

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: P530964

Luminaire Tested: **GALN-SA6B-727-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530964
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-727-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 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: 23873 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

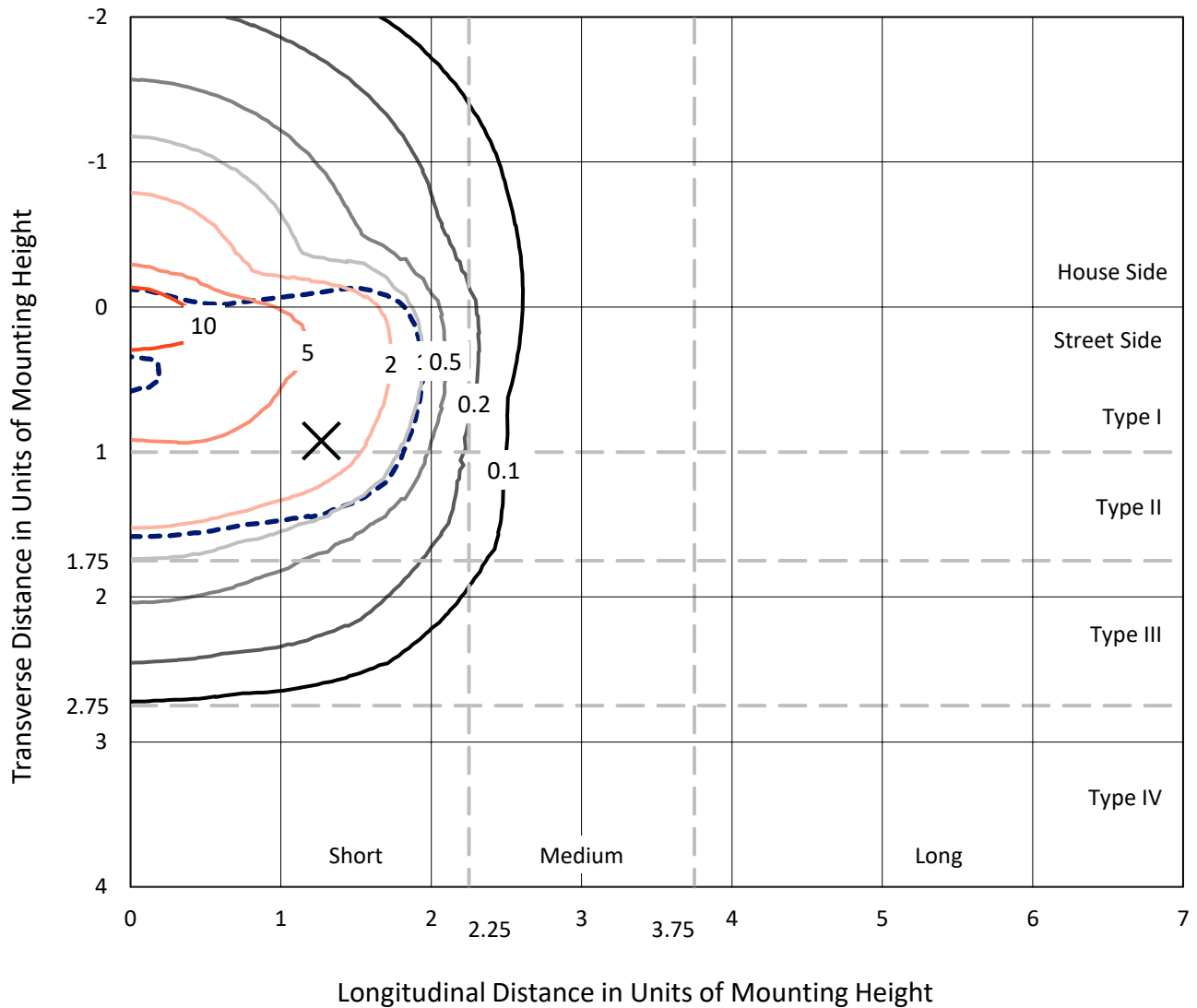
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

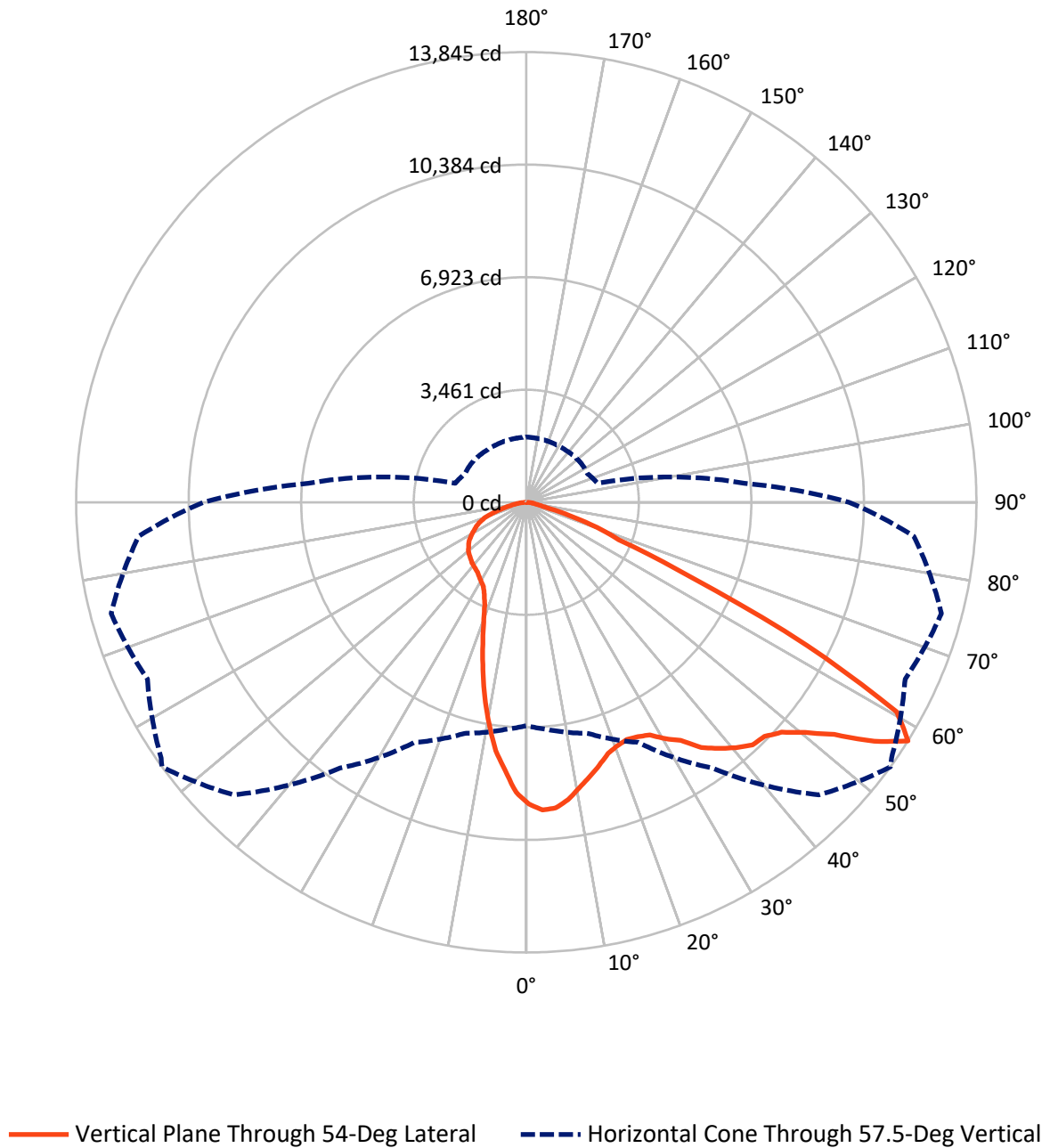
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6604.6	0.0	6604.6
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	17268.4	0.0	17268.4
	% Fixture	72.3	0.0	72.3
Total	Lumens	23873.0	0.0	23873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.2	3.4
10°-20°	1852.8	7.8
20°-30°	2603.3	10.9
30°-40°	3639.4	15.2
40°-50°	4927.0	20.6
50°-60°	6001.3	25.1
60°-70°	3125.8	13.1
70°-80°	800.9	3.4
80°-90°	122.2	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°	23873.0	100.0
0°-180°	23873.0	100.0

Coefficient of Utilization

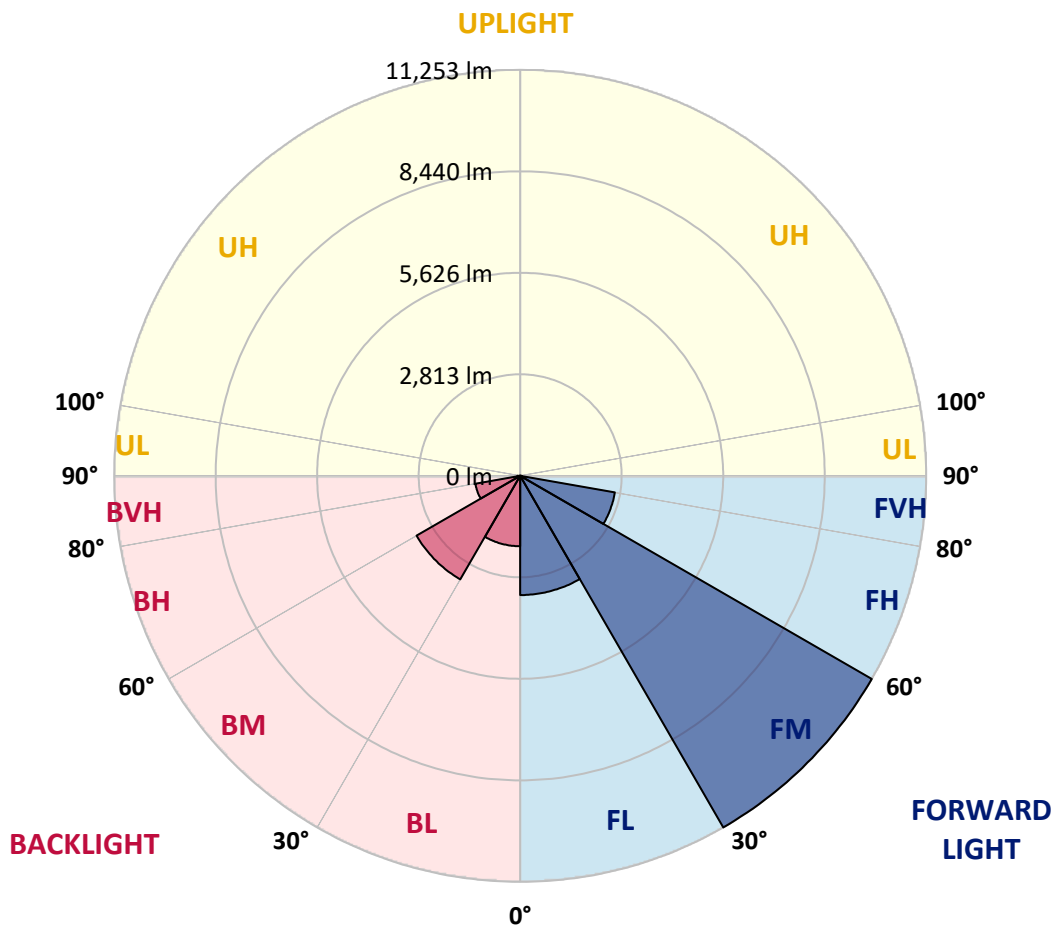


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3304.3	13.8			
FM (30°-60°)	11253.0	47.1			
FH (60°-80°)	2664.9	11.2			G2/5000
FVH (80°-90°)	46.2	0.2			G1/100
BL (0°-30°)	1952.0	8.2	B3/2500		
BM (30°-60°)	3314.8	13.9	B3/5000		
BH (60°-80°)	1261.8	5.3	B3/2500		G3/2500
BVH (80°-90°)	76.0	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°	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2
2.5°	9543.1	9506.2	9512.4	9561.5	9500.1	9475.5	9475.5	9355.9	9365.1	9282.2	9260.8
5°	9322.1	9236.2	9294.5	9368.1	9380.4	9405.0	9444.9	9414.2	9328.3	9239.3	9095.1
7.5°	8745.2	8822.0	8843.4	8895.6	9006.1	9107.3	9233.1	9147.2	9144.1	9055.2	8969.2
10°	8238.9	8192.9	8309.5	8386.2	8570.3	8739.1	8932.4	8923.2	8969.2	8868.0	8720.7
12.5°	7735.7	7698.9	7754.1	7929.0	8186.8	8432.3	8662.4	8576.5	8822.0	8803.5	8487.5
15°	7201.8	7229.4	7309.2	7471.8	7809.3	8103.9	8395.4	8398.5	8616.4	8690.0	8266.6
17.5°	6827.4	6796.7	6898.0	7140.4	7441.1	7794.0	8125.4	8192.9	8527.4	8570.3	8199.0
20°	6548.2	6591.2	6723.1	6845.8	7192.6	7619.1	7993.5	8018.0	8509.0	8625.6	8091.6
22.5°	6480.7	6456.1	6499.1	6698.5	6983.9	7447.3	7922.9	8014.9	8505.9	8607.2	7889.1
25°	6410.1	6489.9	6486.8	6686.3	6894.9	7309.2	7981.2	8082.4	8668.5	8702.3	7916.7
27.5°	6569.7	6560.5	6646.4	6661.7	6919.5	7346.0	8103.9	8180.6	8938.6	8910.9	7938.2
30°	6729.2	6683.2	6735.4	6916.4	7036.1	7557.7	8441.5	8435.3	9288.4	9270.0	8005.7
32.5°	6925.6	6904.1	6937.9	7097.5	7300.0	7840.0	8726.8	8907.9	9644.3	9760.9	8238.9
35°	6962.4	7051.4	7131.2	7346.0	7634.4	8297.2	9263.8	9414.2	10055.5	10420.6	8683.9
37.5°	7195.6	7229.4	7416.6	7797.1	8061.0	8907.9	9604.4	9699.5	10429.9	10844.1	9153.4
40°	7444.2	7484.1	7766.4	8165.3	8527.4	9306.8	9923.5	9954.2	10549.5	11169.4	9460.2
42.5°	7781.7	7818.6	8097.8	8598.0	9082.8	9647.4	10205.9	10239.6	10540.3	11543.7	9948.1
45°	8131.5	8220.5	8548.9	9116.5	9552.3	10046.3	10270.3	10408.4	10626.2	11878.2	10343.9
47.5°	8622.5	8705.4	8975.4	9530.8	10040.2	10396.1	10567.9	10702.9	10831.8	12169.7	10598.6
50°	9144.1	9159.5	9487.8	9991.1	10365.4	10791.9	11123.3	11169.4	11101.9	12507.2	11031.3
52.5°	9527.7	9576.8	9831.5	10322.5	10880.9	11405.6	11859.8	11908.9	11776.9	12633.0	11178.6
55°	8892.5	8864.9	9279.2	9932.8	11227.7	12320.1	12979.8	13016.6	12267.9	13022.7	11660.3
57.5°	6873.5	7005.4	7358.3	8146.9	9975.7	12725.1	13845.1	13713.2	12857.0	13219.1	11967.2
60°	4995.5	4964.8	5201.1	5728.9	7517.8	10966.8	13090.2	13225.3	12375.3	11915.0	9868.3
62.5°	4068.8	4025.9	4044.3	4062.7	4851.3	7278.5	9690.3	9687.3	9530.8	8564.2	6655.6
65°	3252.6	3353.9	3363.1	3501.2	3602.4	4348.1	5615.4	5916.1	5152.0	4225.3	3065.4
67.5°	2451.7	2414.9	2537.7	3028.6	3218.9	3139.1	3065.4	3099.2	2203.2	1589.5	1497.4
70°	1445.3	1429.9	1577.2	2111.1	2651.2	2494.7	2310.6	2313.7	1512.8	1110.8	1236.6
72.5°	791.7	788.6	819.3	1070.9	1506.6	1564.9	1387.0	1429.9	902.1	899.1	966.6
75°	441.9	432.7	423.5	472.5	543.1	573.8	586.1	592.2	619.8	693.5	721.1
77.5°	162.6	156.5	156.5	181.0	230.1	288.4	365.2	371.3	438.8	503.2	530.9
80°	55.2	61.4	82.8	113.5	153.4	205.6	248.5	254.7	309.9	352.9	362.1
82.5°	33.8	36.8	55.2	79.8	110.5	144.2	184.1	187.2	230.1	257.8	270.0
85°	15.3	18.4	30.7	49.1	70.6	95.1	98.2	98.2	95.1	98.2	92.1
87.5°	0.0	0.0	6.1	6.1	6.1	9.2	12.3	9.2	15.3	18.4	18.4
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°	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2	9279.2
2.5°	9196.3	9162.6	9058.2	8966.2	8938.6	8815.8	8634.8	8656.3	8524.3	8585.7	8521.2
5°	9070.5	8957.0	8690.0	8576.5	8278.8	8143.8	8051.8	7821.6	7714.2	7692.7	7600.7
7.5°	8748.3	8677.7	8343.3	8036.4	7720.4	7450.3	7103.6	6867.3	6698.5	6652.5	6517.5
10°	8493.6	8337.1	7873.8	7407.4	6956.3	6486.8	6035.8	5682.9	5511.0	5311.6	5244.1
12.5°	8242.0	8005.7	7379.8	6781.4	6198.4	5606.2	5060.0	4630.4	4256.0	4167.0	4136.3
15°	8085.5	7674.3	6937.9	6216.8	5388.3	4615.0	4068.8	3786.5	3556.4	3461.3	3528.8
17.5°	7879.9	7401.2	6514.4	5554.0	4642.6	3930.8	3473.5	3298.6	3215.8	3225.0	3197.4
20°	7622.2	7143.5	5959.0	4952.6	3976.8	3409.1	3148.3	3083.8	3096.1	3117.6	3108.4
22.5°	7438.1	6830.5	5557.1	4338.9	3436.7	3120.7	3013.3	2967.2	3007.1	3025.5	3010.2
25°	7296.9	6563.5	5069.2	3795.7	3123.7	2958.0	2908.9	2905.9	2967.2	2991.8	2976.5
27.5°	7168.0	6315.0	4584.3	3381.5	2915.1	2832.2	2816.9	2853.7	2893.6	2918.1	2939.6
30°	7091.3	6124.7	4130.2	3034.8	2810.8	2770.9	2743.2	2777.0	2798.5	2823.0	2810.8
32.5°	7165.0	5989.7	3691.4	2838.4	2724.8	2684.9	2721.8	2700.3	2737.1	2758.6	2724.8
35°	7395.1	5870.1	3378.4	2734.0	2626.6	2642.0	2648.1	2638.9	2654.3	2635.8	2675.7
37.5°	7622.2	5827.1	3090.0	2645.1	2580.6	2580.6	2574.5	2556.1	2586.8	2580.6	2599.0
40°	7910.6	5854.7	2844.5	2549.9	2537.7	2531.5	2507.0	2503.9	2491.6	2494.7	2500.8
42.5°	8162.2	5916.1	2703.4	2488.6	2497.8	2510.0	2464.0	2427.2	2442.5	2411.8	2411.8
45°	8429.2	5971.3	2577.5	2445.6	2436.4	2433.3	2396.5	2375.0	2362.7	2365.8	2393.4
47.5°	8849.6	6051.1	2482.4	2387.3	2393.4	2347.4	2338.2	2310.6	2322.9	2341.3	2344.3
50°	9147.2	6219.9	2408.8	2319.8	2341.3	2310.6	2255.4	2243.1	2243.1	2273.8	2267.6
52.5°	9355.9	6456.1	2338.2	2246.1	2255.4	2230.8	2212.4	2184.8	2166.4	2209.3	2230.8
55°	9994.1	6848.9	2319.8	2184.8	2181.7	2157.2	2123.4	2095.8	2086.6	2092.7	2135.7
57.5°	9932.8	6726.2	2261.5	2077.4	2071.2	2037.5	2003.7	1994.5	1991.5	1997.6	2009.9
60°	8064.0	4967.9	2019.1	1954.6	1945.4	1939.3	1905.5	1868.7	1850.3	1868.7	1853.4
62.5°	5336.1	3326.3	1779.7	1807.3	1813.5	1798.1	1742.9	1706.1	1712.2	1733.7	1700.0
65°	2620.5	1954.6	1614.0	1687.7	1693.8	1650.9	1598.7	1555.7	1534.3	1552.7	1537.3
67.5°	1497.4	1494.4	1479.0	1555.7	1552.7	1509.7	1426.9	1390.0	1353.2	1359.3	1350.1
70°	1270.4	1294.9	1325.6	1371.6	1368.6	1319.5	1221.3	1193.6	1141.5	1135.3	1120.0
72.5°	1000.3	1043.3	1110.8	1144.6	1116.9	1055.6	991.1	945.1	899.1	871.5	880.7
75°	742.6	803.9	840.8	862.3	819.3	785.5	733.4	678.1	622.9	598.4	589.2
77.5°	540.1	558.5	592.2	607.6	579.9	546.2	515.5	460.3	408.1	374.4	365.2
80°	377.4	389.7	414.2	414.2	414.2	398.9	359.0	303.8	270.0	239.3	233.2
82.5°	263.9	276.2	300.7	288.4	285.4	267.0	242.4	199.5	162.6	141.2	135.0
85°	92.1	101.3	122.7	147.3	156.5	153.4	138.1	110.5	85.9	70.6	64.4
87.5°	21.5	21.5	24.5	21.5	21.5	24.5	21.5	21.5	21.5	15.3	12.3
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)