

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: P954120

Luminaire Tested: **GALN-SB7C-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43000 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 350.5
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



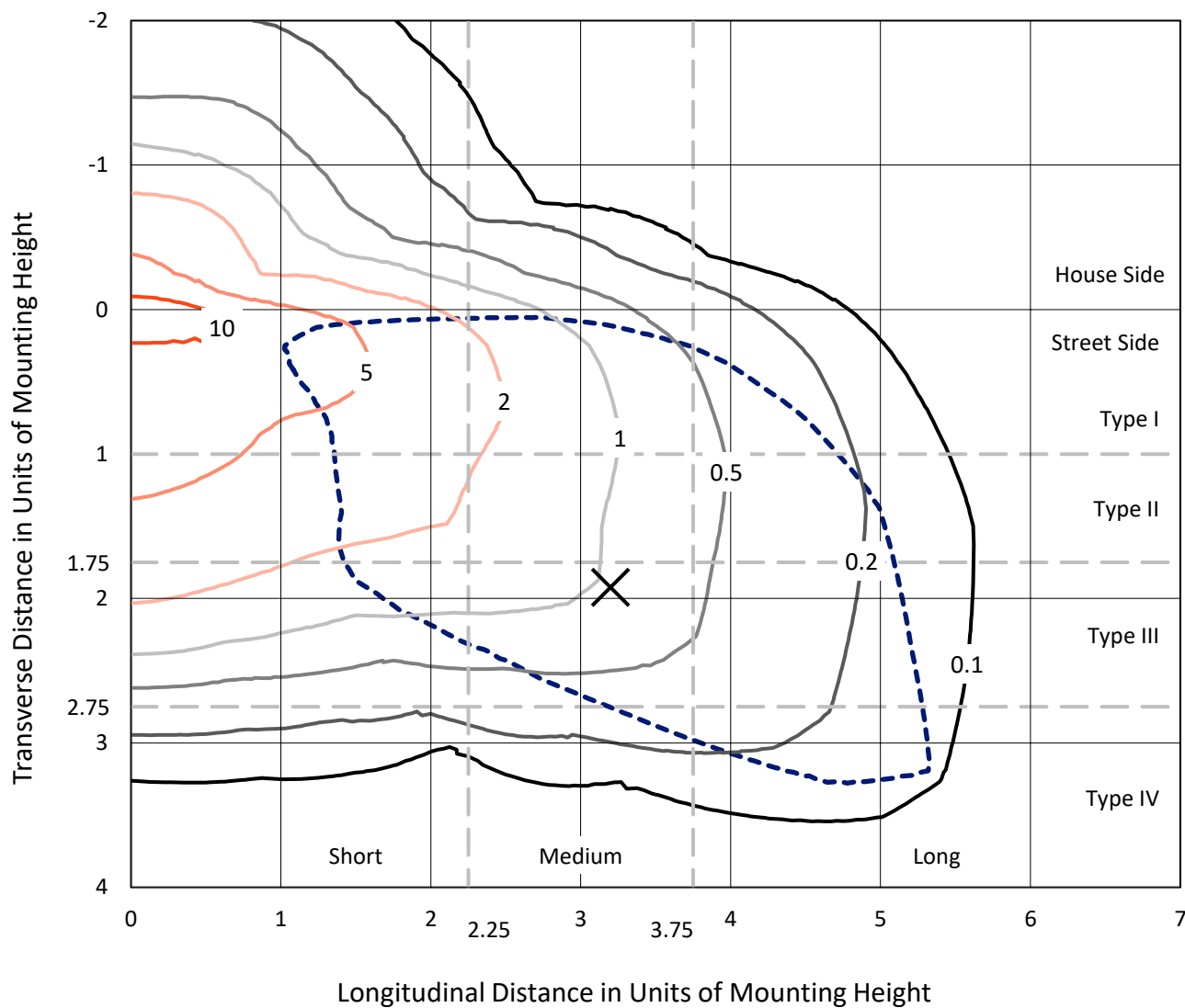
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

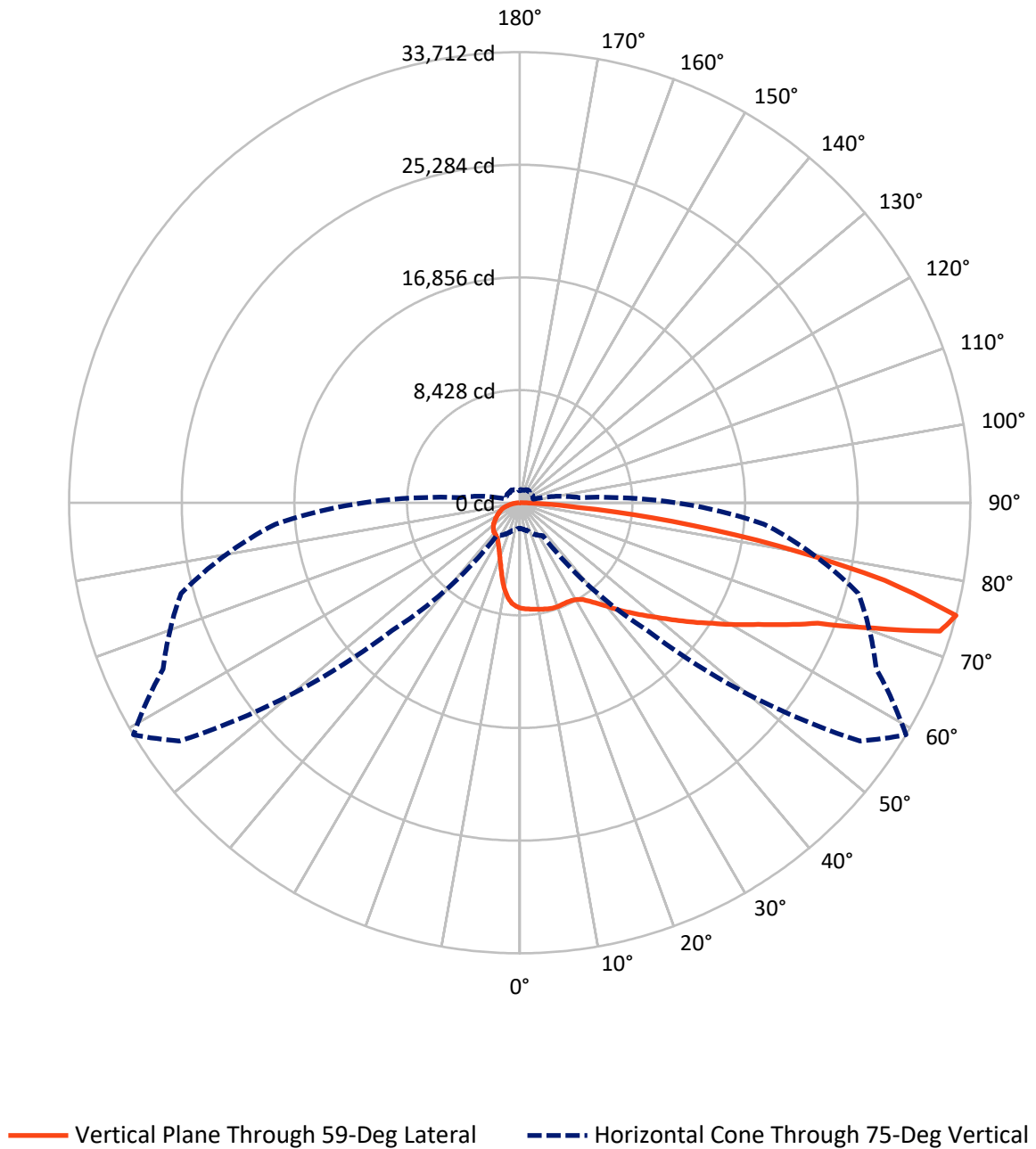


Based on 25 foot mounting height. Maximum calculated value = 12.6 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8065.0	0.0	8065.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	34935.1	0.0	34935.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	43000.0	0.0	43000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.7	1.6
10°-20°	1808.9	4.2
20°-30°	2747.6	6.4
30°-40°	4084.2	9.5
40°-50°	6074.0	14.1
50°-60°	8244.7	19.2
60°-70°	10065.4	23.4
70°-80°	7899.2	18.4
80°-90°	1368.3	3.2
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°	43000.0	100.0
0°-180°	43000.0	100.0

Coefficient of Utilization



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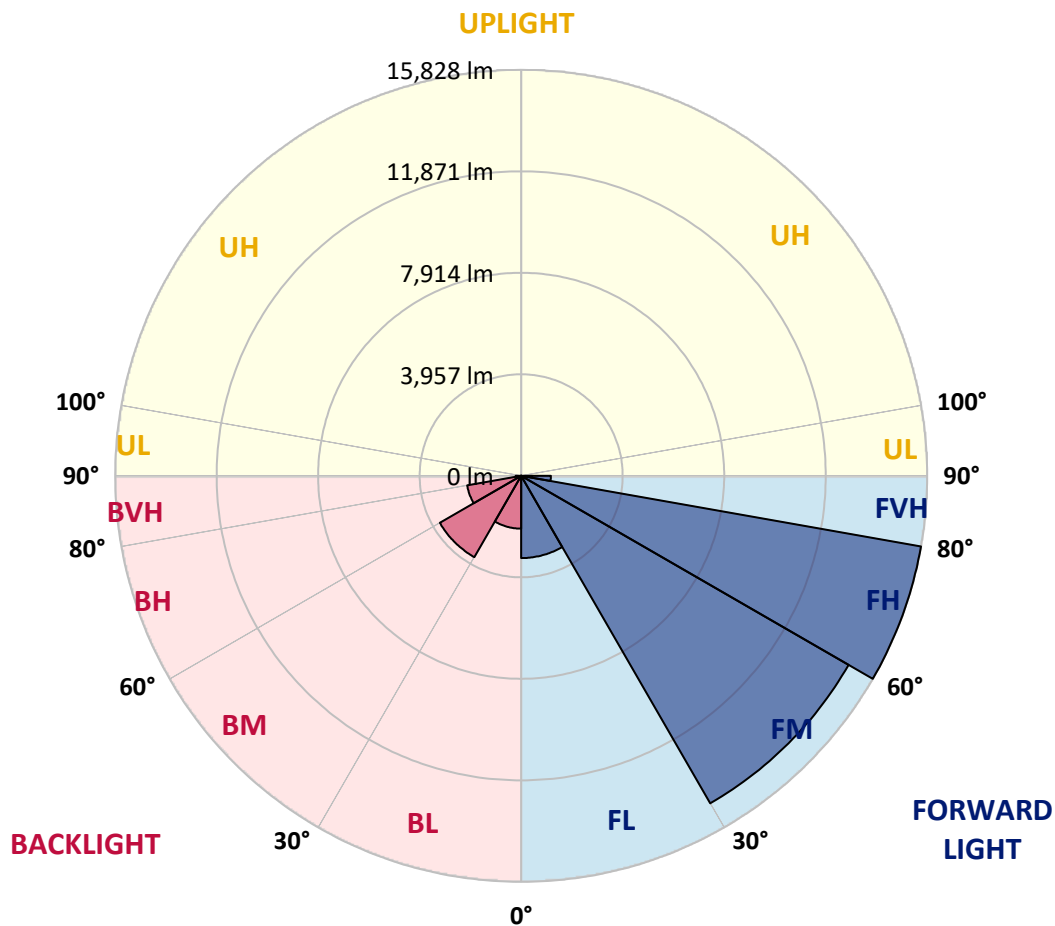
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3206.1	7.5			
FM	(30°-60°)	14742.2	34.3			
FH	(60°-80°)	15827.9	36.8			G5
FVH	(80°-90°)	1158.9	2.7			G5
BL	(0°-30°)	2058.1	4.8	B3/2500		
BM	(30°-60°)	3660.7	8.5	B3/5000		
BH	(60°-80°)	2136.7	5.0	B3/2500		G3/2500
BVH	(80°-90°)	209.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6
2.5°	7959.6	7931.9	7959.6	7948.1	7943.4	7934.2	7936.5	7952.7	7943.4	7955.0	7915.7
5°	7906.4	7890.2	7918.0	7911.1	7941.1	7945.8	7975.8	7994.3	8005.9	8008.2	7978.1
7.5°	7818.5	7802.3	7841.7	7874.0	7938.8	7957.3	8019.8	8049.9	8066.0	8093.8	8049.9
10°	7497.0	7490.1	7587.2	7709.8	7862.5	7957.3	8052.2	8103.1	8128.5	8202.5	8151.6
12.5°	6928.0	6937.2	7064.4	7300.4	7605.7	7911.1	8089.2	8163.2	8202.5	8295.0	8271.9
15°	6384.4	6382.1	6520.8	6773.0	7200.9	7707.5	8107.7	8234.9	8302.0	8438.5	8420.0
17.5°	6069.8	6060.5	6157.7	6349.7	6747.5	7395.2	8061.4	8274.2	8417.6	8588.8	8572.6
20°	6011.9	5993.4	6044.3	6139.2	6421.4	7052.9	7941.1	8274.2	8510.2	8732.2	8723.0
22.5°	6222.4	6192.4	6171.6	6160.0	6284.9	6770.7	7804.7	8246.5	8646.6	8938.1	8921.9
25°	6645.8	6599.5	6493.1	6389.0	6352.0	6643.4	7684.4	8239.5	8850.2	9215.7	9155.5
27.5°	7330.5	7272.6	7057.5	6807.7	6583.3	6708.2	7631.2	8281.2	9074.6	9509.5	9389.2
30°	8179.4	8116.9	7846.3	7462.3	7059.8	6948.8	7698.2	8403.8	9361.4	9900.4	9664.4
32.5°	8940.4	8871.0	8639.7	8248.8	7705.2	7365.2	7911.1	8637.4	9812.5	10444.0	10078.5
35°	9615.9	9534.9	9326.7	8965.9	8496.3	7950.4	8295.0	9051.5	10453.2	11327.6	10640.6
37.5°	10277.4	10182.6	9955.9	9574.2	9245.8	8729.9	8824.8	9583.5	11304.5	12400.9	11385.4
40°	11017.7	10881.2	10605.9	10228.9	9909.6	9643.6	9521.0	10235.8	12169.6	13599.2	12315.3
42.5°	11734.7	11605.2	11276.7	10955.2	10555.0	10478.7	10328.3	10999.1	13115.7	14915.4	13259.1
45°	12507.3	12352.4	11954.5	11547.4	11295.2	11033.8	11110.2	11762.5	14043.3	16257.0	14249.2
47.5°	13231.4	13057.9	12588.3	12134.9	11996.1	11501.1	11827.3	12602.2	15007.9	17617.1	15229.9
50°	13622.3	13451.1	13060.2	12650.8	12542.0	12077.1	12604.5	13525.1	16018.7	18972.7	16171.4
52.5°	13948.4	13763.4	13252.2	13025.5	12993.1	12704.0	13562.1	14579.9	17029.6	20170.9	17080.5
55°	14295.4	14089.6	13437.2	13233.7	13381.7	13407.2	14697.9	15775.9	18098.3	21339.0	17938.7
57.5°	14695.6	14434.2	13615.3	13409.5	13761.1	14230.7	16002.5	17015.7	19148.5	22421.6	18702.0
60°	15072.7	14808.9	13957.7	13689.4	14170.5	15186.0	17499.2	18517.0	20337.4	23386.2	19423.7
62.5°	15146.7	14929.2	14230.7	14228.3	14725.7	16300.9	19271.1	20032.1	21376.1	24339.2	20071.4
65°	13865.2	13728.7	13314.6	14207.5	15521.4	17906.3	21244.2	21970.5	22696.9	25172.0	20640.5
67.5°	10552.7	10571.2	10541.1	12264.5	14878.3	20212.5	24101.0	24045.5	24327.7	26106.5	21295.1
70°	4825.3	4934.0	5641.8	8466.2	11919.8	20478.5	28824.5	28105.1	26374.8	27316.3	21861.8
72.5°	2606.9	2690.2	2979.4	4101.3	7166.2	18207.0	32354.4	32865.6	29097.4	28130.5	21239.6
75°	1913.0	1959.3	2160.5	2606.9	3009.4	13532.1	31089.1	33712.2	29437.5	26231.4	18341.2
77.5°	1431.9	1452.7	1616.9	2065.7	1540.6	7133.8	24841.2	27920.0	25199.7	21551.9	13548.3
80°	1038.6	1061.7	1184.3	1549.8	1080.3	2609.3	17057.4	19597.2	17258.6	13737.9	6752.2
82.5°	717.1	726.3	779.5	1054.8	754.1	1013.2	9678.3	11491.9	9634.4	4820.7	1822.8
85°	432.6	444.1	467.3	615.3	427.9	481.1	4177.6	4321.0	2879.9	1152.0	566.7
87.5°	178.1	189.7	208.2	259.1	168.9	134.2	689.3	865.1	539.0	337.7	175.8
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°	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6	7892.6
2.5°	7904.1	7887.9	7844.0	7783.8	7728.3	7658.9	7628.9	7603.4	7580.3	7536.3	7515.5
5°	7952.7	7908.7	7790.8	7638.1	7464.6	7274.9	7089.9	6962.7	6853.9	6773.0	6705.9
7.5°	8026.7	7943.4	7728.3	7416.0	7018.2	6611.1	6243.3	5981.9	5785.3	5713.5	5588.6
10°	8103.1	8003.6	7628.9	7078.3	6391.3	5764.4	5276.4	5008.0	4850.7	4799.8	4721.2
12.5°	8193.3	8047.5	7473.9	6608.7	5690.4	5003.4	4577.8	4420.5	4339.5	4311.8	4318.7
15°	8325.1	8084.5	7240.2	6021.2	5021.9	4448.2	4173.0	4064.2	4022.6	4020.3	4029.6
17.5°	8424.6	8091.5	6877.1	5392.0	4508.4	4112.8	3886.1	3844.5	3872.3	3913.9	3930.1
20°	8535.6	8029.0	6400.6	4818.3	4147.5	3819.1	3724.2	3752.0	3819.1	3879.2	3900.0
22.5°	8614.3	7915.7	5824.6	4371.9	3835.2	3650.2	3645.6	3703.4	3740.4	3770.5	3786.7
25°	8683.7	7723.7	5213.9	3997.2	3578.5	3548.4	3599.3	3580.8	3555.4	3580.8	3597.0
27.5°	8734.5	7420.7	4668.0	3668.7	3398.1	3479.0	3448.9	3407.3	3405.0	3418.9	3442.0
30°	8718.4	7015.9	4219.2	3356.4	3270.8	3349.5	3277.8	3270.8	3263.9	3270.8	3296.3
32.5°	8718.4	6555.5	3874.6	3141.3	3189.9	3159.8	3152.9	3136.7	3108.9	3106.6	3136.7
35°	8766.9	6095.2	3578.5	3025.6	3122.8	3051.1	3055.7	3016.4	2958.6	2930.8	2958.6
37.5°	8866.4	5725.1	3284.7	2970.1	3004.8	3002.5	2984.0	2916.9	2815.1	2727.2	2757.3
40°	9107.0	5616.4	3083.5	2944.7	2949.3	2977.1	2928.5	2798.9	2567.6	2424.2	2442.7
42.5°	9484.0	5799.1	3039.5	2882.2	2912.3	2940.0	2845.2	2544.5	2380.3	2294.7	2294.7
45°	9962.8	6118.3	3134.4	2792.0	2824.4	2873.0	2590.8	2447.3	2373.3	2375.6	2387.2
47.5°	10568.9	6453.8	3310.2	2713.4	2697.2	2724.9	2421.9	2334.0	2232.2	2257.7	2322.4
50°	11269.8	6793.8	3476.7	2606.9	2556.1	2465.8	2313.2	2229.9	2100.4	2040.2	2056.4
52.5°	12028.5	7122.3	3543.8	2477.4	2403.4	2299.3	2239.2	2137.4	1980.1	1880.6	1878.3
55°	12747.9	7420.7	3469.8	2322.4	2250.7	2169.8	2160.5	2098.1	1929.2	1790.4	1790.4
57.5°	13428.0	7670.5	3284.7	2165.1	2095.7	2047.2	2109.6	2079.5	1866.7	1688.6	1679.4
60°	14004.0	7841.7	3016.4	2005.5	1956.9	1931.5	2026.3	2017.1	1778.8	1579.9	1573.0
62.5°	14462.0	7908.7	2720.3	1852.9	1841.3	1795.0	1910.7	1910.7	1667.8	1473.5	1466.6
65°	14820.5	7844.0	2419.6	1702.5	1725.6	1656.2	1769.6	1755.7	1549.8	1378.7	1369.4
67.5°	15137.4	7631.2	2086.5	1554.5	1607.7	1519.8	1621.5	1589.2	1420.3	1283.8	1274.6
70°	15278.5	7136.1	1707.1	1406.4	1471.2	1385.6	1473.5	1413.4	1274.6	1182.0	1163.5
72.5°	14145.1	5931.0	1344.0	1251.4	1306.9	1237.5	1313.9	1244.5	1117.3	1075.6	1040.9
75°	11702.4	4450.5	1034.0	1082.6	1124.2	1071.0	1121.9	1071.0	955.3	985.4	899.8
77.5°	8498.6	3004.8	791.1	904.5	923.0	895.2	939.1	881.3	777.2	770.3	735.6
80°	4226.2	1760.3	619.9	714.8	707.8	689.3	740.2	712.5	624.6	661.6	654.6
82.5°	1223.7	754.1	451.1	502.0	488.1	492.7	529.7	543.6	814.2	807.3	825.8
85°	384.0	296.1	270.6	279.9	266.0	273.0	312.3	619.9	573.7	335.4	363.2
87.5°	99.5	101.8	67.1	71.7	74.0	87.9	99.5	377.0	180.4	118.0	124.9
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)