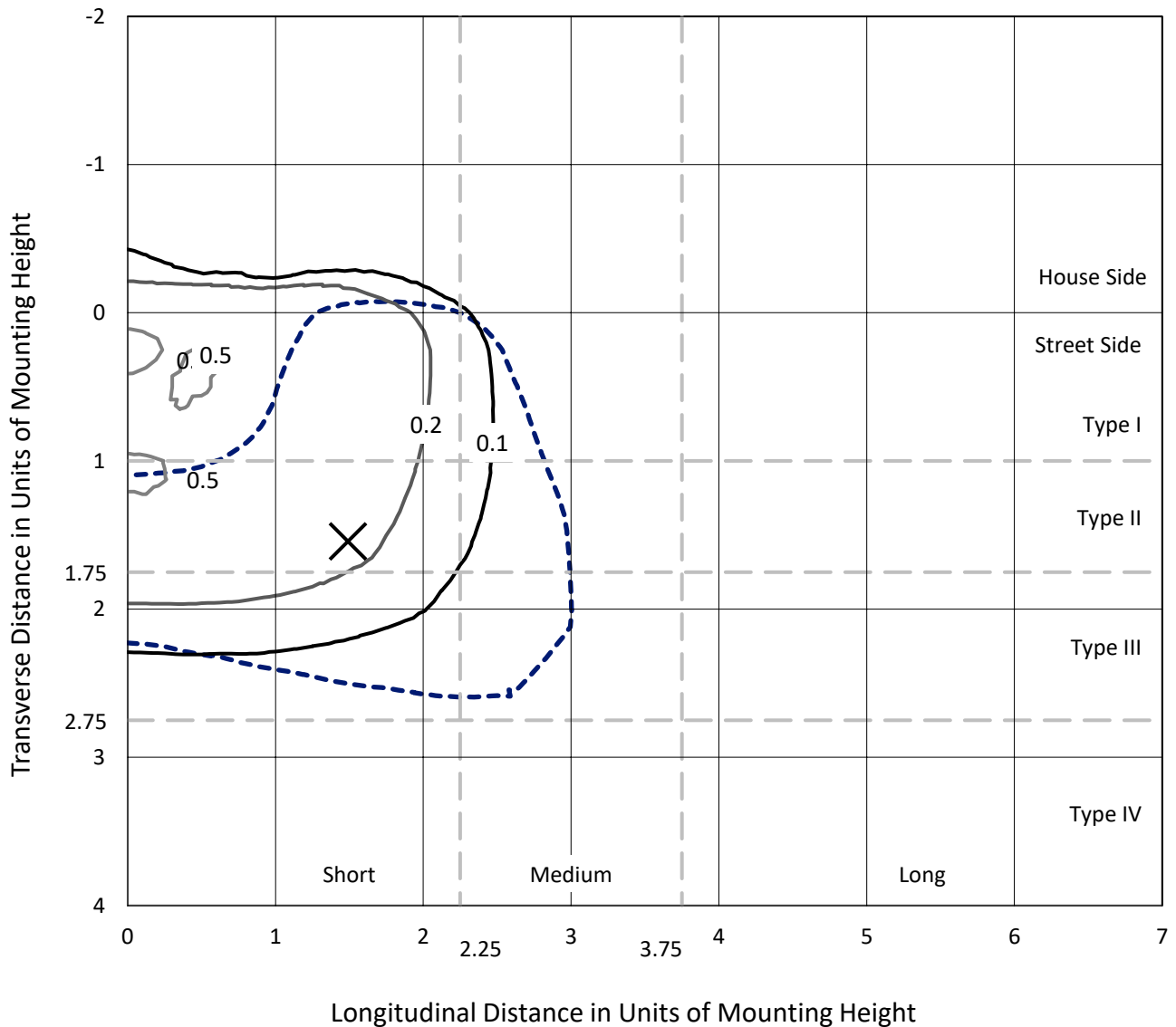
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

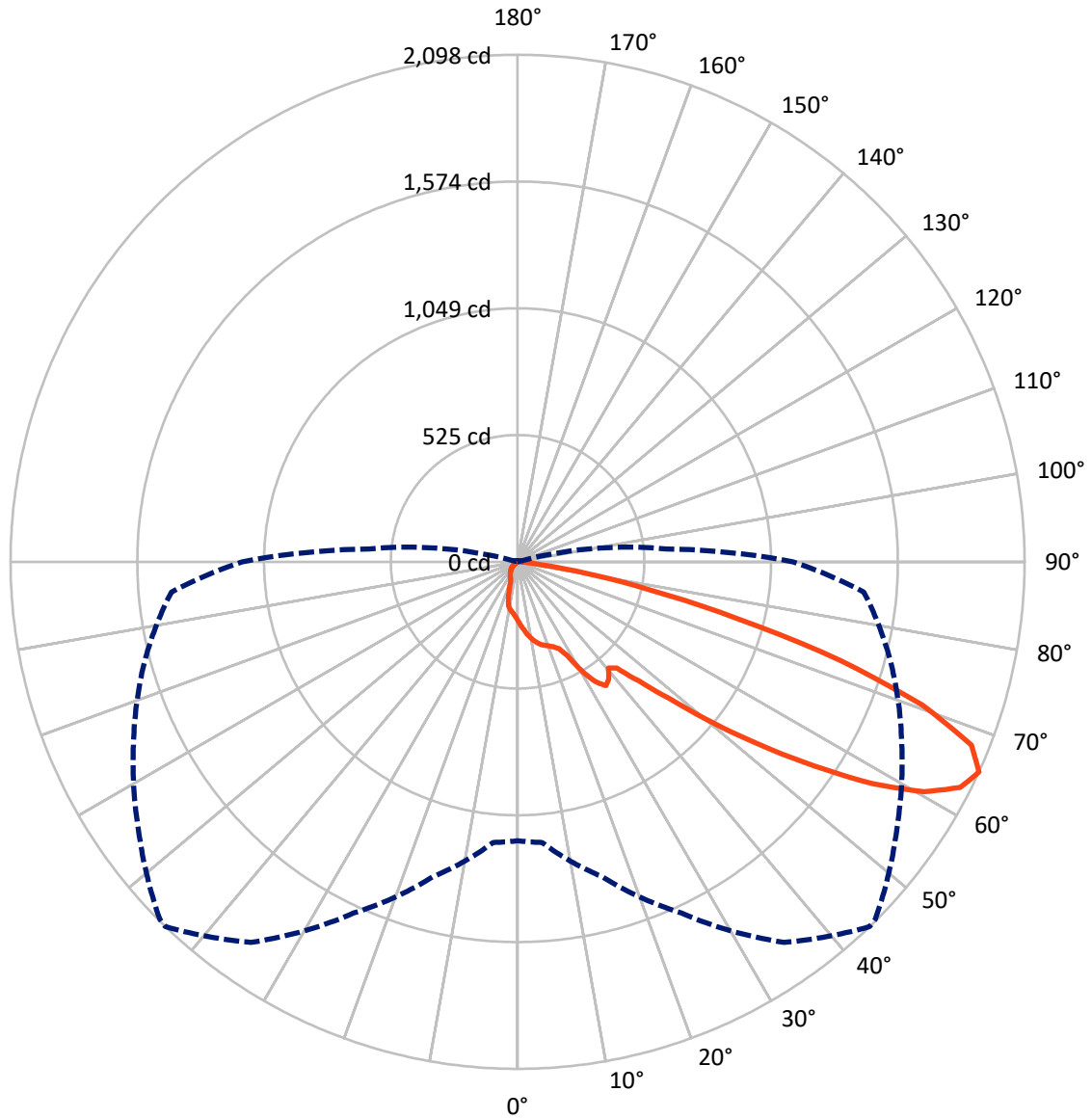
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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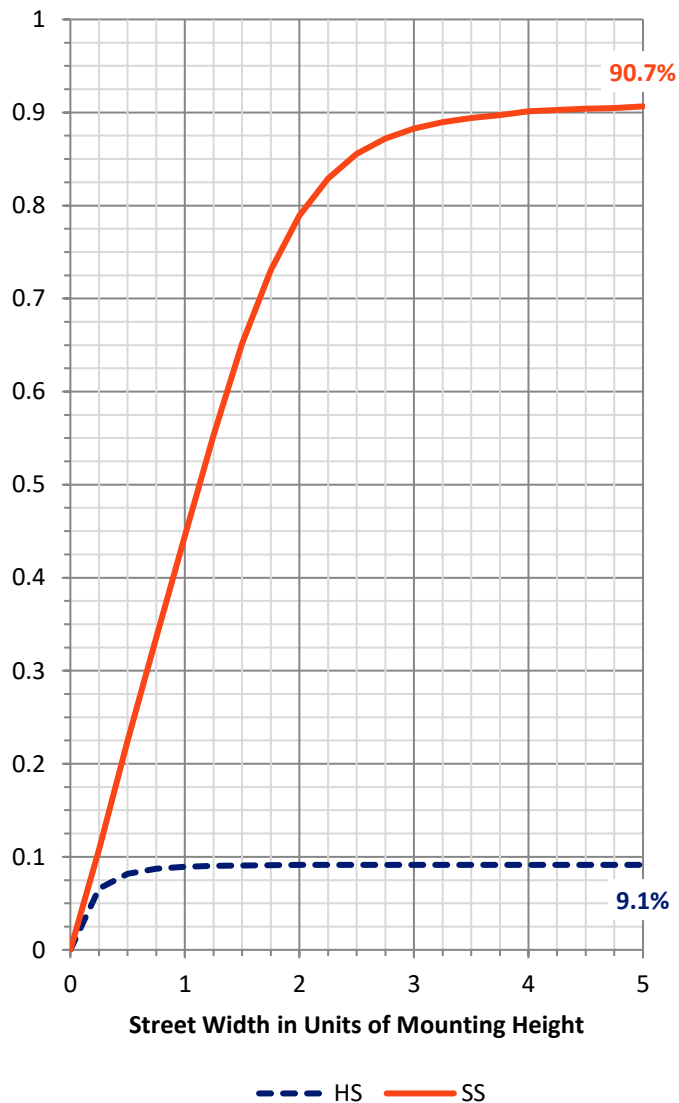
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	241.4	0.0	241.4
	% Fixture	9.2	0.0	9.2
<b>Street Side</b>	Lumens	2379.2	0.0	2379.2
	% Fixture	90.8	0.0	90.8
<b>Total</b>	Lumens	2620.7	0.0	2620.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.3	0.9
10°-20°	73.0	2.8
20°-30°	123.8	4.7
30°-40°	205.8	7.9
40°-50°	359.4	13.7
50°-60°	702.1	26.8
60°-70°	814.7	31.1
70°-80°	296.7	11.3
80°-90°	20.9	0.8
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°	2620.7	100.0
0°-180°	2620.7	100.0

**Coefficient of Utilization**



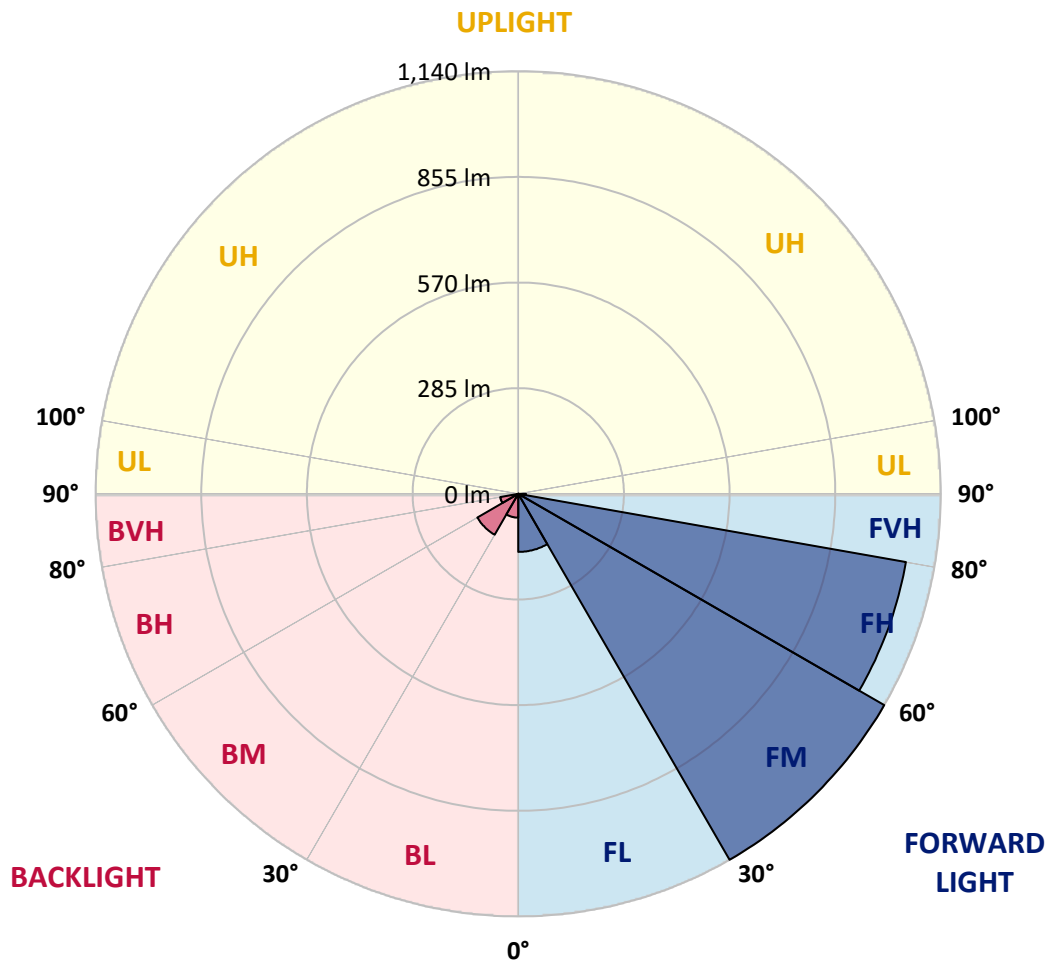
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.7	6.0			
FM (30°-60°)	1140.0	43.5			
FH (60°-80°)	1061.9	40.5			G1/1800
FVH (80°-90°)	20.6	0.8			G1/100
BL (0°-30°)	64.3	2.5	B0/110		
BM (30°-60°)	127.4	4.9	B0/220		
BH (60°-80°)	49.4	1.9	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9
2.5°	274.5	273.3	272.7	269.5	267.2	264.1	264.1	260.3	256.0	251.1	246.7
5°	305.2	303.2	300.6	297.8	292.1	284.2	284.2	276.2	266.9	258.7	249.7
7.5°	334.7	332.9	328.4	323.0	313.8	305.4	304.8	293.2	282.2	269.7	256.9
10°	360.5	359.1	355.2	344.8	335.2	324.2	324.0	311.0	298.2	283.0	267.2
12.5°	378.5	378.7	373.6	363.6	351.3	340.8	340.1	327.2	313.8	297.4	278.0
15°	391.3	391.3	386.1	374.9	363.6	354.5	353.7	342.4	328.6	310.8	289.8
17.5°	394.9	396.1	390.5	380.5	371.5	363.5	363.2	353.8	342.8	325.6	301.8
20°	393.5	394.7	390.3	382.5	376.3	371.7	371.1	367.2	357.0	340.8	314.6
22.5°	390.5	391.7	388.5	383.9	380.9	382.3	381.3	384.5	379.1	359.5	329.8
25°	391.1	392.3	389.9	387.3	389.9	398.5	401.1	414.9	410.1	383.1	346.2
27.5°	409.9	412.3	408.9	410.1	419.3	439.3	444.4	468.2	446.9	413.1	371.8
30°	451.8	450.1	443.7	449.6	481.6	524.1	522.7	518.9	485.6	447.8	402.3
32.5°	489.8	488.4	488.0	513.0	571.1	591.7	590.8	553.9	520.2	487.4	432.4
35°	505.3	499.9	498.6	559.3	656.5	629.2	623.0	568.3	562.4	530.6	463.0
37.5°	551.7	547.9	529.3	566.9	622.4	613.4	608.5	593.1	607.1	568.9	497.6
40°	647.4	636.8	620.0	583.1	574.1	577.9	582.7	625.0	660.2	621.2	543.9
42.5°	766.4	764.0	732.7	664.1	596.6	601.7	608.0	691.5	736.6	699.9	619.4
45°	909.1	912.6	867.5	786.4	697.9	702.3	711.3	789.6	839.8	822.2	738.1
47.5°	1038.9	1036.3	1021.1	936.8	855.1	845.2	859.9	915.6	982.8	985.6	885.5
50°	1169.5	1183.3	1160.6	1127.6	1066.9	1046.3	1040.9	1068.2	1170.7	1157.3	1062.5
52.5°	1357.1	1364.3	1321.9	1313.5	1327.3	1260.4	1255.0	1261.6	1353.3	1307.2	1195.1
55°	1475.1	1470.9	1455.0	1520.7	1575.4	1491.9	1485.1	1458.4	1504.9	1413.2	1322.6
57.5°	1512.3	1518.3	1555.2	1673.9	1803.2	1732.4	1720.0	1644.3	1614.2	1511.9	1440.0
60°	1495.7	1506.7	1586.2	1762.8	1942.2	1931.7	1921.0	1793.9	1692.8	1594.4	1522.3
62.5°	1377.4	1392.8	1520.0	1747.0	1989.3	2055.6	2042.4	1887.2	1745.0	1634.4	1536.7
65°	1154.3	1165.7	1348.3	1603.4	1922.4	2098.0	2093.3	1916.4	1753.2	1597.8	1438.1
67.5°	822.9	861.7	1030.9	1351.3	1724.6	2025.5	2033.8	1881.4	1676.1	1439.4	1190.9
70°	517.2	543.7	665.1	967.4	1382.5	1777.0	1804.1	1721.0	1454.7	1122.0	797.2
72.5°	246.7	266.4	352.8	612.4	975.9	1398.2	1419.6	1412.8	1124.9	706.9	411.3
75°	109.9	117.4	168.4	312.6	630.0	939.8	995.3	1004.5	702.9	345.9	160.0
77.5°	56.1	56.3	78.9	151.4	314.6	560.7	571.7	603.9	381.1	152.4	55.7
80°	29.8	31.9	41.9	71.5	163.2	276.2	274.8	302.0	169.0	74.7	18.6
82.5°	13.4	14.8	23.6	37.4	79.7	104.8	112.9	123.6	72.5	47.7	8.2
85°	4.0	4.8	11.6	18.8	28.8	30.2	33.8	43.7	41.0	33.8	4.2
87.5°	0.6	0.6	4.8	5.2	4.2	5.4	5.6	6.2	13.2	12.4	2.2
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°	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9
2.5°	244.3	242.9	237.9	233.7	230.1	227.9	225.3	223.7	222.9	222.3	222.5
5°	245.3	241.9	233.3	226.5	221.3	215.6	211.9	209.7	208.7	207.0	207.0
7.5°	251.0	245.5	233.5	223.1	214.1	206.5	199.3	196.6	194.8	194.4	194.0
10°	258.9	252.1	235.7	221.3	208.4	198.0	187.8	178.8	171.8	167.6	167.0
12.5°	269.0	259.1	239.1	220.1	203.7	185.3	158.2	140.0	127.8	123.9	124.6
15°	278.1	267.6	242.5	219.1	194.8	153.6	122.9	102.1	95.9	95.3	95.5
17.5°	289.2	276.6	246.5	217.7	170.6	117.4	91.3	85.7	86.9	88.9	88.7
20°	300.6	286.2	251.3	209.3	136.2	88.3	80.7	81.3	83.1	84.9	85.3
22.5°	312.8	297.1	256.9	189.0	103.9	76.9	76.5	77.3	79.1	81.1	81.5
25°	329.6	311.0	261.1	162.6	78.7	71.1	71.9	73.3	74.9	77.1	77.5
27.5°	351.3	329.6	263.3	128.2	68.1	65.9	66.1	68.1	70.1	72.1	72.1
30°	379.3	351.9	258.9	96.9	62.9	60.8	60.1	61.3	63.9	65.9	66.1
32.5°	404.3	372.9	247.3	74.1	59.0	56.3	54.3	54.5	55.4	56.7	56.8
35°	429.3	393.3	227.5	62.2	55.0	51.8	48.9	47.3	46.4	45.9	46.4
37.5°	461.4	418.7	201.1	56.7	51.7	47.7	43.5	40.1	37.3	35.5	35.9
40°	502.6	454.0	169.8	53.1	48.5	43.7	38.1	33.7	28.8	27.2	26.5
42.5°	570.7	507.5	136.9	50.0	45.3	39.5	32.4	26.5	22.0	20.4	20.8
45°	678.2	575.0	105.5	46.8	42.0	34.8	27.2	20.8	17.2	16.4	16.8
47.5°	820.8	662.3	81.3	43.2	38.1	29.8	21.5	16.4	14.3	14.0	13.8
50°	955.0	743.5	67.9	39.2	33.3	24.8	17.6	13.8	12.4	12.2	12.2
52.5°	1076.4	801.8	55.3	34.6	28.0	20.4	14.8	12.2	11.0	10.4	10.4
55°	1184.3	839.8	44.9	29.0	22.0	16.2	12.8	11.0	9.6	8.8	8.6
57.5°	1265.8	844.5	33.7	23.3	16.4	12.6	11.0	9.6	8.0	7.0	6.6
60°	1300.6	804.6	24.8	17.6	12.2	10.0	8.8	7.8	6.0	5.0	4.8
62.5°	1265.6	727.1	18.4	13.4	9.4	7.4	6.2	5.8	4.2	3.0	2.8
65°	1140.0	615.2	14.6	10.2	7.0	5.4	4.0	3.8	2.6	1.4	1.2
67.5°	913.4	481.8	11.6	7.6	5.0	3.6	2.6	2.4	1.4	0.4	0.4
70°	594.0	308.0	9.4	5.6	3.2	2.4	1.6	1.2	0.8	0.2	0.0
72.5°	293.8	144.0	7.6	4.4	2.2	1.2	0.6	0.4	0.6	0.0	0.0
75°	113.9	51.3	5.6	3.0	1.2	0.6	0.4	0.0	0.2	0.0	0.0
77.5°	37.8	17.0	3.4	1.6	0.8	0.4	0.0	0.0	0.0	0.0	0.0
80°	14.0	6.6	1.8	1.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0
82.5°	5.6	2.6	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.8	1.6	0.8	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.2	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0
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)