

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: P956976

Luminaire Tested: **GALN-SB9C-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956976
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-SB9C-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 55073 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

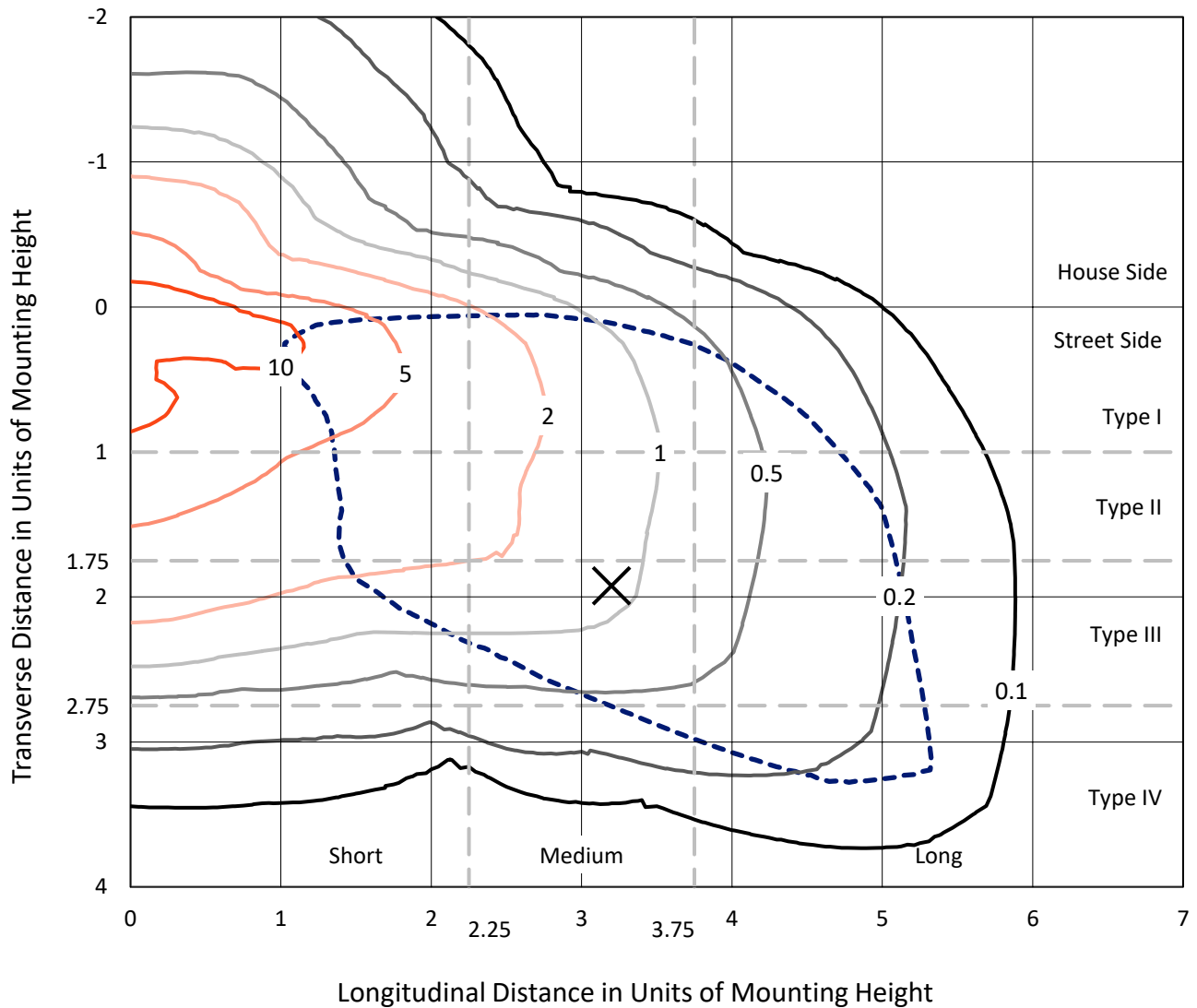
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

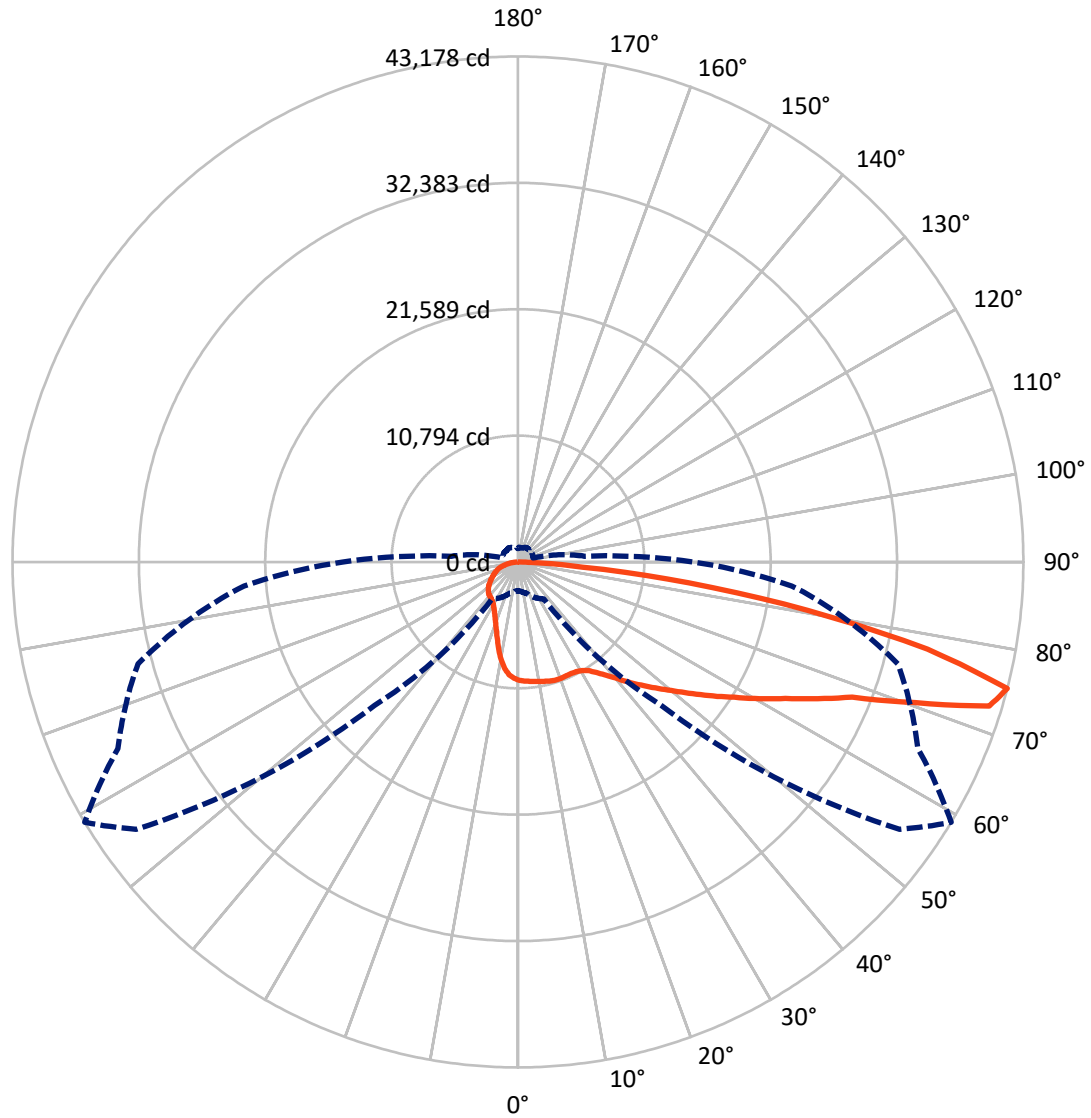
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 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	10329.3	0.0	10329.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	44743.7	0.0	44743.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	55073.0	0.0	55073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	906.4	1.6
10°-20°	2316.8	4.2
20°-30°	3519.0	6.4
30°-40°	5230.9	9.5
40°-50°	7779.3	14.1
50°-60°	10559.5	19.2
60°-70°	12891.4	23.4
70°-80°	10117.0	18.4
80°-90°	1752.5	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°	55073.0	100.0
0°-180°	55073.0	100.0

Coefficient of Utilization



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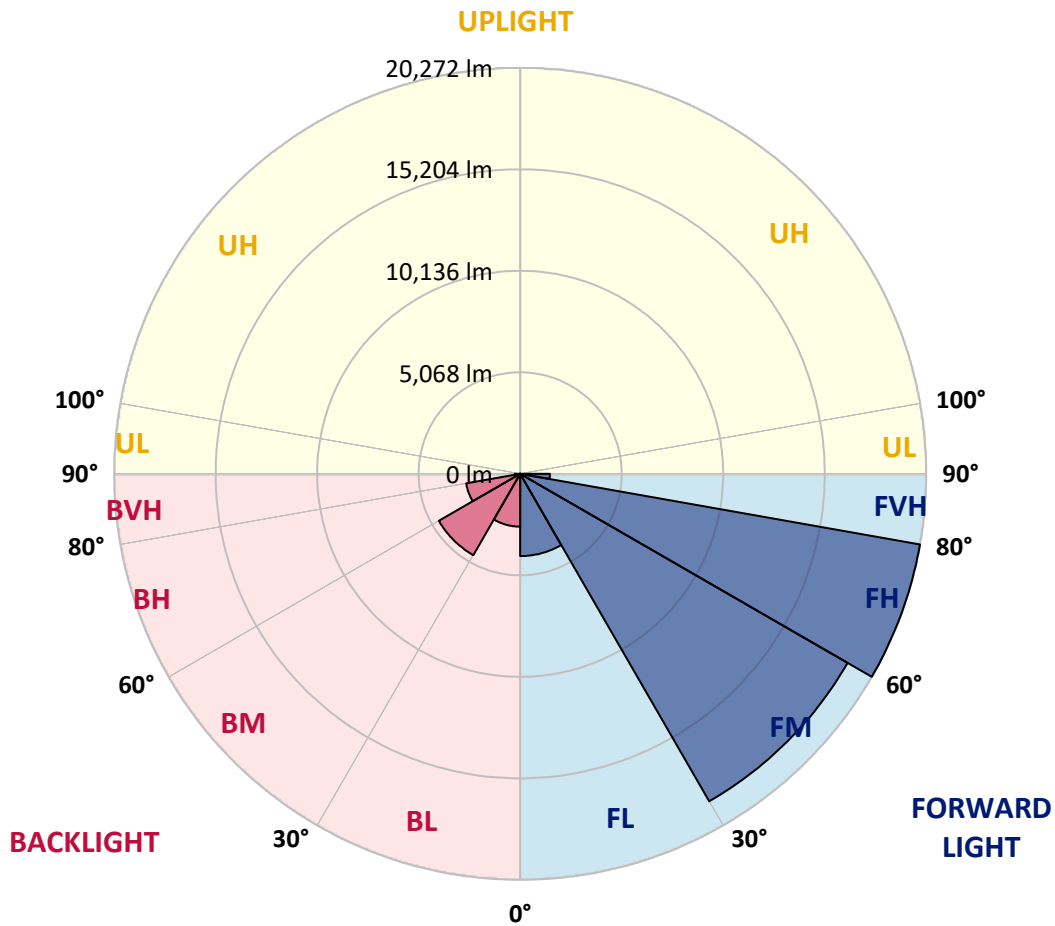
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4106.3	7.5			
FM (30°-60°)	18881.3	34.3			
FH (60°-80°)	20271.8	36.8			G5
FVH (80°-90°)	1484.2	2.7			G5
BL (0°-30°)	2635.9	4.8	B4/5000		
BM (30°-60°)	4688.5	8.5	B3/5000		
BH (60°-80°)	2736.6	5.0	B4/5000		G4/5000
BVH (80°-90°)	268.3	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5
2.5°	10194.4	10158.9	10194.4	10179.6	10173.7	10161.9	10164.8	10185.6	10173.7	10188.5	10138.2
5°	10126.3	10105.6	10141.1	10132.2	10170.7	10176.7	10215.2	10238.9	10253.7	10256.7	10218.1
7.5°	10013.7	9993.0	10043.3	10084.8	10167.8	10191.5	10271.5	10310.0	10330.7	10366.3	10310.0
10°	9601.9	9593.0	9717.5	9874.5	10070.0	10191.5	10312.9	10378.1	10410.7	10505.5	10440.3
12.5°	8873.1	8885.0	9047.9	9350.1	9741.2	10132.2	10360.4	10455.2	10505.5	10624.0	10594.4
15°	8176.9	8173.9	8351.7	8674.6	9222.7	9871.5	10384.1	10547.0	10632.9	10807.7	10784.0
17.5°	7774.0	7762.1	7886.5	8132.4	8642.0	9471.6	10324.8	10597.4	10781.0	11000.3	10979.5
20°	7699.9	7676.2	7741.4	7862.8	8224.3	9033.1	10170.7	10597.4	10899.6	11184.0	11172.1
22.5°	7969.5	7931.0	7904.3	7889.5	8049.5	8671.6	9995.9	10561.8	11074.3	11447.6	11426.9
25°	8511.7	8452.4	8316.1	8182.8	8135.4	8508.7	9841.9	10552.9	11335.1	11803.2	11726.1
27.5°	9388.6	9314.5	9039.0	8719.0	8431.7	8591.7	9773.7	10606.2	11622.4	12179.4	12025.4
30°	10475.9	10395.9	10049.3	9557.5	9042.0	8899.8	9859.7	10763.3	11989.8	12680.1	12377.9
32.5°	11450.6	11361.7	11065.5	10564.8	9868.6	9433.0	10132.2	11062.5	12567.5	13376.3	12908.2
35°	12315.7	12212.0	11945.4	11483.2	10881.8	10182.6	10624.0	11592.8	13388.2	14508.0	13628.1
37.5°	13163.0	13041.5	12751.2	12262.4	11841.7	11181.0	11302.5	12274.2	14478.4	15882.7	14582.1
40°	14111.1	13936.3	13583.7	13100.8	12691.9	12351.2	12194.2	13109.7	15586.4	17417.4	15773.1
42.5°	15029.5	14863.6	14442.9	14031.1	13518.5	13420.8	13228.2	14087.4	16798.2	19103.1	16981.9
45°	16019.0	15820.5	15310.9	14789.5	14466.6	14131.8	14229.6	15065.0	17986.2	20821.4	18249.9
47.5°	16946.3	16724.1	16122.7	15542.0	15364.2	14730.2	15148.0	16140.5	19221.6	22563.5	19506.0
50°	17447.0	17227.7	16727.1	16202.7	16063.4	15467.9	16143.4	17322.6	20516.3	24299.6	20711.8
52.5°	17864.7	17627.7	16973.0	16682.6	16641.1	16270.8	17370.0	18673.5	21811.0	25834.2	21876.1
55°	18309.1	18045.4	17210.0	16949.3	17138.9	17171.5	18824.6	20205.2	23179.7	27330.4	22975.3
57.5°	18821.6	18486.9	17438.1	17174.4	17624.7	18226.2	20495.5	21793.2	24524.7	28716.9	23952.9
60°	19304.6	18966.8	17876.6	17532.9	18149.1	19449.7	22412.4	23715.9	26047.5	29952.3	24877.3
62.5°	19399.4	19120.9	18226.2	18223.2	18860.2	20877.7	24681.8	25656.5	27377.8	31172.9	25706.8
65°	17758.1	17583.3	17053.0	18196.5	19879.3	22933.8	27208.9	28139.2	29069.4	32239.4	26435.6
67.5°	13515.6	13539.3	13500.7	15707.9	19055.7	25887.5	30867.7	30796.6	31158.1	33436.4	27274.1
70°	6180.1	6319.3	7225.9	10843.3	15266.5	26228.2	36917.5	35996.1	33780.0	34985.8	27999.9
72.5°	3338.9	3445.5	3815.9	5252.8	9178.3	23318.9	41438.4	42093.2	37267.0	36028.7	27203.0
75°	2450.1	2509.4	2767.1	3338.9	3854.4	17331.4	39817.9	43177.5	37702.6	33596.3	23490.8
77.5°	1833.9	1860.5	2070.9	2645.6	1973.1	9136.8	31815.8	35759.1	32275.0	27602.9	17352.2
80°	1330.2	1359.9	1516.9	1985.0	1383.6	3341.9	21846.5	25099.5	22104.3	17595.1	8647.9
82.5°	918.4	930.3	998.4	1351.0	965.8	1297.6	12395.7	14718.4	12339.4	6174.1	2334.6
85°	554.0	568.8	598.5	788.1	548.1	616.2	5350.5	5534.2	3688.5	1475.4	725.8
87.5°	228.1	242.9	266.6	331.8	216.3	171.8	882.9	1108.0	690.3	432.5	225.2
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°	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5	10108.5
2.5°	10123.3	10102.6	10046.3	9969.3	9898.2	9809.3	9770.8	9738.2	9708.6	9652.3	9625.6
5°	10185.6	10129.3	9978.2	9782.6	9560.4	9317.5	9080.5	8917.5	8778.3	8674.6	8588.7
7.5°	10280.4	10173.7	9898.2	9498.2	8988.6	8467.2	7996.2	7661.4	7409.6	7317.7	7157.7
10°	10378.1	10250.7	9770.8	9065.7	8185.8	7382.9	6757.8	6414.1	6212.7	6147.5	6046.7
12.5°	10493.7	10307.0	9572.3	8464.3	7288.1	6408.2	5863.1	5661.6	5557.9	5522.4	5531.2
15°	10662.5	10354.4	9273.1	7711.8	6431.9	5697.2	5344.6	5205.4	5152.0	5149.1	5160.9
17.5°	10789.9	10363.3	8807.9	6905.9	5774.2	5267.6	4977.2	4923.9	4959.5	5012.8	5033.5
20°	10932.1	10283.3	8197.6	6171.2	5312.0	4891.3	4769.8	4805.4	4891.3	4968.3	4995.0
22.5°	11032.9	10138.2	7459.9	5599.4	4912.1	4675.0	4669.1	4743.2	4790.6	4829.1	4849.8
25°	11121.7	9892.3	6677.8	5119.4	4583.2	4544.7	4609.9	4586.2	4553.6	4586.2	4606.9
27.5°	11186.9	9504.1	5978.6	4698.7	4352.1	4455.8	4417.3	4364.0	4361.0	4378.8	4408.4
30°	11166.2	8985.7	5403.9	4298.8	4189.2	4289.9	4198.1	4189.2	4180.3	4189.2	4221.8
32.5°	11166.2	8396.1	4962.4	4023.3	4085.5	4047.0	4038.1	4017.3	3981.8	3978.8	4017.3
35°	11228.4	7806.6	4583.2	3875.1	3999.6	3907.7	3913.6	3863.3	3789.2	3753.7	3789.2
37.5°	11355.8	7332.5	4206.9	3804.0	3848.5	3845.5	3821.8	3735.9	3605.5	3493.0	3531.5
40°	11663.9	7193.3	3949.2	3771.4	3777.4	3812.9	3750.7	3584.8	3288.5	3104.8	3128.5
42.5°	12146.8	7427.3	3892.9	3691.4	3730.0	3765.5	3644.0	3258.9	3048.6	2938.9	2938.9
45°	12760.1	7836.2	4014.4	3575.9	3617.4	3679.6	3318.2	3134.5	3039.7	3042.6	3057.4
47.5°	13536.3	8265.8	4239.5	3475.2	3454.4	3490.0	3101.9	2989.3	2858.9	2891.5	2974.5
50°	14434.0	8701.3	4452.8	3338.9	3273.7	3158.2	2962.6	2856.0	2690.1	2613.0	2633.8
52.5°	15405.7	9122.0	4538.8	3173.0	3078.2	2944.9	2867.8	2737.5	2536.0	2408.6	2405.7
55°	16327.1	9504.1	4444.0	2974.5	2882.6	2779.0	2767.1	2687.1	2470.8	2293.1	2293.1
57.5°	17198.1	9824.1	4206.9	2773.0	2684.2	2621.9	2701.9	2663.4	2390.9	2162.7	2150.9
60°	17935.8	10043.3	3863.3	2568.6	2506.4	2473.8	2595.3	2583.4	2278.3	2023.5	2014.6
62.5°	18522.4	10129.3	3484.1	2373.1	2358.3	2299.0	2447.1	2447.1	2136.1	1887.2	1878.3
65°	18981.6	10046.3	3098.9	2180.5	2210.1	2121.2	2266.4	2248.6	1985.0	1765.7	1753.9
67.5°	19387.5	9773.7	2672.3	1990.9	2059.0	1946.5	2076.8	2035.3	1819.1	1644.3	1632.4
70°	19568.2	9139.7	2186.4	1801.3	1884.2	1774.6	1887.2	1810.2	1632.4	1513.9	1490.2
72.5°	18116.5	7596.2	1721.3	1602.8	1673.9	1585.0	1682.8	1593.9	1431.0	1377.6	1333.2
75°	14988.0	5700.1	1324.3	1386.5	1439.8	1371.7	1436.9	1371.7	1223.6	1262.1	1152.5
77.5°	10884.7	3848.5	1013.2	1158.4	1182.1	1146.5	1202.8	1128.8	995.4	986.6	942.1
80°	5412.7	2254.6	794.0	915.5	906.6	882.9	948.0	912.5	799.9	847.3	838.4
82.5°	1567.2	965.8	577.7	642.9	625.1	631.0	678.4	696.2	1042.8	1034.0	1057.7
85°	491.8	379.2	346.6	358.5	340.7	349.6	400.0	794.0	734.7	429.6	465.1
87.5°	127.4	130.4	85.9	91.8	94.8	112.6	127.4	482.9	231.1	151.1	160.0
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)