

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: P530806

Luminaire Tested: **GALN-SA6A-740-U-SL2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530806  
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-SA6A-740-U-SL2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 615mA 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: 22985 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

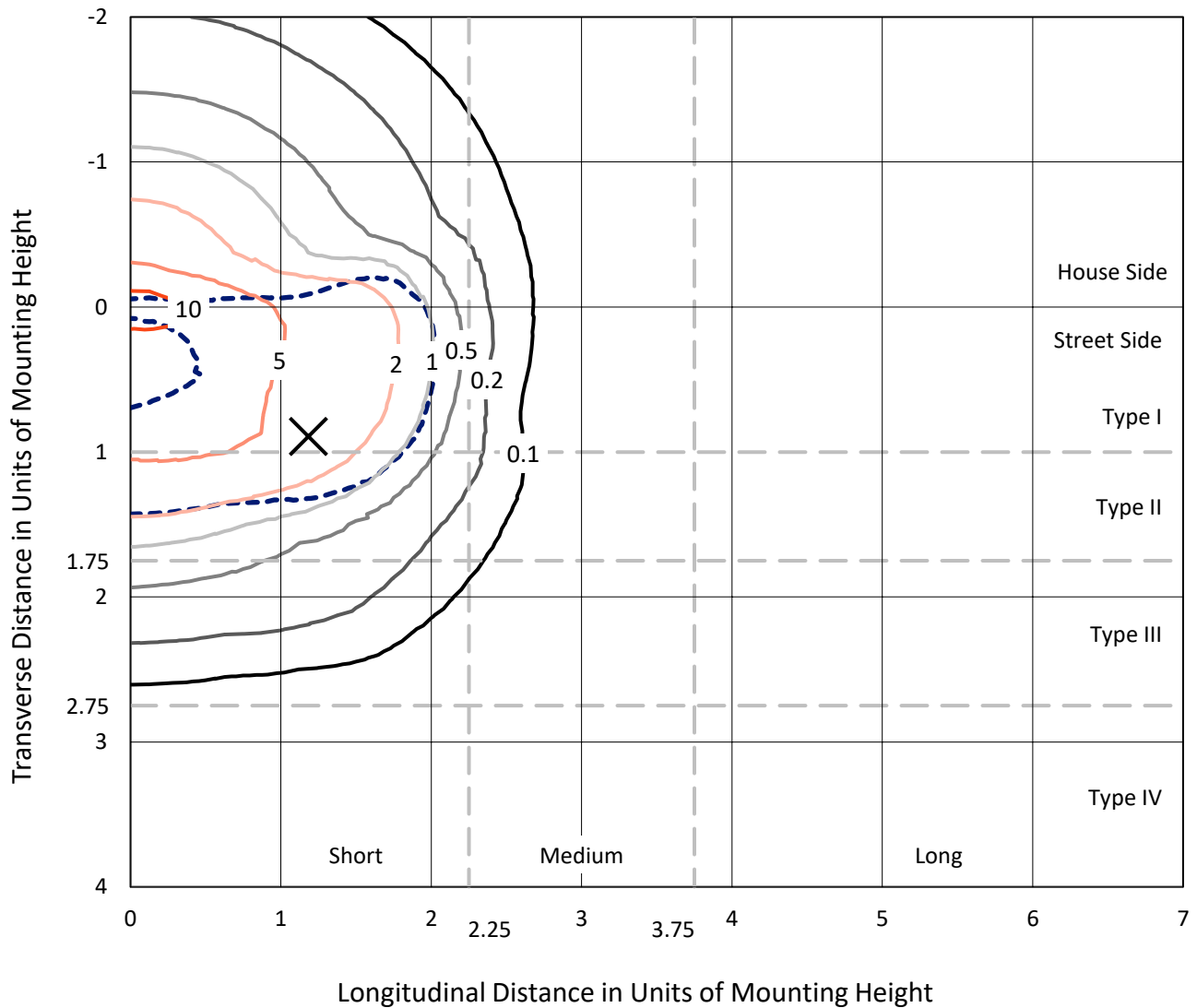
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P530806  
 CATALOG NUMBER: GALN-SA6A-740-U-SL2-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

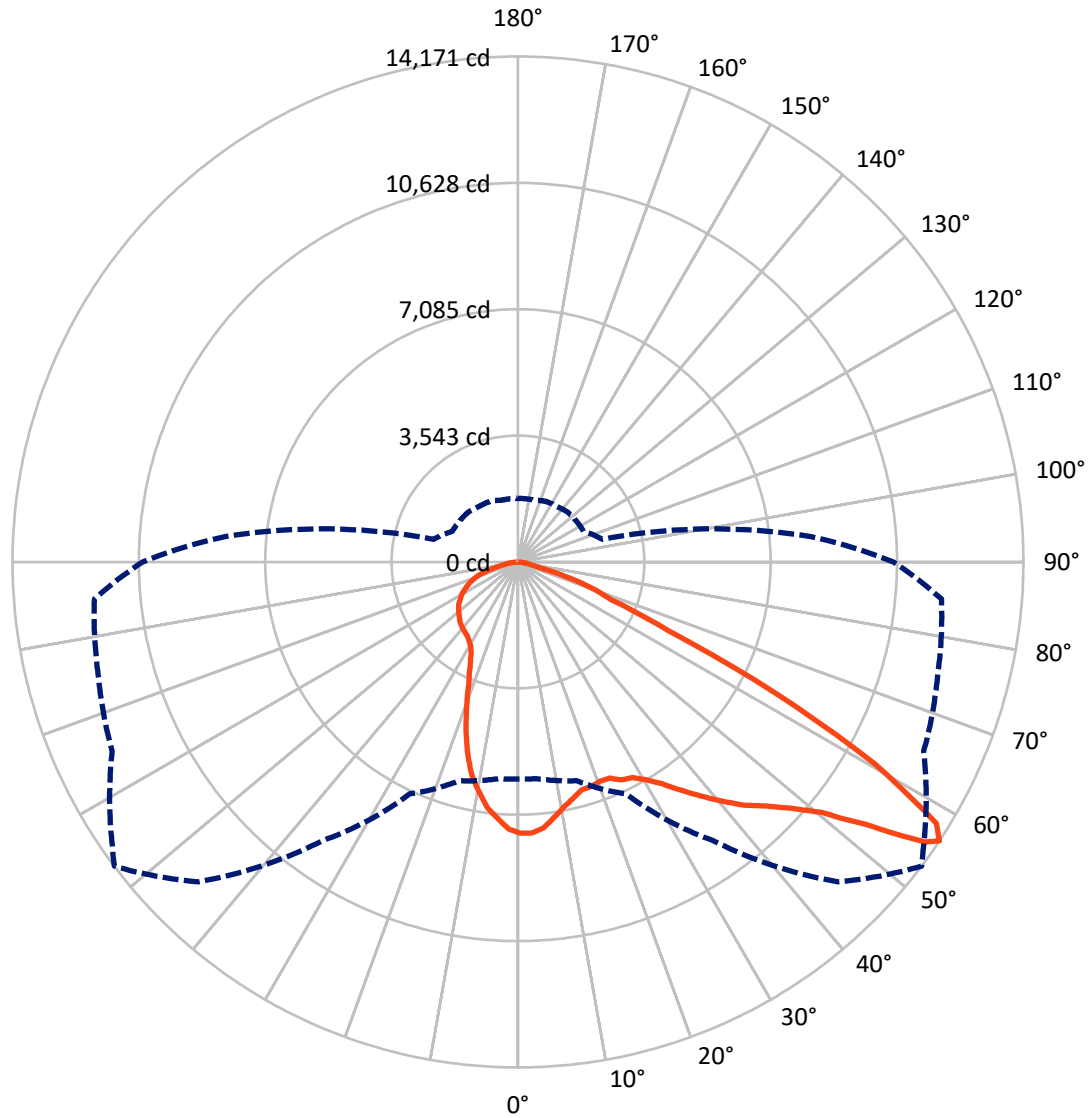
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc  
 Type II - Short - N/A

REPORT NUMBER: P530806  
CATALOG NUMBER: GALN-SA6A-740-U-SL2-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P530806  
 CATALOG NUMBER: GALN-SA6A-740-U-SL2-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6707.5	0.0	6707.5
	% Fixture	29.2	0.0	29.2
<b>Street Side</b>	Lumens	16277.5	0.0	16277.5
	% Fixture	70.8	0.0	70.8
<b>Total</b>	Lumens	22985.0	0.0	22985.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	673.2	2.9
10°-20°	1681.4	7.3
20°-30°	2479.3	10.8
30°-40°	3542.5	15.4
40°-50°	4875.7	21.2
50°-60°	5761.8	25.1
60°-70°	3070.7	13.4
70°-80°	779.0	3.4
80°-90°	121.5	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°	22985.0	100.0
0°-180°	22985.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P530806

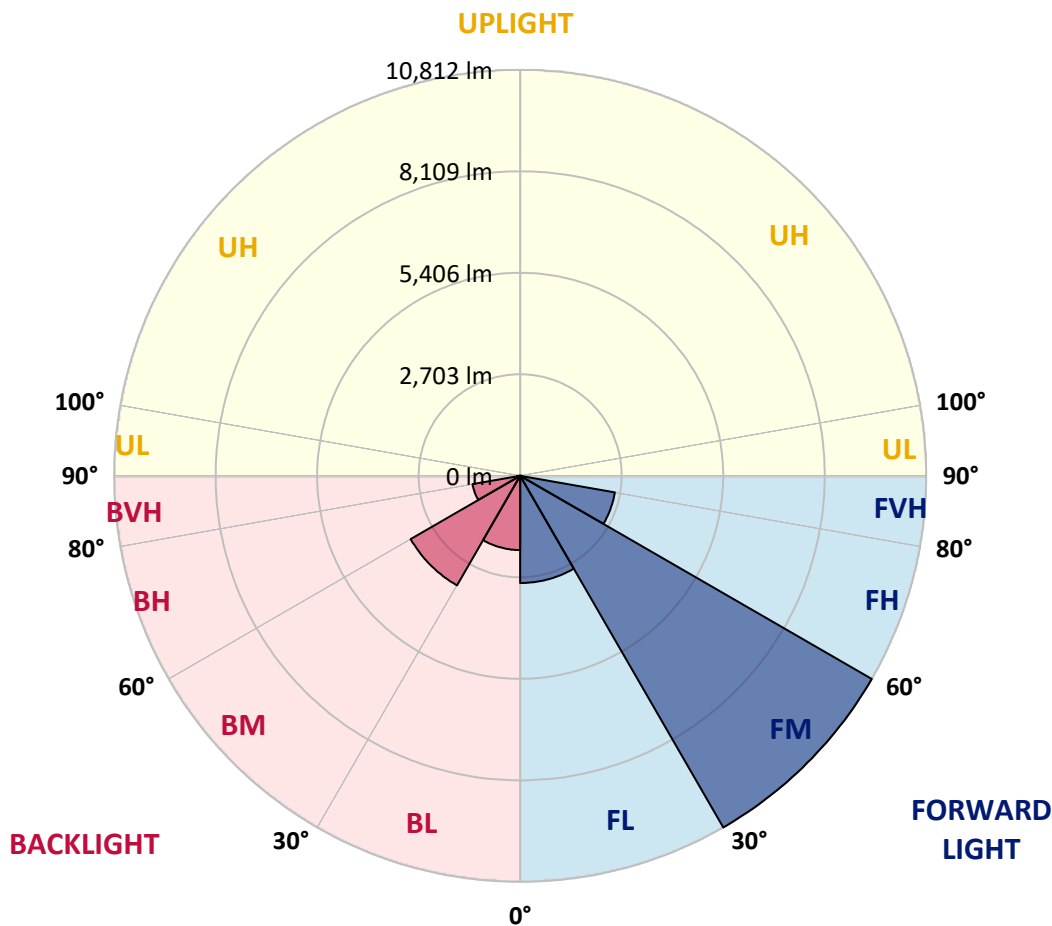
CATALOG NUMBER: GALN-SA6A-740-U-SL2-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2855.6	12.4			
FM (30°-60°)	10811.7	47.0			
FH (60°-80°)	2561.4	11.1			G2/5000
FVH (80°-90°)	48.8	0.2			G1/100
BL (0°-30°)	1978.3	8.6	B3/2500		
BM (30°-60°)	3368.3	14.7	B3/5000		
BH (60°-80°)	1288.3	5.6	B3/2500		G3/2500
BVH (80°-90°)	72.6	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





REPORT NUMBER: P530806

CATALOG NUMBER: GALN-SA6A-740-U-SL2-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3
2.5°	7510.0	7445.1	7483.5	7468.7	7589.6	7625.0	7607.3	7622.0	7689.9	7657.4	7589.6
5°	7017.6	7109.0	7126.7	7170.9	7241.7	7380.3	7489.3	7518.8	7551.3	7701.6	7686.9
7.5°	6569.4	6631.3	6598.9	6728.6	6881.9	7106.0	7238.7	7262.3	7560.1	7642.7	7704.6
10°	6286.3	6224.4	6371.8	6407.2	6581.2	6837.7	6996.9	7094.2	7365.5	7692.8	7731.1
12.5°	6023.9	6003.3	6091.7	6192.0	6386.6	6652.0	6814.1	6852.5	7271.2	7616.1	7796.0
15°	5829.3	5805.7	5894.2	5967.9	6194.9	6430.8	6637.2	6746.3	7168.0	7571.9	7740.0
17.5°	5676.0	5673.0	5723.2	5855.8	6088.8	6286.3	6619.5	6625.4	7114.9	7639.7	7787.2
20°	5667.1	5664.2	5673.0	5820.5	6032.8	6274.5	6563.5	6616.6	7114.9	7592.5	7790.1
22.5°	5740.9	5693.7	5746.7	5841.1	5994.4	6295.2	6584.1	6702.1	7285.9	7825.5	7922.8
25°	5858.8	5870.6	5900.1	5932.5	6021.0	6342.4	6767.0	6864.3	7486.4	8026.0	8105.6
27.5°	6074.0	6068.1	6079.9	6097.6	6174.3	6386.6	6840.7	7091.3	7905.1	8382.8	8303.2
30°	6389.5	6368.9	6416.1	6478.0	6407.2	6528.1	7085.4	7274.1	8294.3	8742.5	8524.3
32.5°	6675.5	6752.2	6840.7	6867.2	6781.7	6805.3	7409.7	7601.4	8618.6	9184.8	8795.6
35°	7032.3	7094.2	7212.2	7294.7	7280.0	7209.2	7852.0	8105.6	9087.5	9509.1	9081.6
37.5°	7380.3	7454.0	7648.6	7893.3	7757.7	7725.2	8323.8	8533.1	9232.0	9683.1	9290.9
40°	7940.5	7937.5	8273.7	8400.5	8521.3	8465.3	8813.3	8884.0	9308.6	9644.7	9296.8
42.5°	8598.0	8556.7	8898.8	9096.3	9252.6	9258.5	9323.4	9299.8	9344.0	9450.1	9234.9
45°	9223.1	9311.6	9656.5	10010.4	10166.6	10184.3	9753.8	9709.6	9405.9	9394.1	9117.0
47.5°	9986.8	10007.4	10290.5	10756.4	11119.0	10995.2	10311.1	10213.8	9677.2	9768.6	9314.5
50°	10031.0	10184.3	10437.9	10986.3	12100.9	12068.5	11033.5	10850.7	10113.6	10299.3	9865.9
52.5°	9105.2	9069.8	9370.5	10266.9	12027.2	13135.8	12230.6	11794.3	11051.2	10909.7	10759.3
55°	6938.0	7020.5	7285.9	8191.1	10443.8	13150.6	13861.2	13504.4	12053.7	11811.9	11638.0
56°	6085.8	6097.6	6348.3	7173.9	9529.8	12681.8	14170.8	13881.8	12552.0	12183.5	11918.1
57.5°	5045.0	4977.2	5106.9	5558.0	8043.7	11691.1	13831.7	14114.8	13135.8	12584.5	12215.9
60°	3971.7	3957.0	3903.9	3986.5	5083.3	8807.4	11514.1	12151.0	13076.9	12207.1	11699.9
62.5°	3243.4	3169.7	3275.9	3393.8	3532.4	5463.7	8090.9	8465.3	10381.9	9745.0	8789.7
65°	2515.1	2479.7	2612.4	2995.7	3078.3	3470.5	4608.6	4897.6	6130.1	6021.0	5301.5
67.5°	1730.8	1736.7	1851.7	2435.5	2854.2	2818.8	2821.8	2972.2	3199.2	2376.5	2069.9
70°	1096.9	1093.9	1155.8	1568.6	2296.9	2320.5	2202.6	2158.3	2046.3	1238.4	1312.1
72.5°	704.7	684.1	716.5	866.9	1188.3	1374.0	1415.3	1441.8	1185.3	973.0	1055.6
75°	398.1	377.4	365.6	404.0	468.8	542.5	595.6	613.3	687.0	737.1	781.4
77.5°	120.9	109.1	132.7	176.9	232.9	312.5	380.4	392.2	462.9	521.9	566.1
80°	53.1	59.0	82.6	117.9	165.1	221.1	268.3	286.0	333.2	377.4	389.2
82.5°	32.4	35.4	56.0	79.6	115.0	156.3	191.7	197.6	244.7	280.1	289.0
85°	11.8	14.7	29.5	47.2	73.7	100.3	100.3	109.1	100.3	100.3	109.1
87.5°	0.0	0.0	2.9	5.9	5.9	8.8	11.8	11.8	14.7	17.7	20.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P530806

CATALOG NUMBER: GALN-SA6A-740-U-SL2-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3	7604.3
2.5°	7625.0	7610.2	7586.7	7501.1	7492.3	7465.8	7318.3	7294.7	7318.3	7247.6	7253.5
5°	7610.2	7654.5	7477.6	7392.0	7232.8	7117.8	6985.1	6917.3	6796.4	6719.8	6805.3
7.5°	7675.1	7657.4	7436.3	7250.5	7011.7	6719.8	6486.8	6354.2	6141.9	6082.9	6127.1
10°	7651.5	7557.2	7297.7	7053.0	6601.8	6345.3	5967.9	5602.3	5401.8	5298.6	5283.8
12.5°	7619.1	7592.5	7159.1	6737.5	6262.7	5723.2	5192.4	4847.4	4520.1	4378.6	4399.3
15°	7657.4	7433.3	6899.6	6365.9	5735.0	5027.3	4455.3	4010.0	3783.0	3691.6	3691.6
17.5°	7639.7	7356.7	6775.8	5950.2	5151.1	4313.7	3685.7	3417.4	3323.0	3323.0	3349.6
20°	7648.6	7406.8	6525.2	5534.5	4461.2	3632.6	3175.6	3078.3	3119.6	3134.3	3149.1
22.5°	7698.7	7241.7	6280.4	5077.4	3821.3	3107.8	2883.7	2886.6	2960.4	3040.0	3025.2
25°	7760.6	7176.8	5982.6	4623.3	3331.9	2851.3	2780.5	2771.6	2827.7	2869.0	2874.8
27.5°	7707.5	7064.8	5678.9	4057.2	2930.9	2680.2	2665.5	2671.4	2689.1	2771.6	2745.1
30°	7881.5	7097.2	5298.6	3582.5	2709.7	2624.2	2606.5	2597.7	2624.2	2647.8	2627.2
32.5°	8096.8	6982.2	5015.5	3125.5	2600.6	2582.9	2547.6	2535.8	2550.5	2526.9	2538.7
35°	8191.1	6961.6	4646.9	2798.2	2515.1	2500.4	2479.7	2476.8	2479.7	2459.1	2441.4
37.5°	8244.2	7058.9	4225.3	2647.8	2462.1	2476.8	2429.6	2423.7	2370.6	2382.4	2391.3
40°	8335.6	6908.5	3883.3	2503.3	2429.6	2400.1	2358.9	2350.0	2314.6	2294.0	2314.6
42.5°	8202.9	6864.3	3547.1	2441.4	2382.4	2350.0	2320.5	2270.4	2258.6	2240.9	2229.1
45°	8096.8	6610.7	3246.4	2364.7	2326.4	2308.7	2252.7	2199.6	2155.4	2173.1	2146.6
47.5°	8176.4	6522.2	2948.6	2299.9	2249.8	2229.1	2173.1	2131.8	2087.6	2066.9	2061.0
50°	8494.8	6687.3	2697.9	2252.7	2184.9	2173.1	2099.4	2052.2	2010.9	1996.2	2002.1
52.5°	9255.5	7138.5	2526.9	2155.4	2123.0	2069.9	2028.6	1969.6	1943.1	1895.9	1925.4
55°	10219.7	7872.7	2482.7	2064.0	2046.3	1999.1	1943.1	1898.9	1848.7	1810.4	1801.6
56°	10529.3	8223.5	2447.3	2028.6	1999.1	1972.6	1898.9	1872.3	1792.7	1783.9	1778.0
57.5°	10779.9	8533.1	2453.2	1960.8	1931.3	1907.7	1863.5	1798.6	1745.5	1713.1	1727.9
60°	10213.8	7987.7	2341.2	1857.6	1851.7	1807.5	1745.5	1716.1	1651.2	1612.9	1604.0
62.5°	7592.5	5422.4	1898.9	1724.9	1722.0	1674.8	1604.0	1571.6	1559.8	1506.7	1506.7
65°	4372.7	3399.7	1642.3	1615.8	1592.2	1545.0	1474.3	1447.7	1418.3	1400.6	1385.8
67.5°	1866.4	1763.2	1492.0	1489.0	1462.5	1403.5	1332.8	1291.5	1253.1	1217.8	1235.4
70°	1353.4	1374.0	1347.5	1332.8	1300.3	1226.6	1164.7	1114.6	1055.6	1032.0	1049.7
72.5°	1073.3	1117.5	1155.8	1158.8	1120.5	1034.9	967.1	899.3	834.4	802.0	816.8
75°	813.8	843.3	881.6	890.5	834.4	775.5	710.6	639.8	589.7	551.4	557.3
77.5°	586.8	580.9	616.2	610.4	583.8	542.5	483.6	418.7	362.7	327.3	330.2
80°	401.0	409.9	430.5	427.5	395.1	368.6	324.3	271.3	230.0	200.5	194.6
82.5°	280.1	294.9	312.5	297.8	271.3	244.7	212.3	174.0	141.5	117.9	112.0
85°	100.3	115.0	132.7	141.5	150.4	144.5	120.9	97.3	70.8	59.0	56.0
87.5°	20.6	23.6	26.5	26.5	26.5	23.6	20.6	20.6	17.7	8.8	8.8
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)