

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: P956617

Luminaire Tested: **GALN-SB9B-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42113 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 329.5
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

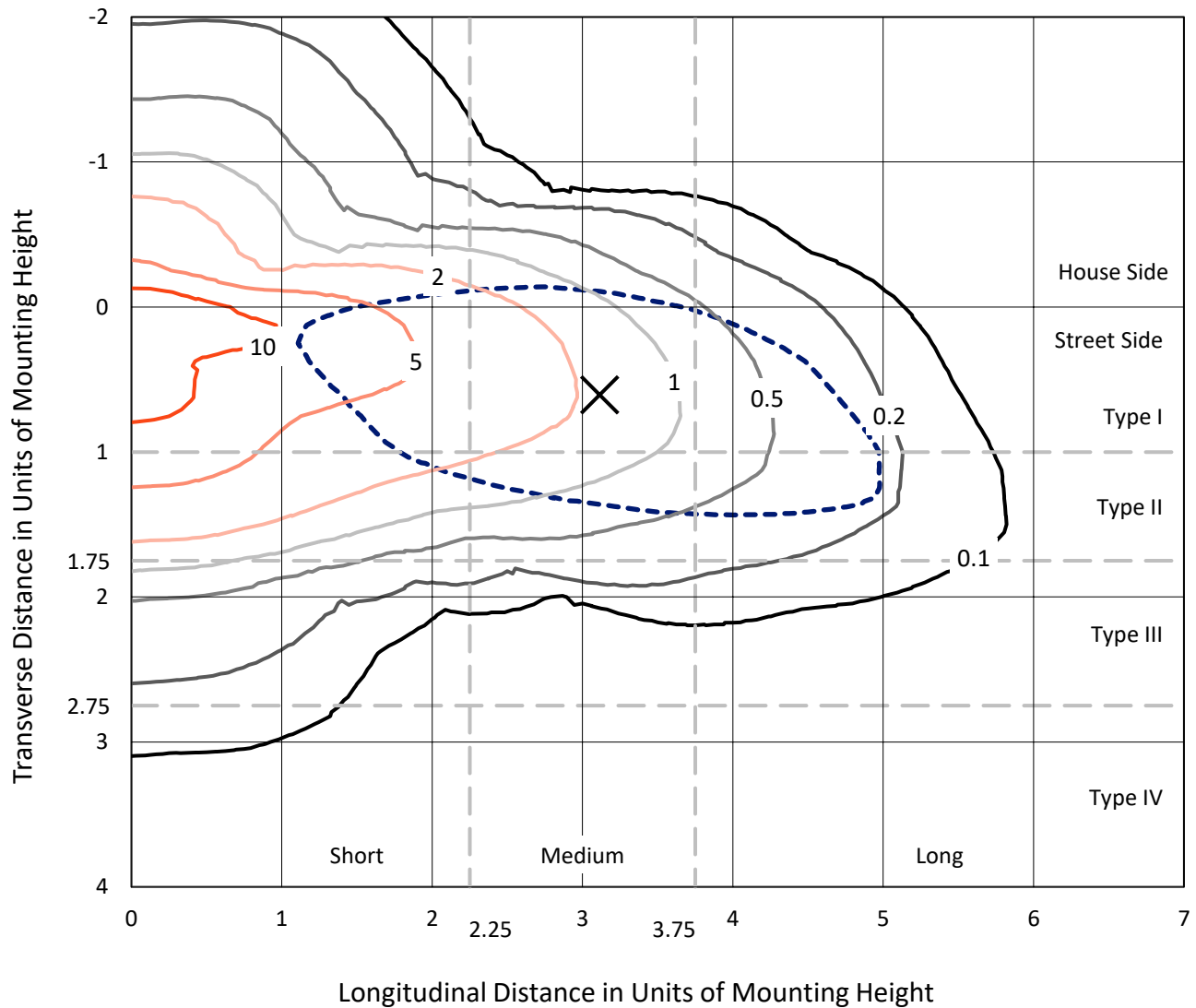


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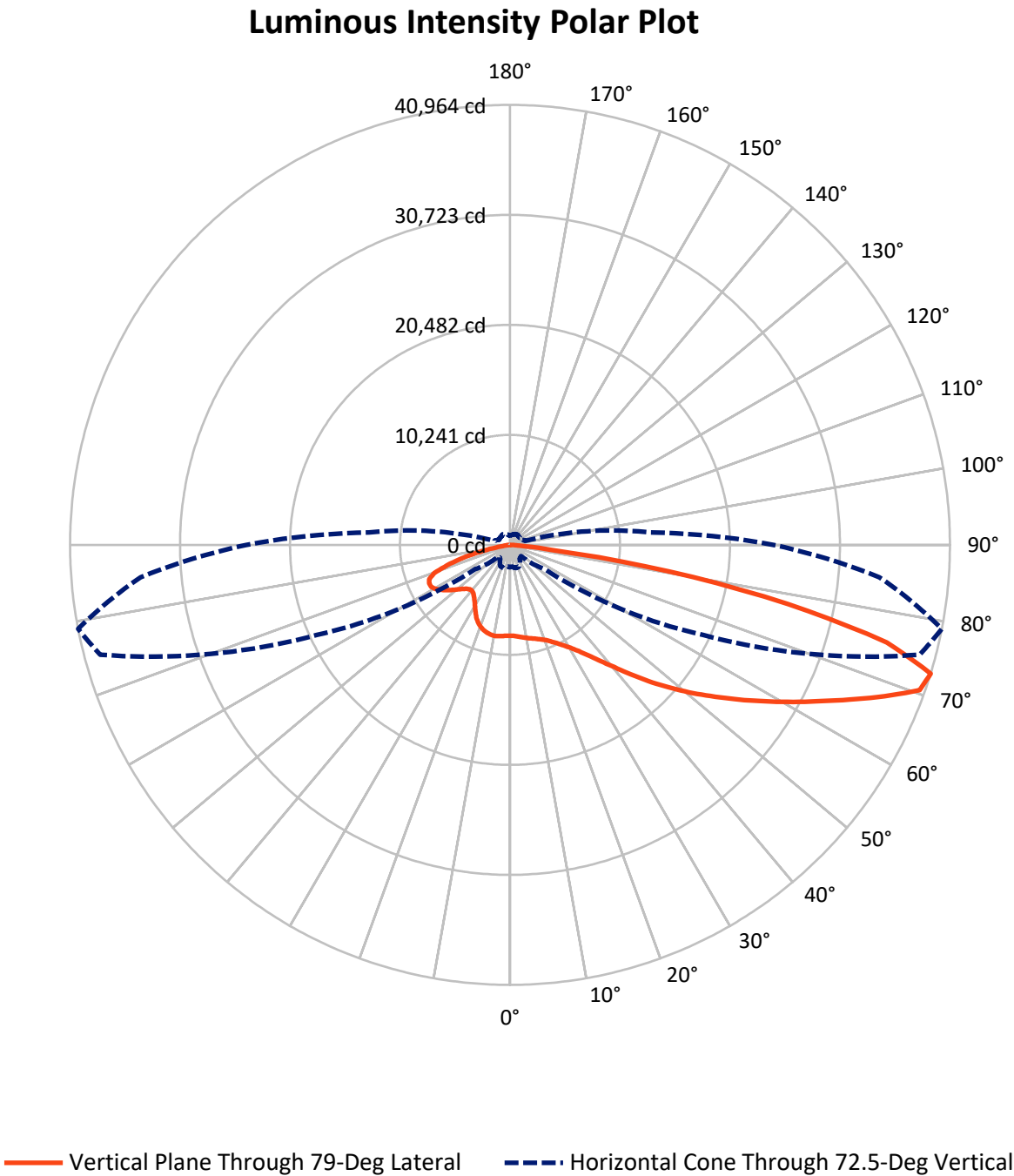
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9267.2	0.0	9267.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	32845.8	0.0	32845.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	42113.0	0.0	42113.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	767.4	1.8
10°-20°	2006.3	4.8
20°-30°	3237.3	7.7
30°-40°	4858.7	11.5
40°-50°	6892.4	16.4
50°-60°	8704.1	20.7
60°-70°	8840.2	21.0
70°-80°	6025.0	14.3
80°-90°	781.7	1.9
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°	42113.0	100.0
0°-180°	42113.0	100.0

Coefficient of Utilization



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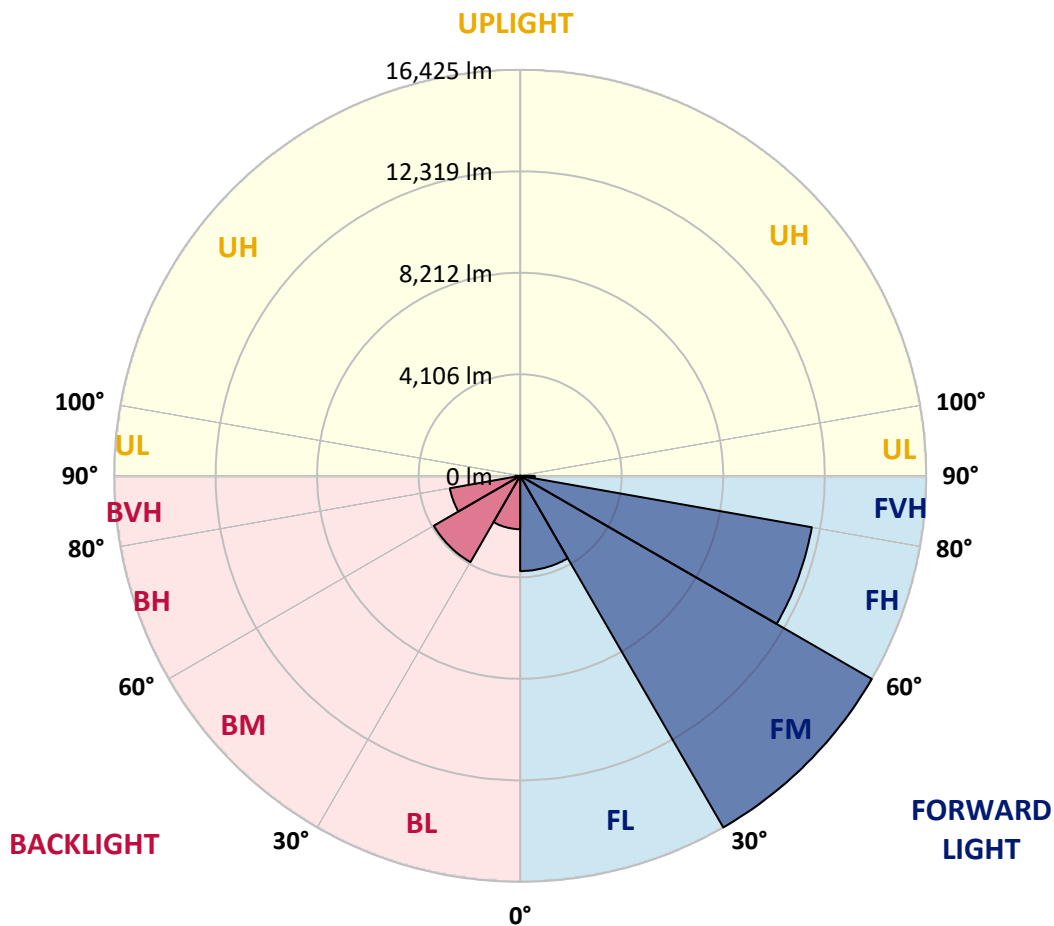
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3852.3	9.1			
FM	(30°-60°)	16424.9	39.0			
FH	(60°-80°)	11979.7	28.4			G4/12000
FVH	(80°-90°)	588.9	1.4			G4/750
BL	(0°-30°)	2158.6	5.1	B3/2500		
BM	(30°-60°)	4030.2	9.6	B3/5000		
BH	(60°-80°)	2885.5	6.9	B4/5000		G4/5000
BVH	(80°-90°)	192.8	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8
2.5°	8458.2	8418.1	8442.6	8433.7	8444.9	8458.2	8462.7	8469.4	8491.7	8489.4	8487.2
5°	8440.4	8400.3	8433.7	8422.6	8451.6	8482.7	8509.5	8534.0	8569.6	8585.2	8562.9
7.5°	8402.5	8375.8	8409.2	8442.6	8496.1	8542.9	8580.8	8636.4	8687.7	8696.6	8712.2
10°	8182.0	8162.0	8239.9	8326.8	8473.8	8600.8	8683.2	8747.8	8803.5	8812.4	8834.7
12.5°	7952.6	7928.1	8014.9	8133.0	8371.4	8600.8	8774.6	8859.2	8908.2	8937.2	8970.6
15°	7914.7	7894.7	7943.7	8046.1	8244.4	8540.7	8836.9	8992.9	9035.2	9068.6	9082.0
17.5°	8097.4	8059.5	8079.5	8115.2	8231.0	8485.0	8885.9	9144.3	9208.9	9244.6	9244.6
20°	8520.6	8467.2	8436.0	8364.7	8344.6	8493.9	8881.5	9327.0	9411.7	9456.2	9467.3
22.5°	9084.2	9048.6	8981.7	8801.3	8605.3	8603.0	8966.1	9560.9	9719.1	9761.4	9734.7
25°	9765.8	9712.4	9627.7	9382.7	9006.2	8819.1	9108.7	9859.4	10124.5	10135.6	10057.7
27.5°	10550.0	10469.8	10353.9	10030.9	9523.0	9157.7	9327.0	10202.5	10590.1	10585.6	10425.2
30°	11376.4	11296.2	11173.7	10781.6	10142.3	9614.4	9630.0	10572.2	11142.5	11118.0	10844.0
32.5°	11980.1	11919.9	11895.4	11592.5	10855.1	10153.5	9977.5	10982.1	11824.2	11801.9	11418.7
35°	12443.4	12365.5	12394.4	12240.7	11632.6	10757.1	10402.9	11470.0	12652.8	12650.6	12173.9
37.5°	12902.3	12833.3	12857.8	12755.3	12352.1	11523.4	10922.0	12067.0	13679.8	13728.8	13087.2
40°	13321.1	13247.6	13345.6	13249.8	12911.2	12338.7	11512.3	12741.9	14869.3	14962.9	14192.1
42.5°	13572.8	13514.9	13677.5	13679.8	13396.9	13027.1	12160.5	13486.0	16246.0	16455.4	15551.0
45°	13659.7	13639.7	13884.7	13935.9	13826.8	13425.8	12744.2	14296.8	17729.6	18103.8	17099.1
47.5°	13566.2	13528.3	13866.9	14056.2	14143.1	13612.9	13227.6	15174.5	19244.3	19792.3	18787.7
50°	13093.9	13020.4	13523.8	13922.6	14232.2	13735.5	13715.4	16188.1	20966.3	21565.5	20485.1
52.5°	12245.2	12189.5	12762.0	13454.8	14036.2	13795.6	14263.4	17295.2	22601.3	23376.6	22224.9
55°	11160.3	11086.8	11717.2	12621.6	13548.3	13775.5	14811.4	18533.7	24530.5	25316.8	24022.6
57.5°	9440.6	9293.6	10091.1	11160.3	12753.1	13751.0	15381.7	19765.6	26490.8	27433.0	25940.5
60°	6932.3	6714.0	7691.9	8959.5	11198.2	13512.7	16087.8	21146.7	28843.1	29691.8	28034.5
62.5°	4036.4	3909.5	4548.8	5731.6	8440.4	12109.3	16484.3	22752.8	31155.4	32046.4	30092.8
65°	3134.2	3098.6	3154.3	3245.6	4698.0	9066.4	15261.4	24318.8	34095.8	34719.5	32238.0
67.5°	2866.9	2840.2	2864.7	2693.2	2383.5	5050.0	12073.7	24715.3	37245.7	37624.4	34115.9
70°	2548.4	2517.2	2597.4	2450.4	1875.6	2296.7	7801.1	23276.3	39751.7	40462.3	35543.8
72.5°	2076.1	2040.5	2227.6	2160.8	1579.4	1474.7	3918.4	19856.9	39488.9	40963.5	34521.3
75°	1595.0	1574.9	1797.7	1853.4	1287.6	1160.6	1880.1	14760.2	34750.7	36236.6	29752.0
77.5°	1238.6	1223.0	1336.6	1539.3	1038.1	900.0	1156.1	9362.6	26187.8	26448.4	20502.9
80°	928.9	884.4	989.1	1191.8	808.6	657.1	784.1	5459.9	16553.4	15005.2	8923.8
82.5°	581.4	559.1	646.0	795.3	570.3	452.2	510.1	3016.2	6633.8	3907.2	1721.9
85°	331.9	323.0	352.0	454.4	309.6	260.6	291.8	1332.1	1211.8	833.1	519.0
87.5°	133.7	129.2	160.4	202.7	113.6	95.8	102.5	320.8	267.3	247.3	171.5
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°	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8
2.5°	8478.3	8478.3	8447.1	8398.1	8342.4	8306.8	8248.8	8233.3	8173.1	8155.3	8184.2
5°	8580.8	8562.9	8467.2	8329.0	8139.7	7965.9	7774.4	7654.1	7484.8	7424.6	7469.2
7.5°	8710.0	8661.0	8496.1	8193.2	7796.6	7406.8	7001.4	6694.0	6399.9	6295.2	6308.6
10°	8828.0	8759.0	8478.3	7948.1	7262.0	6587.0	5941.0	5488.8	5145.8	5005.4	5036.6
12.5°	8946.1	8819.1	8360.2	7540.5	6502.4	5586.8	4898.5	4546.6	4334.9	4165.6	4221.3
15°	9057.5	8879.3	8177.6	6994.7	5669.3	4740.4	4232.5	3951.8	3782.5	3671.1	3691.2
17.5°	9186.7	8930.5	7903.6	6301.9	4876.2	4154.5	3740.2	3570.9	3537.4	3524.1	3533.0
20°	9367.1	8977.3	7542.7	5526.7	4292.6	3686.7	3472.8	3457.3	3455.0	3448.3	3470.6
22.5°	9560.9	9033.0	7066.0	4822.8	3795.8	3394.9	3357.0	3325.8	3305.8	3303.5	3328.1
25°	9790.4	9050.8	6469.0	4245.8	3372.6	3256.8	3212.2	3165.4	3152.1	3152.1	3165.4
27.5°	10013.1	8990.6	5774.0	3744.6	3134.2	3129.8	3071.9	3056.3	3054.1	3060.7	3078.6
30°	10235.9	8877.0	5083.4	3281.3	2996.1	2996.1	2976.1	2987.2	2996.1	3018.4	3034.0
32.5°	10536.6	8756.7	4506.5	2938.2	2875.8	2853.6	2873.6	2895.9	2904.8	2933.8	2958.3
35°	10977.7	8672.1	4047.6	2751.1	2751.1	2722.1	2733.3	2728.8	2708.8	2695.4	2726.6
37.5°	11561.3	8667.6	3668.9	2664.2	2646.4	2641.9	2644.2	2615.2	2537.2	2443.7	2445.9
40°	12263.0	8787.9	3377.1	2604.1	2590.7	2617.4	2604.1	2526.1	2312.3	2149.6	2145.2
42.5°	13205.3	9131.0	3189.9	2530.6	2570.7	2604.1	2550.6	2281.1	2136.3	2027.1	2022.7
45°	14314.6	9687.9	3094.2	2452.6	2532.8	2572.9	2314.5	2196.4	2080.6	1949.2	1940.2
47.5°	15571.0	10389.6	3071.9	2379.1	2448.1	2472.6	2214.2	2160.8	2029.4	1886.8	1875.6
50°	16938.8	11220.5	3132.0	2292.2	2325.6	2241.0	2180.8	2131.8	1995.9	1855.6	1840.0
52.5°	18353.3	12136.0	3252.3	2174.1	2203.1	2109.5	2167.5	2125.1	1975.9	1786.5	1773.2
55°	19743.3	13058.3	3368.1	2036.0	2078.4	1991.5	2129.6	2098.4	1884.6	1670.7	1659.6
57.5°	21155.6	13976.0	3481.8	1913.5	1958.1	1877.9	2069.5	2027.1	1782.1	1563.8	1559.3
60°	22623.6	14867.1	3535.2	1795.5	1826.6	1773.2	1978.1	1904.6	1666.3	1454.6	1447.9
62.5°	23998.1	15608.9	3448.3	1677.4	1697.4	1675.2	1857.8	1759.8	1550.4	1332.1	1329.9
65°	25376.9	16049.9	3181.0	1561.6	1566.0	1554.9	1688.5	1603.9	1414.5	1225.2	1211.8
67.5°	26626.6	16297.2	2755.6	1436.8	1425.7	1421.2	1530.4	1434.6	1283.1	1118.3	1104.9
70°	26891.7	15669.0	2105.1	1289.8	1289.8	1278.6	1356.6	1258.6	1138.3	1004.7	1000.2
72.5°	24561.6	13180.8	1494.7	1122.7	1140.5	1118.3	1182.9	1100.4	991.3	902.2	875.5
75°	19805.7	9665.6	1087.1	951.2	982.4	944.5	1004.7	946.7	853.2	850.9	766.3
77.5°	13608.5	5976.7	788.6	784.1	806.4	757.4	826.4	795.3	710.6	672.7	630.4
80°	5807.4	2383.5	574.7	605.9	605.9	561.4	641.6	650.5	577.0	559.1	559.1
82.5°	1156.1	677.2	403.2	416.6	392.1	378.7	454.4	503.4	695.0	773.0	775.2
85°	347.5	249.5	242.8	227.2	200.5	202.7	267.3	505.7	623.7	356.4	307.4
87.5°	95.8	62.4	64.6	51.2	42.3	55.7	91.3	383.1	209.4	89.1	75.7
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)