

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: P530754

Luminaire Tested: **GALN-SA6A-730-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530754
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-730-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 20933 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

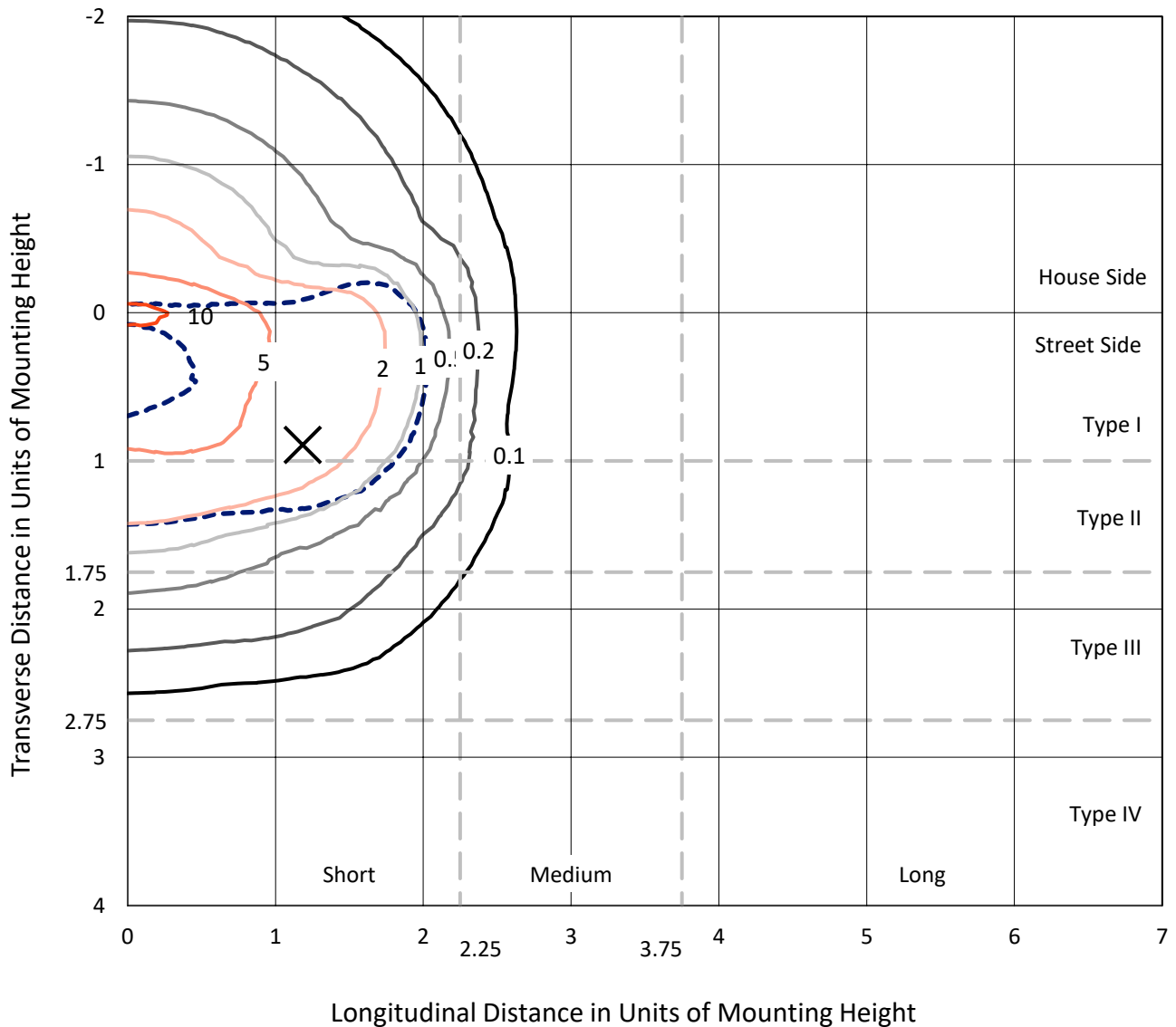
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530754
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Iso-Footcandle Lines of Horizontal Illumination

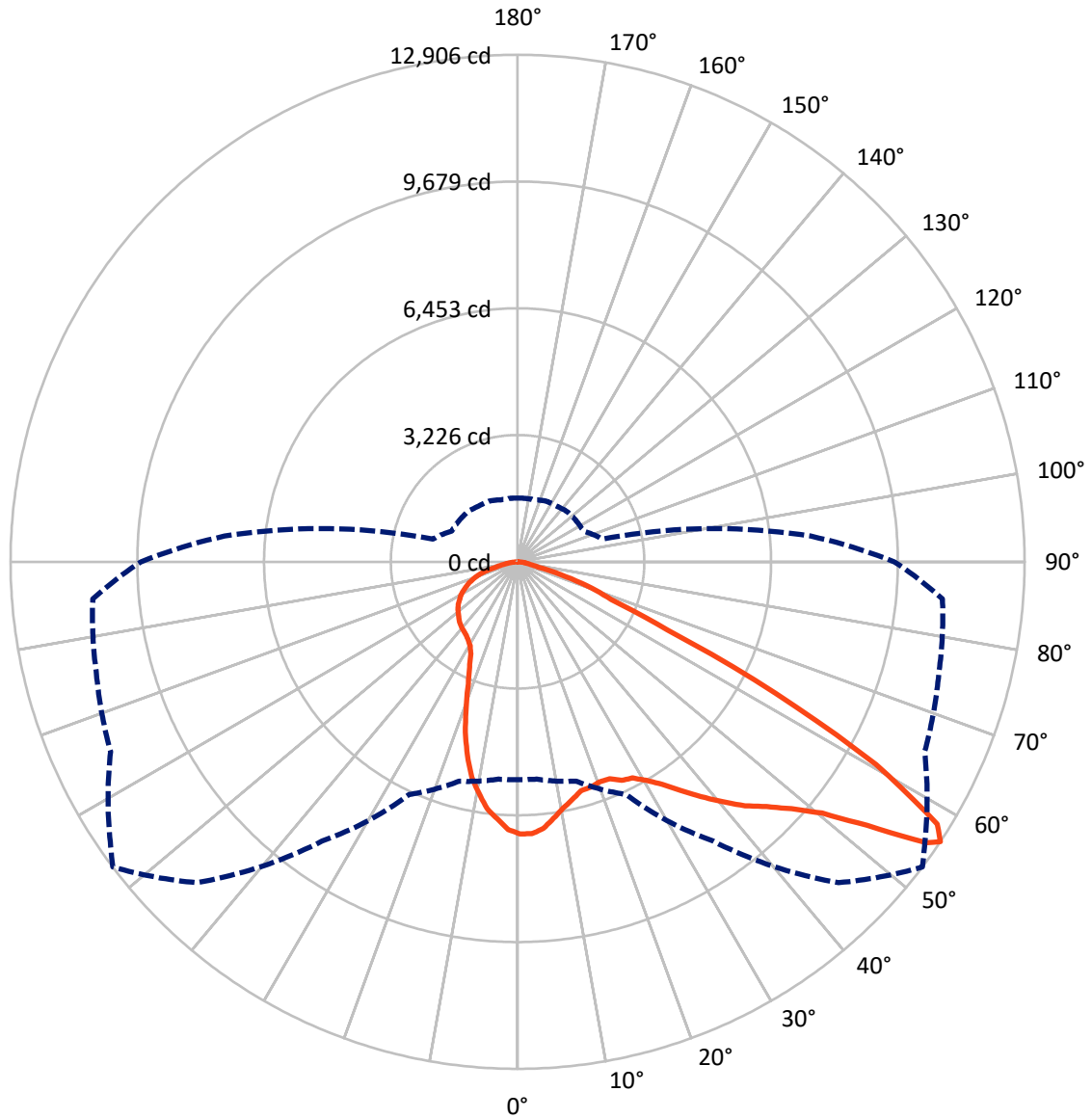
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

REPORT NUMBER: P530754
CATALOG NUMBER: GALN-SA6A-730-U-SL2-GRSWH

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	6108.7	0.0	6108.7
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	14824.3	0.0	14824.3
	% Fixture	70.8	0.0	70.8
Total	Lumens	20933.0	0.0	20933.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.1	2.9
10°-20°	1531.3	7.3
20°-30°	2258.0	10.8
30°-40°	3226.2	15.4
40°-50°	4440.4	21.2
50°-60°	5247.4	25.1
60°-70°	2796.5	13.4
70°-80°	709.5	3.4
80°-90°	110.6	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°	20933.0	100.0
0°-180°	20933.0	100.0

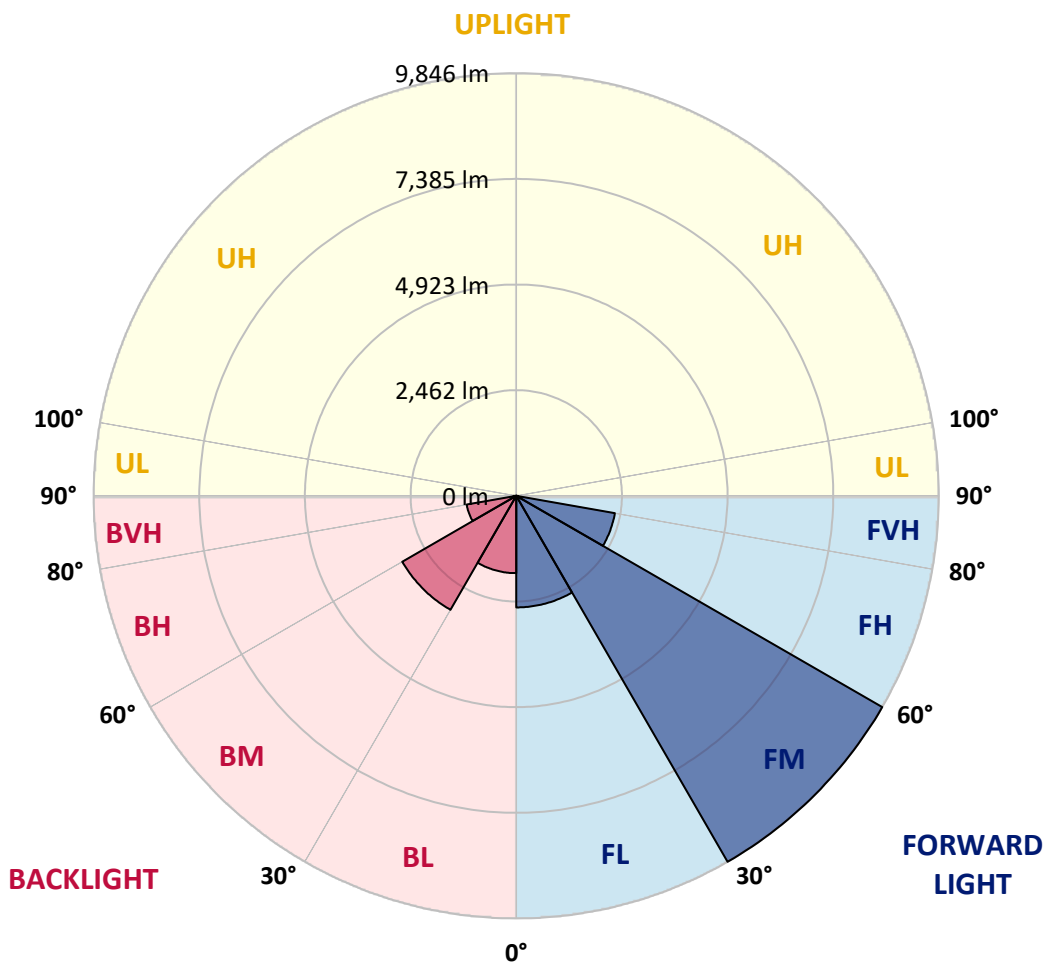


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2600.6	12.4			
FM (30°-60°)	9846.5	47.0			
FH (60°-80°)	2332.7	11.1			G2/5000
FVH (80°-90°)	44.5	0.2			G1/100
BL (0°-30°)	1801.7	8.6	B3/2500		
BM (30°-60°)	3067.6	14.7	B3/5000		
BH (60°-80°)	1173.3	5.6	B3/2500		G3/2500
BVH (80°-90°)	66.2	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°	53°	55°	65°	75°	85°
0°	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5
2.5°	6839.5	6780.5	6815.4	6801.9	6912.0	6944.3	6928.1	6941.6	7003.3	6973.8	6912.0
5°	6391.1	6474.3	6490.4	6530.7	6595.2	6721.4	6820.7	6847.6	6877.1	7014.1	7000.7
7.5°	5982.9	6039.3	6009.8	6127.9	6267.6	6471.6	6592.5	6614.0	6885.2	6960.4	7016.8
10°	5725.1	5668.7	5803.0	5835.2	5993.7	6227.3	6372.3	6460.9	6707.9	7006.0	7040.9
12.5°	5486.1	5467.3	5547.9	5639.2	5816.4	6058.1	6205.8	6240.7	6622.0	6936.2	7100.0
15°	5308.9	5287.4	5368.0	5435.1	5641.9	5856.7	6044.7	6144.0	6528.0	6895.9	7049.0
17.5°	5169.3	5166.6	5212.2	5333.1	5545.2	5725.1	6028.6	6033.9	6479.7	6957.7	7092.0
20°	5161.2	5158.5	5166.6	5300.8	5494.2	5714.4	5977.5	6025.9	6479.7	6914.7	7094.6
22.5°	5228.3	5185.4	5233.7	5319.6	5459.3	5733.2	5996.3	6103.8	6635.4	7126.9	7215.5
25°	5335.7	5346.5	5373.3	5402.9	5483.4	5776.1	6162.8	6251.4	6818.0	7309.5	7382.0
27.5°	5531.8	5526.4	5537.1	5553.3	5623.1	5816.4	6230.0	6458.2	7199.4	7634.4	7561.9
30°	5819.1	5800.3	5843.3	5899.7	5835.2	5945.3	6452.8	6624.7	7553.8	7962.0	7763.3
32.5°	6079.6	6149.4	6230.0	6254.1	6176.3	6197.7	6748.2	6922.8	7849.2	8364.8	8010.3
35°	6404.5	6460.9	6568.3	6643.5	6630.1	6565.6	7151.0	7382.0	8276.2	8660.2	8270.8
37.5°	6721.4	6788.5	6965.7	7188.6	7065.1	7035.6	7580.7	7771.3	8407.8	8818.6	8461.5
40°	7231.6	7228.9	7535.0	7650.5	7760.6	7709.6	8026.4	8090.9	8477.6	8783.7	8466.8
42.5°	7830.4	7792.8	8104.3	8284.2	8426.6	8431.9	8491.0	8469.5	8509.8	8606.5	8410.4
45°	8399.7	8480.3	8794.4	9116.7	9259.0	9275.1	8883.1	8842.8	8566.2	8555.5	8303.0
47.5°	9095.2	9114.0	9371.8	9796.1	10126.4	10013.6	9390.6	9302.0	8813.2	8896.5	8483.0
50°	9135.5	9275.1	9506.1	10005.5	11020.6	10991.0	10048.5	9882.0	9210.7	9379.9	8985.1
52.5°	8292.3	8260.1	8534.0	9350.3	10953.5	11963.1	11138.7	10741.3	10064.6	9935.7	9798.8
55°	6318.6	6393.8	6635.4	7459.8	9511.4	11976.6	12623.7	12298.8	10977.6	10757.4	10599.0
56°	5542.5	5553.3	5781.5	6533.4	8679.0	11549.6	12905.7	12642.5	11431.4	11095.8	10854.1
57.5°	4594.6	4532.8	4651.0	5061.8	7325.6	10647.3	12596.9	12854.7	11963.1	11461.0	11125.3
60°	3617.1	3603.7	3555.4	3630.6	4629.5	8021.1	10486.2	11066.2	11909.4	11117.3	10655.4
62.5°	2953.9	2886.7	2983.4	3090.8	3217.0	4975.9	7368.5	7709.6	9455.0	8875.0	8005.0
65°	2290.6	2258.4	2379.2	2728.3	2803.5	3160.6	4197.2	4460.3	5582.8	5483.4	4828.2
67.5°	1576.3	1581.7	1686.4	2218.1	2599.4	2567.2	2569.9	2706.8	2913.6	2164.4	1885.1
70°	998.9	996.3	1052.6	1428.6	2091.9	2113.4	2005.9	1965.7	1863.6	1127.8	1195.0
72.5°	641.8	623.0	652.5	789.5	1082.2	1251.4	1289.0	1313.1	1079.5	886.2	961.3
75°	362.5	343.7	333.0	367.9	427.0	494.1	542.4	558.5	625.7	671.3	711.6
77.5°	110.1	99.4	120.8	161.1	212.1	284.6	346.4	357.1	421.6	475.3	515.6
80°	48.3	53.7	75.2	107.4	150.4	201.4	244.4	260.5	303.4	343.7	354.5
82.5°	29.5	32.2	51.0	72.5	104.7	142.3	174.5	179.9	222.9	255.1	263.2
85°	10.7	13.4	26.9	43.0	67.1	91.3	91.3	99.4	91.3	91.3	99.4
87.5°	0.0	0.0	2.7	5.4	5.4	8.1	10.7	10.7	13.4	16.1	18.8
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°	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5	6925.5
2.5°	6944.3	6930.8	6909.3	6831.5	6823.4	6799.3	6665.0	6643.5	6665.0	6600.5	6605.9
5°	6930.8	6971.1	6810.0	6732.1	6587.1	6482.4	6361.5	6299.8	6189.7	6119.9	6197.7
7.5°	6989.9	6973.8	6772.4	6603.2	6385.7	6119.9	5907.7	5786.9	5593.5	5539.8	5580.1
10°	6968.4	6882.5	6646.2	6423.3	6012.4	5778.8	5435.1	5102.1	4919.5	4825.5	4812.1
12.5°	6938.9	6914.7	6520.0	6136.0	5703.6	5212.2	4728.9	4414.7	4116.6	3987.7	4006.5
15°	6973.8	6769.7	6283.7	5797.6	5223.0	4578.5	4057.5	3652.0	3445.3	3362.0	3362.0
17.5°	6957.7	6699.9	6170.9	5419.0	4691.3	3928.6	3356.7	3112.3	3026.4	3026.4	3050.5
20°	6965.7	6745.5	5942.6	5040.4	4062.9	3308.3	2892.1	2803.5	2841.1	2854.5	2867.9
22.5°	7011.4	6595.2	5719.7	4624.1	3480.2	2830.3	2626.3	2628.9	2696.1	2768.6	2755.1
25°	7067.8	6536.1	5448.5	4210.6	3034.4	2596.7	2532.3	2524.2	2575.2	2612.8	2618.2
27.5°	7019.4	6434.0	5171.9	3695.0	2669.2	2441.0	2427.5	2432.9	2449.0	2524.2	2500.0
30°	7177.9	6463.6	4825.5	3262.7	2467.8	2389.9	2373.8	2365.8	2389.9	2411.4	2392.6
32.5°	7373.9	6358.9	4567.7	2846.4	2368.5	2352.3	2320.1	2309.4	2322.8	2301.3	2312.1
35°	7459.8	6340.1	4232.1	2548.4	2290.6	2277.2	2258.4	2255.7	2258.4	2239.6	2223.5
37.5°	7508.2	6428.7	3848.1	2411.4	2242.2	2255.7	2212.7	2207.3	2159.0	2169.7	2177.8
40°	7591.4	6291.7	3536.6	2279.8	2212.7	2185.9	2148.3	2140.2	2108.0	2089.2	2108.0
42.5°	7470.6	6251.4	3230.4	2223.5	2169.7	2140.2	2113.4	2067.7	2057.0	2040.8	2030.1
45°	7373.9	6020.5	2956.5	2153.6	2118.7	2102.6	2051.6	2003.3	1963.0	1979.1	1954.9
47.5°	7446.4	5939.9	2685.3	2094.6	2048.9	2030.1	1979.1	1941.5	1901.2	1882.4	1877.0
50°	7736.4	6090.3	2457.1	2051.6	1989.8	1979.1	1912.0	1869.0	1831.4	1818.0	1823.3
52.5°	8429.2	6501.2	2301.3	1963.0	1933.4	1885.1	1847.5	1793.8	1769.6	1726.7	1753.5
55°	9307.3	7169.8	2261.0	1879.7	1863.6	1820.7	1769.6	1729.4	1683.7	1648.8	1640.7
56°	9589.3	7489.4	2228.8	1847.5	1820.7	1796.5	1729.4	1705.2	1632.7	1624.6	1619.3
57.5°	9817.6	7771.3	2234.2	1785.7	1758.9	1737.4	1697.1	1638.1	1589.7	1560.2	1573.6
60°	9302.0	7274.6	2132.2	1691.8	1686.4	1646.1	1589.7	1562.9	1503.8	1468.9	1460.8
62.5°	6914.7	4938.3	1729.4	1570.9	1568.2	1525.3	1460.8	1431.3	1420.5	1372.2	1372.2
65°	3982.3	3096.2	1495.7	1471.6	1450.1	1407.1	1342.7	1318.5	1291.6	1275.5	1262.1
67.5°	1699.8	1605.8	1358.8	1356.1	1331.9	1278.2	1213.8	1176.2	1141.3	1109.0	1125.2
70°	1232.6	1251.4	1227.2	1213.8	1184.2	1117.1	1060.7	1015.1	961.3	939.9	956.0
72.5°	977.5	1017.7	1052.6	1055.3	1020.4	942.6	880.8	819.0	759.9	730.4	743.8
75°	741.2	768.0	802.9	811.0	759.9	706.2	647.2	582.7	537.1	502.2	507.5
77.5°	534.4	529.0	561.2	555.9	531.7	494.1	440.4	381.3	330.3	298.1	300.8
80°	365.2	373.3	392.1	389.4	359.8	335.7	295.4	247.1	209.5	182.6	177.2
82.5°	255.1	268.5	284.6	271.2	247.1	222.9	193.3	158.4	128.9	107.4	102.0
85°	91.3	104.7	120.8	128.9	137.0	131.6	110.1	88.6	64.4	53.7	51.0
87.5°	18.8	21.5	24.2	24.2	24.2	21.5	18.8	18.8	16.1	8.1	8.1
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)