

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: P955191

Luminaire Tested: **GALN-SB8B-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955191
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-SB8B-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36762 lumens
Efficiency: N/A
Efficacy: 125.6 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

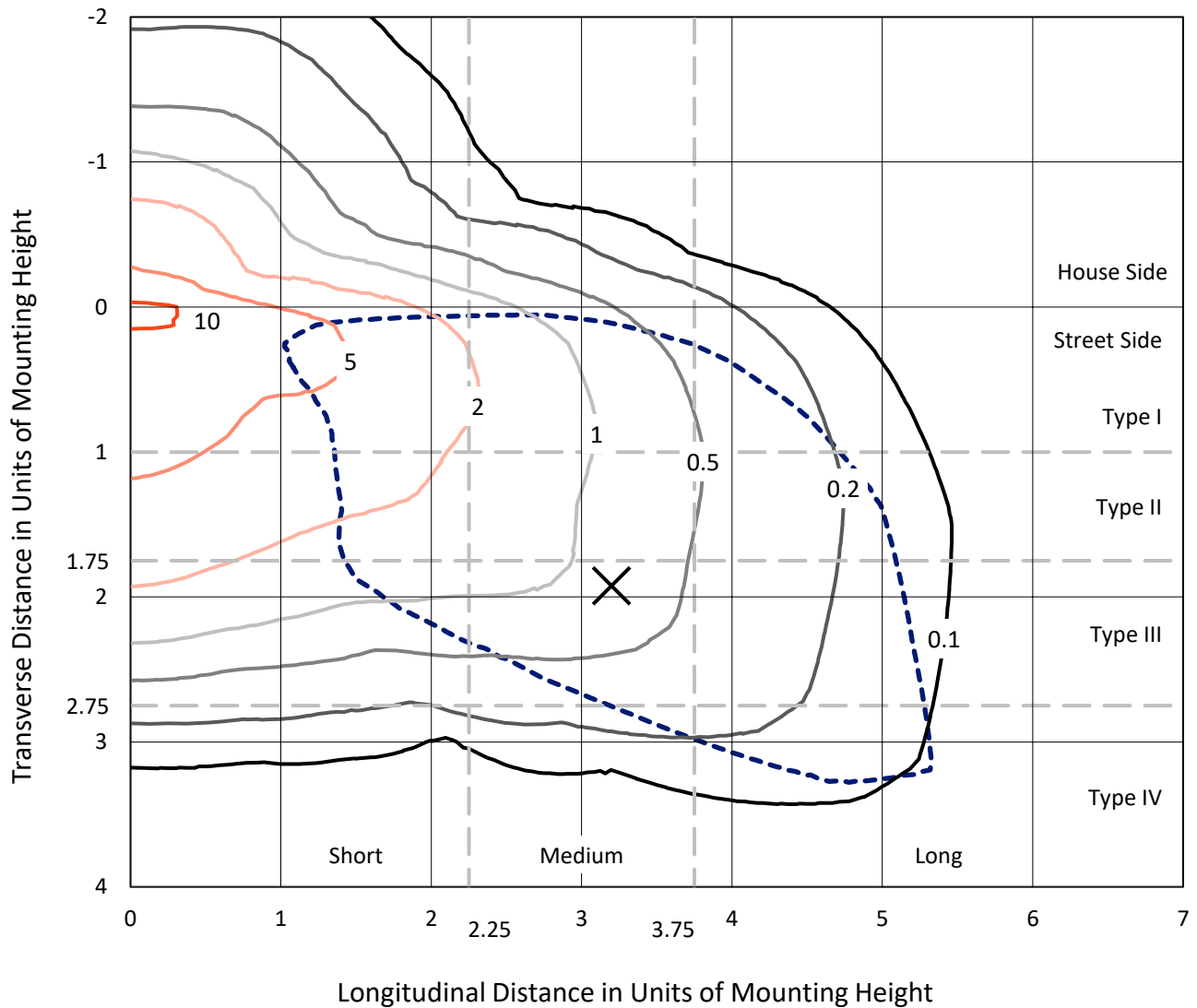
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

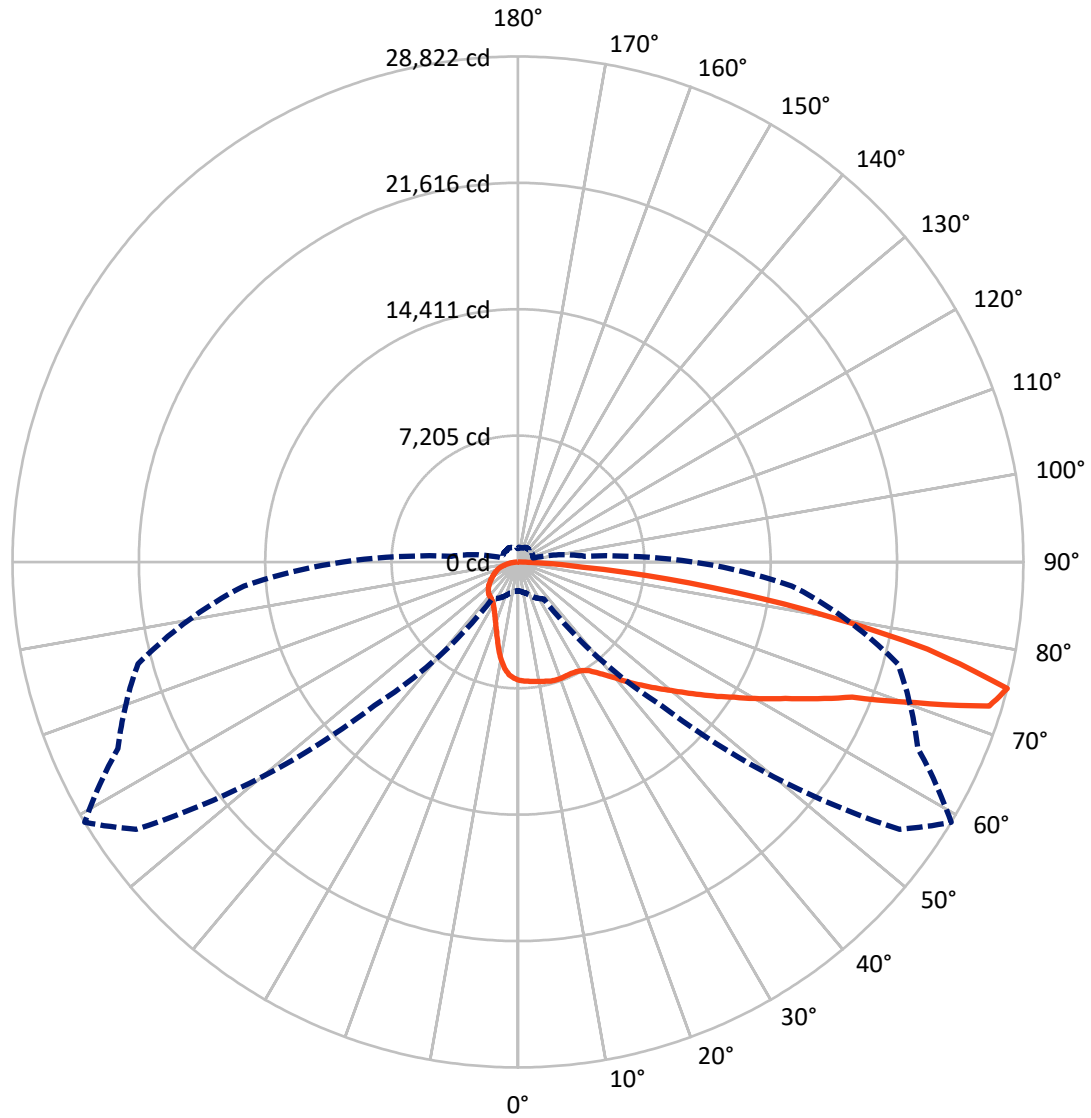
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6895.0	0.0	6895.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	29867.0	0.0	29867.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	36762.0	0.0	36762.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.0	1.6
10°-20°	1546.5	4.2
20°-30°	2349.0	6.4
30°-40°	3491.7	9.5
40°-50°	5192.8	14.1
50°-60°	7048.6	19.2
60°-70°	8605.2	23.4
70°-80°	6753.3	18.4
80°-90°	1169.8	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°	36762.0	100.0
0°-180°	36762.0	100.0



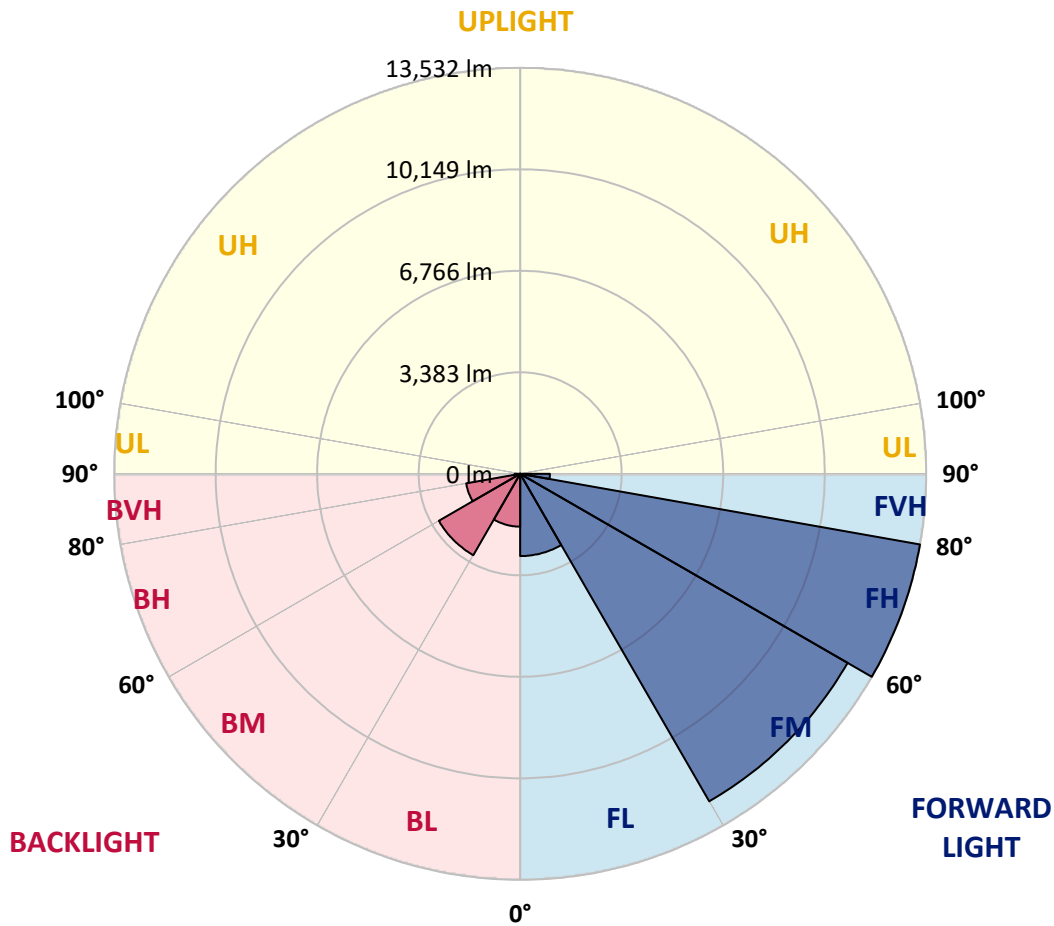
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2741.0	7.5			
FM (30°-60°)	12603.5	34.3			
FH (60°-80°)	13531.7	36.8			G5
FVH (80°-90°)	990.8	2.7			G5
BL (0°-30°)	1759.5	4.8	B3/2500		
BM (30°-60°)	3129.6	8.5	B3/5000		
BH (60°-80°)	1826.7	5.0	B3/2500		G3/2500
BVH (80°-90°)	179.1	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°	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6
2.5°	6804.9	6781.2	6804.9	6795.0	6791.1	6783.2	6785.2	6799.0	6791.1	6801.0	6767.4
5°	6759.4	6745.6	6769.3	6763.4	6789.1	6793.1	6818.8	6834.6	6844.5	6846.5	6820.8
7.5°	6684.3	6670.5	6704.1	6731.8	6787.1	6803.0	6856.4	6882.1	6895.9	6919.6	6882.1
10°	6409.4	6403.5	6486.5	6591.4	6721.9	6803.0	6884.0	6927.5	6949.3	7012.6	6969.1
12.5°	5922.9	5930.8	6039.6	6241.3	6502.4	6763.4	6915.7	6979.0	7012.6	7091.7	7071.9
15°	5458.2	5456.2	5574.9	5790.4	6156.3	6589.4	6931.5	7040.3	7097.6	7214.3	7198.5
17.5°	5189.2	5181.3	5264.4	5428.5	5768.7	6322.4	6891.9	7073.9	7196.5	7342.8	7329.0
20°	5139.8	5124.0	5167.5	5248.6	5489.8	6029.7	6789.1	7073.9	7275.6	7465.5	7457.5
22.5°	5319.8	5294.0	5276.2	5266.4	5373.1	5788.4	6672.4	7050.2	7392.3	7641.5	7627.6
25°	5681.7	5642.1	5551.1	5462.1	5430.5	5679.7	6569.6	7044.2	7566.3	7878.8	7827.4
27.5°	6267.0	6217.6	6033.7	5820.1	5628.3	5735.1	6524.1	7079.8	7758.1	8129.9	8027.1
30°	6992.8	6939.4	6708.0	6379.7	6035.6	5940.7	6581.5	7184.6	8003.4	8464.1	8262.4
32.5°	7643.4	7584.1	7386.3	7052.1	6587.4	6296.7	6763.4	7384.4	8389.0	8928.9	8616.4
35°	8220.9	8151.7	7973.7	7665.2	7263.7	6797.0	7091.7	7738.4	8936.8	9684.3	9097.0
37.5°	8786.5	8705.4	8511.6	8185.3	7904.5	7463.5	7544.6	8193.2	9664.5	10601.9	9733.8
40°	9419.3	9302.6	9067.3	8745.0	8472.1	8244.6	8139.8	8750.9	10404.2	11626.3	10528.8
42.5°	10032.4	9921.6	9640.8	9365.9	9023.8	8958.5	8830.0	9403.5	11213.0	12751.6	11335.6
45°	10692.9	10560.4	10220.3	9872.2	9656.6	9433.2	9498.4	10056.1	12006.0	13898.6	12182.0
47.5°	11311.9	11163.6	10762.1	10374.5	10255.9	9832.6	10111.5	10774.0	12830.7	15061.4	13020.5
50°	11646.1	11499.8	11165.5	10815.5	10722.6	10325.1	10776.0	11563.0	13694.9	16220.3	13825.4
52.5°	11924.9	11766.7	11329.7	11135.9	11108.2	10861.0	11594.7	12464.8	14559.1	17244.7	14602.6
55°	12221.6	12045.6	11487.9	11313.9	11440.4	11462.2	12565.7	13487.3	15472.8	18243.4	15336.3
57.5°	12563.7	12340.2	11640.2	11464.2	11764.8	12166.2	13681.1	14547.3	16370.6	19168.9	15988.9
60°	12886.1	12660.6	11932.9	11703.5	12114.8	12983.0	14960.6	15830.7	17387.1	19993.6	16605.9
62.5°	12949.3	12763.5	12166.2	12164.2	12589.4	13936.2	16475.4	17126.0	18275.0	20808.3	17159.7
65°	11853.8	11737.1	11383.1	12146.4	13269.7	15308.6	18162.3	18783.3	19404.2	21520.3	17646.2
67.5°	9021.8	9037.6	9011.9	10485.3	12719.9	17280.3	20604.7	20557.2	20798.5	22319.2	18205.8
70°	4125.3	4218.2	4823.4	7238.0	10190.6	17507.7	24642.9	24027.9	22548.6	23353.5	18690.3
72.5°	2228.8	2300.0	2547.2	3506.3	6126.6	15565.7	27660.7	28097.8	24876.3	24049.6	18158.4
75°	1635.5	1675.0	1847.1	2228.8	2572.9	11569.0	26579.0	28821.6	25167.0	22426.0	15680.4
77.5°	1224.1	1241.9	1382.3	1766.0	1317.1	6098.9	21237.5	23869.7	21544.0	18425.3	11582.8
80°	887.9	907.7	1012.5	1325.0	923.5	2230.7	14582.8	16754.3	14754.9	11745.0	5772.6
82.5°	613.1	621.0	666.5	901.8	644.7	866.2	8274.3	9824.7	8236.7	4121.3	1558.4
85°	369.8	379.7	399.5	526.0	365.9	411.3	3571.6	3694.2	2462.1	984.8	484.5
87.5°	152.3	162.2	178.0	221.5	144.4	114.7	589.3	739.6	460.8	288.7	150.3
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°	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6	6747.6
2.5°	6757.5	6743.6	6706.1	6654.6	6607.2	6547.8	6522.1	6500.4	6480.6	6443.0	6425.2
5°	6799.0	6761.4	6660.6	6530.0	6381.7	6219.6	6061.4	5952.6	5859.6	5790.4	5733.1
7.5°	6862.3	6791.1	6607.2	6340.2	6000.0	5652.0	5337.6	5114.1	4946.0	4884.7	4777.9
10°	6927.5	6842.5	6522.1	6051.5	5464.1	4928.2	4510.9	4281.5	4147.0	4103.5	4036.3
12.5°	7004.7	6880.1	6389.6	5650.0	4864.9	4277.6	3913.7	3779.2	3710.0	3686.3	3692.2
15°	7117.4	6911.7	6189.9	5147.7	4293.4	3802.9	3567.6	3474.6	3439.1	3437.1	3445.0
17.5°	7202.4	6917.7	5879.4	4609.8	3854.3	3516.2	3322.4	3286.8	3310.5	3346.1	3359.9
20°	7297.4	6864.3	5472.0	4119.3	3545.8	3265.0	3183.9	3207.7	3265.0	3316.4	3334.2
22.5°	7364.6	6767.4	4979.6	3737.7	3278.9	3120.7	3116.7	3166.1	3197.8	3223.5	3237.3
25°	7423.9	6603.2	4457.5	3417.3	3059.4	3033.6	3077.2	3061.3	3039.6	3061.3	3075.2
27.5°	7467.4	6344.2	3990.8	3136.5	2905.1	2974.3	2948.6	2913.0	2911.0	2922.9	2942.7
30°	7453.6	5998.1	3607.1	2869.5	2796.3	2863.6	2802.3	2796.3	2790.4	2796.3	2818.1
32.5°	7453.6	5604.5	3312.5	2685.6	2727.1	2701.4	2695.5	2681.6	2657.9	2655.9	2681.6
35°	7495.1	5211.0	3059.4	2586.7	2669.8	2608.5	2612.4	2578.8	2529.4	2505.6	2529.4
37.5°	7580.2	4894.6	2808.2	2539.2	2568.9	2566.9	2551.1	2493.8	2406.7	2331.6	2357.3
40°	7785.8	4801.6	2636.1	2517.5	2521.4	2545.2	2503.6	2392.9	2195.1	2072.5	2088.3
42.5°	8108.2	4957.9	2598.6	2464.1	2489.8	2513.5	2432.5	2175.4	2035.0	1961.8	1961.8
45°	8517.5	5230.8	2679.7	2387.0	2414.7	2456.2	2214.9	2092.3	2029.0	2031.0	2040.9
47.5°	9035.7	5517.5	2830.0	2319.7	2305.9	2329.6	2070.6	1995.4	1908.4	1930.1	1985.5
50°	9634.9	5808.2	2972.3	2228.8	2185.3	2108.1	1977.6	1906.4	1795.7	1744.2	1758.1
52.5°	10283.5	6089.0	3029.7	2118.0	2054.7	1965.7	1914.3	1827.3	1692.8	1607.8	1605.8
55°	10898.6	6344.2	2966.4	1985.5	1924.2	1855.0	1847.1	1793.7	1649.3	1530.7	1530.7
57.5°	11480.0	6557.7	2808.2	1851.0	1791.7	1750.2	1803.6	1777.9	1595.9	1443.7	1435.7
60°	11972.4	6704.1	2578.8	1714.6	1673.1	1651.3	1732.4	1724.5	1520.8	1350.7	1344.8
62.5°	12364.0	6761.4	2325.7	1584.1	1574.2	1534.6	1633.5	1633.5	1425.9	1259.7	1253.8
65°	12670.5	6706.1	2068.6	1455.5	1475.3	1416.0	1512.9	1501.0	1325.0	1178.7	1170.7
67.5°	12941.4	6524.1	1783.8	1328.9	1374.4	1299.3	1386.3	1358.6	1214.2	1097.6	1089.7
70°	13062.1	6100.9	1459.5	1202.4	1257.8	1184.6	1259.7	1208.3	1089.7	1010.6	994.7
72.5°	12093.0	5070.6	1149.0	1069.9	1117.3	1058.0	1123.3	1064.0	955.2	919.6	889.9
75°	10004.7	3804.9	884.0	925.5	961.1	915.6	959.1	915.6	816.8	842.5	769.3
77.5°	7265.7	2568.9	676.3	773.2	789.1	765.3	802.9	753.5	664.5	658.5	628.9
80°	3613.1	1505.0	530.0	611.1	605.1	589.3	632.8	609.1	534.0	565.6	559.7
82.5°	1046.2	644.7	385.6	429.1	417.3	421.2	452.9	464.7	696.1	690.2	706.0
85°	328.3	253.1	231.4	239.3	227.4	233.4	267.0	530.0	490.4	286.8	310.5
87.5°	85.0	87.0	57.4	61.3	63.3	75.1	85.0	322.3	154.3	100.9	106.8
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)