

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: P954130

Luminaire Tested: **GALN-SB7C-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
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-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45168 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - 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

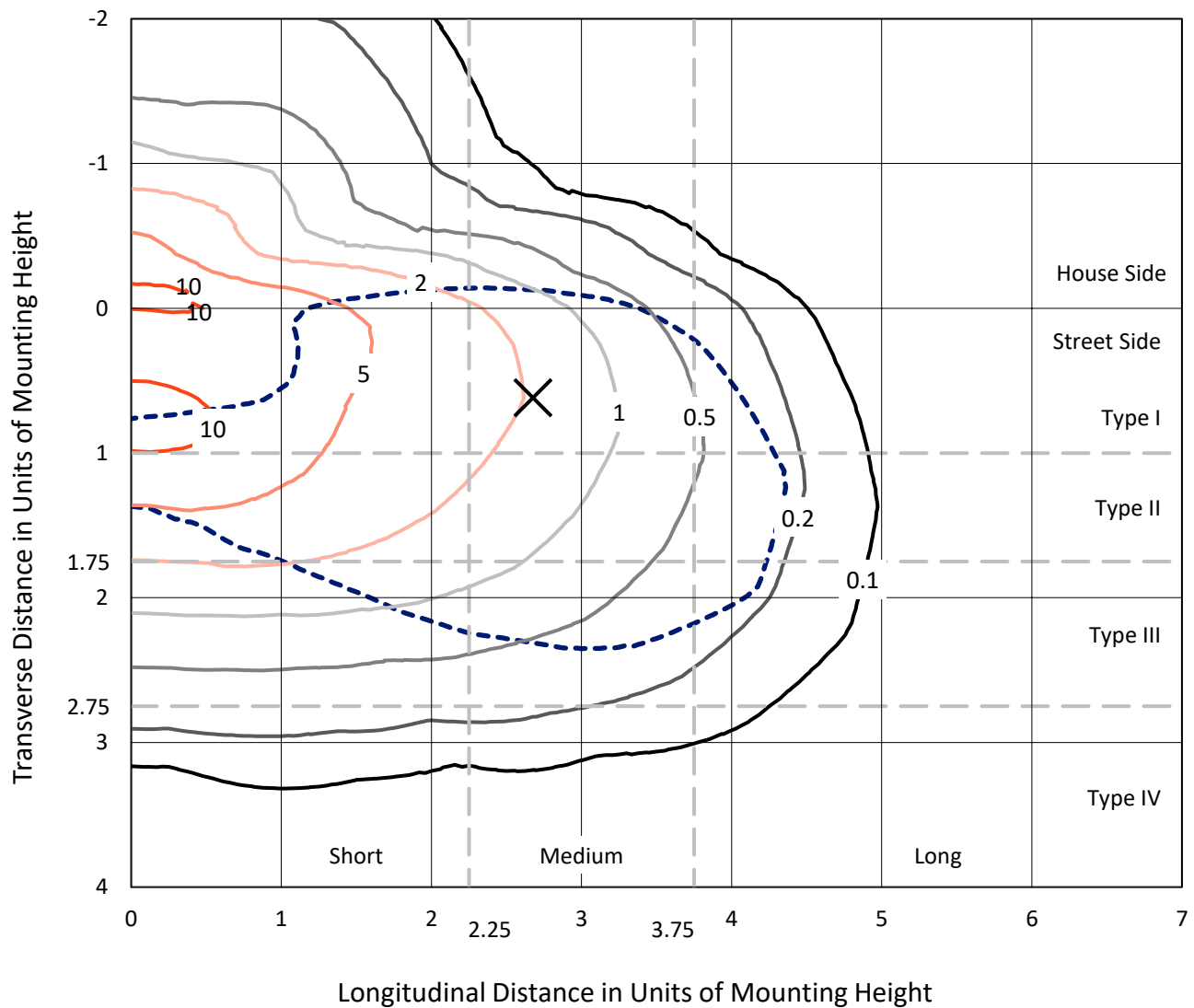


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Iso-Footcandle Lines of Horizontal Illumination

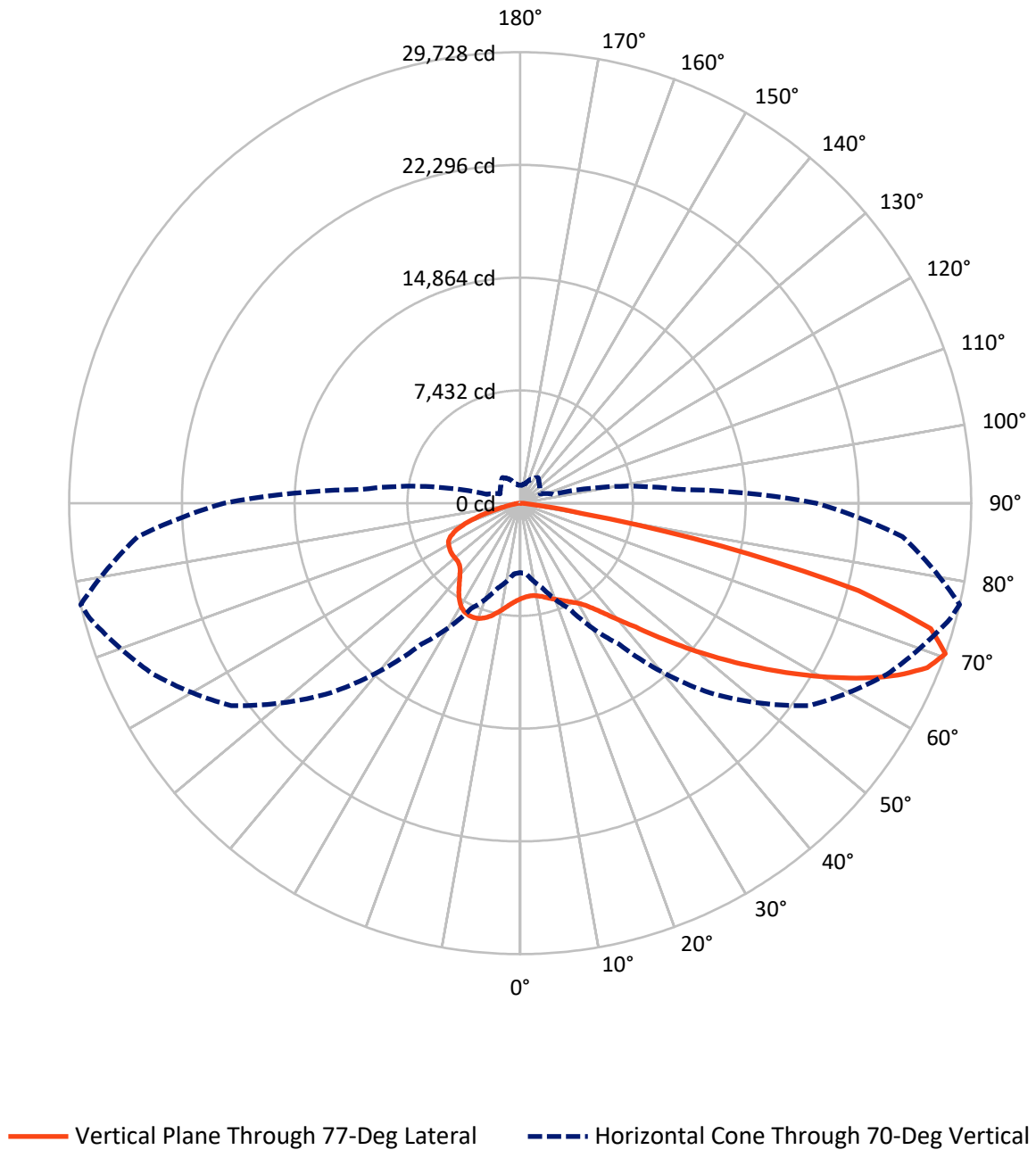
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9891.1	0.0	9891.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	35276.9	0.0	35276.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	45168.0	0.0	45168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.0	1.3
10°-20°	1734.5	3.8
20°-30°	2966.2	6.6
30°-40°	4770.0	10.6
40°-50°	7447.2	16.5
50°-60°	9947.7	22.0
60°-70°	10602.7	23.5
70°-80°	6526.9	14.5
80°-90°	571.9	1.3
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°	45168.0	100.0
0°-180°	45168.0	100.0

Coefficient of Utilization



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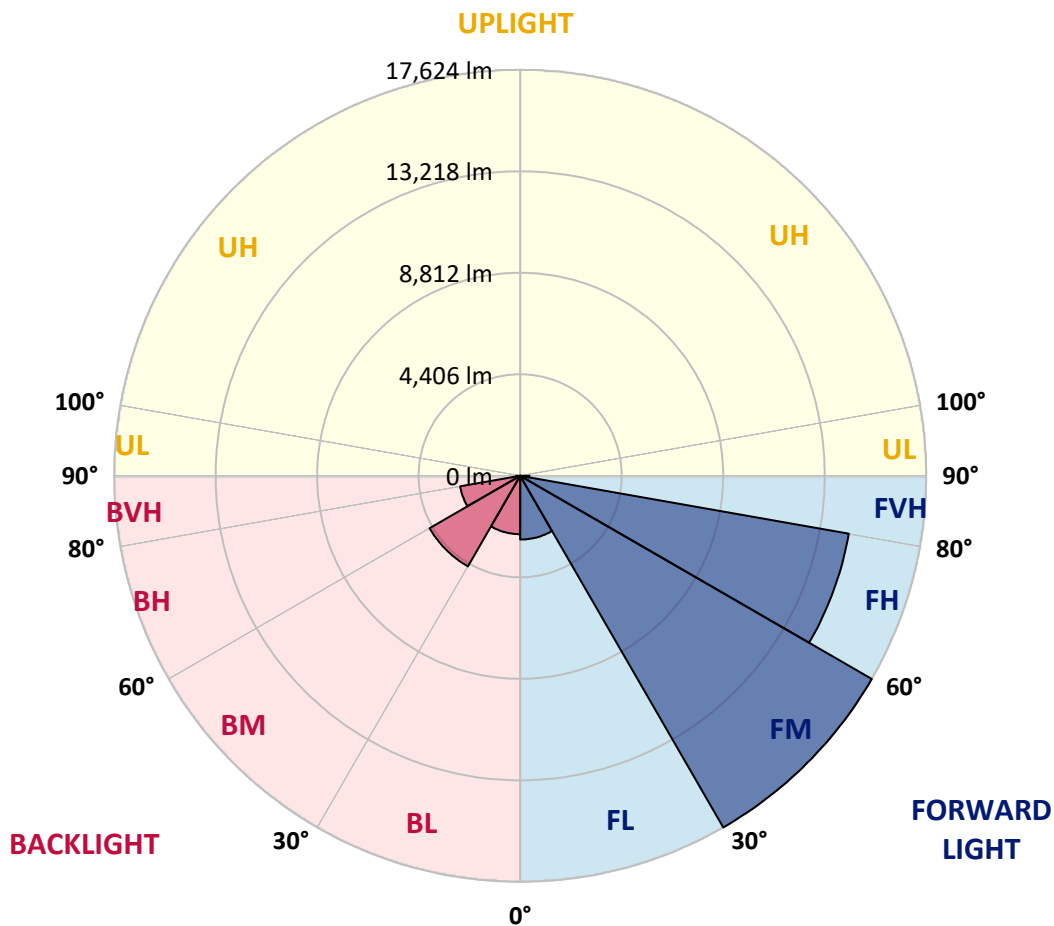
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2767.3	6.1			
FM	(30°-60°)	17623.6	39.0			
FH	(60°-80°)	14486.1	32.1			G5
FVH	(80°-90°)	399.9	0.9			G3/500
BL	(0°-30°)	2534.4	5.6	B4/5000		
BM	(30°-60°)	4541.2	10.1	B3/5000		
BH	(60°-80°)	2643.5	5.9	B4/5000		G4/5000
BVH	(80°-90°)	172.0	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3
2.5°	5808.6	5806.3	5836.4	5845.6	5901.2	5940.5	6014.5	6093.2	6194.9	6206.5	6269.0
5°	5473.2	5473.2	5507.9	5544.9	5616.6	5695.3	5808.6	5945.1	6120.9	6148.7	6303.7
7.5°	5188.7	5207.2	5237.2	5309.0	5392.2	5505.6	5679.1	5873.4	6104.7	6148.7	6398.5
10°	4959.7	4980.5	5017.5	5075.3	5200.2	5357.5	5584.2	5834.1	6144.0	6213.4	6537.3
12.5°	4887.9	4908.8	4929.6	4973.5	5089.2	5274.3	5544.9	5852.6	6238.9	6308.3	6727.0
15°	5054.5	5079.9	5063.7	5052.2	5112.3	5281.2	5563.4	5919.7	6356.9	6456.3	6960.6
17.5°	5438.5	5447.8	5410.7	5302.0	5292.8	5383.0	5651.3	6012.2	6504.9	6613.6	7196.6
20°	6058.5	6042.3	5965.9	5750.8	5628.2	5609.7	5801.7	6151.0	6657.6	6773.3	7451.0
22.5°	6900.5	6882.0	6729.3	6389.3	6116.3	5935.9	6019.1	6331.4	6828.8	6958.3	7698.6
25°	7950.7	7925.3	7700.9	7238.2	6814.9	6368.4	6315.2	6569.7	7039.3	7159.6	7957.6
27.5°	9176.7	9155.9	8913.0	8302.3	7691.6	6960.6	6683.0	6849.6	7259.0	7395.5	8249.1
30°	10495.3	10555.5	10125.2	9468.2	8695.6	7733.3	7178.1	7194.3	7543.6	7666.2	8603.1
32.5°	12045.2	12149.3	11631.1	10798.3	9743.5	8573.0	7802.7	7675.4	7957.6	8059.4	9049.5
35°	13581.2	13699.2	13268.9	12348.2	11133.8	9563.1	8455.0	8228.3	8508.2	8619.2	9641.7
37.5°	14909.0	15066.3	14844.3	14043.9	12621.2	10756.7	9306.3	8878.3	9186.0	9324.8	10437.5
40°	15956.9	16197.5	16181.3	15681.7	14374.7	12204.8	10386.6	9681.0	10028.0	10178.4	11402.1
42.5°	16808.2	17016.4	17196.9	17171.4	16204.5	13849.5	11656.6	10724.3	10988.0	11161.5	12487.0
45°	17395.8	17617.9	18006.5	18425.2	17964.9	15609.9	13111.6	11961.9	12202.5	12463.9	13780.2
47.5°	17920.9	18173.1	18677.3	19341.3	19459.2	17377.3	14705.5	13403.1	13622.8	13893.5	15077.9
50°	17967.2	18184.6	18966.5	19908.0	20521.0	19075.2	16417.3	15020.1	15225.9	15515.1	16468.2
52.5°	16849.9	17192.2	18557.1	19891.8	21009.1	20495.6	18117.5	16701.8	16933.1	17280.1	17907.0
55°	13079.2	13581.2	17356.5	19271.9	20835.6	21413.9	19734.5	18490.0	18786.1	19149.3	19355.1
57.5°	11265.6	11485.4	13777.8	18143.0	20044.5	21652.2	21099.3	20296.6	20773.2	21171.0	20886.5
60°	10125.2	10307.9	11663.5	16387.2	19003.5	21275.1	22154.2	21980.7	22804.2	23278.4	22452.6
62.5°	8903.8	9077.3	10310.2	13683.0	17671.1	20648.2	22820.4	23535.2	24886.2	25404.3	23928.5
65°	7691.6	7839.7	9021.8	11497.0	15977.8	20021.4	23165.1	24879.2	26813.1	27349.8	25154.5
67.5°	6340.7	6463.3	7580.6	9699.5	13918.9	19163.1	23336.3	25936.4	28490.2	28950.6	25760.6
70°	4575.6	4670.5	5824.8	7670.8	11335.0	17687.3	23266.9	26685.9	29360.0	29727.8	25302.5
72.5°	2162.9	2248.5	3604.1	4980.5	8006.2	14814.2	21862.7	26091.4	28476.4	28293.6	22498.9
75°	1154.3	1228.3	2070.4	2732.0	4228.7	10155.3	17890.8	22475.7	23912.3	23024.0	16627.8
77.5°	781.9	839.7	1281.6	1640.1	1931.6	4820.9	11499.3	15561.4	14971.5	13504.9	8327.8
80°	620.0	680.1	1050.2	1110.4	934.6	1741.9	4751.5	7203.5	5174.8	4138.4	2368.8
82.5°	476.5	543.6	883.7	805.0	508.9	714.8	1383.3	2278.6	1325.5	1008.6	573.7
85°	291.5	363.2	694.0	513.5	286.8	326.2	469.6	633.8	404.8	337.7	205.9
87.5°	148.0	208.2	351.6	187.4	129.5	76.3	124.9	124.9	106.4	92.5	53.2
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°	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3	6301.3
2.5°	6324.5	6370.7	6449.4	6523.4	6581.3	6636.8	6692.3	6722.4	6731.6	6768.6	6789.4
5°	6398.5	6484.1	6636.8	6780.2	6870.4	6925.9	6965.3	6988.4	6993.0	7004.6	7023.1
7.5°	6535.0	6671.5	6884.3	7027.7	7094.8	7090.2	7074.0	7016.1	6993.0	6972.2	6976.8
10°	6727.0	6907.4	7168.8	7268.3	7226.7	7115.6	6972.2	6803.3	6724.7	6648.3	6625.2
12.5°	6965.3	7194.3	7451.0	7446.4	7240.5	6956.0	6622.9	6363.8	6199.6	6081.6	6053.8
15°	7254.4	7518.1	7714.8	7557.5	7106.4	6595.1	6107.0	5769.3	5621.2	5491.7	5477.8
17.5°	7552.8	7835.0	7925.3	7522.8	6768.6	6060.8	5507.9	5241.9	5096.1	5026.7	5047.6
20°	7844.3	8124.2	8050.2	7323.8	6255.1	5454.7	4962.0	4816.2	4786.2	4802.3	4795.4
22.5°	8152.0	8401.8	8075.6	6939.8	5600.4	4834.7	4564.1	4568.7	4635.8	4684.4	4695.9
25°	8466.6	8635.4	8008.5	6384.6	4897.2	4379.0	4311.9	4386.0	4517.8	4612.7	4638.1
27.5°	8769.6	8843.6	7862.8	5697.6	4293.4	4052.8	4064.4	4217.1	4416.0	4547.9	4580.3
30°	9112.0	9028.7	7582.9	4925.0	3874.7	3772.9	3870.1	4048.2	4247.2	4365.1	4392.9
32.5°	9498.3	9188.3	7138.8	4210.2	3578.6	3548.6	3708.2	3823.8	3911.7	3946.4	3964.9
35°	9979.4	9412.7	6569.7	3708.2	3312.6	3384.3	3537.0	3479.2	3444.5	3426.0	3444.5
37.5°	10604.0	9715.7	5903.5	3382.0	3097.5	3266.3	3328.8	3148.4	3011.9	2944.8	2961.0
40°	11355.8	10159.9	5262.7	3129.9	2961.0	3164.6	3055.8	2838.4	2664.9	2570.0	2577.0
42.5°	12190.9	10624.9	4723.7	2940.2	2884.6	3081.3	2854.6	2595.5	2315.6	2285.5	2315.6
45°	13067.7	11103.7	4355.9	2794.4	2847.6	3009.6	2738.9	2320.2	2121.3	2243.9	2308.6
47.5°	13944.4	11543.2	4133.8	2685.7	2829.1	2928.6	2637.1	2167.5	2026.4	2204.5	2287.8
50°	14920.6	11936.5	4034.3	2607.1	2808.3	2896.2	2484.5	2128.2	1927.0	2044.9	2132.8
52.5°	15889.9	12241.8	3960.3	2528.4	2778.2	2870.8	2410.4	2081.9	1806.7	1813.6	1862.2
55°	16856.8	12440.8	3879.4	2424.3	2711.2	2815.2	2403.5	2031.1	1716.4	1684.1	1707.2
57.5°	17888.5	12554.1	3779.9	2308.6	2595.5	2674.1	2396.5	1991.7	1688.7	1635.5	1642.4
60°	18938.7	12720.7	3650.3	2167.5	2440.5	2505.3	2380.4	1977.8	1672.5	1582.3	1589.2
62.5°	19880.2	12778.5	3495.4	2033.4	2241.6	2338.7	2345.7	1966.3	1628.5	1473.6	1473.6
65°	20497.9	12528.7	3224.7	1880.7	2026.4	2167.5	2278.6	1927.0	1549.9	1394.9	1394.9
67.5°	20472.4	11816.2	2801.4	1684.1	1818.2	1977.8	2181.4	1859.9	1455.0	1297.7	1304.7
70°	19519.4	10409.7	2264.7	1455.0	1589.2	1774.3	2056.5	1760.4	1341.7	1191.3	1205.2
72.5°	16741.1	8147.3	1644.7	1186.7	1323.2	1563.8	1894.6	1640.1	1226.0	1096.5	1089.6
75°	11959.6	5156.3	1115.0	911.4	1029.4	1325.5	1693.3	1499.0	1119.6	1101.1	1038.7
77.5°	6109.3	2463.6	737.9	666.2	717.1	1045.6	1422.7	1339.4	1135.8	909.1	809.6
80°	1987.1	909.1	465.0	453.4	476.5	696.3	1101.1	1098.8	860.5	617.6	545.9
82.5°	633.8	390.9	303.0	291.5	279.9	437.2	768.0	869.8	580.6	390.9	388.6
85°	252.1	233.6	178.1	164.2	118.0	205.9	402.5	578.3	432.6	282.2	289.2
87.5°	92.5	92.5	48.6	34.7	25.4	69.4	108.7	173.5	247.5	145.7	143.4
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)