

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: McGRAW-EDISON

Report Number: P530808

Luminaire Tested: **GALN-SA6A-740-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-740-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22942 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

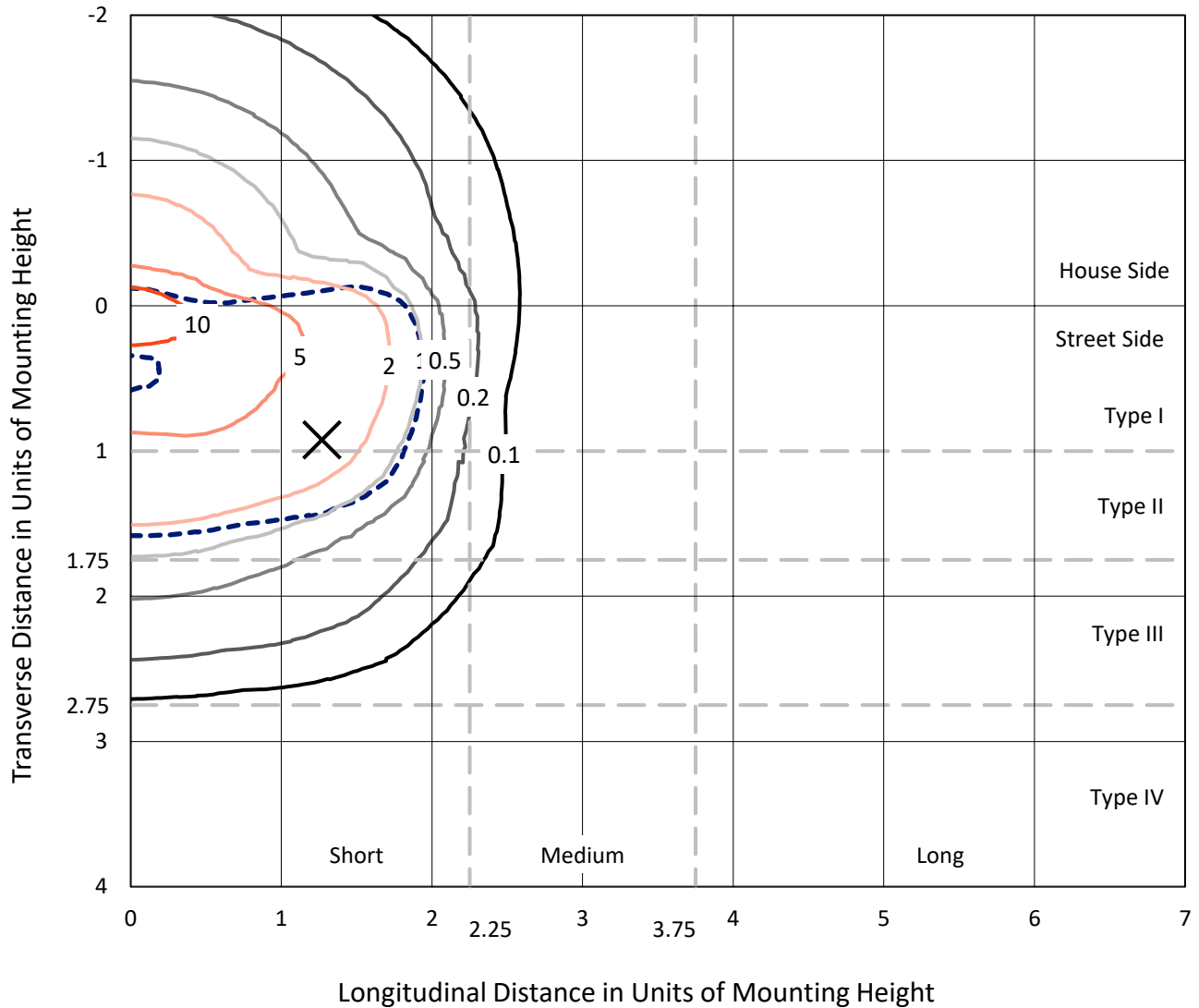
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

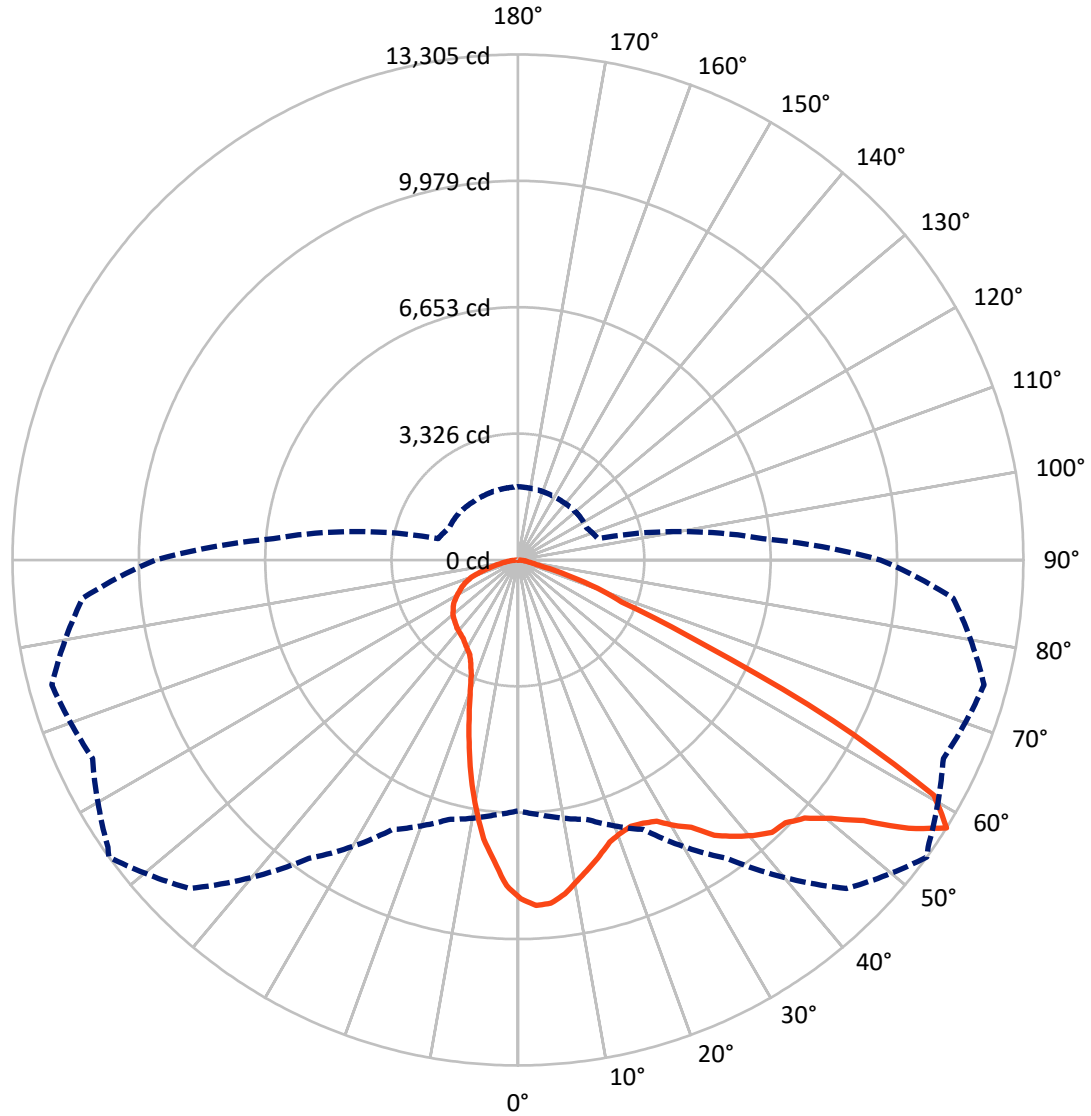
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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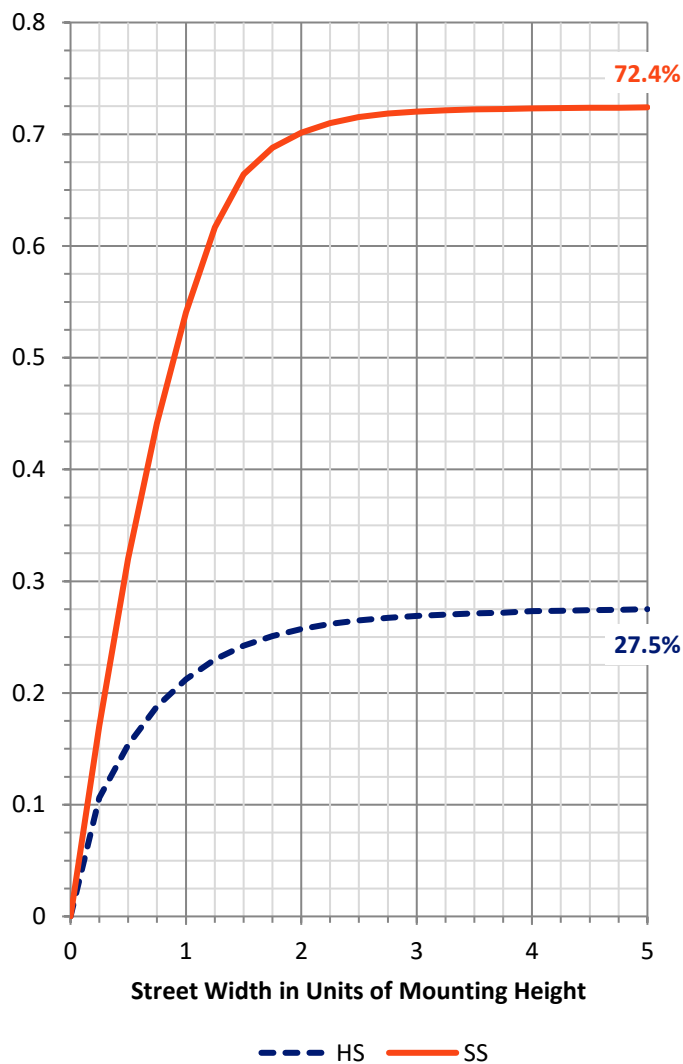
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6347.0	0.0	6347.0
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	16595.0	0.0	16595.0
	% Fixture	72.3	0.0	72.3
Total	Lumens	22942.0	0.0	22942.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.0	3.4
10°-20°	1780.6	7.8
20°-30°	2501.7	10.9
30°-40°	3497.5	15.2
40°-50°	4734.9	20.6
50°-60°	5767.3	25.1
60°-70°	3003.9	13.1
70°-80°	769.7	3.4
80°-90°	117.4	0.5
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°	22942.0	100.0
0°-180°	22942.0	100.0



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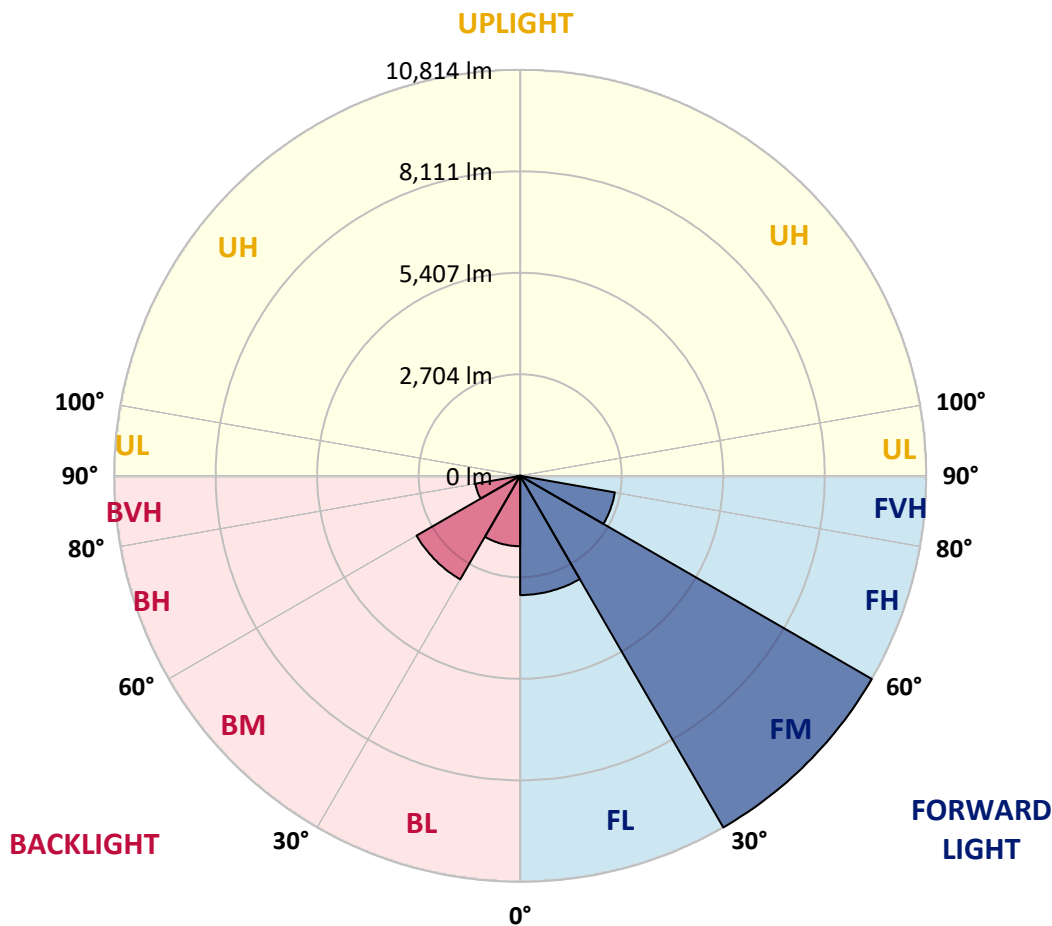
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3175.5	13.8			
FM (30°-60°)	10814.2	47.1			
FH (60°-80°)	2561.0	11.2			G2/5000
FVH (80°-90°)	44.4	0.2			G1/100
BL (0°-30°)	1875.9	8.2	B3/2500		
BM (30°-60°)	3185.5	13.9	B3/5000		
BH (60°-80°)	1212.6	5.3	B3/2500		G3/2500
BVH (80°-90°)	73.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3
2.5°	9170.9	9135.5	9141.4	9188.6	9129.6	9106.0	9106.0	8991.0	8999.9	8920.2	8899.6
5°	8958.6	8876.0	8932.0	9002.8	9014.6	9038.2	9076.5	9047.0	8964.5	8879.0	8740.4
7.5°	8404.2	8477.9	8498.6	8548.7	8654.8	8752.2	8873.1	8790.5	8787.5	8702.0	8619.5
10°	7917.6	7873.4	7985.5	8059.2	8236.1	8398.3	8584.1	8575.2	8619.5	8522.1	8380.6
12.5°	7434.0	7398.6	7451.7	7619.8	7867.5	8103.4	8324.6	8242.0	8477.9	8460.2	8156.5
15°	6920.9	6947.5	7024.1	7180.4	7504.8	7787.9	8068.0	8071.0	8280.3	8351.1	7944.2
17.5°	6561.2	6531.7	6629.0	6862.0	7150.9	7490.1	7808.5	7873.4	8194.8	8236.1	7879.3
20°	6292.8	6334.1	6460.9	6578.9	6912.1	7322.0	7681.7	7705.3	8177.1	8289.2	7776.1
22.5°	6228.0	6204.4	6245.6	6437.3	6711.6	7156.8	7613.9	7702.4	8174.2	8271.5	7581.5
25°	6160.1	6236.8	6233.8	6425.5	6626.0	7024.1	7669.9	7767.2	8330.5	8362.9	7608.0
27.5°	6313.5	6304.6	6387.2	6401.9	6649.6	7059.5	7787.9	7861.6	8590.0	8563.4	7628.6
30°	6466.8	6422.6	6472.7	6646.7	6761.7	7263.0	8112.3	8106.4	8926.1	8908.4	7693.5
32.5°	6655.5	6634.9	6667.3	6820.7	7015.3	7534.3	8386.5	8560.5	9268.2	9380.3	7917.6
35°	6690.9	6776.4	6853.1	7059.5	7336.7	7973.7	8902.5	9047.0	9663.3	10014.3	8345.2
37.5°	6915.0	6947.5	7127.3	7493.0	7746.6	8560.5	9229.9	9321.3	10023.1	10421.2	8796.4
40°	7153.9	7192.2	7463.5	7846.9	8194.8	8943.8	9536.5	9566.0	10138.1	10733.8	9091.3
42.5°	7478.3	7513.6	7782.0	8262.7	8728.6	9271.2	9807.8	9840.3	10129.3	11093.5	9560.1
45°	7814.4	7899.9	8215.5	8761.0	9179.7	9654.5	9869.8	10002.5	10211.8	11415.0	9940.5
47.5°	8286.2	8365.9	8625.4	9159.1	9648.6	9990.7	10155.8	10285.6	10409.4	11695.1	10185.3
50°	8787.5	8802.3	9117.8	9601.4	9961.2	10371.1	10689.5	10733.8	10668.9	12019.5	10601.1
52.5°	9156.1	9203.3	9448.1	9919.9	10456.6	10960.8	11397.3	11444.4	11317.6	12140.4	10742.6
55°	8545.7	8519.2	8917.3	9545.4	10789.8	11839.6	12473.6	12509.0	11789.5	12514.9	11205.6
57.5°	6605.4	6732.2	7071.3	7829.2	9586.7	12228.8	13305.2	13178.4	12355.6	12703.6	11500.5
60°	4800.7	4771.2	4998.3	5505.5	7224.7	10539.2	12579.8	12709.5	11892.7	11450.3	9483.5
62.5°	3910.2	3868.9	3886.6	3904.3	4662.1	6994.6	9312.4	9309.5	9159.1	8230.2	6396.0
65°	3125.8	3223.1	3231.9	3364.6	3461.9	4178.5	5396.4	5685.4	4951.1	4060.6	2945.9
67.5°	2356.1	2320.7	2438.7	2910.5	3093.3	3016.7	2945.9	2978.3	2117.3	1527.5	1439.0
70°	1388.9	1374.2	1515.7	2028.8	2547.8	2397.4	2220.5	2223.4	1453.8	1067.5	1188.4
72.5°	760.8	757.9	787.3	1029.1	1447.9	1503.9	1332.9	1374.2	867.0	864.0	928.9
75°	424.6	415.8	406.9	454.1	521.9	551.4	563.2	569.1	595.7	666.4	693.0
77.5°	156.3	150.4	150.4	174.0	221.2	277.2	350.9	356.8	421.7	483.6	510.1
80°	53.1	59.0	79.6	109.1	147.4	197.6	238.9	244.8	297.8	339.1	348.0
82.5°	32.4	35.4	53.1	76.7	106.2	138.6	176.9	179.9	221.2	247.7	259.5
85°	14.7	17.7	29.5	47.2	67.8	91.4	94.4	94.4	91.4	94.4	88.5
87.5°	0.0	0.0	5.9	5.9	5.9	8.8	11.8	8.8	14.7	17.7	17.7
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°	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3	8917.3
2.5°	8837.7	8805.2	8705.0	8616.5	8590.0	8472.0	8298.0	8318.7	8191.9	8250.9	8188.9
5°	8716.8	8607.7	8351.1	8242.0	7956.0	7826.2	7737.8	7516.6	7413.4	7392.7	7304.3
7.5°	8407.1	8339.3	8017.9	7723.0	7419.3	7159.8	6826.6	6599.5	6437.3	6393.1	6263.3
10°	8162.4	8012.0	7566.7	7118.5	6685.0	6233.8	5800.4	5461.3	5296.1	5104.4	5039.6
12.5°	7920.6	7693.5	7092.0	6516.9	5956.7	5387.5	4862.6	4449.8	4090.0	4004.5	3975.0
15°	7770.2	7375.0	6667.3	5974.4	5178.2	4435.1	3910.2	3638.9	3417.7	3326.3	3391.2
17.5°	7572.6	7112.6	6260.4	5337.4	4461.6	3777.5	3338.1	3170.0	3090.4	3099.2	3072.7
20°	7324.9	6864.9	5726.6	4759.4	3821.7	3276.2	3025.5	2963.6	2975.4	2996.0	2987.2
22.5°	7148.0	6564.1	5340.3	4169.7	3302.7	2999.0	2895.8	2851.5	2889.9	2907.6	2892.8
25°	7012.3	6307.6	4871.5	3647.7	3001.9	2842.7	2795.5	2792.6	2851.5	2875.1	2860.4
27.5°	6888.5	6068.7	4405.6	3249.6	2801.4	2721.8	2707.0	2742.4	2780.8	2804.3	2825.0
30°	6814.8	5885.9	3969.1	2916.4	2701.1	2662.8	2636.3	2668.7	2689.3	2712.9	2701.1
32.5°	6885.5	5756.1	3547.5	2727.7	2618.6	2580.2	2615.6	2595.0	2630.4	2651.0	2618.6
35°	7106.7	5641.1	3246.7	2627.4	2524.2	2539.0	2544.8	2536.0	2550.7	2533.1	2571.4
37.5°	7324.9	5599.8	2969.5	2541.9	2480.0	2480.0	2474.1	2456.4	2485.9	2480.0	2497.7
40°	7602.1	5626.4	2733.6	2450.5	2438.7	2432.8	2409.2	2406.3	2394.5	2397.4	2403.3
42.5°	7843.9	5685.4	2597.9	2391.5	2400.4	2412.2	2367.9	2332.5	2347.3	2317.8	2317.8
45°	8100.5	5738.4	2477.0	2350.2	2341.4	2338.4	2303.0	2282.4	2270.6	2273.6	2300.1
47.5°	8504.5	5815.1	2385.6	2294.2	2300.1	2255.9	2247.0	2220.5	2232.3	2250.0	2252.9
50°	8790.5	5977.3	2314.8	2229.3	2250.0	2220.5	2167.4	2155.6	2155.6	2185.1	2179.2
52.5°	8991.0	6204.4	2247.0	2158.6	2167.4	2143.8	2126.1	2099.6	2081.9	2123.2	2143.8
55°	9604.4	6581.8	2229.3	2099.6	2096.6	2073.0	2040.6	2014.1	2005.2	2011.1	2052.4
57.5°	9545.4	6463.9	2173.3	1996.4	1990.5	1958.0	1925.6	1916.7	1913.8	1919.7	1931.5
60°	7749.6	4774.2	1940.3	1878.4	1869.6	1863.7	1831.2	1795.8	1778.2	1795.8	1781.1
62.5°	5128.0	3196.5	1710.3	1736.9	1742.8	1728.0	1674.9	1639.6	1645.5	1666.1	1633.7
65°	2518.3	1878.4	1551.1	1621.9	1627.8	1586.5	1536.3	1495.1	1474.4	1492.1	1477.4
67.5°	1439.0	1436.1	1421.3	1495.1	1492.1	1450.8	1371.2	1335.8	1300.4	1306.3	1297.5
70°	1220.8	1244.4	1273.9	1318.1	1315.2	1268.0	1173.6	1147.1	1097.0	1091.1	1076.3
72.5°	961.3	1002.6	1067.5	1099.9	1073.4	1014.4	952.5	908.2	864.0	837.5	846.3
75°	713.6	772.6	808.0	828.6	787.3	754.9	704.8	651.7	598.6	575.0	566.2
77.5°	519.0	536.7	569.1	583.9	557.3	524.9	495.4	442.3	392.2	359.8	350.9
80°	362.7	374.5	398.1	398.1	398.1	383.3	345.0	291.9	259.5	230.0	224.1
82.5°	253.6	265.4	289.0	277.2	274.2	256.5	233.0	191.7	156.3	135.6	129.7
85°	88.5	97.3	118.0	141.5	150.4	147.4	132.7	106.2	82.6	67.8	61.9
87.5°	20.6	20.6	23.6	20.6	20.6	23.6	20.6	20.6	20.6	14.7	11.8
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)