

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: P648484

Luminaire Tested: **GALN-SA6B-835-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648484
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-SA6B-835-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA 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: 22351.5 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

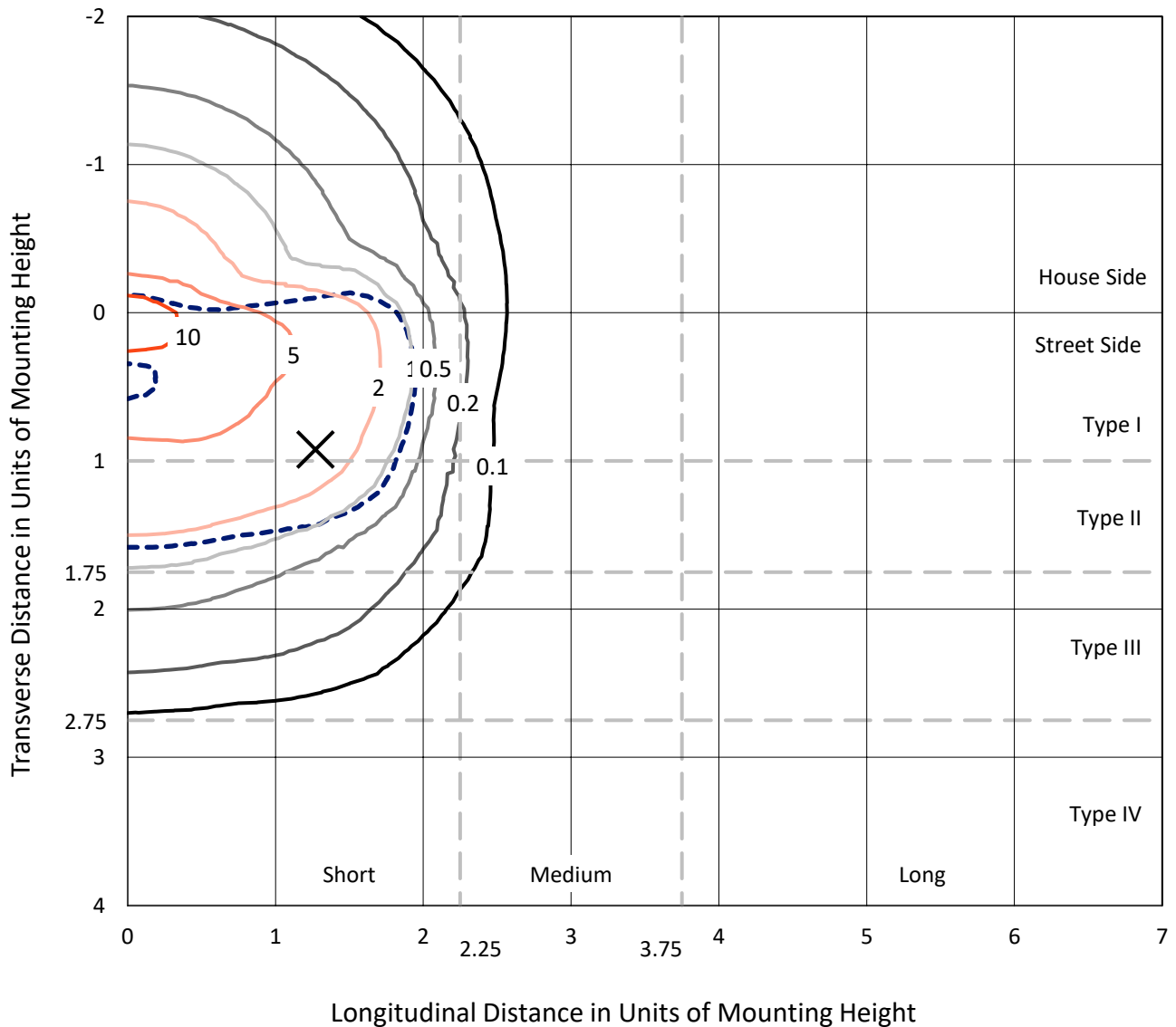
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

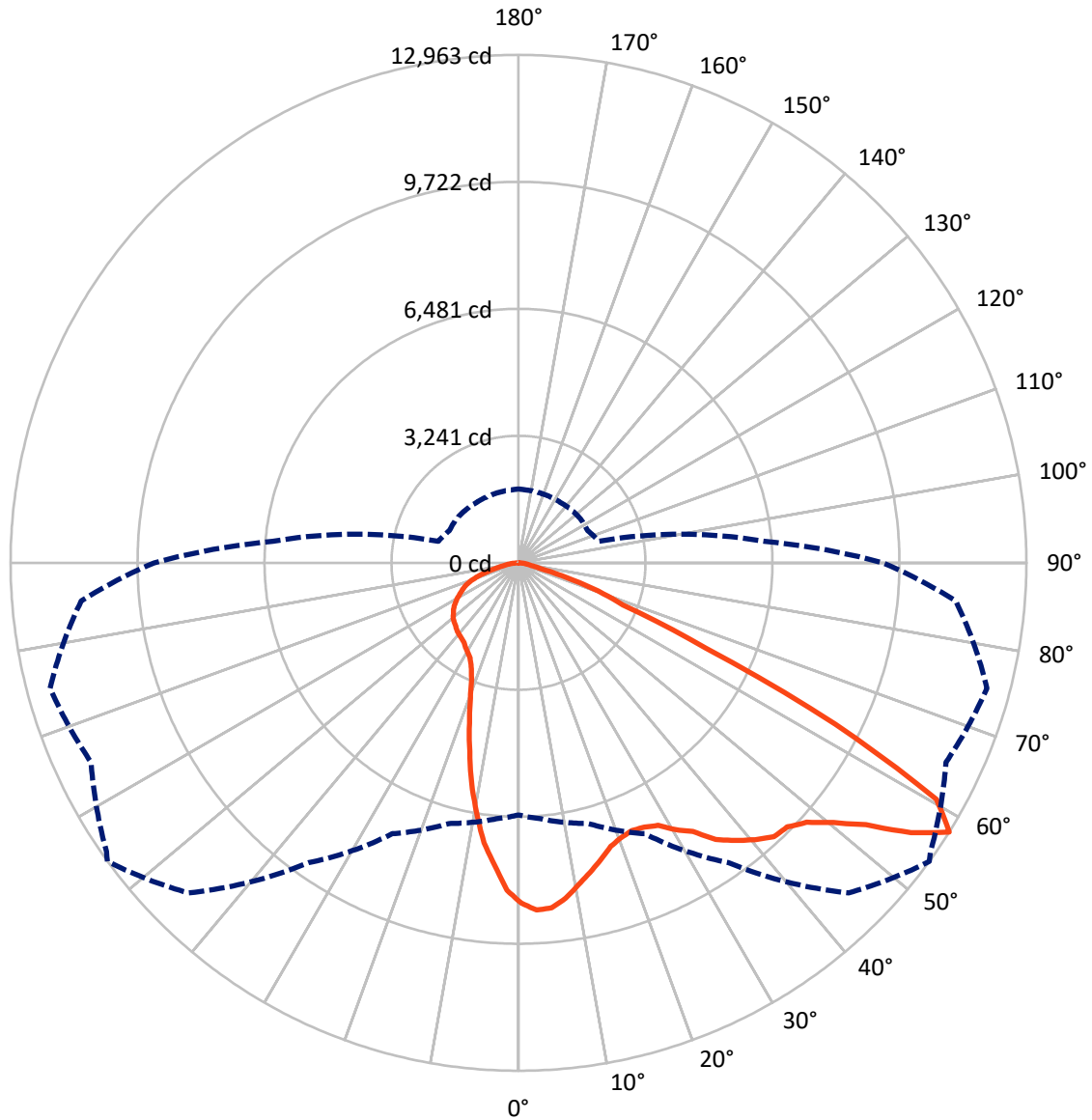
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 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	6183.7	0.0	6183.7
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	16167.8	0.0	16167.8
	% Fixture	72.3	0.0	72.3
Total	Lumens	22351.5	0.0	22351.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	749.2	3.4
10°-20°	1734.8	7.8
20°-30°	2437.4	10.9
30°-40°	3407.4	15.2
40°-50°	4613.0	20.6
50°-60°	5618.9	25.1
60°-70°	2926.5	13.1
70°-80°	749.9	3.4
80°-90°	114.4	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°	22351.5	100.0
0°-180°	22351.5	100.0

Coefficient of Utilization

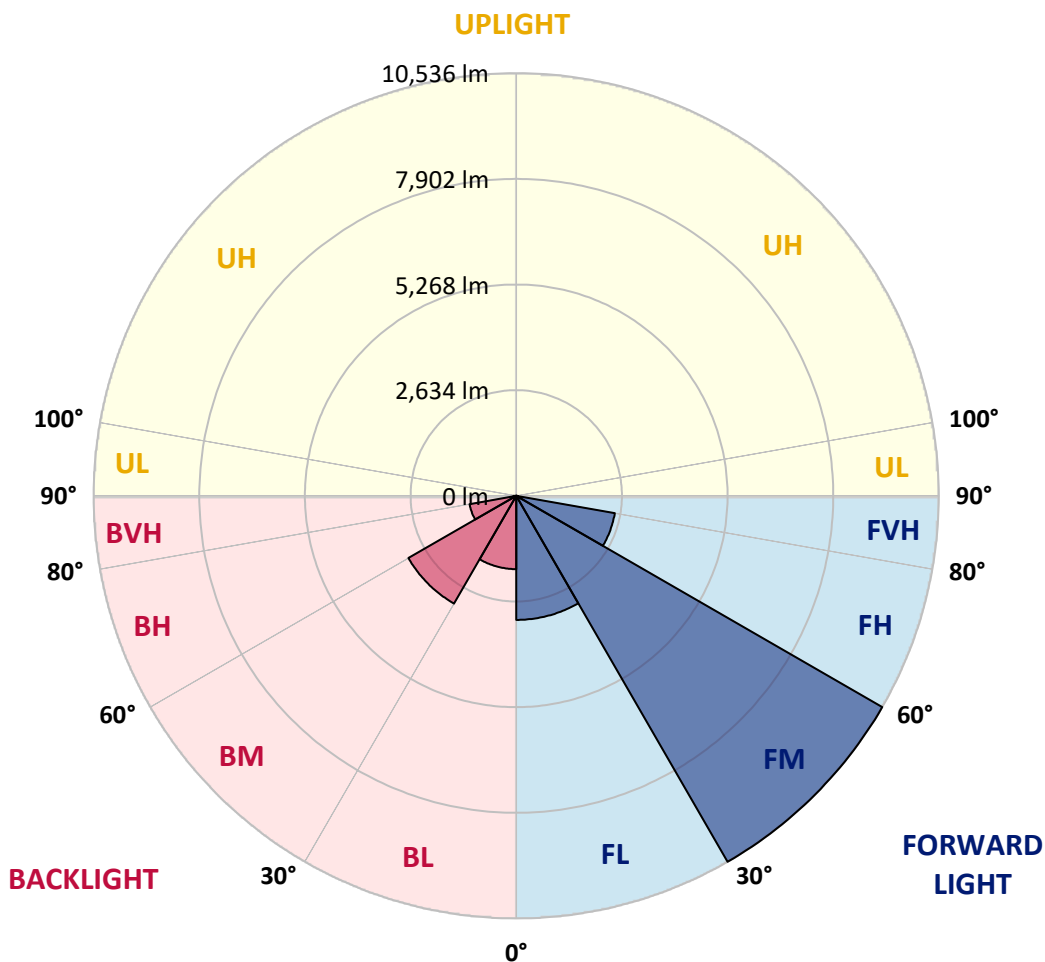


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3093.8	13.8			
FM (30°-60°)	10535.8	47.1			
FH (60°-80°)	2495.1	11.2			G2/5000
FVH (80°-90°)	43.2	0.2			G1/100
BL (0°-30°)	1827.6	8.2	B3/2500		
BM (30°-60°)	3103.5	13.9	B3/5000		
BH (60°-80°)	1181.4	5.3	B3/2500		G3/2500
BVH (80°-90°)	71.2	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°	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8
2.5°	8934.8	8900.4	8906.2	8952.1	8894.6	8871.6	8871.6	8759.6	8768.2	8690.7	8670.6
5°	8728.0	8647.5	8702.1	8771.1	8782.6	8805.5	8842.9	8814.2	8733.7	8650.4	8515.4
7.5°	8187.9	8259.7	8279.8	8328.7	8432.0	8526.9	8644.7	8564.2	8561.4	8478.1	8397.6
10°	7713.9	7670.7	7780.0	7851.8	8024.1	8182.1	8363.1	8354.5	8397.6	8302.8	8164.9
12.5°	7242.7	7208.2	7259.9	7423.7	7665.0	7894.8	8110.3	8029.9	8259.7	8242.5	7946.6
15°	6742.8	6768.6	6843.3	6995.6	7311.7	7587.4	7860.4	7863.3	8067.2	8136.2	7739.7
17.5°	6392.3	6363.6	6458.3	6685.3	6966.9	7297.2	7607.5	7670.7	7983.9	8024.1	7676.5
20°	6130.9	6171.1	6294.6	6409.6	6734.2	7133.5	7484.0	7507.0	7966.6	8075.9	7575.9
22.5°	6067.6	6044.7	6084.9	6271.6	6538.8	6972.6	7417.9	7504.1	7963.8	8058.6	7386.4
25°	6001.5	6076.2	6073.4	6260.2	6455.5	6843.3	7472.6	7567.3	8116.0	8147.7	7412.2
27.5°	6150.9	6142.3	6222.8	6237.1	6478.5	6877.8	7587.4	7659.2	8368.9	8343.0	7432.3
30°	6300.3	6257.3	6306.1	6475.6	6587.7	7076.0	7903.4	7897.7	8696.4	8679.2	7495.5
32.5°	6484.3	6464.1	6495.7	6645.1	6834.7	7340.4	8170.7	8340.1	9029.6	9138.9	7713.9
35°	6518.7	6602.0	6676.7	6877.8	7147.9	7768.5	8673.4	8814.2	9414.6	9756.5	8130.4
37.5°	6737.1	6768.6	6943.9	7300.1	7547.3	8340.1	8992.3	9081.4	9765.1	10153.0	8570.0
40°	6969.8	7007.1	7271.4	7644.9	7983.9	8713.6	9291.1	9319.8	9877.2	10457.5	8857.3
42.5°	7285.8	7320.3	7581.7	8050.0	8503.9	9032.5	9555.4	9587.0	9868.5	10808.0	9314.1
45°	7613.3	7696.6	8004.0	8535.5	8943.5	9406.0	9615.7	9745.0	9949.0	11121.2	9684.7
47.5°	8073.0	8150.6	8403.4	8923.4	9400.3	9733.6	9894.4	10020.8	10141.5	11394.1	9923.1
50°	8561.4	8575.7	8883.1	9354.3	9704.8	10104.1	10414.4	10457.5	10394.3	11710.1	10328.2
52.5°	8920.5	8966.4	9204.9	9664.6	10187.5	10678.7	11104.0	11149.9	11026.4	11827.9	10466.1
55°	8325.8	8300.0	8687.8	9299.7	10512.1	11534.8	12152.6	12187.0	11486.1	12192.8	10917.2
57.5°	6435.4	6559.0	6889.3	7627.7	9339.9	11914.1	12962.7	12839.2	12037.6	12376.6	11204.5
60°	4677.2	4648.4	4869.6	5363.8	7038.7	10267.9	12256.0	12382.4	11586.6	11155.6	9239.4
62.5°	3809.5	3769.3	3786.5	3803.8	4542.1	6814.6	9072.8	9069.9	8923.4	8018.4	6231.4
65°	3045.3	3140.1	3148.8	3278.0	3372.9	4071.0	5257.5	5539.0	4823.7	3956.0	2870.1
67.5°	2295.4	2261.0	2375.9	2835.6	3013.7	2939.0	2870.1	2901.6	2062.7	1488.2	1402.0
70°	1353.2	1338.8	1476.7	1976.6	2482.2	2335.7	2163.4	2166.2	1416.4	1040.0	1157.8
72.5°	741.2	738.4	767.1	1002.6	1410.7	1465.2	1298.6	1338.8	844.6	841.8	905.0
75°	413.7	405.0	396.4	442.4	508.5	537.2	548.7	554.4	580.4	649.3	675.1
77.5°	152.3	146.5	146.5	169.5	215.5	270.1	341.9	347.7	410.8	471.1	497.0
80°	51.7	57.5	77.6	106.3	143.7	192.5	232.7	238.4	290.2	330.4	339.0
82.5°	31.6	34.5	51.7	74.7	103.4	135.0	172.3	175.2	215.5	241.3	252.8
85°	14.3	17.2	28.7	46.0	66.1	89.0	91.9	91.9	89.0	91.9	86.2
87.5°	0.0	0.0	5.7	5.7	5.7	8.6	11.5	8.6	14.3	17.2	17.2
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°	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8	8687.8
2.5°	8610.2	8578.6	8480.9	8394.8	8368.9	8254.0	8084.5	8104.6	7981.0	8038.5	7978.1
5°	8492.4	8386.1	8136.2	8029.9	7751.2	7624.8	7538.6	7323.2	7222.5	7202.5	7116.3
7.5°	8190.7	8124.7	7811.5	7524.2	7228.3	6975.5	6650.9	6429.7	6271.6	6228.5	6102.2
10°	7952.3	7805.8	7371.9	6935.3	6513.0	6073.4	5651.1	5320.7	5159.8	4973.1	4909.9
12.5°	7716.7	7495.5	6909.4	6349.2	5803.4	5248.8	4737.5	4335.2	3984.8	3901.5	3872.7
15°	7570.2	7185.2	6495.7	5820.6	5044.9	4320.9	3809.5	3545.2	3329.7	3240.7	3303.9
17.5°	7377.7	6929.6	6099.3	5200.1	4346.7	3680.3	3252.2	3088.4	3010.9	3019.5	2993.6
20°	7136.4	6688.2	5579.3	4636.9	3723.3	3191.8	2947.6	2887.3	2898.8	2918.9	2910.3
22.5°	6964.0	6395.2	5202.9	4062.4	3217.7	2921.8	2821.2	2778.2	2815.5	2832.7	2818.3
25°	6831.8	6145.2	4746.1	3553.8	2924.7	2769.5	2723.6	2720.7	2778.2	2801.1	2786.8
27.5°	6711.2	5912.5	4292.2	3166.0	2729.3	2651.7	2637.4	2671.8	2709.2	2732.2	2752.2
30°	6639.4	5734.4	3867.0	2841.4	2631.6	2594.2	2568.4	2600.0	2620.2	2643.1	2631.6
32.5°	6708.4	5608.0	3456.2	2657.5	2551.2	2513.8	2548.3	2528.2	2562.7	2582.8	2551.2
35°	6923.8	5496.0	3163.1	2559.8	2459.2	2473.6	2479.4	2470.8	2485.1	2467.9	2505.2
37.5°	7136.4	5455.7	2893.0	2476.5	2416.2	2416.2	2410.4	2393.2	2421.9	2416.2	2433.4
40°	7406.5	5481.5	2663.2	2387.4	2375.9	2370.1	2347.2	2344.3	2332.8	2335.7	2341.5
42.5°	7642.0	5539.0	2531.0	2330.0	2338.6	2350.1	2307.0	2272.5	2286.8	2258.2	2258.2
45°	7891.9	5590.8	2413.3	2289.7	2281.1	2278.2	2243.8	2223.6	2212.1	2215.0	2240.9
47.5°	8285.5	5665.5	2324.2	2235.2	2240.9	2197.8	2189.2	2163.4	2174.8	2192.1	2194.9
50°	8564.2	5823.5	2255.3	2172.0	2192.1	2163.4	2111.6	2100.1	2100.1	2128.8	2123.1
52.5°	8759.6	6044.7	2189.2	2103.0	2111.6	2088.7	2071.4	2045.5	2028.3	2068.5	2088.7
55°	9357.2	6412.4	2172.0	2045.5	2042.7	2019.7	1988.1	1962.2	1953.6	1959.4	1999.5
57.5°	9299.7	6297.5	2117.4	1945.0	1939.3	1907.6	1876.1	1867.4	1864.6	1870.3	1881.8
60°	7550.1	4651.3	1890.4	1830.0	1821.4	1815.7	1784.1	1749.6	1732.4	1749.6	1735.3
62.5°	4996.0	3114.3	1666.3	1692.1	1697.9	1683.5	1631.9	1597.3	1603.1	1623.2	1591.6
65°	2453.5	1830.0	1511.2	1580.1	1585.9	1545.6	1496.8	1456.6	1436.5	1453.7	1439.3
67.5°	1402.0	1399.1	1384.7	1456.6	1453.7	1413.5	1336.0	1301.4	1267.0	1272.7	1264.1
70°	1189.4	1212.4	1241.1	1284.2	1281.3	1235.3	1143.4	1117.6	1068.7	1063.0	1048.6
72.5°	936.5	976.8	1040.0	1071.6	1045.8	988.3	927.9	884.9	841.8	815.9	824.5
75°	695.2	752.7	787.1	807.3	767.1	735.5	686.6	634.9	583.2	560.2	551.6
77.5°	505.7	522.9	554.4	568.8	543.0	511.4	482.6	431.0	382.1	350.5	341.9
80°	353.4	364.9	387.8	387.8	387.8	373.5	336.1	284.4	252.8	224.1	218.4
82.5°	247.0	258.5	281.6	270.1	267.2	249.9	227.0	186.7	152.3	132.2	126.4
85°	86.2	94.8	114.9	137.9	146.5	143.7	129.3	103.4	80.4	66.1	60.4
87.5°	20.1	20.1	23.0	20.1	20.1	23.0	20.1	20.1	20.1	14.3	11.5
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)