

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: P192969

Luminaire Tested: **GAN-AF-01-LED-U-SL4-7030-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P192969  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24294)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-01-LED-U-SL4-7030-600  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3773.8 lumens  
Efficiency: N/A  
Efficacy: 111.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

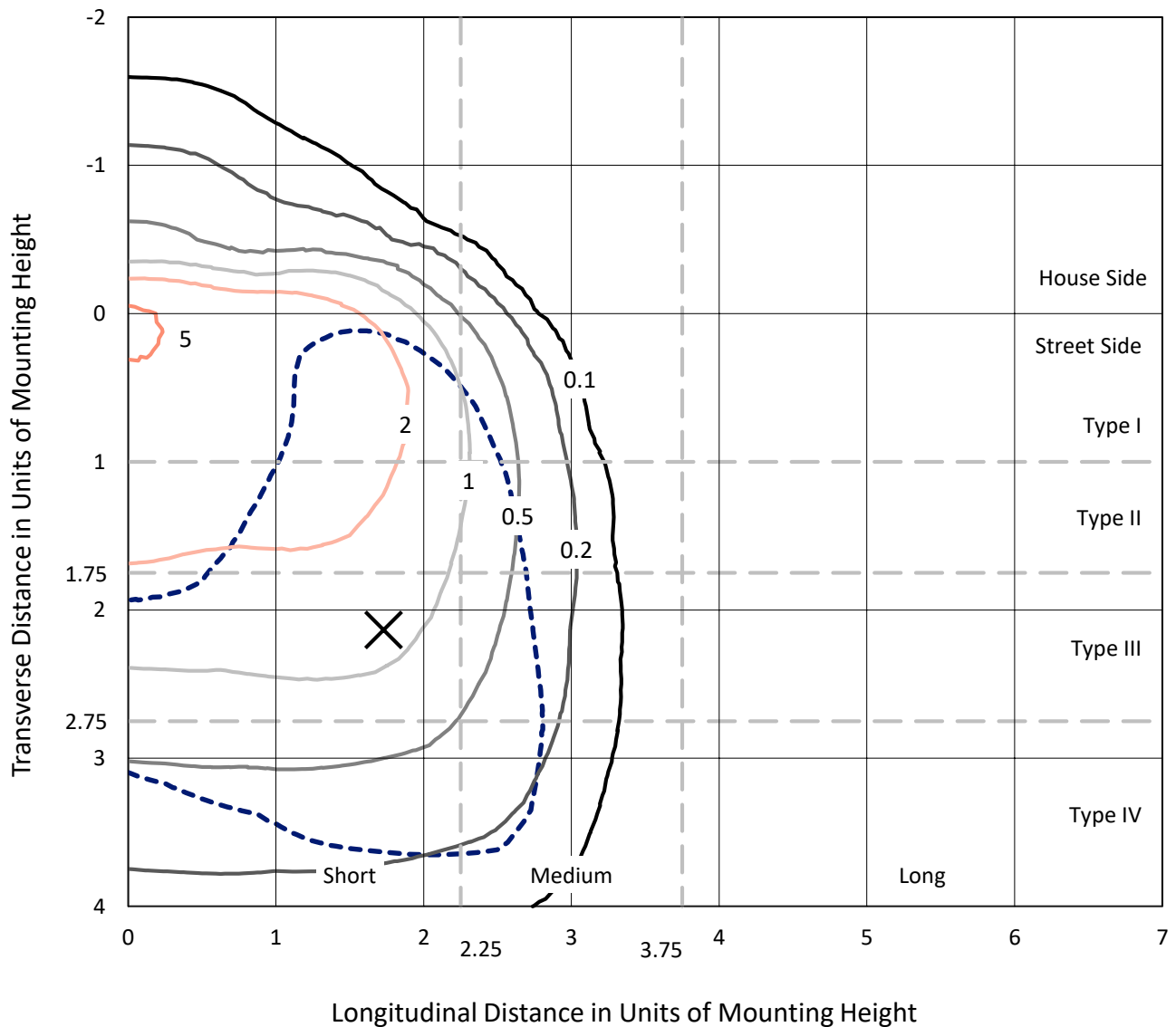
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

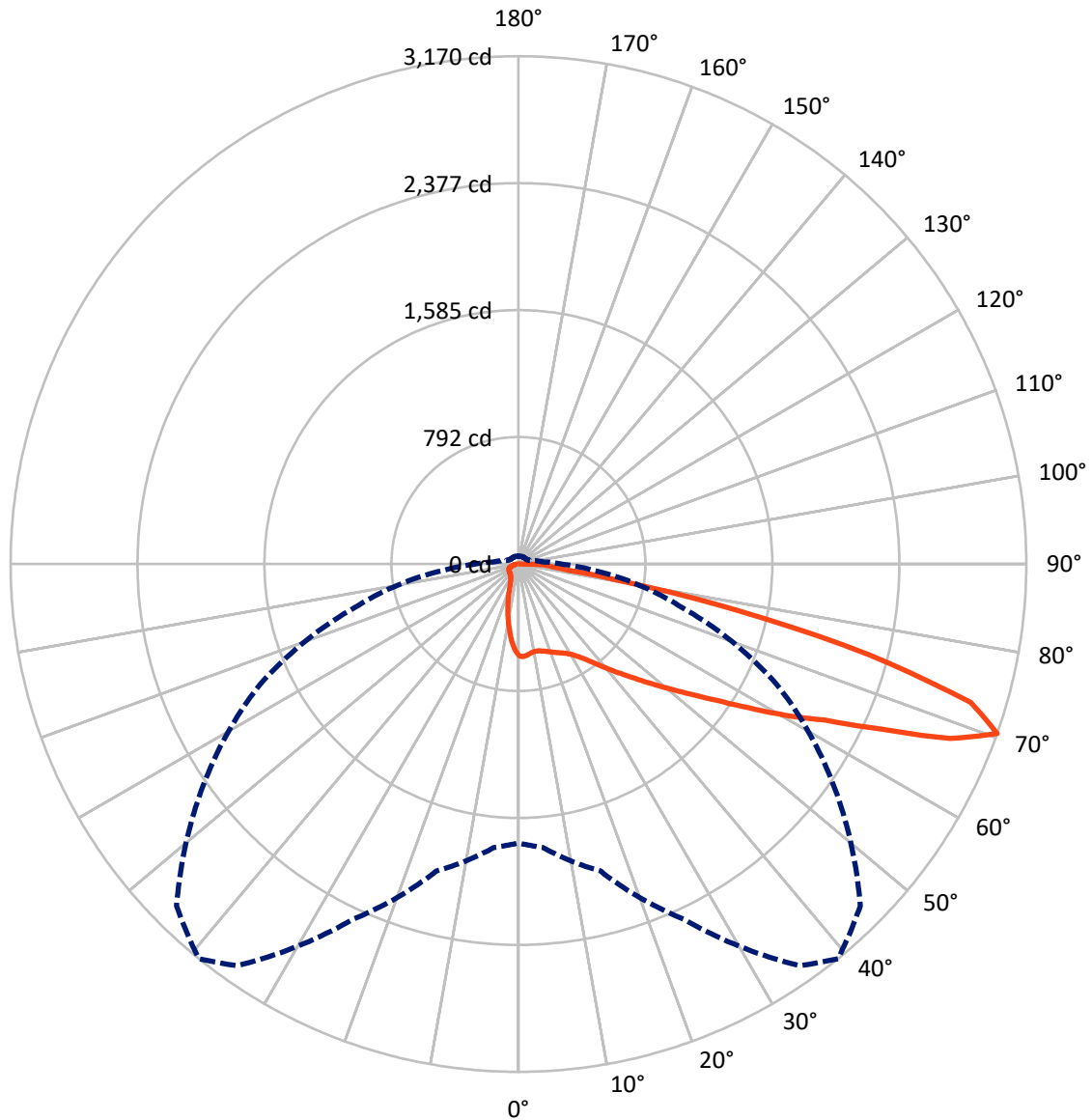
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	429.2	0.0	429.2
	% Fixture	11.4	0.0	11.4
<b>Street Side</b>	Lumens	3344.6	0.0	3344.6
	% Fixture	88.6	0.0	88.6
<b>Total</b>	Lumens	3773.8	0.0	3773.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.2	1.3
10°-20°	122.9	3.3
20°-30°	191.4	5.1
30°-40°	298.1	7.9
40°-50°	500.5	13.3
50°-60°	795.0	21.1
60°-70°	1060.5	28.1
70°-80°	640.4	17.0
80°-90°	115.9	3.1
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°	3773.8	100.0
0°-180°	3773.8	100.0



REPORT NUMBER: P192969

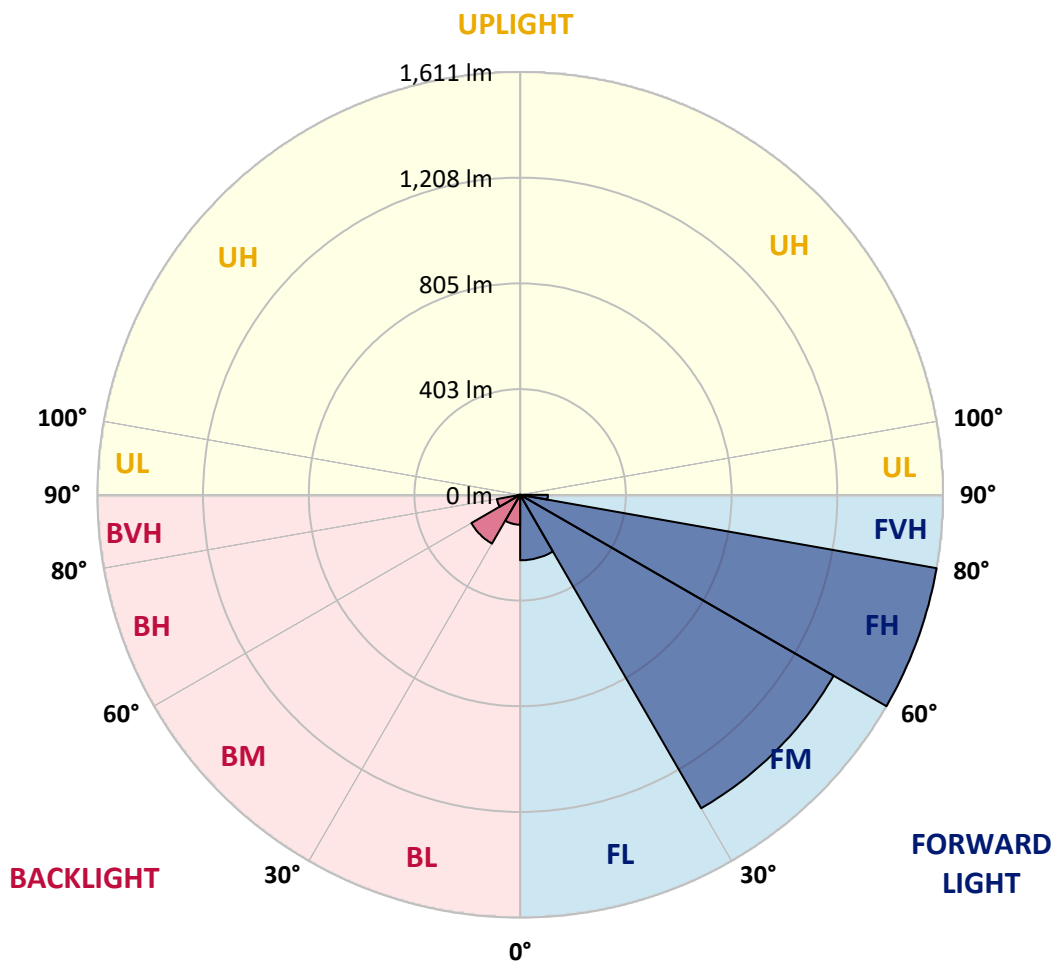
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	249.6	6.6			
FM	(30°-60°)	1378.8	36.5			
FH	(60°-80°)	1610.8	42.7			G1/1800
FVH	(80°-90°)	105.5	2.8			G2/225
BL	(0°-30°)	113.9	3.0	B1/500		
BM	(30°-60°)	214.8	5.7	B0/220		
BH	(60°-80°)	90.1	2.4	B0/110		G0/110
BVH	(80°-90°)	10.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9
2.5°	584.1	583.9	582.4	581.1	580.1	579.8	580.6	577.8	575.2	572.2	568.9
5°	579.6	579.4	577.0	574.7	572.3	571.5	571.4	566.2	563.1	558.6	552.5
7.5°	574.8	573.8	570.7	566.8	562.8	560.8	559.0	552.2	548.7	544.1	537.0
10°	569.9	568.7	565.6	561.8	558.0	555.0	551.9	545.3	541.6	538.2	529.9
12.5°	564.7	563.7	562.9	561.3	558.6	556.0	553.5	547.9	544.1	540.1	530.6
15°	563.9	563.6	565.2	566.4	564.9	563.3	560.6	555.8	551.9	547.8	535.4
17.5°	570.0	569.9	574.2	577.3	576.6	573.8	570.3	564.9	561.6	558.1	542.6
20°	583.5	584.4	589.8	593.9	590.0	586.1	580.1	572.7	571.0	569.5	550.1
22.5°	608.8	609.7	613.6	615.1	605.2	599.7	591.3	581.7	580.6	581.7	559.1
25°	648.4	647.4	646.9	641.1	622.8	614.1	603.6	593.6	594.3	599.4	571.8
27.5°	700.7	695.6	687.5	670.2	641.3	631.6	618.7	609.5	613.2	623.3	590.8
30°	755.0	749.3	730.6	702.4	665.4	654.9	640.5	630.1	639.7	655.4	616.1
32.5°	805.2	804.4	777.3	741.0	698.8	689.5	675.2	663.5	679.0	703.0	654.1
35°	860.2	861.8	829.3	785.7	743.8	734.3	724.0	715.1	735.9	768.8	709.2
37.5°	918.9	922.3	883.8	834.6	795.3	791.2	785.1	781.3	813.3	859.0	786.1
40°	997.3	993.9	940.4	889.9	858.4	858.2	856.3	861.0	914.3	976.8	884.9
42.5°	1081.3	1071.2	1000.4	949.1	927.7	934.1	938.1	956.9	1035.7	1119.9	1005.4
45°	1172.0	1149.1	1062.8	1012.0	1004.6	1018.4	1031.5	1072.4	1178.7	1282.8	1137.4
47.5°	1244.3	1222.2	1127.2	1077.8	1093.6	1114.6	1139.7	1204.4	1338.7	1451.1	1267.7
50°	1301.3	1286.8	1192.2	1154.5	1191.7	1223.9	1265.0	1353.8	1505.3	1615.0	1388.3
52.5°	1356.6	1345.7	1257.9	1233.1	1306.8	1351.3	1407.1	1514.3	1676.0	1776.1	1489.9
55°	1406.3	1398.7	1328.5	1331.3	1442.3	1500.2	1570.5	1696.9	1862.1	1919.9	1575.8
57.5°	1462.7	1452.8	1409.1	1454.1	1616.3	1691.6	1782.9	1902.2	2036.7	2047.6	1641.3
60°	1519.2	1510.8	1498.5	1596.2	1837.3	1916.4	2002.9	2101.2	2213.8	2146.8	1637.5
62.5°	1568.3	1569.3	1591.1	1745.2	2053.7	2145.3	2250.8	2347.9	2373.9	2164.1	1516.3
65°	1651.6	1666.7	1731.4	1956.3	2358.5	2480.8	2610.4	2594.8	2418.4	2002.7	1256.7
67.5°	1750.7	1777.3	1908.3	2237.6	2743.5	2906.1	2956.1	2650.6	2240.8	1628.0	895.8
70°	1740.6	1777.3	1984.7	2447.3	3060.9	3169.8	3018.0	2398.9	1779.4	1063.5	475.9
72.5°	1545.7	1598.1	1829.1	2351.2	2960.9	2951.3	2620.0	1788.5	1057.2	427.1	186.0
75°	1178.1	1231.1	1429.7	1857.5	2340.3	2259.7	1859.0	987.9	401.2	169.6	117.2
77.5°	677.7	718.7	872.2	1139.1	1484.8	1402.1	1034.8	439.3	195.3	118.2	91.6
80°	378.4	401.2	494.4	577.9	727.5	666.9	462.9	273.0	145.9	85.8	70.6
82.5°	299.2	319.5	399.9	364.6	332.3	306.6	265.9	243.1	116.5	54.1	42.2
85°	261.3	280.7	338.4	287.1	226.9	208.1	216.0	239.3	90.5	32.7	36.0
87.5°	242.1	268.0	301.7	221.2	176.7	156.6	199.4	262.3	29.2	20.3	14.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P192969

CATALOG NUMBER: GAN-AF-01-LED-U-SL4-7030-600

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9
2.5°	566.0	562.9	558.0	553.5	546.7	543.0	538.9	536.1	533.7	531.9	535.0
5°	548.6	542.8	532.2	520.9	507.5	496.9	488.2	479.8	474.0	470.3	473.0
7.5°	532.1	522.7	506.2	485.6	462.6	443.0	426.8	412.7	402.9	396.6	399.2
10°	522.7	510.9	485.4	453.2	419.2	388.8	363.4	341.6	326.3	317.7	319.0
12.5°	520.4	505.3	470.0	425.6	379.1	336.7	301.0	270.8	249.4	238.3	238.7
15°	522.0	502.7	455.3	399.2	340.4	286.8	242.3	205.5	180.8	168.0	167.9
17.5°	525.0	500.7	440.0	370.5	301.0	238.8	189.2	153.1	131.2	121.1	120.3
20°	528.0	497.6	422.8	339.6	260.1	194.4	148.1	119.9	106.1	100.5	100.2
22.5°	532.4	495.1	404.8	307.0	220.0	158.3	121.9	102.8	95.6	92.7	92.4
25°	539.5	493.7	385.9	273.0	184.0	132.4	106.1	94.4	90.1	88.3	88.1
27.5°	551.4	495.6	367.9	240.1	154.6	114.9	97.2	90.1	87.1	85.3	85.2
30°	566.8	501.5	349.2	208.8	131.7	103.0	91.9	87.3	84.7	83.0	83.0
32.5°	592.3	511.6	329.4	181.7	115.5	94.8	87.9	84.7	82.7	81.4	81.2
35°	629.9	530.4	311.1	159.3	103.8	88.8	84.4	82.2	80.7	79.9	79.9
37.5°	684.6	560.1	294.7	143.1	96.7	84.7	81.2	79.4	78.4	78.4	78.4
40°	758.0	601.2	281.5	132.4	92.7	82.0	78.6	77.3	76.7	76.9	76.9
42.5°	848.8	654.5	272.6	124.9	90.8	80.2	76.9	75.8	75.2	75.1	75.2
45°	952.3	715.1	271.7	119.3	88.8	79.1	75.8	74.7	73.5	72.7	72.7
47.5°	1052.8	776.8	279.6	117.5	86.8	77.7	74.9	73.6	72.0	70.3	70.3
50°	1141.6	829.1	290.1	118.2	86.0	75.8	73.3	72.7	70.0	68.1	68.0
52.5°	1212.2	869.3	298.8	120.5	86.8	74.4	71.3	71.6	68.8	66.5	66.4
55°	1268.8	895.8	296.4	122.8	88.5	73.6	69.6	70.0	67.7	65.7	65.7
57.5°	1293.6	886.1	271.0	120.8	89.8	73.9	68.3	69.8	68.0	66.0	66.0
60°	1240.4	799.1	223.1	112.4	88.1	73.3	67.7	70.6	70.4	68.5	68.3
62.5°	1079.7	643.5	173.0	100.0	82.2	70.4	66.2	70.4	72.5	72.0	71.8
65°	832.1	458.4	132.2	86.6	74.1	65.7	62.2	66.0	68.9	69.6	69.5
67.5°	540.1	280.9	101.8	73.9	65.0	60.1	57.1	58.7	59.3	59.3	58.9
70°	265.5	151.3	81.2	62.2	55.8	54.1	52.3	51.5	50.5	49.7	49.7
72.5°	131.0	98.8	66.7	52.6	48.2	47.4	47.0	45.9	45.2	44.1	43.7
75°	96.9	80.5	56.9	44.4	41.4	40.7	41.4	40.5	40.3	39.6	39.2
77.5°	79.6	68.5	48.9	38.0	35.5	34.2	35.3	35.5	35.7	34.5	34.2
80°	64.7	57.9	40.9	31.4	29.2	28.2	29.0	30.5	30.9	29.2	28.4
82.5°	46.7	47.4	33.0	24.6	22.6	21.9	23.4	25.3	25.6	23.2	22.6
85°	39.2	39.6	25.3	17.5	15.6	14.4	16.9	18.8	20.1	17.7	17.1
87.5°	16.3	23.2	14.5	9.9	8.6	7.4	9.1	10.0	12.1	11.2	10.9
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)