

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: P952692

Luminaire Tested: **GALN-SB6C-722-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952692  
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-SB6C-722-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

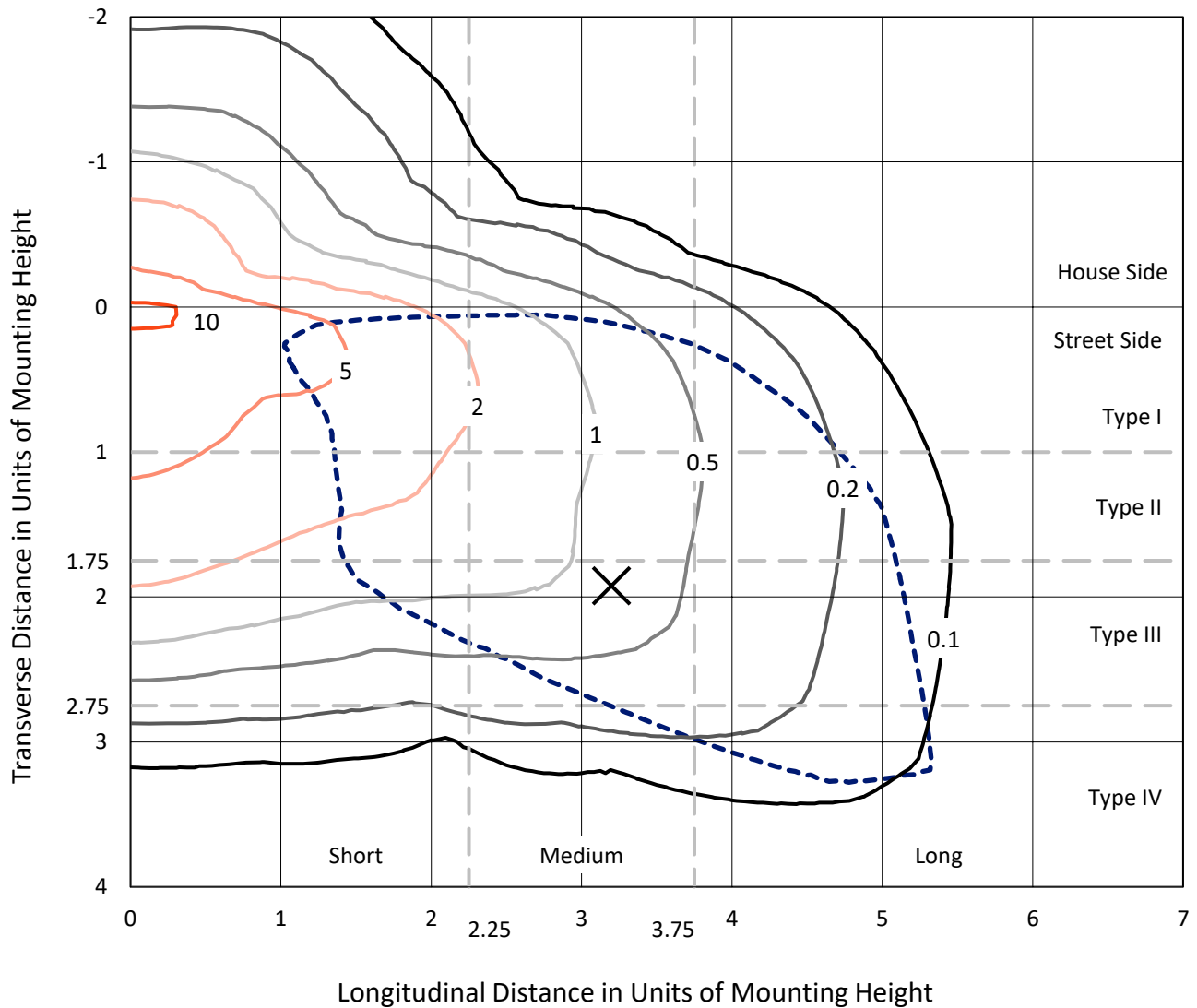
Lumens per Lamp: N/A  
Luminaire Lumens: 36666 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

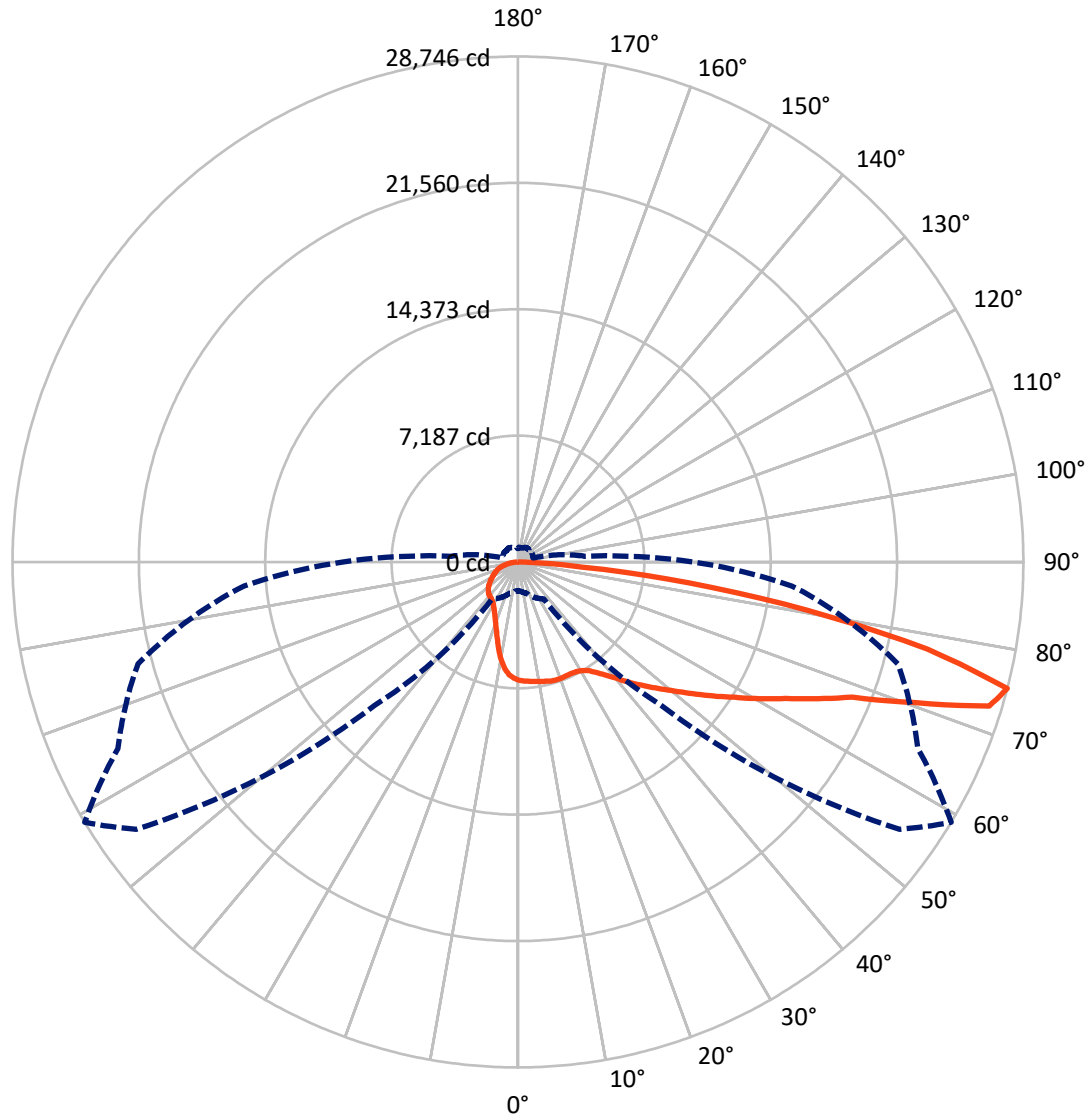
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	6877.0	0.0	6877.0
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	29789.0	0.0	29789.0
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	36666.0	0.0	36666.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	603.4	1.6
10°-20°	1542.5	4.2
20°-30°	2342.9	6.4
30°-40°	3482.6	9.5
40°-50°	5179.3	14.1
50°-60°	7030.2	19.2
60°-70°	8582.7	23.4
70°-80°	6735.6	18.4
80°-90°	1166.8	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°	36666.0	100.0
0°-180°	36666.0	100.0

**Coefficient of Utilization**



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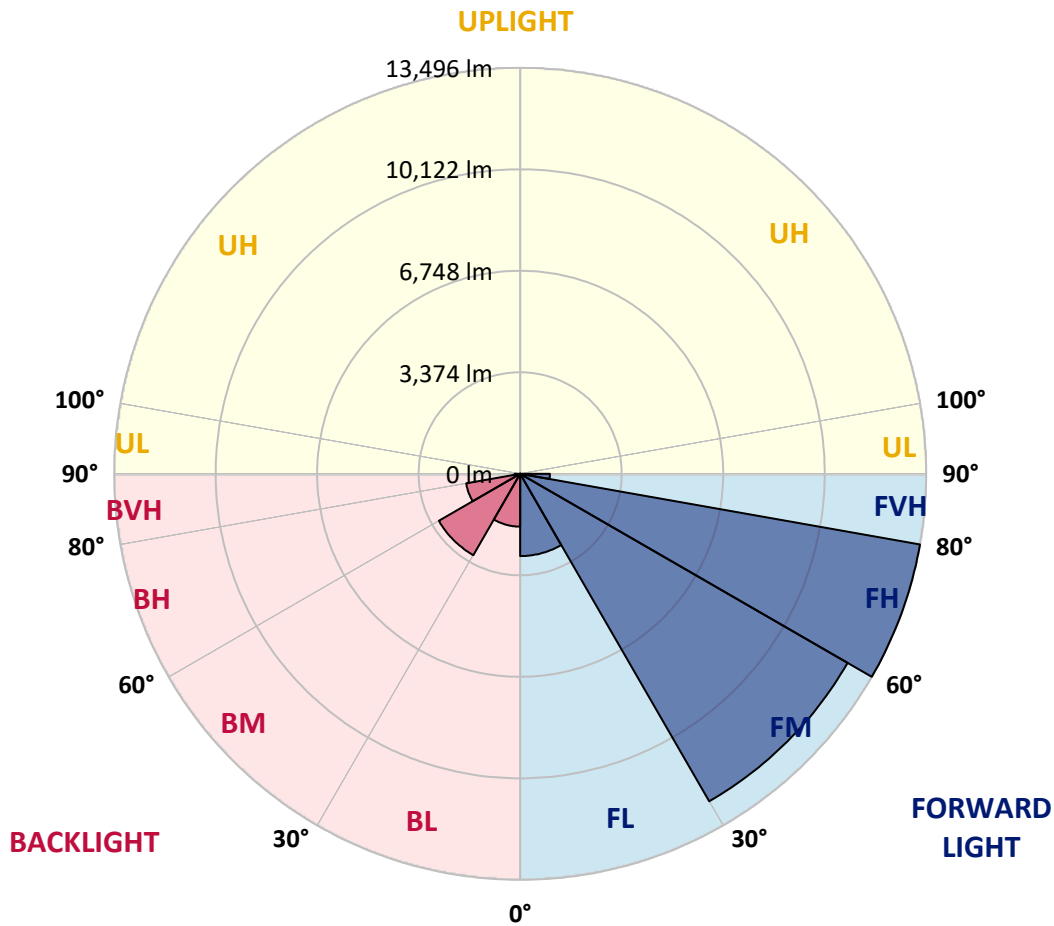
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2733.8	7.5			
FM (30°-60°)	12570.6	34.3			
FH (60°-80°)	13496.4	36.8			G5
FVH (80°-90°)	988.2	2.7			G5
BL (0°-30°)	1754.9	4.8	B3/2500		
BM (30°-60°)	3121.5	8.5	B3/5000		
BH (60°-80°)	1822.0	5.0	B3/2500		G3/2500
BVH (80°-90°)	178.6	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°	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0
2.5°	6787.2	6763.5	6787.2	6777.3	6773.4	6765.5	6767.4	6781.2	6773.4	6783.2	6749.7
5°	6741.8	6728.0	6751.7	6745.7	6771.4	6775.3	6801.0	6816.7	6826.6	6828.6	6802.9
7.5°	6666.8	6653.0	6686.6	6714.2	6769.4	6785.2	6838.4	6864.1	6877.9	6901.6	6864.1
10°	6392.7	6386.8	6469.6	6574.1	6704.3	6785.2	6866.1	6909.5	6931.2	6994.3	6950.9
12.5°	5907.5	5915.3	6023.8	6225.0	6485.4	6745.7	6897.6	6960.7	6994.3	7073.2	7053.4
15°	5443.9	5442.0	5560.3	5775.3	6140.2	6572.2	6913.4	7021.9	7079.1	7195.5	7179.7
17.5°	5175.7	5167.8	5250.6	5414.3	5753.6	6305.9	6874.0	7055.4	7177.7	7323.7	7309.9
20°	5126.4	5110.6	5154.0	5234.9	5475.5	6014.0	6771.4	7055.4	7256.6	7446.0	7438.1
22.5°	5305.9	5280.2	5262.5	5252.6	5359.1	5773.3	6655.0	7031.7	7373.0	7621.5	7607.7
25°	5666.8	5627.4	5536.6	5447.9	5416.3	5664.8	6552.4	7025.8	7546.6	7858.2	7806.9
27.5°	6250.7	6201.3	6017.9	5804.9	5613.6	5720.1	6507.1	7061.3	7737.9	8108.7	8006.1
30°	6974.5	6921.3	6690.5	6363.1	6019.9	5925.2	6564.3	7165.9	7982.5	8442.0	8240.9
32.5°	7623.5	7564.3	7367.1	7033.7	6570.2	6280.2	6745.7	7365.1	8367.1	8905.6	8593.9
35°	8199.4	8130.4	7952.9	7645.2	7244.8	6779.3	7073.2	7718.2	8913.5	9659.0	9073.2
37.5°	8763.5	8682.7	8489.4	8163.9	7883.8	7444.0	7524.9	8171.8	9639.3	10574.2	9708.3
40°	9394.7	9278.4	9043.6	8722.1	8449.9	8223.1	8118.6	8728.0	10377.0	11596.0	10501.3
42.5°	10006.2	9895.7	9615.6	9341.5	9000.2	8935.1	8806.9	9378.9	11183.7	12718.3	11306.0
45°	10665.0	10532.8	10193.6	9846.4	9631.4	9408.5	9473.6	10029.9	11974.7	13862.3	12150.2
47.5°	11282.4	11134.4	10734.0	10347.4	10229.1	9807.0	10085.1	10745.8	12797.2	15022.1	12986.5
50°	11615.7	11469.7	11136.4	10787.3	10694.6	10298.1	10747.8	11532.9	13659.1	16177.9	13789.3
52.5°	11893.8	11736.0	11300.1	11106.8	11079.2	10832.6	11564.4	12432.3	14521.1	17199.7	14564.5
55°	12189.7	12014.1	11457.9	11284.3	11410.6	11432.3	12532.9	13452.0	15432.4	18195.8	15296.3
57.5°	12530.9	12308.0	11609.8	11434.2	11734.0	12134.4	13645.3	14509.3	16327.9	19118.9	15947.2
60°	12852.4	12627.6	11901.7	11672.9	12083.2	12949.1	14921.5	15789.4	17341.7	19941.4	16562.6
62.5°	12915.5	12730.1	12134.4	12132.5	12556.5	13899.8	16432.4	17081.3	18227.3	20754.0	17114.9
65°	11822.8	11706.4	11353.4	12114.7	13235.1	15268.7	18114.9	18734.2	19353.6	21464.1	17600.1
67.5°	8998.3	9014.0	8988.4	10457.9	12686.7	17235.2	20550.8	20503.5	20744.1	22260.9	18158.3
70°	4114.5	4207.2	4810.8	7219.1	10164.0	17462.0	24578.6	23965.1	22489.8	23292.5	18641.5
72.5°	2222.9	2293.9	2540.5	3497.1	6110.6	15525.1	27588.5	28024.4	24811.3	23986.8	18110.9
75°	1631.2	1670.7	1842.3	2222.9	2566.1	11538.8	26509.6	28746.3	25101.3	22367.5	15639.5
77.5°	1220.9	1238.7	1378.7	1761.4	1313.6	6083.0	21182.0	23807.3	21487.8	18377.2	11552.6
80°	885.6	905.3	1009.9	1321.5	921.1	2224.9	14544.8	16710.5	14716.4	11714.3	5757.6
82.5°	611.5	619.3	664.7	899.4	643.0	863.9	8252.7	9799.1	8215.2	4110.6	1554.3
85°	368.8	378.7	398.4	524.7	364.9	410.3	3562.2	3684.5	2455.7	982.3	483.2
87.5°	151.9	161.7	177.5	220.9	144.0	114.4	587.8	737.7	459.6	288.0	149.9
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°	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0	6730.0
2.5°	6739.8	6726.0	6688.5	6637.3	6589.9	6530.7	6505.1	6483.4	6463.7	6426.2	6408.5
5°	6781.2	6743.8	6643.2	6513.0	6365.1	6203.3	6045.5	5937.0	5844.3	5775.3	5718.1
7.5°	6844.4	6773.4	6589.9	6323.6	5984.4	5637.2	5323.6	5100.7	4933.1	4871.9	4765.4
10°	6909.5	6824.6	6505.1	6035.7	5449.8	4915.3	4499.1	4270.3	4136.2	4092.8	4025.7
12.5°	6986.4	6862.1	6373.0	5635.3	4852.2	4266.4	3903.5	3769.3	3700.3	3676.6	3682.5
15°	7098.8	6893.7	6173.7	5134.3	4282.2	3793.0	3558.3	3465.6	3430.1	3428.1	3436.0
17.5°	7183.6	6899.6	5864.1	4597.8	3844.3	3507.0	3313.7	3278.2	3301.9	3337.4	3351.2
20°	7278.3	6846.3	5457.7	4108.6	3536.6	3256.5	3175.6	3199.3	3256.5	3307.8	3325.5
22.5°	7345.4	6749.7	4966.6	3727.9	3270.3	3112.5	3108.6	3157.9	3189.4	3215.1	3228.9
25°	7404.5	6586.0	4445.9	3408.4	3051.4	3025.7	3069.1	3053.3	3031.6	3053.3	3067.1
27.5°	7447.9	6327.6	3980.4	3128.3	2897.5	2966.5	2940.9	2905.4	2903.4	2915.3	2935.0
30°	7434.1	5982.4	3597.7	2862.0	2789.0	2856.1	2794.9	2789.0	2783.1	2789.0	2810.7
32.5°	7434.1	5589.9	3303.8	2678.6	2720.0	2694.4	2688.4	2674.6	2651.0	2649.0	2674.6
35°	7475.5	5197.4	3051.4	2580.0	2662.8	2601.6	2605.6	2572.1	2522.7	2499.1	2522.7
37.5°	7560.4	4881.8	2800.9	2532.6	2562.2	2560.2	2544.4	2487.2	2400.5	2325.5	2351.1
40°	7765.5	4789.1	2629.3	2510.9	2514.9	2538.5	2497.1	2386.7	2189.4	2067.1	2082.9
42.5°	8087.0	4944.9	2591.8	2457.7	2483.3	2507.0	2426.1	2169.7	2029.6	1956.7	1956.7
45°	8495.3	5217.1	2672.7	2380.7	2408.3	2449.8	2209.1	2086.8	2023.7	2025.7	2035.6
47.5°	9012.1	5503.1	2822.6	2313.7	2299.9	2323.5	2065.1	1990.2	1903.4	1925.1	1980.3
50°	9609.7	5793.1	2964.6	2222.9	2179.5	2102.6	1972.4	1901.4	1791.0	1739.7	1753.5
52.5°	10256.7	6073.1	3021.8	2112.5	2049.4	1960.6	1909.3	1822.5	1688.4	1603.6	1601.6
55°	10870.1	6327.6	2958.7	1980.3	1919.2	1850.1	1842.3	1789.0	1645.0	1526.7	1526.7
57.5°	11450.0	6540.6	2800.9	1846.2	1787.0	1745.6	1798.9	1773.2	1591.8	1439.9	1432.0
60°	11941.1	6686.6	2572.1	1710.1	1668.7	1647.0	1727.9	1720.0	1516.8	1347.2	1341.3
62.5°	12331.7	6743.8	2319.6	1579.9	1570.1	1530.6	1629.2	1629.2	1422.1	1256.4	1250.5
65°	12637.4	6688.5	2063.2	1451.7	1471.4	1412.3	1508.9	1497.1	1321.5	1175.6	1167.7
67.5°	12907.6	6507.1	1779.1	1325.5	1370.8	1295.9	1382.7	1355.1	1211.1	1094.7	1086.8
70°	13028.0	6085.0	1455.7	1199.2	1254.5	1181.5	1256.4	1205.2	1086.8	1007.9	992.1
72.5°	12061.5	5057.3	1146.0	1067.1	1114.4	1055.3	1120.3	1061.2	952.7	917.2	887.6
75°	9978.6	3795.0	881.7	923.1	958.6	913.2	956.6	913.2	814.6	840.3	767.3
77.5°	7246.7	2562.2	674.6	771.2	787.0	763.3	800.8	751.5	662.7	656.8	627.2
80°	3603.6	1501.0	528.6	609.5	603.6	587.8	631.2	607.5	532.6	564.1	558.2
82.5°	1043.4	643.0	384.6	428.0	416.2	420.1	451.7	463.5	694.3	688.4	704.2
85°	327.4	252.5	230.8	238.7	226.8	232.7	266.3	528.6	489.2	286.0	309.7
87.5°	84.8	86.8	57.2	61.1	63.1	75.0	84.8	321.5	153.9	100.6	106.5
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)