

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: P530962

Luminaire Tested: **GALN-SA6B-727-U-SL2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530962  
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-727-U-SL2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 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: 23918 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

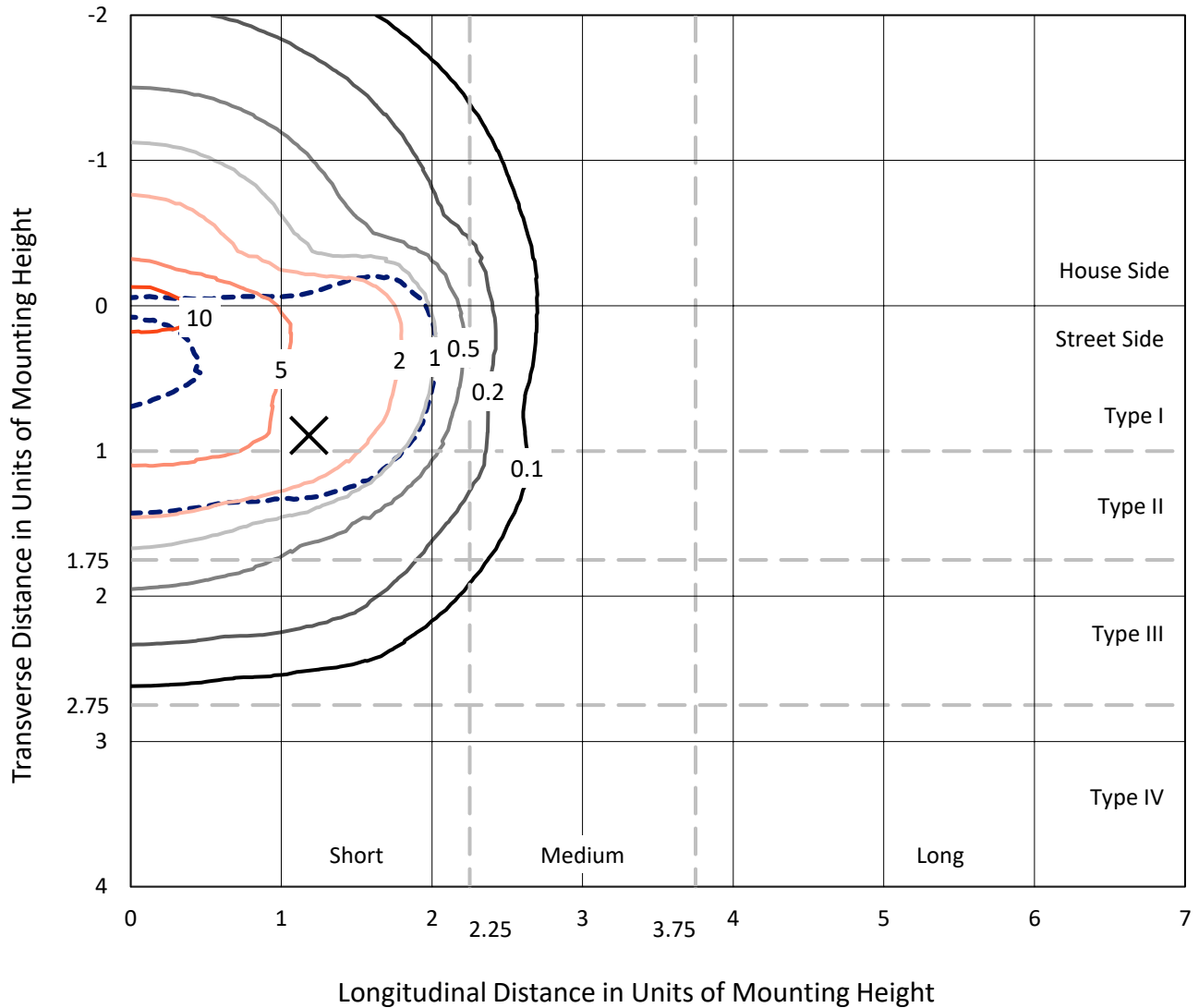
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

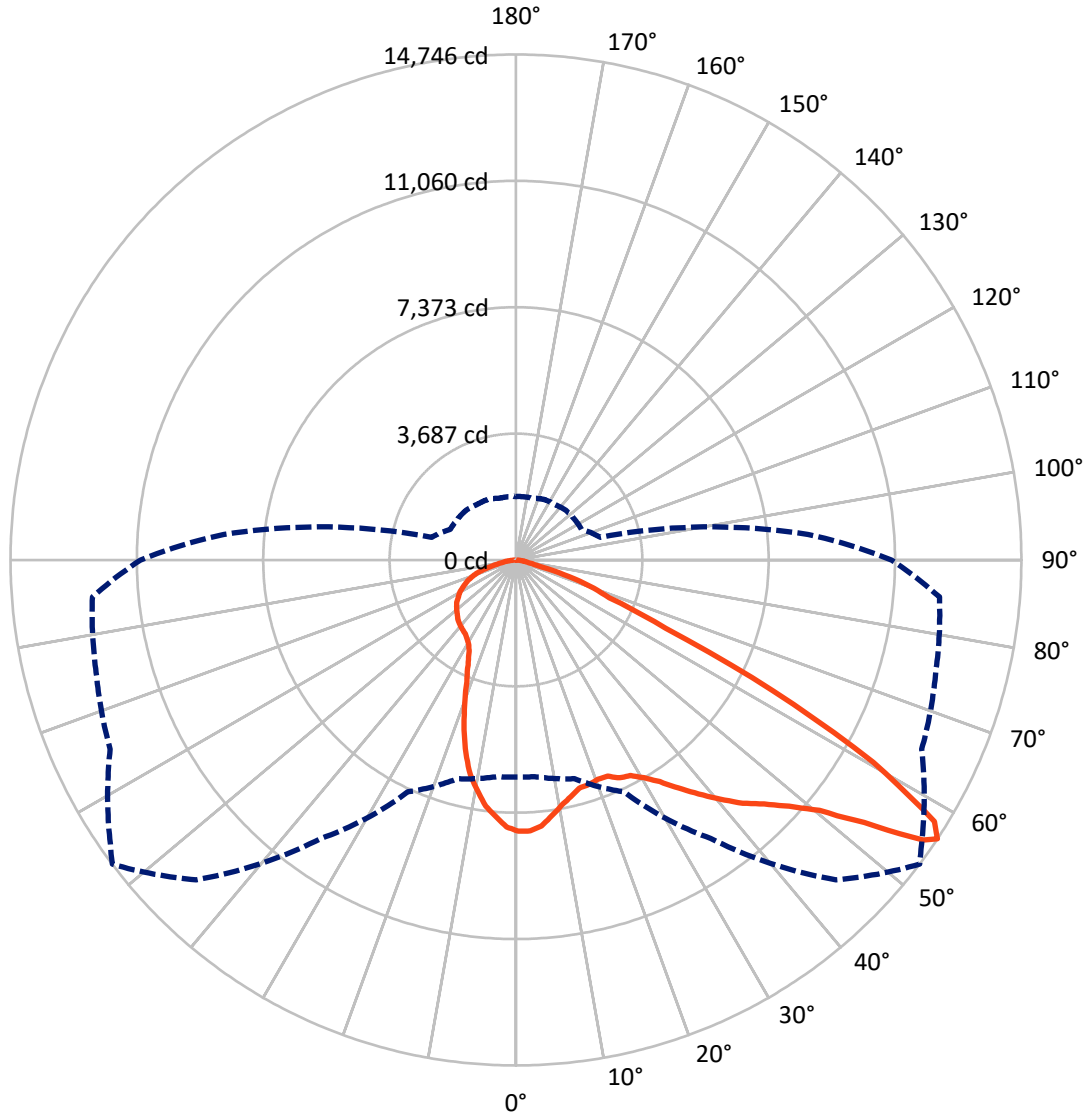
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	6979.8	0.0	6979.8
	% Fixture	29.2	0.0	29.2
<b>Street Side</b>	Lumens	16938.2	0.0	16938.2
	% Fixture	70.8	0.0	70.8
<b>Total</b>	Lumens	23918.0	0.0	23918.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	700.5	2.9
10°-20°	1749.6	7.3
20°-30°	2580.0	10.8
30°-40°	3686.3	15.4
40°-50°	5073.6	21.2
50°-60°	5995.7	25.1
60°-70°	3195.3	13.4
70°-80°	810.6	3.4
80°-90°	126.4	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°	23918.0	100.0
0°-180°	23918.0	100.0

**Coefficient of Utilization**



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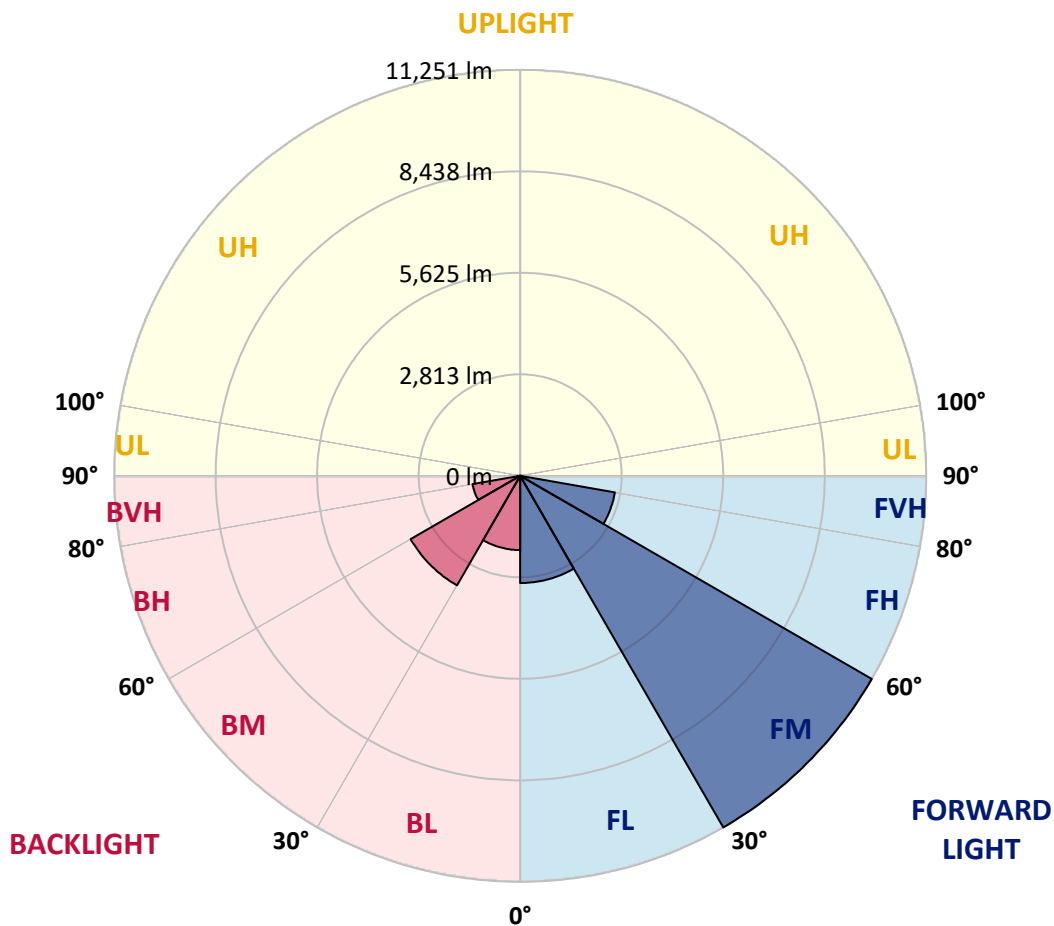
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2971.5	12.4			
FM (30°-60°)	11250.6	47.0			
FH (60°-80°)	2665.4	11.1			G2/5000
FVH (80°-90°)	50.8	0.2			G1/100
BL (0°-30°)	2058.6	8.6	B3/2500		
BM (30°-60°)	3505.0	14.7	B3/5000		
BH (60°-80°)	1340.6	5.6	B3/2500		G3/2500
BVH (80°-90°)	75.6	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°	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0
2.5°	7814.8	7747.3	7787.2	7771.9	7897.7	7934.5	7916.1	7931.4	8002.0	7968.2	7897.7
5°	7302.4	7397.6	7416.0	7462.0	7535.6	7679.8	7793.4	7824.0	7857.8	8014.3	7998.9
7.5°	6836.1	6900.5	6866.7	7001.7	7161.3	7394.5	7532.6	7557.1	7867.0	7952.9	8017.3
10°	6541.5	6477.1	6630.5	6667.3	6848.3	7115.3	7281.0	7382.2	7664.5	8005.1	8045.0
12.5°	6268.4	6247.0	6339.0	6443.3	6645.8	6922.0	7090.7	7130.6	7566.3	7925.3	8112.5
15°	6065.9	6041.4	6133.4	6210.1	6446.4	6691.9	6906.6	7020.2	7458.9	7879.3	8054.2
17.5°	5906.4	5903.3	5955.5	6093.5	6335.9	6541.5	6888.2	6894.4	7403.7	7949.8	8103.2
20°	5897.2	5894.1	5903.3	6056.7	6277.6	6529.2	6829.9	6885.2	7403.7	7900.7	8106.3
22.5°	5973.9	5924.8	5980.0	6078.2	6237.8	6550.7	6851.4	6974.1	7581.6	8143.1	8244.4
25°	6096.6	6108.9	6139.6	6173.3	6265.4	6599.8	7041.6	7142.9	7790.3	8351.8	8434.6
27.5°	6320.6	6314.5	6326.7	6345.1	6424.9	6645.8	7118.3	7379.1	8226.0	8723.0	8640.2
30°	6648.9	6627.4	6676.5	6740.9	6667.3	6793.1	7373.0	7569.4	8631.0	9097.4	8870.3
32.5°	6946.5	7026.3	7118.3	7146.0	7057.0	7081.5	7710.5	7909.9	8968.5	9557.6	9152.6
35°	7317.8	7382.2	7504.9	7590.9	7575.5	7501.9	8170.8	8434.6	9456.3	9895.1	9450.2
37.5°	7679.8	7756.5	7959.0	8213.7	8072.6	8038.8	8661.7	8879.5	9606.7	10076.1	9668.1
40°	8262.8	8259.7	8609.5	8741.4	8867.2	8808.9	9171.0	9244.6	9686.5	10036.2	9674.2
42.5°	8947.0	8904.1	9260.0	9465.6	9628.2	9634.3	9701.8	9677.3	9723.3	9833.7	9609.8
45°	9597.5	9689.5	10048.5	10416.7	10579.3	10597.7	10149.8	10103.7	9787.7	9775.4	9487.0
47.5°	10392.2	10413.6	10708.2	11193.0	11570.4	11441.5	10729.7	10628.4	10070.0	10165.1	9692.6
50°	10438.2	10597.7	10861.6	11432.3	12592.1	12558.3	11481.4	11291.2	10524.1	10717.4	10266.4
52.5°	9474.8	9437.9	9750.9	10683.6	12515.4	13669.1	12727.1	12273.0	11499.8	11352.5	11196.0
55°	7219.6	7305.5	7581.6	8523.6	10867.7	13684.4	14423.8	14052.6	12543.0	12291.4	12110.4
56°	6332.9	6345.1	6605.9	7465.1	9916.6	13196.5	14746.0	14445.3	13061.5	12678.0	12401.9
57.5°	5249.8	5179.2	5314.2	5783.7	8370.2	12165.6	14393.2	14687.7	13669.1	13095.3	12711.8
60°	4132.9	4117.6	4062.4	4148.3	5289.7	9164.9	11981.5	12644.3	13607.7	12702.6	12174.8
62.5°	3375.1	3298.4	3408.8	3531.6	3675.8	5685.5	8419.3	8808.9	10803.3	10140.6	9146.5
65°	2617.2	2580.4	2718.5	3117.3	3203.3	3611.3	4795.7	5096.4	6378.9	6265.4	5516.7
67.5°	1801.1	1807.2	1926.9	2534.4	2970.1	2933.2	2936.3	3092.8	3329.1	2473.0	2153.9
70°	1141.4	1138.3	1202.8	1632.3	2390.2	2414.7	2292.0	2246.0	2129.4	1288.7	1365.4
72.5°	733.3	711.8	745.6	902.1	1236.5	1429.8	1472.8	1500.4	1233.4	1012.5	1098.4
75°	414.2	392.7	380.5	420.4	487.9	564.6	619.8	638.2	714.9	767.1	813.1
77.5°	125.8	113.5	138.1	184.1	242.4	325.2	395.8	408.1	481.7	543.1	589.1
80°	55.2	61.4	85.9	122.7	171.8	230.1	279.2	297.6	346.7	392.7	405.0
82.5°	33.8	36.8	58.3	82.8	119.7	162.6	199.4	205.6	254.7	291.5	300.7
85°	12.3	15.3	30.7	49.1	76.7	104.3	104.3	113.5	104.3	104.3	113.5
87.5°	0.0	0.0	3.1	6.1	6.1	9.2	12.3	12.3	15.3	18.4	21.5
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°	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0	7913.0
2.5°	7934.5	7919.2	7894.6	7805.6	7796.4	7768.8	7615.4	7590.9	7615.4	7541.8	7547.9
5°	7919.2	7965.2	7781.1	7692.1	7526.4	7406.8	7268.7	7198.1	7072.3	6992.5	7081.5
7.5°	7986.7	7968.2	7738.1	7544.8	7296.3	6992.5	6750.2	6612.1	6391.2	6329.8	6375.8
10°	7962.1	7863.9	7593.9	7339.3	6869.8	6602.9	6210.1	5829.7	5621.0	5513.6	5498.3
12.5°	7928.4	7900.7	7449.7	7011.0	6517.0	5955.5	5403.2	5044.2	4703.6	4556.4	4577.8
15°	7968.2	7735.1	7179.7	6624.4	5967.7	5231.4	4636.1	4172.8	3936.6	3841.4	3841.4
17.5°	7949.8	7655.3	7050.8	6191.7	5360.2	4488.8	3835.3	3556.1	3457.9	3457.9	3485.5
20°	7959.0	7707.4	6790.0	5759.1	4642.3	3780.1	3304.5	3203.3	3246.2	3261.5	3276.9
22.5°	8011.2	7535.6	6535.4	5283.5	3976.5	3233.9	3000.7	3003.8	3080.5	3163.4	3148.0
25°	8075.6	7468.1	6225.5	4811.0	3467.1	2967.0	2893.4	2884.2	2942.5	2985.4	2991.5
27.5°	8020.4	7351.5	5909.4	4221.9	3049.8	2789.0	2773.7	2779.8	2798.2	2884.2	2856.5
30°	8201.4	7385.3	5513.6	3727.9	2819.7	2730.7	2712.3	2703.1	2730.7	2755.3	2733.8
32.5°	8425.4	7265.6	5219.1	3252.3	2706.2	2687.8	2651.0	2638.7	2654.0	2629.5	2641.8
35°	8523.6	7244.1	4835.6	2911.8	2617.2	2601.9	2580.4	2577.3	2580.4	2558.9	2540.5
37.5°	8578.8	7345.4	4396.8	2755.3	2562.0	2577.3	2528.2	2522.1	2466.9	2479.1	2488.4
40°	8673.9	7188.9	4040.9	2604.9	2528.2	2497.6	2454.6	2445.4	2408.6	2387.1	2408.6
42.5°	8535.9	7142.9	3691.1	2540.5	2479.1	2445.4	2414.7	2362.6	2350.3	2331.9	2319.6
45°	8425.4	6879.0	3378.1	2460.7	2420.8	2402.4	2344.1	2288.9	2242.9	2261.3	2233.7
47.5°	8508.3	6787.0	3068.3	2393.2	2341.1	2319.6	2261.3	2218.3	2172.3	2150.8	2144.7
50°	8839.6	6958.8	2807.4	2344.1	2273.6	2261.3	2184.6	2135.5	2092.5	2077.2	2083.3
52.5°	9631.2	7428.2	2629.5	2242.9	2209.1	2153.9	2111.0	2049.6	2022.0	1972.9	2003.6
55°	10634.6	8192.2	2583.5	2147.8	2129.4	2080.3	2022.0	1976.0	1923.8	1883.9	1874.7
56°	10956.7	8557.3	2546.6	2111.0	2080.3	2052.7	1976.0	1948.3	1865.5	1856.3	1850.2
57.5°	11217.5	8879.5	2552.8	2040.4	2009.7	1985.2	1939.1	1871.6	1816.4	1782.7	1798.0
60°	10628.4	8311.9	2436.2	1933.0	1926.9	1880.8	1816.4	1785.7	1718.2	1678.3	1669.1
62.5°	7900.7	5642.5	1976.0	1794.9	1791.9	1742.8	1669.1	1635.4	1623.1	1567.9	1567.9
65°	4550.2	3537.7	1709.0	1681.4	1656.9	1607.8	1534.1	1506.5	1475.8	1457.4	1442.1
67.5°	1942.2	1834.8	1552.5	1549.5	1521.9	1460.5	1386.8	1343.9	1304.0	1267.2	1285.6
70°	1408.3	1429.8	1402.2	1386.8	1353.1	1276.4	1212.0	1159.8	1098.4	1073.9	1092.3
72.5°	1116.8	1162.9	1202.8	1205.8	1165.9	1077.0	1006.4	935.8	868.3	834.6	849.9
75°	846.8	877.5	917.4	926.6	868.3	806.9	739.4	665.8	613.7	573.8	579.9
77.5°	610.6	604.4	641.3	635.1	607.5	564.6	503.2	435.7	377.4	340.6	343.6
80°	417.3	426.5	448.0	444.9	411.1	383.5	337.5	282.3	239.3	208.6	202.5
82.5°	291.5	306.8	325.2	309.9	282.3	254.7	220.9	181.0	147.3	122.7	116.6
85°	104.3	119.7	138.1	147.3	156.5	150.3	125.8	101.3	73.6	61.4	58.3
87.5°	21.5	24.5	27.6	27.6	27.6	24.5	21.5	21.5	18.4	9.2	9.2
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)