

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: P533817

Luminaire Tested: **GLAN-SA9B-735-U-AFL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9B-735-U-AFL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35847 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

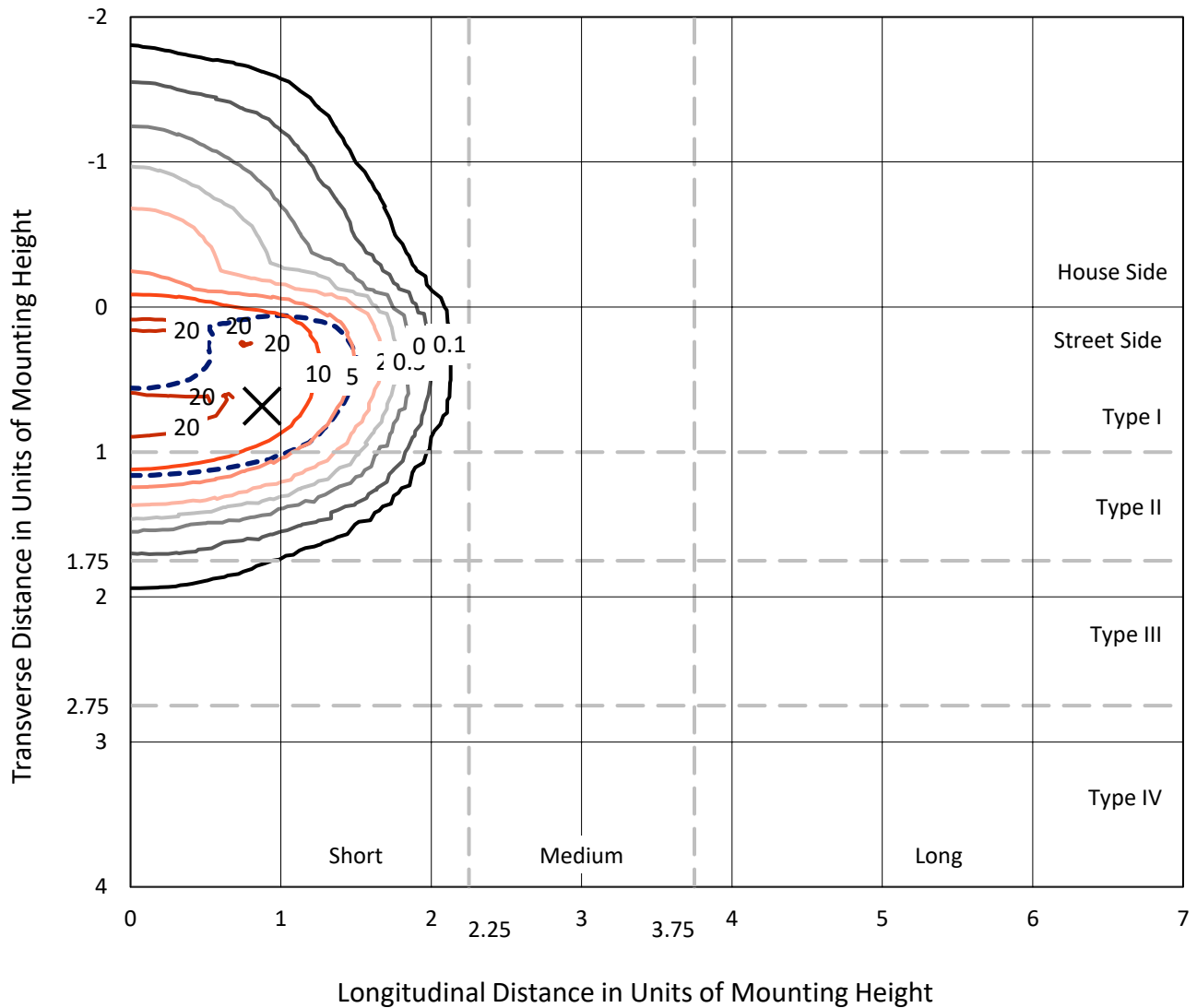
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

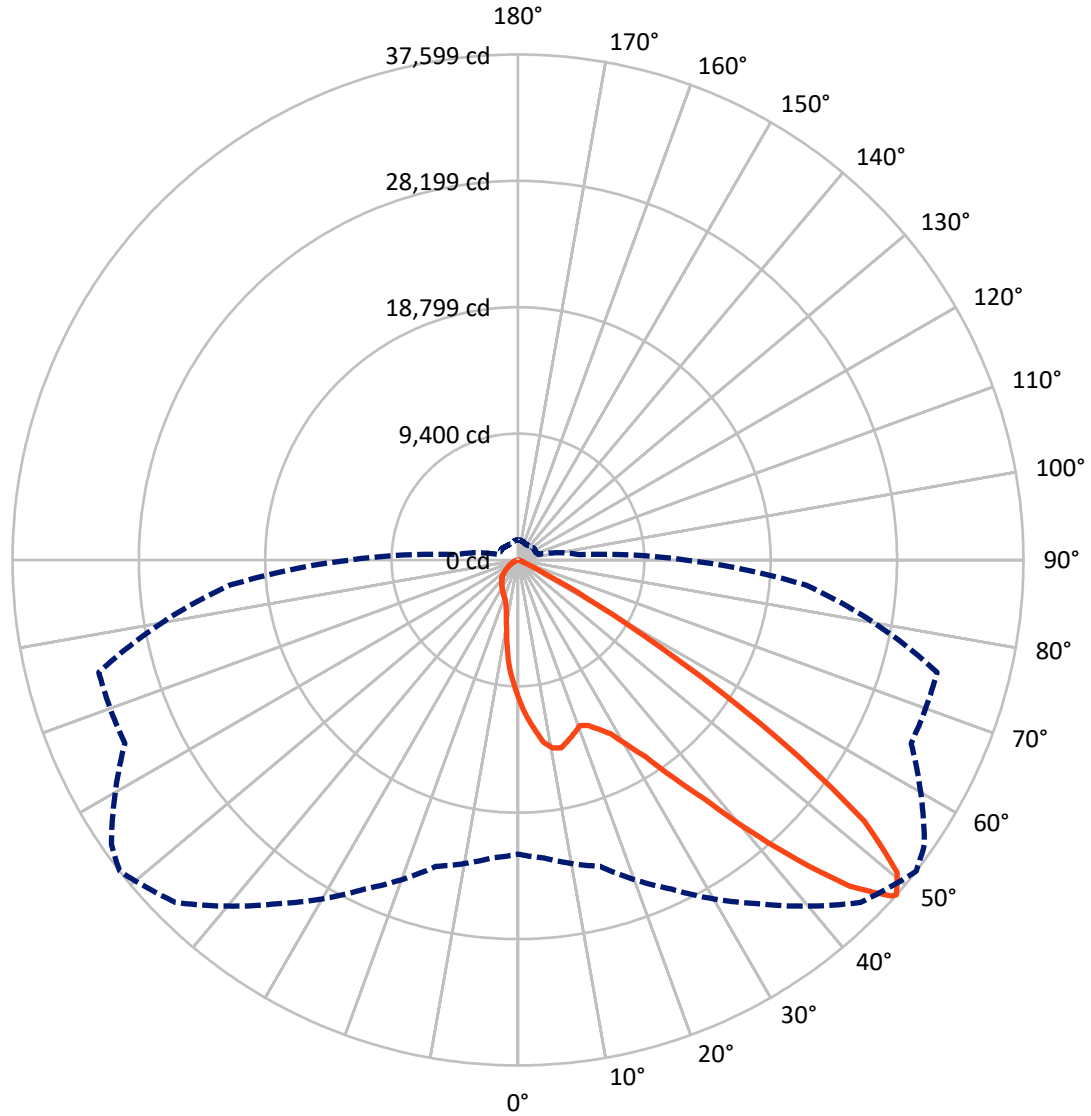
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 48-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4364.7	0.0	4364.7
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	31482.4	0.0	31482.4
	% Fixture	87.8	0.0	87.8
Total	Lumens	35847.0	0.0	35847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	947.5	2.6
10°-20°	2476.2	6.9
20°-30°	4227.8	11.8
30°-40°	7785.6	21.7
40°-50°	12091.0	33.7
50°-60°	7276.7	20.3
60°-70°	841.6	2.3
70°-80°	162.9	0.5
80°-90°	37.7	0.1
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°	35847.0	100.0
0°-180°	35847.0	100.0

Coefficient of Utilization



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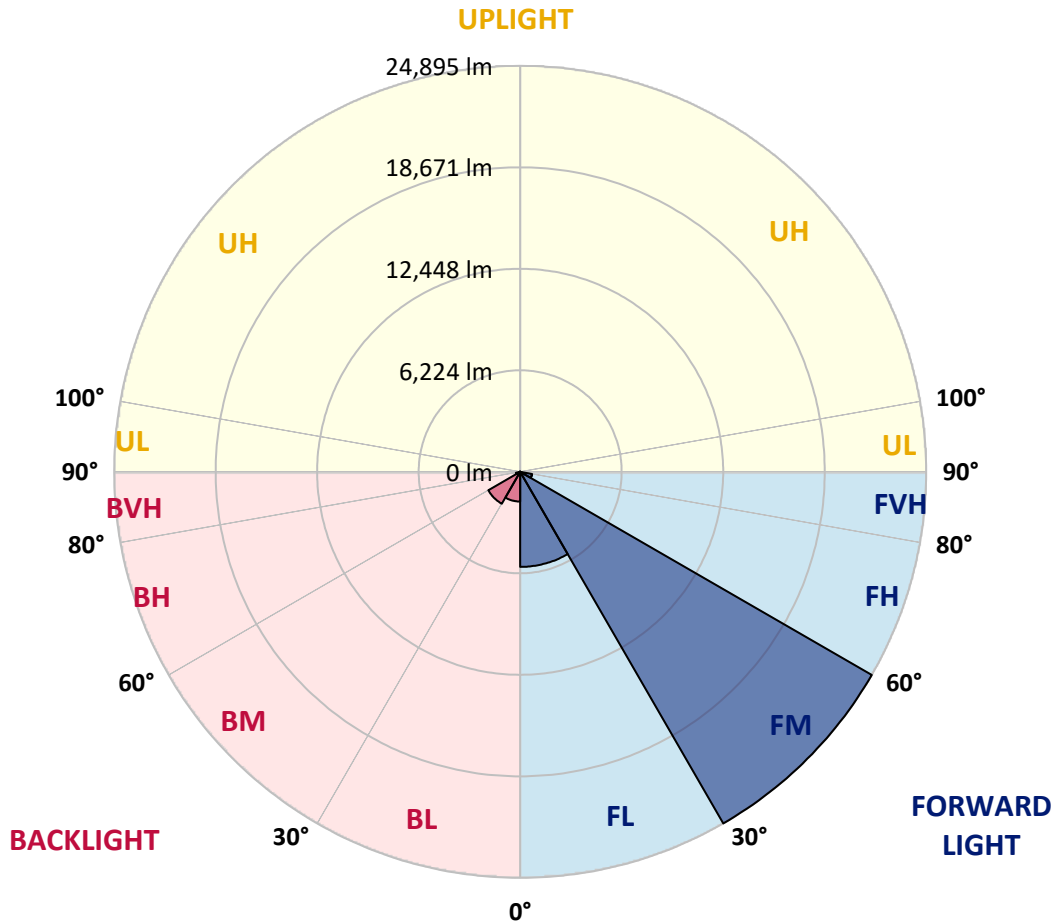
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5828.3	16.3			
FM (30°-60°)	24895.0	69.4			
FH (60°-80°)	741.1	2.1			G1/1800
FVH (80°-90°)	17.9	0.1			G1/100
BL (0°-30°)	1823.3	5.1	B3/2500		
BM (30°-60°)	2258.2	6.3	B2/2500		
BH (60°-80°)	263.4	0.7	B1/500		G1/500
BVH (80°-90°)	19.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0
2.5°	12546.8	12259.4	12285.5	12097.4	11987.6	11810.0	11569.6	11522.6	11261.3	10905.9	10545.4
5°	13675.5	13607.6	13696.4	13424.7	13435.2	13142.5	12578.1	12588.6	11987.6	11407.6	10848.5
7.5°	13748.7	13591.9	13680.8	13921.1	14062.2	14010.0	13691.2	13414.3	12844.7	11992.9	11177.7
10°	12311.6	12609.5	12703.6	13100.7	13665.1	14260.8	14224.2	14239.9	13764.4	12651.3	11459.9
12.5°	11449.4	11250.8	11569.6	11810.0	12661.8	13816.6	14344.4	14459.4	14496.0	13288.8	11742.0
15°	11057.5	11057.5	11109.7	11177.7	11794.3	12860.3	13936.8	14271.3	15060.3	14124.9	12186.2
17.5°	11303.1	11292.6	11365.8	11224.7	11454.6	12275.1	13560.6	13942.0	15692.6	14945.4	12536.3
20°	12050.4	12086.9	12039.9	11632.3	11648.0	12264.6	13142.5	13743.5	16121.1	15656.1	13001.4
22.5°	13090.3	13111.2	12844.7	12400.5	12269.8	12572.9	13382.9	13842.8	16466.0	16507.8	13142.5
25°	14292.2	14208.5	14156.3	13529.2	13132.1	13393.3	13926.4	14192.9	16680.3	17239.4	13544.9
27.5°	15959.1	15791.9	15473.2	14914.0	14621.4	14250.4	14631.8	15070.8	17291.7	18263.7	13983.8
30°	18420.4	18274.1	17652.3	16931.1	16162.9	15797.1	15917.3	16157.7	18394.3	19449.9	14563.9
32.5°	22125.4	21817.1	20918.3	19543.9	18498.8	17490.3	17458.9	17715.0	19381.9	21090.7	15253.7
35°	26206.6	26112.6	24790.5	23374.3	21352.0	19794.8	19820.9	19956.8	21273.6	23243.7	16157.7
37.5°	28918.8	29436.1	28594.8	27074.1	25375.8	23149.6	22585.3	22632.3	23870.8	25793.8	17788.1
40°	31014.2	30575.3	30674.6	30319.2	29159.1	27643.7	26394.8	26149.2	26875.5	28615.7	19408.1
42.5°	30099.8	30120.7	30732.1	31573.4	31860.8	31751.1	30476.0	30010.9	29446.6	30925.4	20949.6
45°	27518.3	28056.5	28850.8	31077.0	33031.4	34865.6	34614.7	33841.3	31223.3	32754.4	21838.0
47.5°	23400.5	23379.6	24680.8	27575.8	31918.3	36213.8	37353.0	36809.5	32482.7	32550.6	21655.1
48°	21879.8	22256.1	23599.0	27006.2	31212.8	36015.2	37598.6	36914.0	32268.4	32278.9	21498.3
50°	16173.4	16105.5	17777.7	21958.2	27878.9	33841.3	36563.9	37096.9	32263.2	30904.5	20400.9
52.5°	8543.9	8836.6	10054.2	13806.2	19711.2	27696.0	32252.7	33083.6	31124.0	28657.5	18822.8
55°	3631.8	3281.7	4217.1	6234.2	11088.8	18504.0	23661.8	25511.6	26316.4	25360.1	16466.0
57.5°	1296.0	1416.2	1630.4	2346.3	4661.3	10127.3	14109.3	15546.3	18232.3	18608.5	11219.5
60°	830.9	846.6	914.5	1076.5	1750.6	3903.6	6694.1	7838.5	9056.1	9348.7	5236.1
62.5°	642.8	648.0	679.3	705.5	830.9	1515.4	2513.5	2978.6	3093.6	2659.9	1374.3
65°	538.2	543.5	553.9	553.9	590.5	710.7	877.9	966.7	940.6	930.2	778.6
67.5°	412.8	423.3	444.2	444.2	465.1	433.7	486.0	517.3	585.3	710.7	663.7
70°	324.0	329.2	344.9	355.3	355.3	313.5	350.1	381.5	428.5	527.8	522.6
72.5°	250.8	261.3	271.7	271.7	256.1	214.3	250.8	277.0	308.3	365.8	355.3
75°	193.3	193.3	198.6	162.0	125.4	109.7	151.5	182.9	229.9	240.4	198.6
77.5°	52.3	57.5	52.3	47.0	52.3	78.4	99.3	115.0	146.3	146.3	130.6
80°	0.0	5.2	15.7	31.4	52.3	73.2	88.8	99.3	115.0	125.4	120.2
82.5°	0.0	5.2	15.7	31.4	47.0	57.5	78.4	83.6	94.1	109.7	109.7
85°	0.0	5.2	10.5	20.9	31.4	36.6	36.6	31.4	31.4	26.1	20.9
87.5°	0.0	0.0	5.2	10.5	10.5	15.7	15.7	15.7	15.7	15.7	15.7
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°	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0	10352.0
2.5°	10404.3	10242.3	9996.7	9610.0	9239.0	8998.6	8768.6	8512.6	8371.5	8361.0	8282.7
5°	10529.7	10163.9	9578.6	8915.0	8204.3	7592.9	6976.2	6573.9	6213.3	6014.7	5978.1
7.5°	10597.6	10122.1	9176.2	8063.2	6850.8	5852.7	5162.9	4656.1	4457.5	4311.2	4305.9
10°	10738.7	10048.9	8575.3	6934.4	5434.7	4426.1	3950.6	3720.7	3610.9	3569.1	3506.4
12.5°	10843.2	9913.1	7958.7	5774.3	4295.5	3668.4	3459.4	3407.1	3412.4	3433.3	3407.1
15°	10989.5	9792.9	7127.8	4739.7	3605.7	3302.6	3302.6	3313.1	3386.2	3396.7	3391.4
17.5°	10979.1	9557.7	6270.8	3903.6	3187.6	3145.8	3161.5	3260.8	3307.8	3323.5	3286.9
20°	11104.5	9338.2	5387.6	3334.0	2952.5	3015.2	3119.7	3145.8	3203.3	3213.8	3172.0
22.5°	11067.9	8789.5	4567.2	2884.6	2774.8	2895.0	2999.5	3030.9	3015.2	2983.8	2978.6
25°	11000.0	8319.2	3814.7	2586.7	2644.2	2774.8	2874.1	2816.6	2785.3	2790.5	2795.7
27.5°	10879.8	7723.5	3192.9	2377.7	2466.5	2659.9	2654.6	2633.7	2665.1	2639.0	2665.1
30°	10858.9	7127.8	2680.8	2189.5	2335.9	2477.0	2487.4	2524.0	2560.6	2513.5	2560.6
32.5°	10890.3	6474.6	2315.0	2074.6	2257.5	2262.7	2377.7	2414.3	2388.1	2283.6	2294.1
35°	11130.6	5972.9	2048.5	2011.9	2132.1	2137.3	2247.0	2200.0	2085.0	2022.3	2058.9
37.5°	11637.5	5554.9	1923.0	1954.4	1964.8	2032.8	2038.0	1943.9	1954.4	1949.2	1970.1
40°	12285.5	5236.1	1834.2	1902.1	1891.7	1938.7	1750.6	1802.9	1849.9	1865.6	1876.0
42.5°	12729.7	5006.2	1776.7	1818.5	1797.6	1714.0	1609.5	1661.8	1698.3	1755.8	1766.3
45°	12928.3	4823.3	1708.8	1672.2	1672.2	1520.7	1478.9	1489.3	1572.9	1635.6	1625.2
47.5°	12604.3	4645.6	1588.6	1478.9	1515.4	1390.0	1343.0	1343.0	1431.8	1510.2	1494.5
48°	12478.9	4572.4	1593.8	1437.1	1463.2	1369.1	1322.1	1311.6	1410.9	1484.1	1484.1
50°	11857.0	4300.7	1458.0	1322.1	1269.8	1259.4	1228.0	1238.5	1301.2	1369.1	1369.1
52.5°	10644.7	3715.4	1233.3	1134.0	1039.9	1102.6	1118.3	1097.4	1128.7	1191.4	1186.2
55°	8883.6	2853.2	987.6	940.6	867.5	935.4	966.7	940.6	909.3	956.3	956.3
57.5°	5690.7	1536.3	789.1	799.5	726.4	794.3	820.4	757.7	700.2	736.8	731.6
60°	2565.8	919.7	648.0	632.3	585.3	663.7	705.5	632.3	553.9	580.0	606.2
62.5°	961.5	653.2	491.2	480.8	470.3	543.5	564.4	506.9	428.5	444.2	449.4
65°	705.5	574.8	391.9	355.3	376.2	428.5	418.1	360.6	308.3	308.3	318.8
67.5°	601.0	501.7	318.8	277.0	277.0	282.2	261.3	229.9	214.3	224.7	235.2
70°	470.3	397.1	250.8	214.3	193.3	172.4	151.5	146.3	130.6	146.3	141.1
72.5°	303.1	266.5	193.3	162.0	146.3	120.2	99.3	94.1	78.4	73.2	73.2
75°	162.0	162.0	151.5	130.6	115.0	94.1	78.4	62.7	41.8	31.4	31.4
77.5°	115.0	125.4	135.9	125.4	104.5	78.4	62.7	41.8	20.9	10.5	10.5
80°	109.7	125.4	135.9	120.2	104.5	78.4	57.5	31.4	15.7	5.2	5.2
82.5°	99.3	115.0	125.4	109.7	94.1	67.9	52.3	31.4	15.7	5.2	5.2
85°	20.9	26.1	31.4	31.4	36.6	47.0	36.6	26.1	10.5	5.2	5.2
87.5°	15.7	15.7	15.7	15.7	15.7	15.7	10.5	10.5	5.2	5.2	5.2
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)