

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: P956272

Luminaire Tested: **GALN-SB9A-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956272
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-SB9A-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34650 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 255.5
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



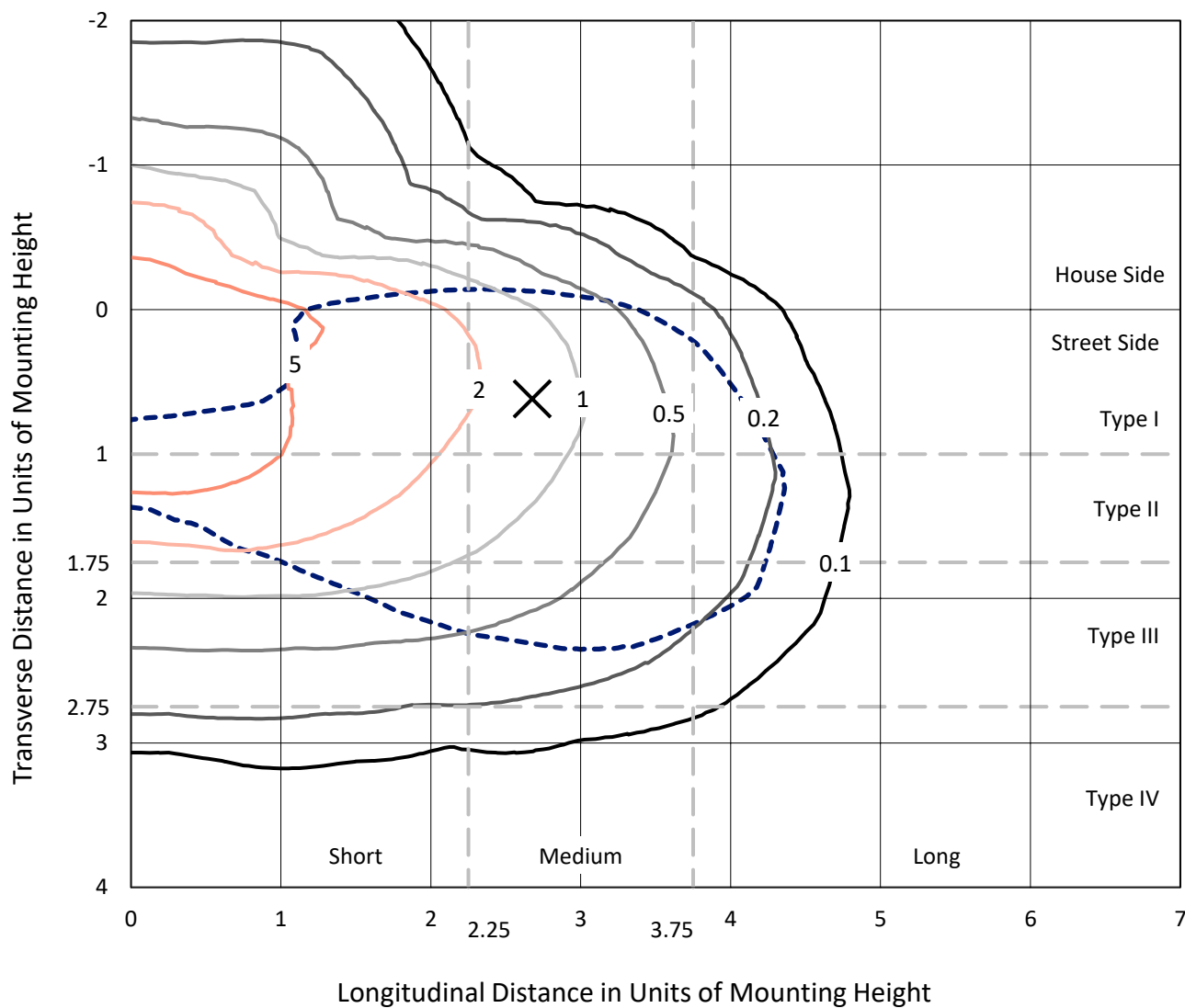
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Iso-Footcandle Lines of Horizontal Illumination

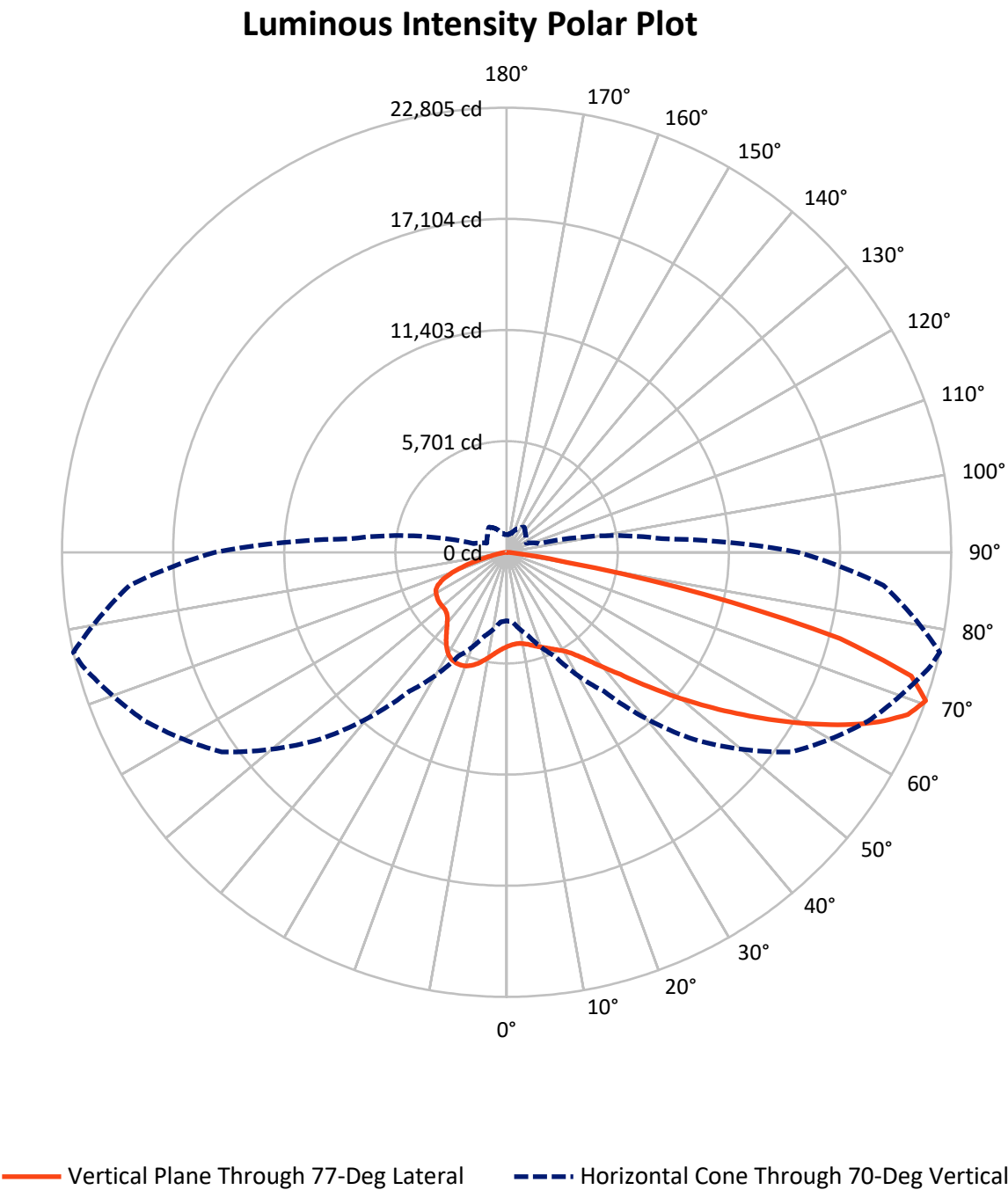
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7587.8	0.0	7587.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	27062.2	0.0	27062.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	34650.0	0.0	34650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.0	1.3
10°-20°	1330.6	3.8
20°-30°	2275.5	6.6
30°-40°	3659.2	10.6
40°-50°	5713.0	16.5
50°-60°	7631.2	22.0
60°-70°	8133.7	23.5
70°-80°	5007.0	14.5
80°-90°	438.7	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°	34650.0	100.0
0°-180°	34650.0	100.0

Coefficient of Utilization



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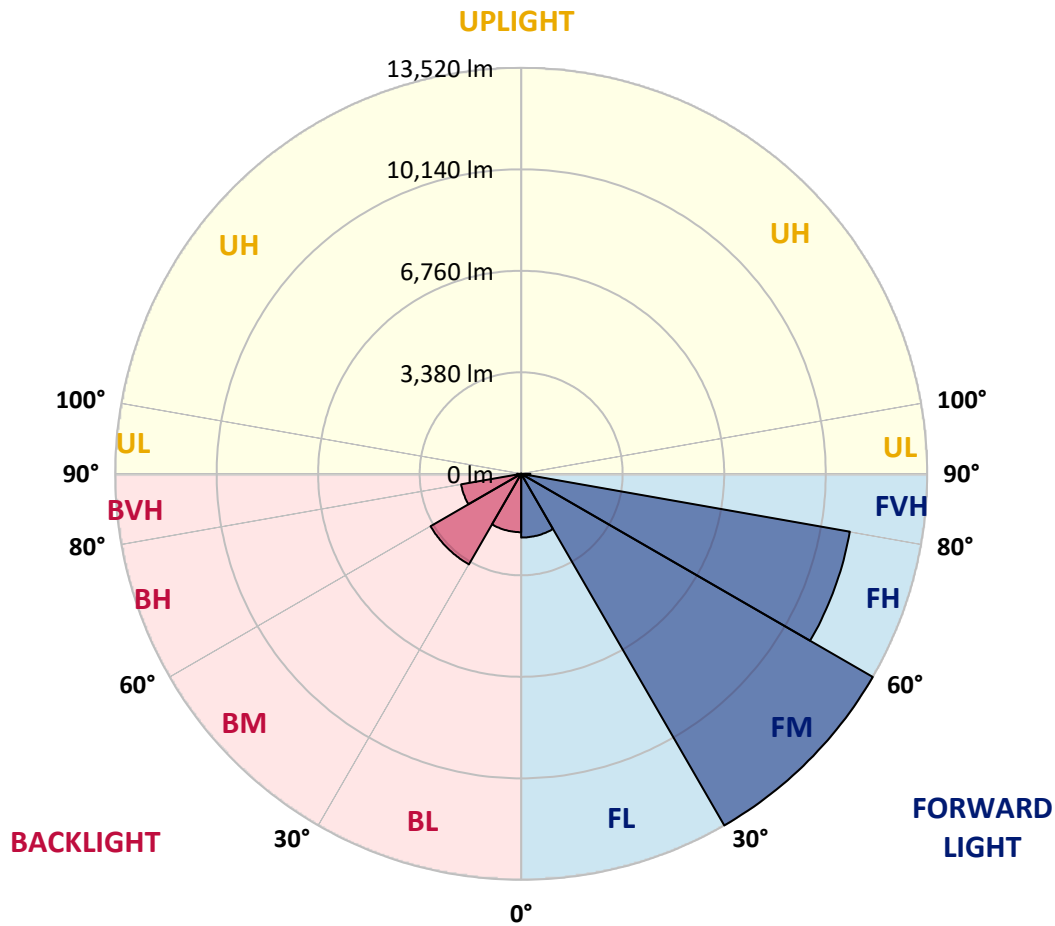
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2122.9	6.1			
FM	(30°-60°)	13519.7	39.0			
FH	(60°-80°)	11112.8	32.1			G4/12000
FVH	(80°-90°)	306.8	0.9			G3/500
BL	(0°-30°)	1944.2	5.6	B3/2500		
BM	(30°-60°)	3483.7	10.1	B3/5000		
BH	(60°-80°)	2027.9	5.9	B3/2500		G3/2500
BVH	(80°-90°)	131.9	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0
2.5°	4456.0	4454.2	4477.3	4484.4	4527.0	4557.2	4613.9	4674.3	4752.4	4761.2	4809.1
5°	4198.7	4198.7	4225.3	4253.7	4308.7	4369.0	4456.0	4560.7	4695.6	4716.9	4835.8
7.5°	3980.4	3994.6	4017.7	4072.7	4136.6	4223.5	4356.6	4505.7	4683.2	4716.9	4908.5
10°	3804.7	3820.7	3849.1	3893.5	3989.3	4110.0	4283.9	4475.5	4713.3	4766.6	5015.0
12.5°	3749.7	3765.7	3781.7	3815.4	3904.1	4046.1	4253.7	4489.7	4786.1	4839.3	5160.5
15°	3877.5	3897.0	3884.6	3875.7	3921.9	4051.4	4267.9	4541.2	4876.6	4952.9	5339.8
17.5°	4172.1	4179.2	4150.8	4067.4	4060.3	4129.5	4335.3	4612.2	4990.2	5073.6	5520.8
20°	4647.7	4635.2	4576.7	4411.6	4317.6	4303.4	4450.7	4718.6	5107.3	5196.0	5716.0
22.5°	5293.6	5279.4	5162.3	4901.4	4692.0	4553.6	4617.5	4857.1	5238.6	5338.0	5905.8
25°	6099.3	6079.8	5907.6	5552.7	5228.0	4885.5	4844.6	5039.8	5400.1	5492.4	6104.6
27.5°	7039.8	7023.8	6837.5	6369.0	5900.5	5339.8	5126.8	5254.6	5568.7	5673.4	6328.2
30°	8051.3	8097.5	7767.4	7263.4	6670.7	5932.5	5506.6	5519.0	5786.9	5881.0	6599.7
32.5°	9240.3	9320.2	8922.7	8283.8	7474.6	6576.6	5985.7	5888.1	6104.6	6182.7	6942.2
35°	10418.6	10509.1	10179.1	9472.8	8541.1	7336.2	6486.1	6312.2	6527.0	6612.1	7396.5
37.5°	11437.3	11557.9	11387.6	10773.6	9682.2	8251.9	7139.2	6810.9	7046.9	7153.4	8007.0
40°	12241.1	12425.7	12413.3	12030.0	11027.3	9362.8	7967.9	7426.7	7692.9	7808.2	8747.0
42.5°	12894.2	13053.9	13192.3	13172.8	12431.0	10624.5	8942.2	8227.0	8429.3	8562.4	9579.3
45°	13344.9	13515.3	13813.4	14134.6	13781.5	11975.0	10058.4	9176.4	9361.0	9561.5	10571.2
47.5°	13747.8	13941.2	14328.1	14837.4	14927.9	13330.7	11281.1	10282.0	10450.6	10658.2	11566.8
50°	13783.3	13950.1	14549.9	15272.1	15742.4	14633.3	12594.3	11522.4	11680.4	11902.2	12633.3
52.5°	12926.1	13188.8	14235.8	15259.7	16116.9	15722.9	13898.6	12812.6	12990.0	13256.2	13737.1
55°	10033.5	10418.6	13314.8	14784.1	15983.8	16427.4	15139.1	14184.3	14411.5	14690.1	14848.0
57.5°	8642.3	8810.9	10569.5	13918.1	15376.8	16610.2	16186.1	15570.3	15935.8	16241.1	16022.8
60°	7767.4	7907.6	8947.5	12571.2	14578.3	16320.9	16995.3	16862.2	17493.9	17857.7	17224.2
62.5°	6830.4	6963.5	7909.4	10496.7	13556.1	15840.0	17506.4	18054.7	19091.1	19488.6	18356.4
65°	5900.5	6014.1	6920.9	8819.7	12257.1	15359.1	17770.8	19085.7	20569.3	20981.0	19296.9
67.5°	4864.2	4958.2	5815.3	7440.9	10677.7	14700.7	17902.1	19896.7	21855.9	22209.0	19761.9
70°	3510.1	3582.9	4468.4	5884.6	8695.5	13568.5	17848.9	20471.7	22523.1	22805.3	19410.5
72.5°	1659.2	1724.9	2764.8	3820.7	6141.9	11364.5	16771.7	20015.6	21845.2	21705.0	17259.7
75°	885.5	942.3	1588.3	2095.8	3244.0	7790.5	13724.7	17241.9	18344.0	17662.5	12755.8
77.5°	599.8	644.2	983.1	1258.2	1481.8	3698.3	8821.5	11937.7	11485.2	10360.1	6388.5
80°	475.6	521.7	805.7	851.8	716.9	1336.3	3645.0	5526.1	3969.8	3174.7	1817.2
82.5°	365.6	417.0	677.9	617.6	390.4	548.3	1061.2	1748.0	1016.8	773.7	440.1
85°	223.6	278.6	532.4	394.0	220.0	250.2	360.2	486.2	310.6	259.1	157.9
87.5°	113.6	159.7	269.7	143.7	99.4	58.6	95.8	95.8	81.6	71.0	40.8
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°	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0
2.5°	4851.7	4887.2	4947.6	5004.4	5048.7	5091.3	5133.9	5157.0	5164.1	5192.5	5208.4
5°	4908.5	4974.2	5091.3	5201.3	5270.5	5313.1	5343.3	5361.0	5364.6	5373.5	5387.7
7.5°	5013.2	5117.9	5281.2	5391.2	5442.7	5439.1	5426.7	5382.3	5364.6	5348.6	5352.2
10°	5160.5	5298.9	5499.5	5575.8	5543.8	5458.6	5348.6	5219.1	5158.7	5100.2	5082.4
12.5°	5343.3	5519.0	5716.0	5712.4	5554.5	5336.2	5080.7	4881.9	4755.9	4665.4	4644.1
15°	5565.1	5767.4	5918.3	5797.6	5451.5	5059.4	4684.9	4425.8	4312.3	4212.9	4202.2
17.5°	5794.0	6010.5	6079.8	5771.0	5192.5	4649.4	4225.3	4021.2	3909.4	3856.2	3872.2
20°	6017.6	6232.4	6175.6	5618.4	4798.5	4184.5	3806.5	3694.7	3671.6	3684.1	3678.7
22.5°	6253.7	6445.3	6195.1	5323.8	4296.3	3708.9	3501.3	3504.8	3556.3	3593.6	3602.4
25°	6495.0	6624.6	6143.6	4897.9	3756.8	3359.3	3307.8	3364.6	3465.8	3538.5	3558.1
27.5°	6727.5	6784.3	6031.8	4370.8	3293.6	3109.1	3118.0	3235.1	3387.7	3488.8	3513.7
30°	6990.1	6926.2	5817.1	3778.1	2972.4	2894.4	2968.9	3105.5	3258.2	3348.7	3370.0
32.5°	7286.5	7048.7	5476.4	3229.8	2745.3	2722.2	2844.7	2933.4	3000.8	3027.5	3041.7
35°	7655.6	7220.8	5039.8	2844.7	2541.2	2596.2	2713.4	2669.0	2642.4	2628.2	2642.4
37.5°	8134.7	7453.3	4528.8	2594.5	2376.2	2505.7	2553.6	2415.2	2310.5	2259.1	2271.5
40°	8711.5	7794.0	4037.2	2401.0	2271.5	2427.6	2344.2	2177.4	2044.3	1971.6	1976.9
42.5°	9352.1	8150.7	3623.7	2255.5	2212.9	2363.8	2189.8	1991.1	1776.4	1753.3	1776.4
45°	10024.7	8518.0	3341.6	2143.7	2184.5	2308.7	2101.1	1779.9	1627.3	1721.4	1771.0
47.5°	10697.2	8855.2	3171.2	2060.3	2170.3	2246.6	2023.0	1662.8	1554.5	1691.2	1755.1
50°	11446.1	9156.9	3094.9	2000.0	2154.4	2221.8	1905.9	1632.6	1478.2	1568.7	1636.2
52.5°	12189.7	9391.1	3038.1	1939.6	2131.3	2202.3	1849.1	1597.1	1386.0	1391.3	1428.5
55°	12931.5	9543.8	2976.0	1859.8	2079.8	2159.7	1843.8	1558.1	1316.7	1291.9	1309.6
57.5°	13722.9	9630.7	2899.7	1771.0	1991.1	2051.4	1838.5	1527.9	1295.5	1254.6	1260.0
60°	14528.6	9758.5	2800.3	1662.8	1872.2	1921.9	1826.1	1517.3	1283.0	1213.8	1219.1
62.5°	15250.9	9802.9	2681.4	1559.9	1719.6	1794.1	1799.4	1508.4	1249.3	1130.4	1130.4
65°	15724.7	9611.2	2473.8	1442.7	1554.5	1662.8	1748.0	1478.2	1189.0	1070.1	1070.1
67.5°	15705.1	9064.6	2149.0	1291.9	1394.8	1517.3	1673.4	1426.8	1116.2	995.5	1000.9
70°	14974.0	7985.7	1737.3	1116.2	1219.1	1361.1	1577.6	1350.5	1029.3	913.9	924.6
72.5°	12842.7	6250.1	1261.7	910.4	1015.1	1199.6	1453.4	1258.2	940.5	841.2	835.8
75°	9174.6	3955.6	855.4	699.2	789.7	1016.8	1299.0	1149.9	858.9	844.7	796.8
77.5°	4686.7	1889.9	566.1	511.1	550.1	802.1	1091.4	1027.5	871.3	697.4	621.1
80°	1524.4	697.4	356.7	347.8	365.6	534.2	844.7	842.9	660.1	473.8	418.8
82.5°	486.2	299.9	232.5	223.6	214.7	335.4	589.2	667.2	445.4	299.9	298.1
85°	193.4	179.2	136.6	126.0	90.5	157.9	308.8	443.6	331.8	216.5	221.8
87.5°	71.0	71.0	37.3	26.6	19.5	53.2	83.4	133.1	189.9	111.8	110.0
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)