

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: P652440

Luminaire Tested: **GALN-SA6B-840-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-840-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24051.8 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

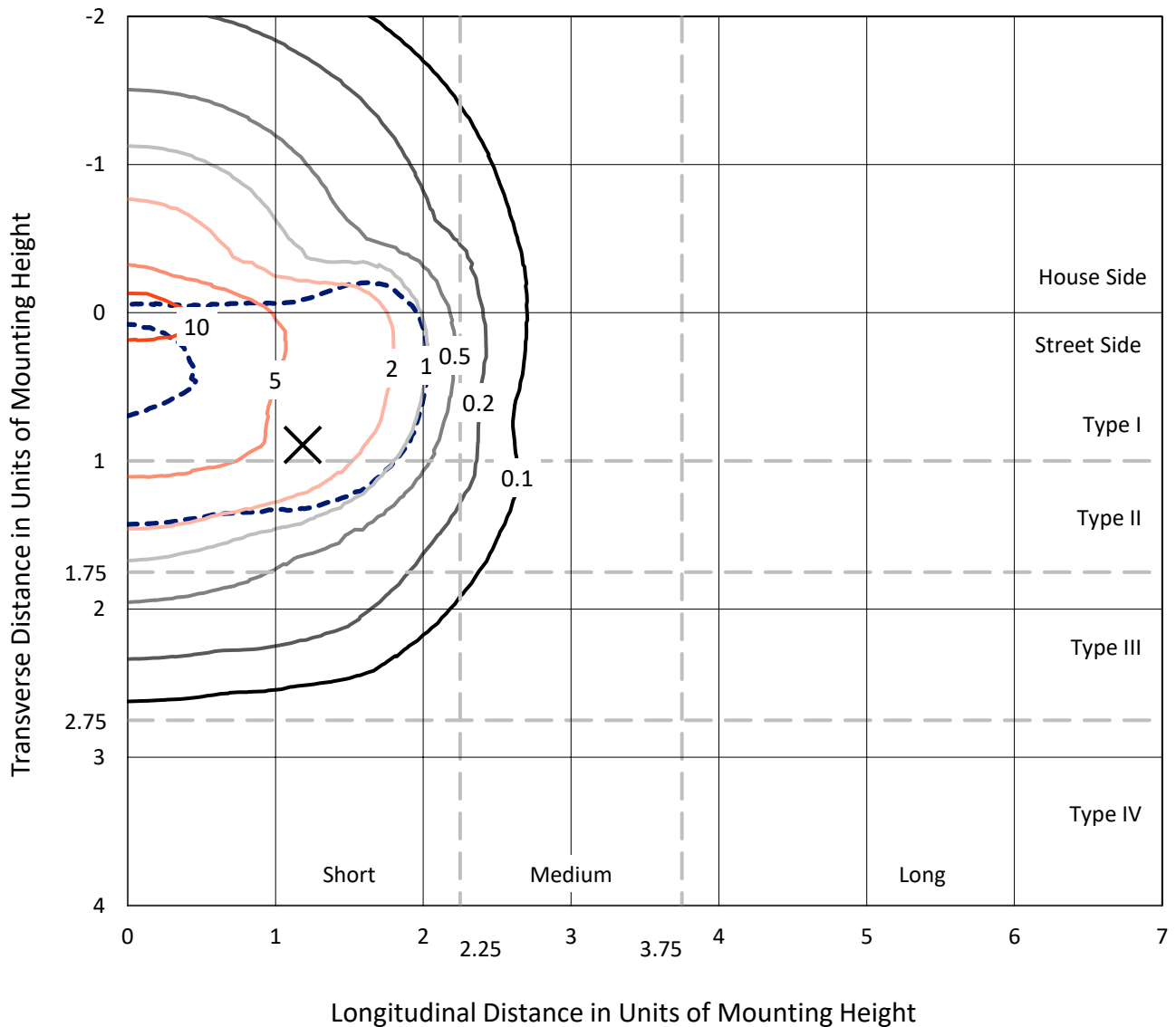
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

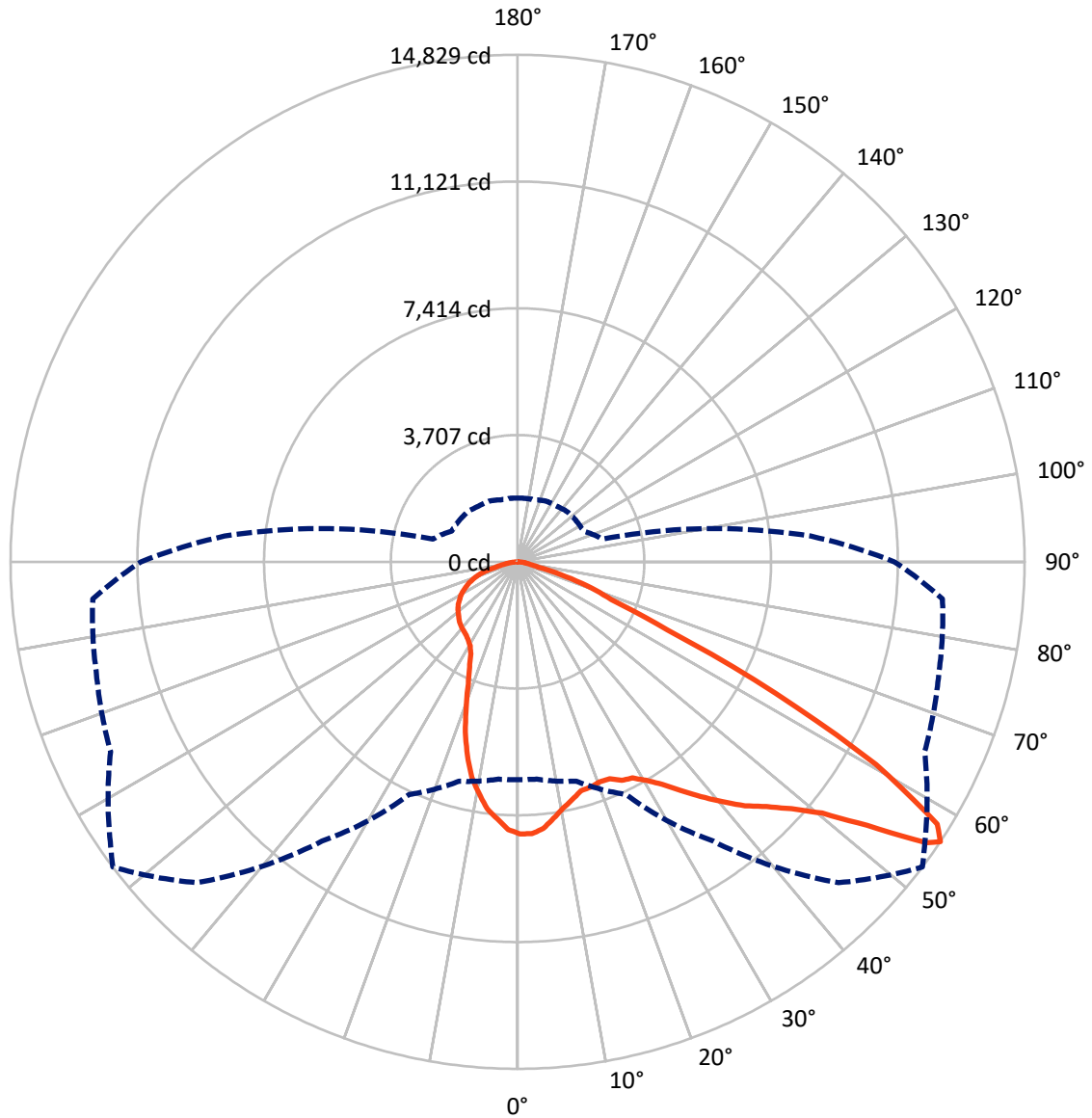
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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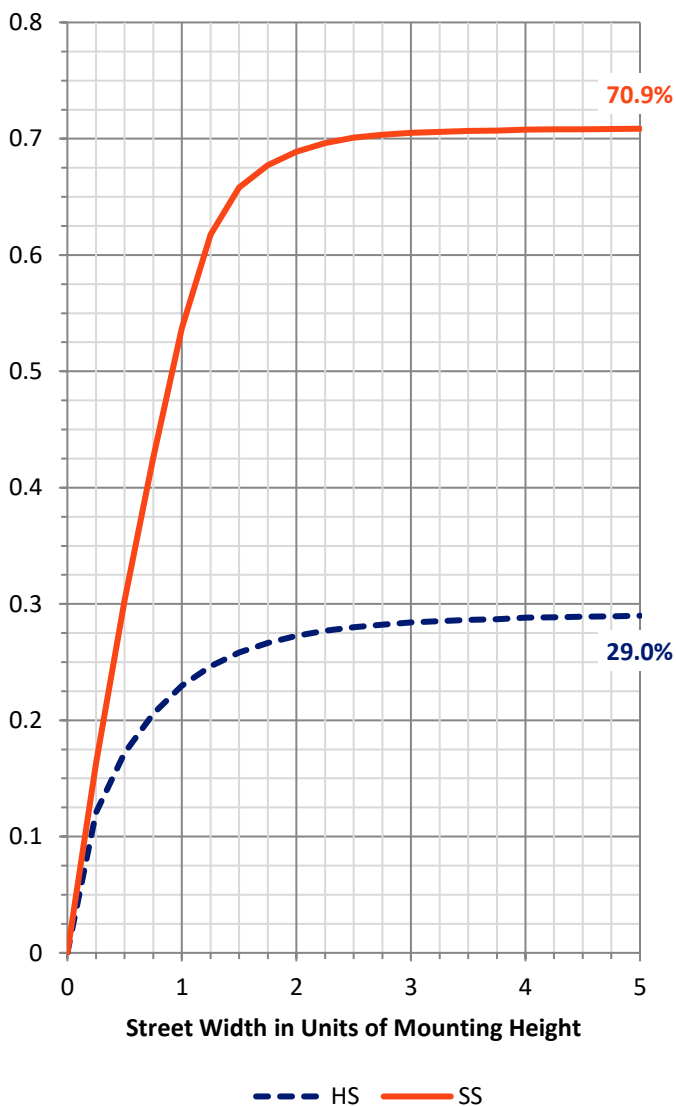
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7018.8	0.0	7018.8
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	17032.9	0.0	17032.9
	% Fixture	70.8	0.0	70.8
Total	Lumens	24051.8	0.0	24051.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.4	2.9
10°-20°	1759.4	7.3
20°-30°	2594.4	10.8
30°-40°	3706.9	15.4
40°-50°	5102.0	21.2
50°-60°	6029.2	25.1
60°-70°	3213.2	13.4
70°-80°	815.2	3.4
80°-90°	127.1	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°	24051.8	100.0
0°-180°	24051.8	100.0

Coefficient of Utilization

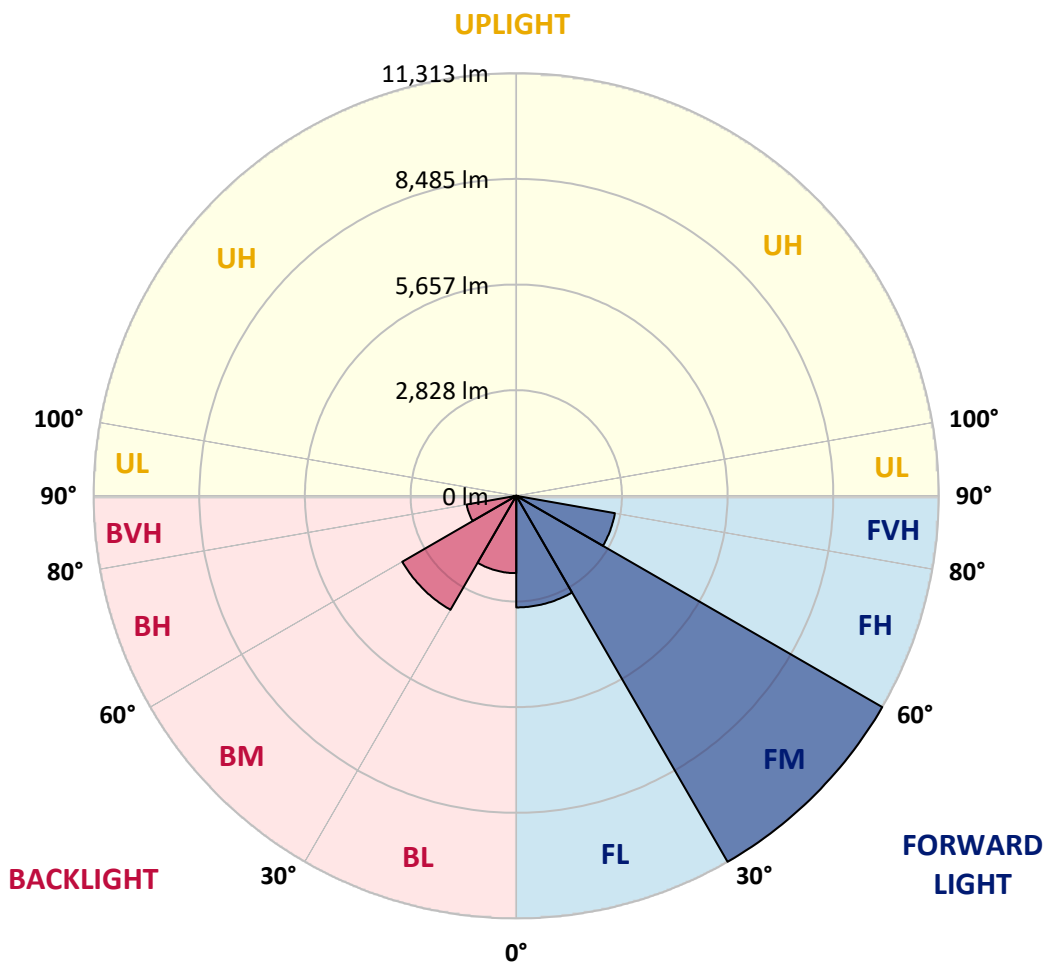


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2988.1	12.4			
FM (30°-60°)	11313.5	47.0			
FH (60°-80°)	2680.3	11.1			G2/5000
FVH (80°-90°)	51.1	0.2			G1/100
BL (0°-30°)	2070.1	8.6	B3/2500		
BM (30°-60°)	3524.6	14.7	B3/5000		
BH (60°-80°)	1348.1	5.6	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°	53°	55°	65°	75°	85°
0°	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3
2.5°	7858.6	7790.7	7830.8	7815.3	7941.8	7978.9	7960.3	7975.8	8046.8	8012.8	7941.8
5°	7343.3	7438.9	7457.4	7503.7	7577.7	7722.8	7836.9	7867.8	7901.7	8059.1	8043.7
7.5°	6874.2	6939.1	6905.1	7040.9	7201.3	7435.9	7574.7	7599.4	7911.0	7997.4	8062.2
10°	6578.1	6513.3	6667.5	6704.6	6886.6	7155.1	7321.7	7423.5	7707.3	8049.8	8089.9
12.5°	6303.5	6281.9	6374.4	6479.4	6683.0	6960.7	7130.4	7170.5	7608.6	7969.7	8157.8
15°	6099.9	6075.1	6167.7	6244.8	6482.4	6729.3	6945.2	7059.4	7500.6	7923.3	8099.2
17.5°	5939.4	5936.4	5988.8	6127.6	6371.3	6578.1	6926.7	6933.0	7445.1	7994.3	8148.5
20°	5930.1	5927.0	5936.4	6090.6	6312.7	6565.8	6868.1	6923.6	7445.1	7944.9	8151.6
22.5°	6007.3	5957.9	6013.5	6112.2	6272.6	6587.4	6889.7	7013.1	7624.1	8188.6	8290.5
25°	6130.7	6143.1	6173.9	6207.8	6300.4	6636.8	7081.1	7182.8	7833.8	8398.5	8481.8
27.5°	6355.9	6349.8	6362.1	6380.7	6460.8	6683.0	7158.2	7420.4	8272.0	8771.8	8688.5
30°	6686.1	6664.5	6713.9	6778.6	6704.6	6831.1	7414.3	7611.7	8679.3	9148.2	8919.9
32.5°	6985.3	7065.6	7158.2	7185.9	7096.4	7121.1	7753.6	7954.2	9018.6	9611.0	9203.7
35°	7358.7	7423.5	7546.9	7633.3	7617.9	7543.9	8216.5	8481.8	9509.3	9950.5	9503.0
37.5°	7722.8	7799.9	8003.5	8259.6	8117.8	8083.8	8710.1	8929.1	9660.4	10132.5	9722.1
40°	8309.0	8305.9	8657.7	8790.3	8916.9	8858.2	9222.3	9296.3	9740.6	10092.3	9728.3
42.5°	8997.0	8953.9	9311.8	9518.5	9682.0	9688.2	9756.1	9731.4	9777.6	9888.7	9663.5
45°	9651.1	9743.7	10104.7	10475.0	10638.5	10657.0	10206.5	10160.3	9842.5	9830.1	9540.1
47.5°	10450.3	10471.9	10768.1	11255.6	11635.1	11505.5	10789.7	10687.8	10126.3	10221.9	9746.8
50°	10496.5	10657.0	10922.3	11496.2	12662.5	12628.5	11545.6	11354.3	10583.0	10777.3	10323.8
52.5°	9527.8	9490.7	9805.5	10743.4	12585.4	13745.5	12798.3	12341.7	11564.1	11416.0	11258.6
55°	7259.9	7346.4	7624.1	8571.3	10928.5	13760.9	14504.5	14131.2	12613.1	12360.2	12178.1
56°	6368.3	6380.7	6642.9	7506.8	9972.1	13270.3	14828.5	14526.1	13134.6	12748.9	12471.2
57.5°	5279.1	5208.1	5344.0	5816.0	8417.0	12233.6	14473.7	14769.9	13745.5	13168.5	12782.9
60°	4156.1	4140.6	4085.1	4171.4	5319.2	9216.1	12048.5	12715.0	13683.8	12773.6	12242.9
62.5°	3393.9	3316.8	3427.9	3551.3	3696.3	5717.3	8466.3	8858.2	10863.7	10197.3	9197.6
65°	2631.8	2594.8	2733.7	3134.7	3221.2	3631.5	4822.5	5124.9	6414.6	6300.4	5547.6
67.5°	1811.1	1817.3	1937.7	2548.6	2986.6	2949.6	2952.8	3110.1	3347.7	2486.8	2166.0
70°	1147.8	1144.7	1209.4	1641.5	2403.5	2428.2	2304.8	2258.5	2141.3	1295.9	1373.0
72.5°	737.4	715.8	749.8	907.1	1243.4	1437.8	1481.0	1508.8	1240.3	1018.2	1104.6
75°	416.5	394.9	382.6	422.7	490.6	567.7	623.3	641.8	718.9	771.4	817.6
77.5°	126.5	114.1	138.8	185.1	243.7	327.1	398.0	410.3	484.4	546.1	592.4
80°	55.5	61.7	86.4	123.4	172.7	231.4	280.8	299.3	348.7	394.9	407.3
82.5°	34.0	37.0	58.6	83.3	120.3	163.5	200.6	206.7	256.1	293.1	302.3
85°	12.4	15.4	30.9	49.4	77.1	104.9	104.9	114.1	104.9	104.9	114.1
87.5°	0.0	0.0	3.1	6.1	6.1	9.3	12.4	12.4	15.4	18.5	21.6
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°	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3	7957.3
2.5°	7978.9	7963.4	7938.8	7849.3	7840.1	7812.2	7658.0	7633.3	7658.0	7584.0	7590.1
5°	7963.4	8009.7	7824.6	7735.1	7568.5	7448.1	7309.3	7238.4	7111.8	7031.7	7121.1
7.5°	8031.3	8012.8	7781.4	7587.0	7337.1	7031.7	6787.9	6649.0	6426.9	6365.2	6411.4
10°	8006.7	7907.9	7636.4	7380.3	6908.2	6639.8	6244.8	5862.3	5652.4	5544.5	5529.1
12.5°	7972.7	7944.9	7491.4	7050.2	6553.4	5988.8	5433.4	5072.4	4730.0	4581.9	4603.5
15°	8012.8	7778.3	7219.8	6661.4	6001.1	5260.6	4662.1	4196.2	3958.6	3863.0	3863.0
17.5°	7994.3	7698.1	7090.3	6226.3	5390.2	4514.0	3856.7	3576.0	3477.3	3477.3	3505.0
20°	8003.5	7750.6	6828.0	5791.3	4668.2	3801.2	3323.0	3221.2	3264.3	3279.8	3295.2
22.5°	8056.0	7577.7	6571.9	5313.1	3998.7	3252.1	3017.5	3020.6	3097.7	3181.1	3165.6
25°	8120.8	7509.9	6260.3	4837.9	3486.5	2983.6	2909.5	2900.3	2958.9	3002.1	3008.3
27.5°	8065.3	7392.6	5942.5	4245.5	3066.9	2804.7	2789.2	2795.4	2813.9	2900.3	2872.5
30°	8247.3	7426.6	5544.5	3748.8	2835.5	2746.0	2727.5	2718.3	2746.0	2770.7	2749.1
32.5°	8472.6	7306.3	5248.3	3270.6	2721.3	2702.8	2665.8	2653.4	2668.9	2644.2	2656.6
35°	8571.3	7284.7	4862.6	2928.0	2631.8	2616.4	2594.8	2591.7	2594.8	2573.2	2554.7
37.5°	8626.8	7386.5	4421.4	2770.7	2576.3	2591.7	2542.3	2536.2	2480.7	2493.0	2502.2
40°	8722.4	7229.2	4063.5	2619.5	2542.3	2511.6	2468.3	2459.1	2422.1	2400.5	2422.1
42.5°	8583.6	7182.8	3711.8	2554.7	2493.0	2459.1	2428.2	2375.7	2363.5	2344.9	2332.6
45°	8472.6	6917.5	3397.1	2474.5	2434.4	2415.9	2357.2	2301.7	2255.4	2274.0	2246.1
47.5°	8555.8	6824.9	3085.4	2406.6	2354.1	2332.6	2274.0	2230.8	2184.5	2162.9	2156.7
50°	8889.0	6997.7	2823.2	2357.2	2286.3	2274.0	2196.8	2147.4	2104.3	2088.8	2095.0
52.5°	9685.1	7469.8	2644.2	2255.4	2221.5	2166.0	2122.8	2061.0	2033.3	1983.9	2014.8
55°	10694.0	8238.0	2597.9	2159.8	2141.3	2091.9	2033.3	1987.0	1934.6	1894.4	1885.2
56°	11018.0	8605.2	2560.9	2122.8	2091.9	2064.2	1987.0	1959.2	1875.9	1866.7	1860.5
57.5°	11280.2	8929.1	2567.1	2051.8	2020.9	1996.3	1949.9	1882.1	1826.6	1792.6	1808.1
60°	10687.8	8358.4	2449.8	1943.8	1937.7	1891.3	1826.6	1795.7	1727.8	1687.7	1678.5
62.5°	7944.9	5674.1	1987.0	1805.0	1801.8	1752.5	1678.5	1644.5	1632.2	1576.6	1576.6
65°	4575.6	3557.5	1718.6	1690.8	1666.1	1616.7	1542.7	1515.0	1484.1	1465.6	1450.1
67.5°	1953.1	1845.1	1561.2	1558.1	1530.4	1468.6	1394.6	1351.4	1311.3	1274.3	1292.8
70°	1416.2	1437.8	1410.0	1394.6	1360.7	1283.5	1218.8	1166.3	1104.6	1079.9	1098.4
72.5°	1123.1	1169.4	1209.4	1212.6	1172.4	1083.0	1012.0	941.1	873.2	839.2	854.6
75°	851.6	882.5	922.6	931.8	873.2	811.5	743.6	669.5	617.0	577.0	583.1
77.5°	614.0	607.8	644.9	638.7	610.9	567.7	506.0	438.2	379.5	342.5	345.6
80°	419.6	428.9	450.4	447.4	413.4	385.7	339.4	283.8	240.7	209.8	203.6
82.5°	293.1	308.6	327.1	311.6	283.8	256.1	222.1	182.1	148.1	123.4	117.2
85°	104.9	120.3	138.8	148.1	157.4	151.2	126.5	101.8	74.0	61.7	58.6
87.5°	21.6	24.6	27.8	27.8	27.8	24.6	21.6	21.6	18.5	9.3	9.3
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)