

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: P942452

Luminaire Tested: **GALN-SB6C-722-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942452  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

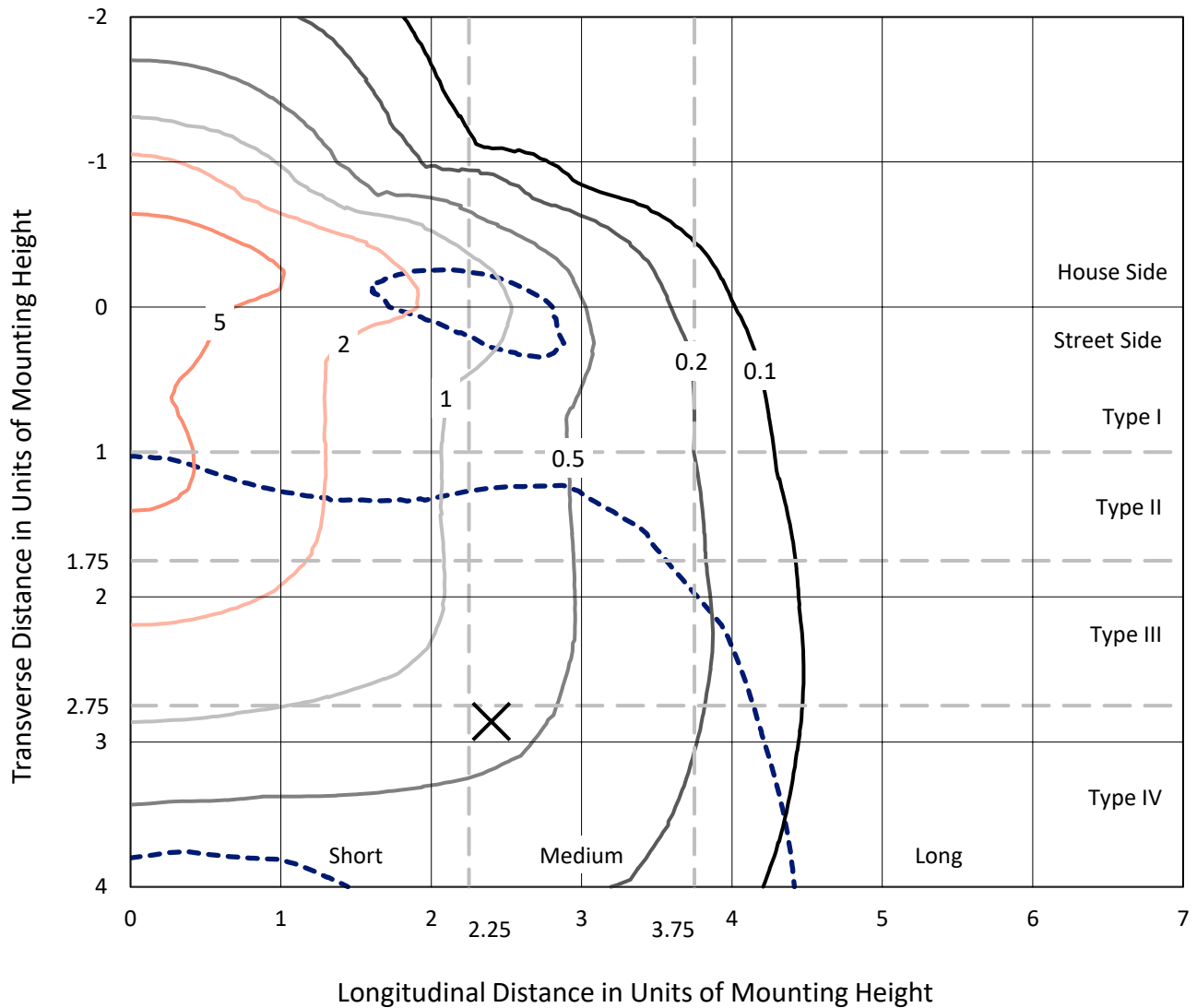
Lumens per Lamp: N/A  
Luminaire Lumens: 37188 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

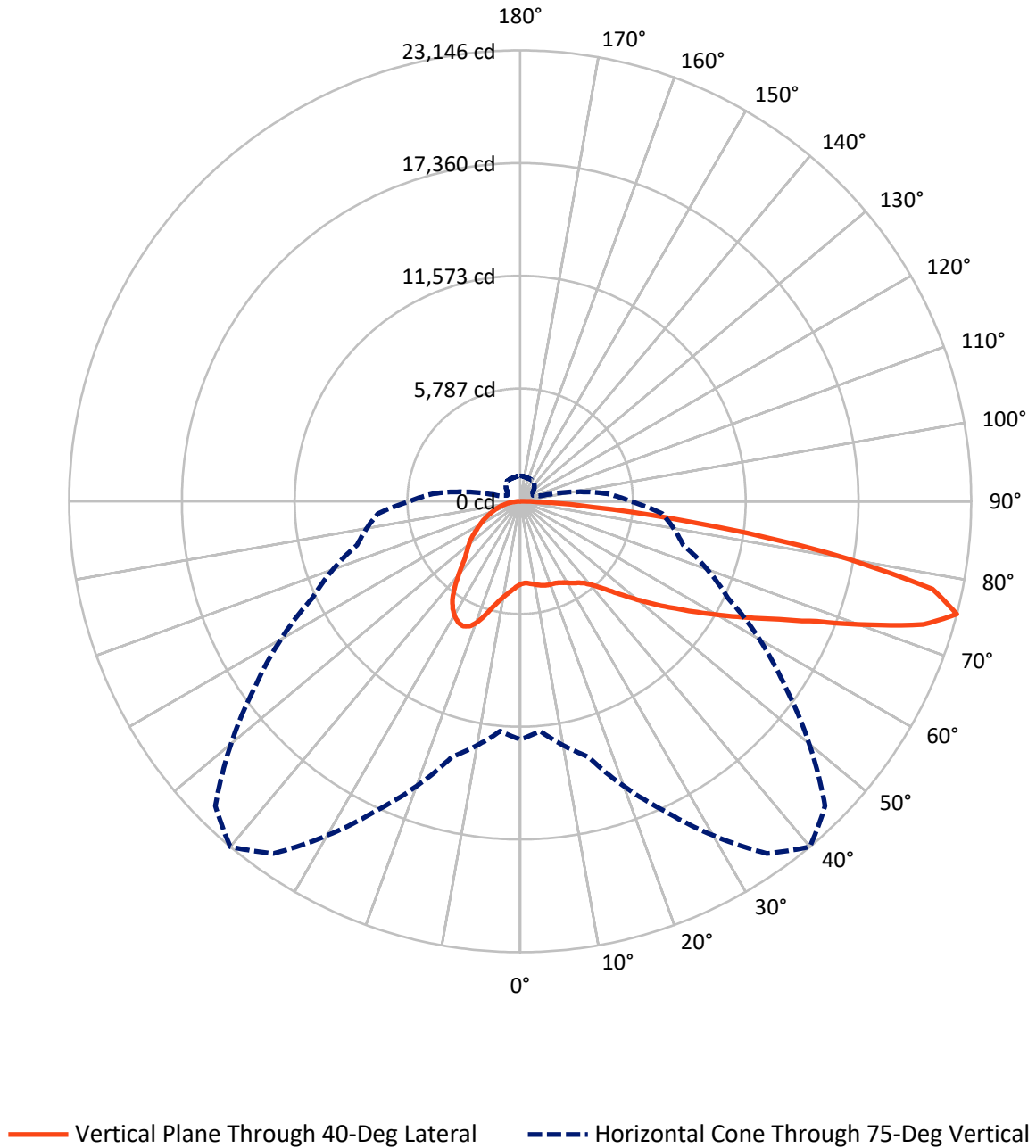
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11522.1	0.0	11522.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	25665.9	0.0	25665.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	37188.0	0.0	37188.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	424.5	1.1
10°-20°	1425.2	3.8
20°-30°	2602.3	7.0
30°-40°	3690.7	9.9
40°-50°	4983.6	13.4
50°-60°	6704.2	18.0
60°-70°	8509.2	22.9
70°-80°	7722.6	20.8
80°-90°	1125.7	3.0
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°	37188.0	100.0
0°-180°	37188.0	100.0

**Coefficient of Utilization**



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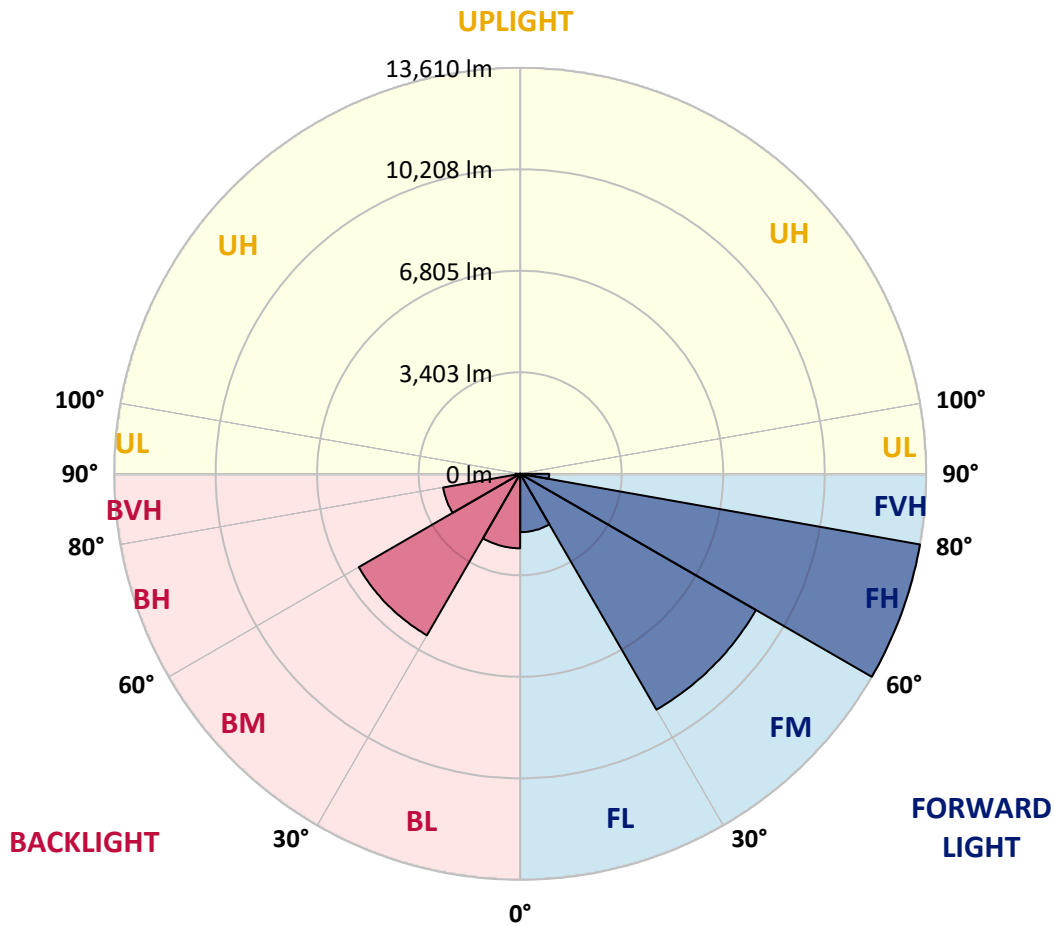
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1956.1	5.3			
FM (30°-60°)	9128.8	24.5			
FH (60°-80°)	13610.2	36.6			G5
FVH (80°-90°)	970.7	2.6			G5
BL (0°-30°)	2495.8	6.7	B3/2500		
BM (30°-60°)	6249.7	16.8	B4/8500		
BH (60°-80°)	2621.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	155.0	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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5
2.5°	4187.4	4211.1	4205.2	4197.3	4197.3	4199.2	4197.3	4211.1	4224.9	4238.7	4260.4
5°	4230.8	4254.5	4242.6	4232.8	4224.9	4222.9	4217.0	4215.0	4222.9	4240.7	4270.2
7.5°	4315.6	4339.3	4321.5	4303.8	4288.0	4280.1	4272.2	4260.4	4254.5	4264.3	4305.8
10°	4410.3	4434.0	4412.3	4380.7	4355.1	4345.2	4337.3	4325.5	4317.6	4323.5	4368.9
12.5°	4505.0	4528.6	4499.0	4455.7	4422.1	4416.2	4406.3	4402.4	4400.4	4398.5	4443.8
15°	4593.7	4613.4	4576.0	4524.7	4489.2	4479.3	4469.5	4475.4	4485.2	4497.1	4548.4
17.5°	4662.8	4682.5	4627.3	4560.2	4526.7	4522.7	4516.8	4536.5	4564.1	4593.7	4656.8
20°	4725.9	4745.6	4674.6	4583.9	4544.4	4544.4	4546.4	4587.8	4627.3	4670.6	4757.4
22.5°	4814.6	4830.4	4743.6	4619.4	4562.2	4566.1	4581.9	4623.3	4672.6	4731.8	4852.1
25°	4946.8	4958.6	4852.1	4686.4	4621.3	4633.2	4647.0	4666.7	4714.0	4783.1	4944.8
27.5°	5159.8	5169.7	5029.6	4804.8	4706.1	4725.9	4745.6	4731.8	4753.5	4812.7	5019.8
30°	5459.6	5465.5	5288.0	4990.2	4850.1	4860.0	4863.9	4806.7	4765.3	4812.7	5073.0
32.5°	5814.6	5812.7	5601.6	5215.0	5013.8	5004.0	4970.5	4858.0	4761.4	4802.8	5120.4
35°	6364.9	6343.2	6071.1	5530.6	5199.3	5138.1	5059.2	4915.2	4781.1	4792.9	5161.8
37.5°	7276.2	7209.1	6832.4	6047.4	5475.4	5319.6	5203.2	5007.9	4824.5	4789.0	5211.1
40°	8303.8	8219.0	7804.8	6755.5	5889.6	5639.1	5451.7	5140.1	4895.5	4806.7	5284.1
42.5°	9522.8	9402.4	8956.7	7589.8	6414.2	6051.3	5769.3	5307.7	5000.0	4863.9	5382.7
45°	11019.8	10860.0	10228.9	8530.6	7075.0	6591.8	6215.0	5562.2	5159.8	4974.4	5530.6
47.5°	12532.6	12572.1	11674.6	9607.6	7867.9	7258.4	6773.2	5944.8	5392.5	5151.9	5769.3
50°	14140.1	14167.8	13112.5	10800.9	8767.3	8011.9	7400.4	6372.8	5716.0	5404.4	6126.3
52.5°	15394.6	15398.5	14418.3	12049.4	9704.2	8840.3	8077.0	6862.0	6090.8	5739.7	6601.6
55°	16179.6	16169.7	15333.4	13230.9	10781.1	9710.1	8826.5	7418.2	6548.4	6134.2	7199.3
57.5°	16749.6	16720.0	15964.6	14246.7	11929.1	10737.8	9674.6	8049.4	7088.8	6603.6	7986.3
60°	16966.6	16948.8	16392.6	15124.4	13136.2	11873.9	10652.9	8755.5	7702.2	7157.8	8998.1
62.5°	17049.4	17083.0	16812.7	15974.5	14428.1	13132.2	11727.9	9599.7	8392.6	7785.1	10065.2
65°	17341.4	17402.5	17347.3	17086.9	15887.7	14605.6	13153.9	10603.6	9146.0	8457.7	11179.6
67.5°	17919.3	17980.4	18004.1	18418.3	17670.7	16441.9	14933.1	11854.1	10027.7	9155.9	12017.8
70°	17905.5	17887.7	18305.9	19477.5	19903.5	18984.4	17331.5	13392.6	11079.0	9735.8	12124.4
72.5°	16298.0	16155.9	17144.1	19465.6	21761.5	21639.2	20260.5	15376.8	11986.3	9806.8	10520.8
75°	12226.9	11848.2	13593.8	17542.5	22071.2	23146.1	22122.5	16607.6	11771.3	8664.8	7321.6
77.5°	5228.8	4848.2	6905.4	12986.3	19753.6	21637.2	20414.4	14489.3	9396.5	5729.8	3595.7
80°	1368.8	1366.9	2086.8	5887.6	13434.0	15978.4	14017.9	9357.1	5368.9	2047.4	992.1
82.5°	566.1	552.3	767.3	2290.0	6564.2	8966.5	7317.6	4173.6	1938.9	554.2	329.4
85°	211.0	209.1	372.8	790.9	2315.6	3698.3	2676.5	1067.1	483.2	270.2	147.9
87.5°	59.2	57.2	80.9	274.2	564.1	856.0	457.6	175.5	136.1	106.5	43.4
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°	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5	4252.5
2.5°	4266.3	4276.2	4293.9	4307.7	4325.5	4345.2	4372.8	4390.6	4408.3	4420.2	4412.3
5°	4284.1	4305.8	4351.1	4396.5	4449.7	4499.0	4556.2	4597.7	4631.2	4641.1	4645.0
7.5°	4323.5	4359.0	4435.9	4512.9	4597.7	4678.5	4761.4	4832.4	4889.6	4911.3	4913.3
10°	4392.5	4439.9	4548.4	4656.8	4769.3	4893.5	5000.0	5102.6	5183.5	5217.0	5219.0
12.5°	4479.3	4538.5	4680.5	4830.4	4986.2	5157.8	5295.9	5422.1	5522.7	5568.1	5568.1
15°	4591.8	4668.7	4850.1	5051.3	5280.1	5518.8	5694.3	5834.4	5946.8	6002.0	5998.1
17.5°	4714.0	4816.6	5045.4	5349.2	5676.6	5990.2	6195.3	6297.9	6414.2	6467.5	6465.5
20°	4832.4	4958.6	5286.0	5727.9	6163.8	6497.1	6662.8	6690.4	6698.3	6704.2	6720.0
22.5°	4954.7	5124.3	5587.8	6205.2	6672.6	6903.4	6927.1	6808.7	6643.0	6566.1	6587.8
25°	5088.8	5313.6	5982.3	6731.8	7110.5	7138.1	6956.7	6668.7	6355.1	6211.1	6232.8
27.5°	5219.0	5532.6	6455.7	7234.8	7426.1	7183.5	6793.0	6384.7	6006.0	5854.1	5871.8
30°	5349.2	5783.1	6978.4	7674.6	7570.1	7071.1	6534.6	6078.9	5698.3	5538.5	5556.3
32.5°	5481.3	6075.0	7579.9	7992.2	7544.4	6832.4	6213.1	5735.7	5400.4	5232.8	5254.5
35°	5631.2	6434.0	8150.0	8165.7	7372.8	6481.3	5789.0	5325.5	5033.6	4899.4	4929.0
37.5°	5826.5	6889.6	8652.9	8209.1	7073.0	5966.5	5262.4	4840.3	4599.6	4538.5	4581.9
40°	6069.1	7437.9	9037.5	8140.1	6629.2	5341.3	4686.4	4349.1	4213.0	4226.9	4274.2
42.5°	6384.7	8051.3	9307.8	7962.6	6011.9	4696.3	4181.5	4031.6	4096.7	4151.9	4203.2
45°	6794.9	8688.4	9475.4	7660.8	5313.6	4149.9	3883.7	3919.2	3968.5	3974.4	4013.8
47.5°	7319.6	9333.4	9585.9	7205.2	4601.6	3765.3	3694.3	3702.2	3692.3	3650.9	3682.5
50°	7974.4	9960.6	9684.5	6601.6	3996.1	3524.7	3430.0	3402.4	3266.3	3132.2	3149.9
52.5°	8720.0	10536.6	9725.9	5852.1	3524.7	3323.5	3169.6	2996.1	2741.6	2700.2	2714.0
55°	9548.4	11069.1	9619.4	4931.0	3128.2	3065.1	2832.4	2623.3	2595.7	2560.2	2566.1
57.5°	10538.5	11643.1	9402.4	3903.4	2721.9	2763.3	2536.5	2560.2	2510.9	2455.6	2445.8
60°	11621.4	12236.8	9021.8	2966.5	2301.8	2386.6	2459.6	2457.6	2443.8	2398.4	2382.7
62.5°	12595.8	12627.3	8272.3	2272.2	1933.0	2094.7	2293.9	2291.9	2280.1	2254.5	2244.6
65°	13175.6	12568.1	7021.7	1789.0	1629.2	1854.1	2069.0	2084.8	2086.8	2084.8	2084.8
67.5°	13073.1	11875.8	5305.8	1424.1	1378.7	1609.5	1846.2	1867.9	1883.6	1887.6	1891.5
70°	11913.3	10355.1	3459.6	1136.1	1155.8	1394.5	1635.1	1656.8	1670.6	1686.4	1694.3
72.5°	9286.1	7613.5	1980.3	919.1	960.6	1209.1	1426.0	1451.7	1459.6	1489.2	1501.0
75°	5658.8	4477.4	1069.0	723.9	789.0	1033.5	1218.9	1248.5	1262.3	1297.8	1301.8
77.5°	2690.4	1938.9	609.5	564.1	635.1	844.2	1029.6	1063.1	1025.6	1045.4	1029.6
80°	909.3	719.9	384.6	430.0	485.2	658.8	824.5	858.0	779.1	775.2	767.3
82.5°	317.6	291.9	244.6	286.0	313.6	471.4	623.3	666.7	579.9	577.9	550.3
85°	124.3	118.3	136.1	155.8	187.4	289.9	410.3	432.0	357.0	288.0	284.0
87.5°	25.6	27.6	33.5	35.5	57.2	100.6	147.9	181.5	144.0	122.3	112.4
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)