

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: P530756

Luminaire Tested: **GALN-SA6A-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530756
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-SA6A-730-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA 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: 20894 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

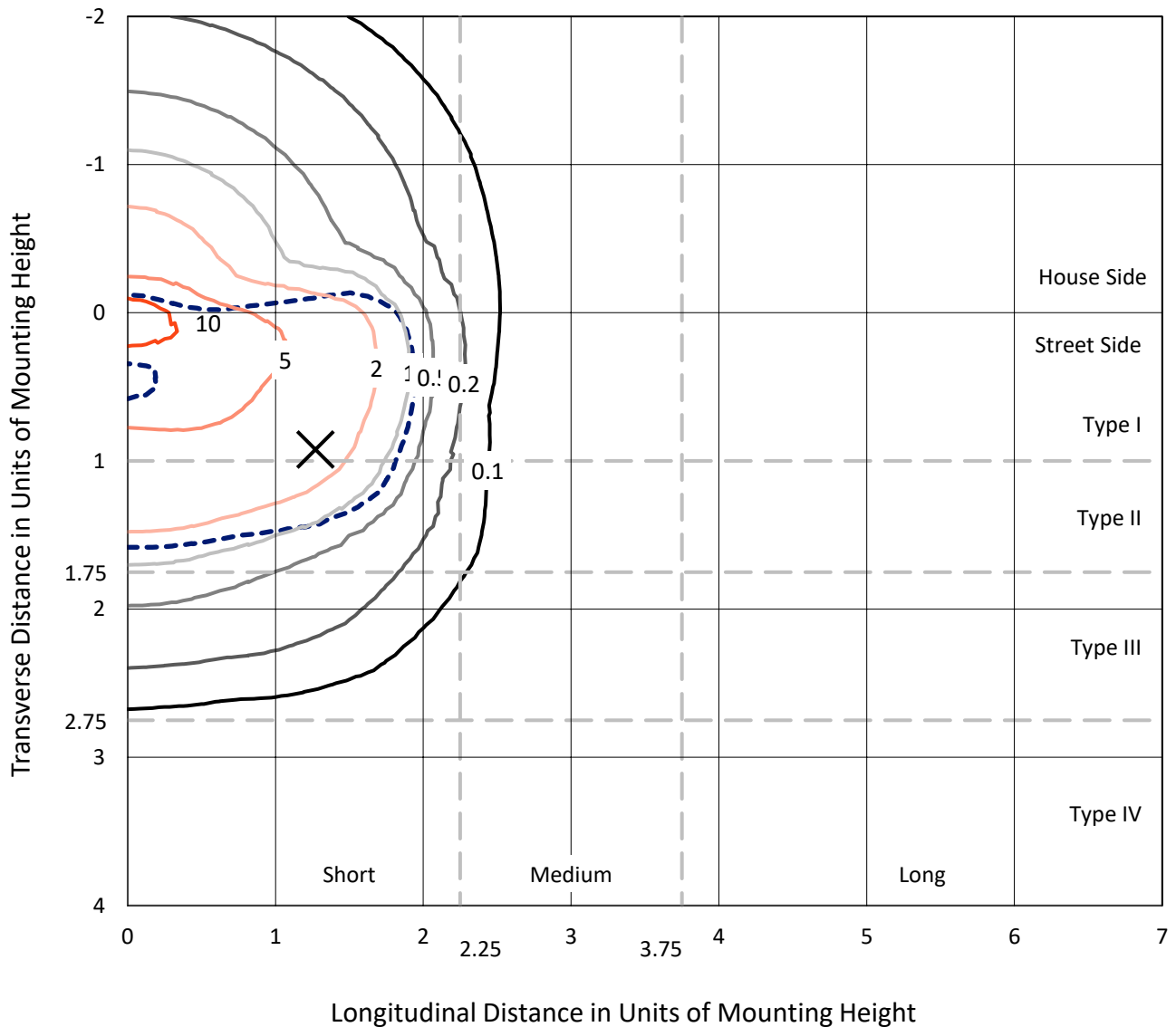
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

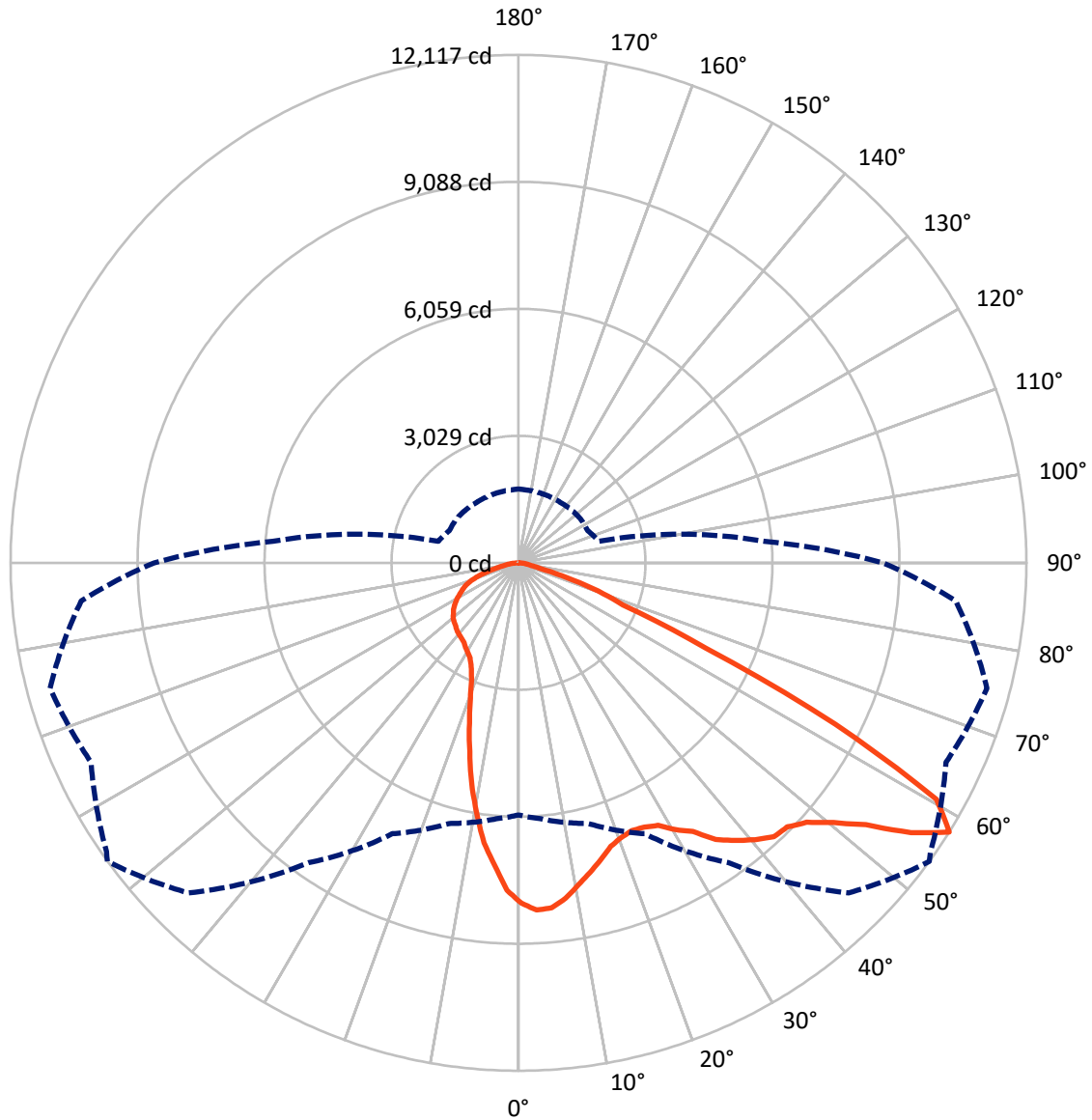
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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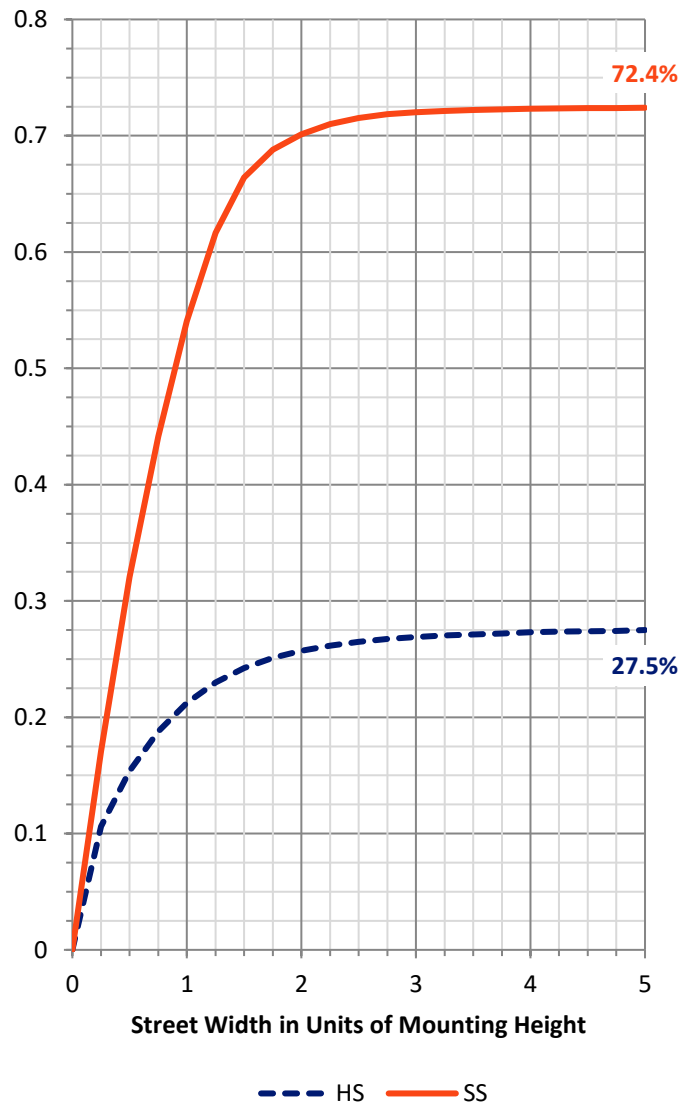
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5780.4	0.0	5780.4
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	15113.6	0.0	15113.6
	% Fixture	72.3	0.0	72.3
Total	Lumens	20894.0	0.0	20894.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.4	3.4
10°-20°	1621.6	7.8
20°-30°	2278.4	10.9
30°-40°	3185.2	15.2
40°-50°	4312.2	20.6
50°-60°	5252.5	25.1
60°-70°	2735.7	13.1
70°-80°	701.0	3.4
80°-90°	106.9	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°	20894.0	100.0
0°-180°	20894.0	100.0

Coefficient of Utilization

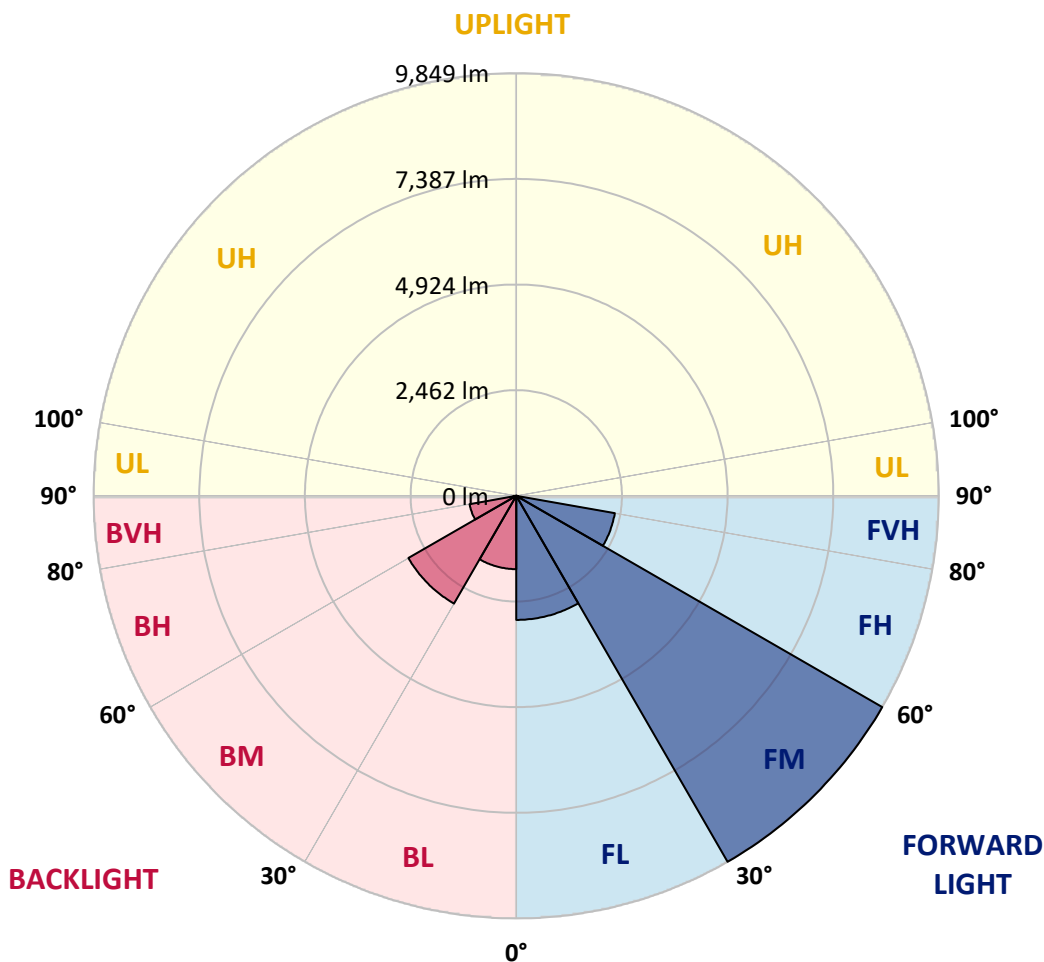


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2892.0	13.8			
FM (30°-60°)	9848.8	47.1			
FH (60°-80°)	2332.4	11.2			G2/5000
FVH (80°-90°)	40.4	0.2			G1/100
BL (0°-30°)	1708.4	8.2	B3/2500		
BM (30°-60°)	2901.2	13.9	B3/5000		
BH (60°-80°)	1104.4	5.3	B3/2500		G3/2500
BVH (80°-90°)	66.5	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°	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3
2.5°	8352.2	8320.0	8325.4	8368.3	8314.6	8293.1	8293.1	8188.4	8196.5	8123.9	8105.1
5°	8158.9	8083.7	8134.7	8199.1	8209.9	8231.4	8266.3	8239.4	8164.2	8086.3	7960.1
7.5°	7654.0	7721.1	7739.9	7785.6	7882.2	7970.9	8081.0	8005.8	8003.1	7925.2	7850.0
10°	7210.8	7170.6	7272.6	7339.7	7500.9	7648.6	7817.8	7809.7	7850.0	7761.4	7632.5
12.5°	6770.4	6738.2	6786.5	6939.6	7165.2	7380.0	7581.5	7506.3	7721.1	7705.0	7428.4
15°	6303.1	6327.3	6397.1	6539.4	6834.9	7092.7	7347.8	7350.5	7541.2	7605.6	7235.0
17.5°	5975.5	5948.6	6037.2	6249.4	6512.6	6821.4	7111.5	7170.6	7463.3	7500.9	7175.9
20°	5731.1	5768.7	5884.2	5991.6	6295.0	6668.3	6996.0	7017.5	7447.2	7549.2	7081.9
22.5°	5672.0	5650.5	5688.1	5862.7	6112.4	6518.0	6934.2	7014.8	7444.5	7533.1	6904.7
25°	5610.2	5680.0	5677.4	5851.9	6034.5	6397.1	6985.2	7073.9	7586.8	7616.4	6928.9
27.5°	5749.9	5741.8	5817.0	5830.4	6056.0	6429.3	7092.7	7159.8	7823.2	7799.0	6947.7
30°	5889.5	5849.2	5894.9	6053.3	6158.1	6614.6	7388.1	7382.7	8129.3	8113.2	7006.7
32.5°	6061.4	6042.6	6072.1	6211.8	6389.0	6861.7	7637.9	7796.3	8440.8	8542.9	7210.8
35°	6093.6	6171.5	6241.3	6429.3	6681.8	7261.9	8107.8	8239.4	8800.7	9120.3	7600.3
37.5°	6297.7	6327.3	6491.1	6824.1	7055.1	7796.3	8405.9	8489.2	9128.4	9490.9	8011.1
40°	6515.3	6550.2	6797.3	7146.4	7463.3	8145.4	8685.2	8712.1	9233.1	9775.6	8279.7
42.5°	6810.7	6842.9	7087.3	7525.1	7949.4	8443.5	8932.3	8961.9	9225.0	10103.2	8706.7
45°	7116.8	7194.7	7482.1	7978.9	8360.3	8792.7	8988.7	9109.6	9300.2	10396.0	9053.2
47.5°	7546.5	7619.1	7855.4	8341.5	8787.3	9098.8	9249.2	9367.4	9480.2	10651.1	9276.1
50°	8003.1	8016.5	8303.9	8744.3	9072.0	9445.3	9735.3	9775.6	9716.5	10946.5	9654.7
52.5°	8338.8	8381.8	8604.7	9034.4	9523.1	9982.4	10379.8	10422.8	10307.3	11056.6	9783.6
55°	7782.9	7758.7	8121.3	8693.3	9826.6	10782.7	11360.1	11392.3	10737.0	11397.7	10205.3
57.5°	6015.7	6131.2	6440.1	7130.3	8730.9	11137.2	12117.4	12002.0	11252.7	11569.6	10473.8
60°	4372.2	4345.3	4552.1	5014.0	6579.7	9598.3	11456.8	11574.9	10831.0	10428.2	8636.9
62.5°	3561.1	3523.5	3539.6	3555.7	4245.9	6370.2	8481.1	8478.4	8341.5	7495.5	5825.1
65°	2846.7	2935.4	2943.4	3064.3	3152.9	3805.5	4914.7	5177.8	4509.1	3698.1	2682.9
67.5°	2145.8	2113.6	2221.0	2650.7	2817.2	2747.4	2682.9	2712.5	1928.3	1391.1	1310.6
70°	1264.9	1251.5	1380.4	1847.7	2320.4	2183.4	2022.3	2024.9	1324.0	972.2	1082.3
72.5°	692.9	690.2	717.1	937.3	1318.6	1369.7	1213.9	1251.5	789.6	786.9	846.0
75°	386.7	378.7	370.6	413.6	475.4	502.2	512.9	518.3	542.5	606.9	631.1
77.5°	142.3	137.0	137.0	158.5	201.4	252.4	319.6	325.0	384.0	440.4	464.6
80°	48.3	53.7	72.5	99.4	134.3	179.9	217.5	222.9	271.2	308.8	316.9
82.5°	29.5	32.2	48.3	69.8	96.7	126.2	161.1	163.8	201.4	225.6	236.3
85°	13.4	16.1	26.9	43.0	61.8	83.3	85.9	85.9	83.3	85.9	80.6
87.5°	0.0	0.0	5.4	5.4	5.4	8.1	10.7	8.1	13.4	16.1	16.1
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°	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3	8121.3
2.5°	8048.7	8019.2	7927.9	7847.3	7823.2	7715.7	7557.3	7576.1	7460.6	7514.3	7457.9
5°	7938.6	7839.3	7605.6	7506.3	7245.8	7127.6	7047.0	6845.6	6751.6	6732.8	6652.2
7.5°	7656.6	7594.9	7302.2	7033.6	6757.0	6520.6	6217.2	6010.4	5862.7	5822.4	5704.2
10°	7433.7	7296.8	6891.3	6483.0	6088.3	5677.4	5282.6	4973.7	4823.3	4648.8	4589.7
12.5°	7213.5	7006.7	6458.9	5935.2	5424.9	4906.6	4428.6	4052.6	3724.9	3647.0	3620.2
15°	7076.6	6716.7	6072.1	5441.0	4715.9	4039.1	3561.1	3314.0	3112.6	3029.4	3088.4
17.5°	6896.6	6477.7	5701.5	4860.9	4063.3	3440.3	3040.1	2887.0	2814.5	2822.6	2798.4
20°	6671.0	6252.1	5215.4	4334.6	3480.5	2983.7	2755.4	2699.0	2709.8	2728.6	2720.5
22.5°	6509.9	5978.1	4863.6	3797.4	3007.9	2731.3	2637.3	2597.0	2631.9	2648.0	2634.6
25°	6386.4	5744.5	4436.6	3322.1	2733.9	2588.9	2546.0	2543.3	2597.0	2618.5	2605.0
27.5°	6273.6	5527.0	4012.3	2959.5	2551.3	2478.8	2465.4	2497.6	2532.5	2554.0	2572.8
30°	6206.4	5360.5	3614.8	2656.1	2460.0	2425.1	2400.9	2430.5	2449.3	2470.8	2460.0
32.5°	6270.9	5242.3	3230.8	2484.2	2384.8	2349.9	2382.1	2363.3	2395.6	2414.4	2384.8
35°	6472.3	5137.6	2956.8	2392.9	2298.9	2312.3	2317.7	2309.6	2323.0	2306.9	2341.8
37.5°	6671.0	5100.0	2704.4	2315.0	2258.6	2258.6	2253.2	2237.1	2264.0	2258.6	2274.7
40°	6923.5	5124.1	2489.6	2231.7	2221.0	2215.6	2194.1	2191.5	2180.7	2183.4	2188.8
42.5°	7143.7	5177.8	2366.0	2178.0	2186.1	2196.8	2156.5	2124.3	2137.7	2110.9	2110.9
45°	7377.3	5226.2	2255.9	2140.4	2132.4	2129.7	2097.5	2078.7	2067.9	2070.6	2094.8
47.5°	7745.3	5296.0	2172.7	2089.4	2094.8	2054.5	2046.4	2022.3	2033.0	2049.1	2051.8
50°	8005.8	5443.7	2108.2	2030.3	2049.1	2022.3	1973.9	1963.2	1963.2	1990.0	1984.7
52.5°	8188.4	5650.5	2046.4	1965.9	1973.9	1952.4	1936.3	1912.1	1896.0	1933.6	1952.4
55°	8747.0	5994.3	2030.3	1912.1	1909.5	1888.0	1858.4	1834.3	1826.2	1831.6	1869.2
57.5°	8693.3	5886.8	1979.3	1818.2	1812.8	1783.2	1753.7	1745.6	1743.0	1748.3	1759.1
60°	7057.8	4348.0	1767.1	1710.7	1702.7	1697.3	1667.8	1635.5	1619.4	1635.5	1622.1
62.5°	4670.3	2911.2	1557.6	1581.8	1587.2	1573.8	1525.4	1493.2	1498.6	1517.4	1487.8
65°	2293.5	1710.7	1412.6	1477.1	1482.5	1444.9	1399.2	1361.6	1342.8	1358.9	1345.5
67.5°	1310.6	1307.9	1294.5	1361.6	1358.9	1321.3	1248.8	1216.6	1184.4	1189.7	1181.7
70°	1111.8	1133.3	1160.2	1200.5	1197.8	1154.8	1068.9	1044.7	999.0	993.7	980.2
72.5°	875.5	913.1	972.2	1001.7	977.6	923.8	867.4	827.2	786.9	762.7	770.8
75°	649.9	703.6	735.9	754.7	717.1	687.5	641.9	593.5	545.2	523.7	515.6
77.5°	472.7	488.8	518.3	531.7	507.6	478.0	451.2	402.8	357.2	327.6	319.6
80°	330.3	341.1	362.6	362.6	362.6	349.1	314.2	265.9	236.3	209.5	204.1
82.5°	231.0	241.7	263.2	252.4	249.8	233.6	212.2	174.6	142.3	123.5	118.2
85°	80.6	88.6	107.4	128.9	137.0	134.3	120.9	96.7	75.2	61.8	56.4
87.5°	18.8	18.8	21.5	18.8	18.8	21.5	18.8	18.8	18.8	13.4	10.7
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)