

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: P954834

Luminaire Tested: **GALN-SB8A-722-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954834  
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-SB8A-722-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

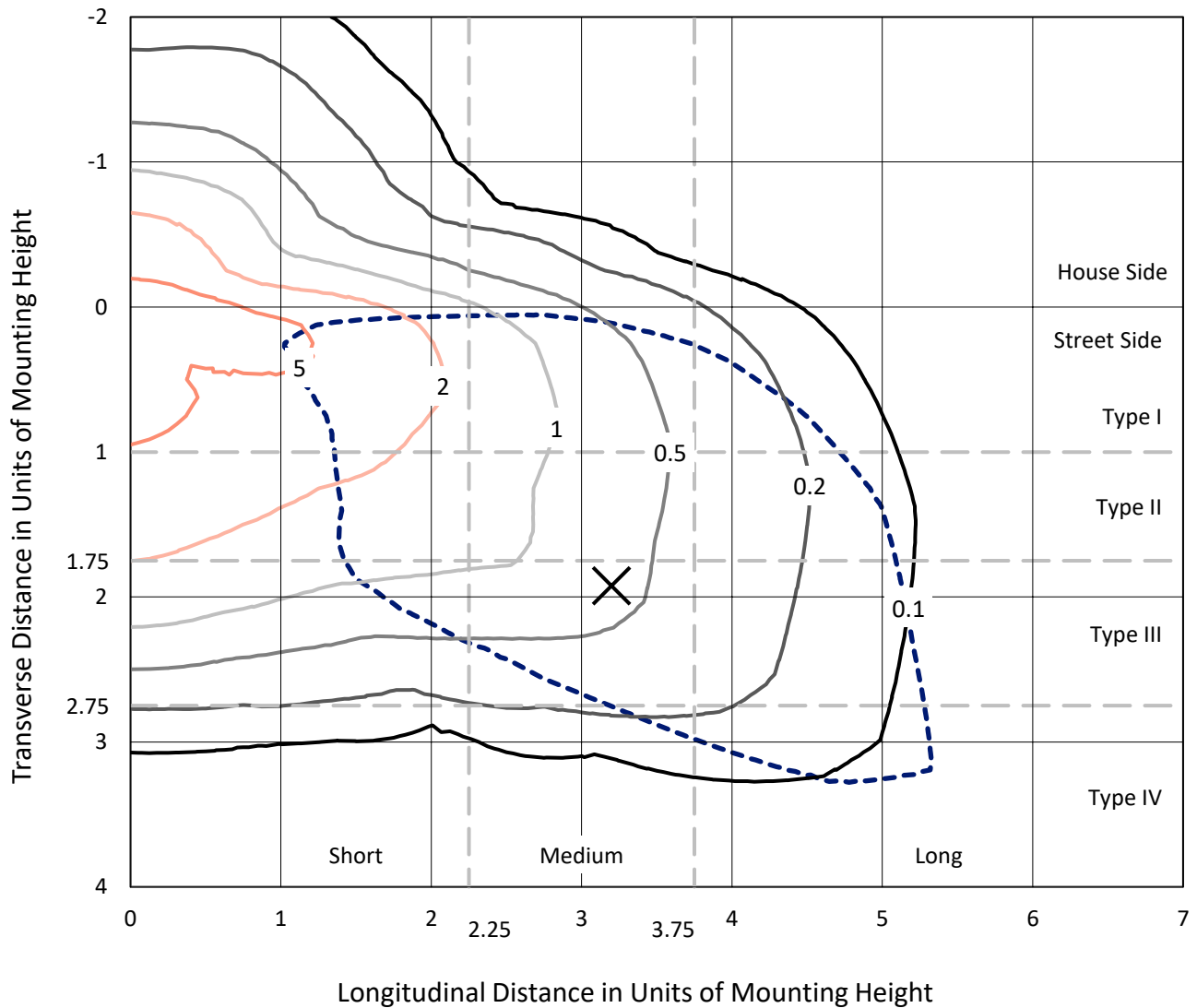
Lumens per Lamp: N/A  
Luminaire Lumens: 29285 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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

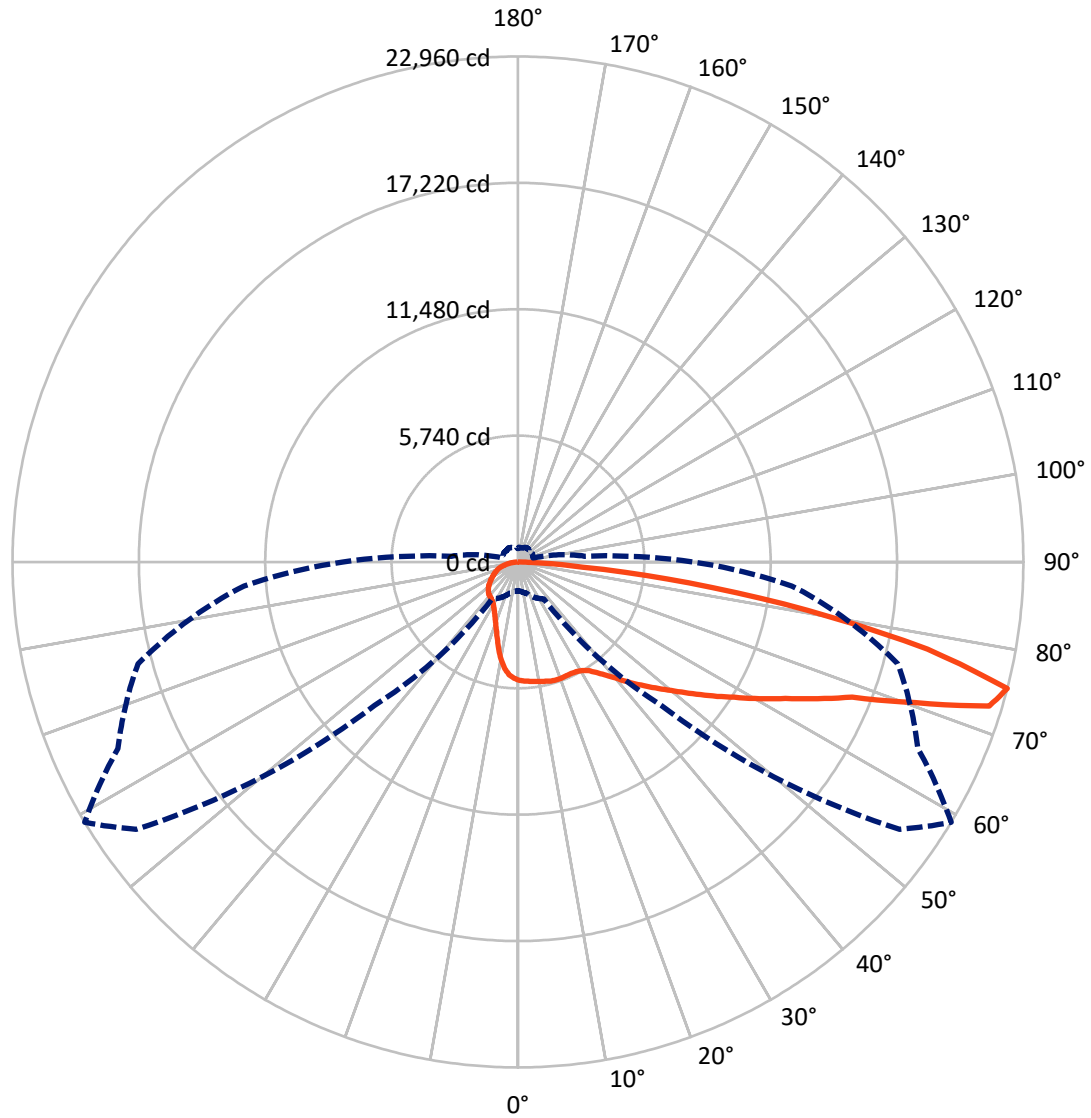
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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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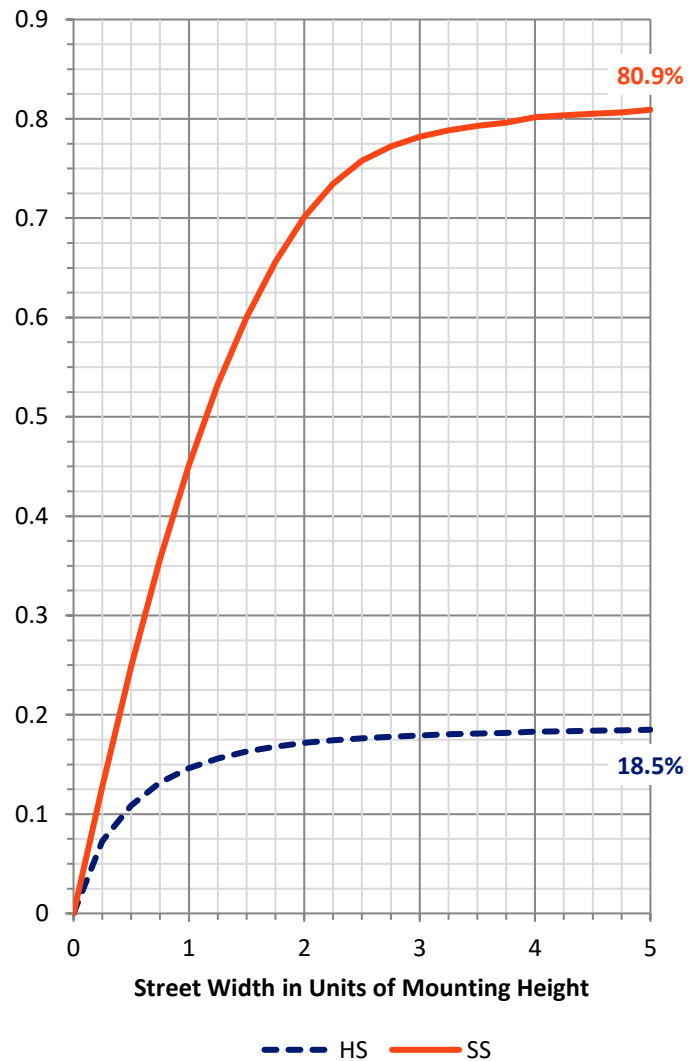
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5492.6	0.0	5492.6
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	23792.4	0.0	23792.4
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	29285.0	0.0	29285.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.0	1.6
10°-20°	1232.0	4.2
20°-30°	1871.2	6.4
30°-40°	2781.5	9.5
40°-50°	4136.7	14.1
50°-60°	5615.0	19.2
60°-70°	6855.0	23.4
70°-80°	5379.7	18.4
80°-90°	931.9	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°	29285.0	100.0
0°-180°	29285.0	100.0

**Coefficient of Utilization**



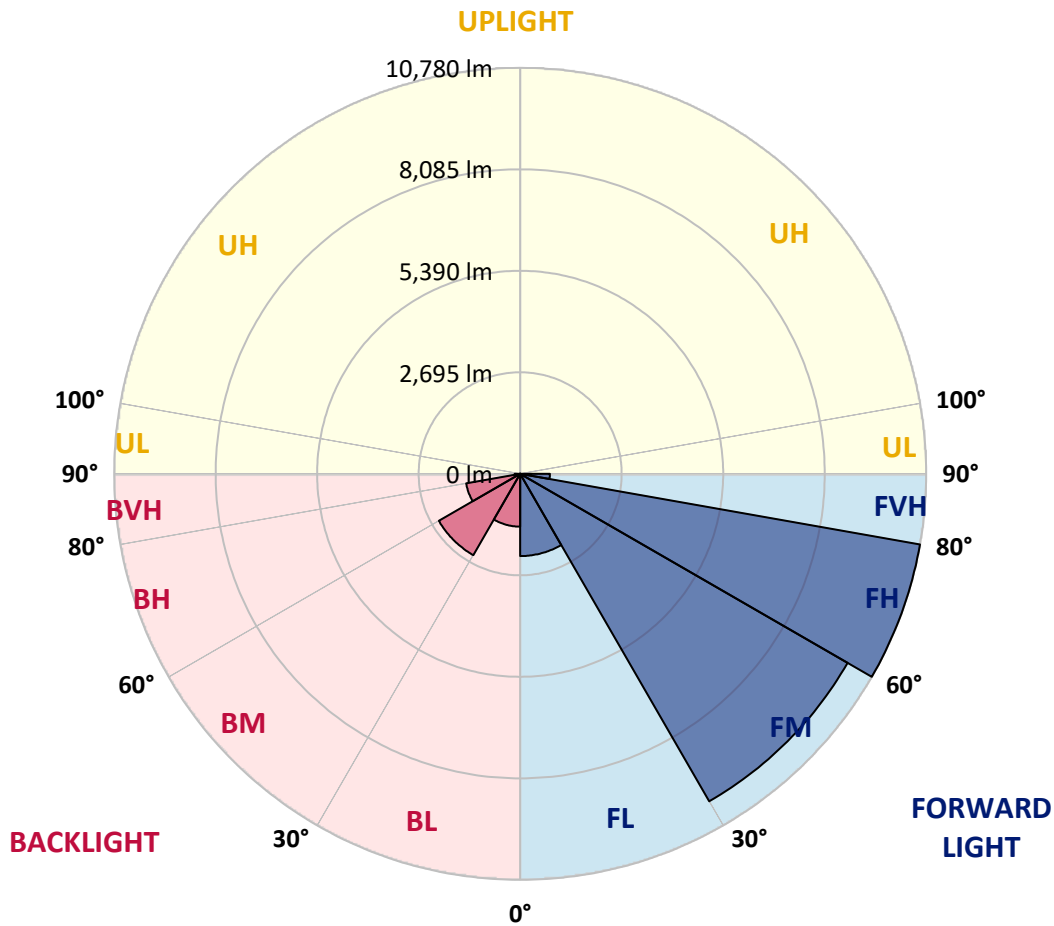
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2183.5	7.5			
FM (30°-60°)	10040.1	34.3			
FH (60°-80°)	10779.5	36.8			G4/12000
FVH (80°-90°)	789.2	2.7			G5
BL (0°-30°)	1401.7	4.8	B3/2500		
BM (30°-60°)	2493.1	8.5	B2/2500		
BH (60°-80°)	1455.2	5.0	B3/2500		G3/2500
BVH (80°-90°)	142.7	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°	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2
2.5°	5420.9	5402.0	5420.9	5413.0	5409.9	5403.6	5405.1	5416.2	5409.9	5417.7	5391.0
5°	5384.6	5373.6	5392.5	5387.8	5408.3	5411.4	5431.9	5444.5	5452.4	5454.0	5433.5
7.5°	5324.8	5313.8	5340.5	5362.6	5406.7	5419.3	5461.8	5482.3	5493.3	5512.3	5482.3
10°	5105.8	5101.1	5167.2	5250.7	5354.7	5419.3	5483.9	5518.6	5535.9	5586.3	5551.6
12.5°	4718.3	4724.6	4811.2	4971.9	5179.8	5387.8	5509.1	5559.5	5586.3	5649.3	5633.6
15°	4348.0	4346.5	4441.0	4612.7	4904.2	5249.2	5521.7	5608.4	5654.0	5747.0	5734.4
17.5°	4133.8	4127.5	4193.7	4324.4	4595.4	5036.5	5490.2	5635.1	5732.8	5849.4	5838.4
20°	4094.4	4081.8	4116.5	4181.1	4373.3	4803.3	5408.3	5635.1	5795.8	5947.1	5940.8
22.5°	4237.8	4217.3	4203.1	4195.2	4280.3	4611.1	5315.3	5616.2	5888.8	6087.3	6076.2
25°	4526.1	4494.6	4422.1	4351.2	4326.0	4524.5	5233.4	5611.5	6027.4	6276.3	6235.4
27.5°	4992.4	4953.0	4806.5	4636.3	4483.5	4568.6	5197.2	5639.9	6180.2	6476.4	6394.5
30°	5570.5	5528.0	5343.7	5082.2	4808.1	4732.4	5242.9	5723.4	6375.6	6742.6	6581.9
32.5°	6088.8	6041.6	5884.0	5617.8	5247.6	5016.0	5387.8	5882.5	6682.8	7112.8	6863.9
35°	6548.9	6493.7	6351.9	6106.2	5786.4	5414.6	5649.3	6164.5	7119.1	7714.6	7246.7
37.5°	6999.4	6934.8	6780.4	6520.5	6296.8	5945.5	6010.1	6526.8	7698.9	8445.6	7754.0
40°	7503.5	7410.6	7223.1	6966.3	6748.9	6567.8	6484.3	6971.1	8288.1	9261.7	8387.3
42.5°	7991.9	7903.7	7680.0	7461.0	7188.5	7136.5	7034.1	7490.9	8932.4	10158.1	9030.1
45°	8518.1	8412.5	8141.6	7864.3	7692.6	7514.6	7566.6	8010.8	9564.1	11071.8	9704.3
47.5°	9011.2	8893.0	8573.2	8264.4	8169.9	7832.8	8054.9	8582.7	10221.1	11998.1	10372.3
50°	9277.4	9160.8	8894.6	8615.8	8541.7	8225.1	8584.2	9211.2	10909.5	12921.3	11013.5
52.5°	9499.5	9373.5	9025.4	8871.0	8848.9	8652.0	9236.5	9929.6	11597.9	13737.3	11632.6
55°	9735.8	9595.6	9151.4	9012.7	9113.6	9130.9	10010.0	10744.1	12325.8	14532.9	12217.1
57.5°	10008.4	9830.4	9272.7	9132.5	9371.9	9691.7	10898.5	11588.5	13041.0	15270.2	12736.9
60°	10265.2	10085.6	9505.8	9323.1	9650.8	10342.4	11917.7	12610.9	13850.7	15927.1	13228.5
62.5°	10315.6	10167.5	9691.7	9690.2	10028.9	11101.7	13124.5	13642.8	14558.1	16576.1	13669.6
65°	9442.8	9349.9	9067.9	9676.0	10570.8	12195.0	14468.3	14963.0	15457.6	17143.3	14057.1
67.5°	7186.9	7199.5	7179.0	8352.7	10132.8	13765.7	16413.9	16376.1	16568.3	17779.7	14502.9
70°	3286.2	3360.3	3842.4	5765.9	8117.9	13946.8	19630.8	19140.9	17962.5	18603.7	14888.9
72.5°	1775.5	1832.2	2029.1	2793.1	4880.5	12399.8	22034.8	22383.0	19816.7	19158.2	14465.1
75°	1302.8	1334.3	1471.4	1775.5	2049.6	9216.0	21173.1	22959.6	20048.3	17864.8	12491.2
77.5°	975.2	989.3	1101.2	1406.8	1049.2	4858.5	16918.0	19014.8	17162.2	14677.8	9227.0
80°	707.3	723.1	806.6	1055.5	735.7	1777.0	11616.9	13346.6	11753.9	9356.2	4598.5
82.5°	488.4	494.7	530.9	718.4	513.6	690.0	6591.4	7826.5	6561.5	3283.1	1241.4
85°	294.6	302.5	318.2	419.1	291.4	327.7	2845.1	2942.8	1961.3	784.5	386.0
87.5°	121.3	129.2	141.8	176.4	115.0	91.4	469.5	589.2	367.1	230.0	119.7
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°	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2	5375.2
2.5°	5383.1	5372.0	5342.1	5301.2	5263.3	5216.1	5195.6	5178.3	5162.5	5132.6	5118.4
5°	5416.2	5386.2	5305.9	5201.9	5083.8	4954.6	4828.5	4741.9	4667.9	4612.7	4567.0
7.5°	5466.6	5409.9	5263.3	5050.7	4779.7	4502.4	4252.0	4073.9	3940.0	3891.2	3806.1
10°	5518.6	5450.8	5195.6	4820.7	4352.8	3925.8	3593.4	3410.7	3303.6	3268.9	3215.4
12.5°	5580.0	5480.7	5090.1	4500.9	3875.4	3407.5	3117.7	3010.6	2955.4	2936.5	2941.2
15°	5669.8	5506.0	4930.9	4100.7	3420.1	3029.5	2842.0	2767.9	2739.6	2738.0	2744.3
17.5°	5737.5	5510.7	4683.6	3672.2	3070.4	2801.0	2646.6	2618.3	2637.2	2665.5	2676.6
20°	5813.2	5468.1	4359.1	3281.5	2824.7	2601.0	2536.4	2555.3	2601.0	2641.9	2656.1
22.5°	5866.7	5391.0	3966.8	2977.5	2612.0	2485.9	2482.8	2522.2	2547.4	2567.9	2578.9
25°	5914.0	5260.2	3550.9	2722.3	2437.1	2416.6	2451.3	2438.7	2421.4	2438.7	2449.7
27.5°	5948.6	5053.8	3179.1	2498.6	2314.2	2369.4	2348.9	2320.5	2319.0	2328.4	2344.2
30°	5937.6	4778.1	2873.5	2285.9	2227.6	2281.2	2232.3	2227.6	2222.9	2227.6	2244.9
32.5°	5937.6	4464.6	2638.8	2139.4	2172.4	2152.0	2147.2	2136.2	2117.3	2115.7	2136.2
35°	5970.7	4151.1	2437.1	2060.6	2126.8	2077.9	2081.1	2054.3	2014.9	1996.0	2014.9
37.5°	6038.4	3899.1	2237.0	2022.8	2046.4	2044.8	2032.2	1986.6	1917.2	1857.4	1877.9
40°	6202.3	3825.0	2100.0	2005.5	2008.6	2027.5	1994.4	1906.2	1748.7	1651.0	1663.6
42.5°	6459.1	3949.5	2070.0	1962.9	1983.4	2002.3	1937.7	1732.9	1621.1	1562.8	1562.8
45°	6785.2	4166.9	2134.6	1901.5	1923.5	1956.6	1764.4	1666.8	1616.3	1617.9	1625.8
47.5°	7197.9	4395.3	2254.4	1847.9	1836.9	1855.8	1649.4	1589.6	1520.2	1537.6	1581.7
50°	7675.3	4626.9	2367.8	1775.5	1740.8	1679.4	1575.4	1518.7	1430.4	1389.5	1400.5
52.5°	8192.0	4850.6	2413.5	1687.2	1636.8	1565.9	1525.0	1455.7	1348.5	1280.8	1279.2
55°	8681.9	5053.8	2363.1	1581.7	1532.8	1477.7	1471.4	1428.9	1313.9	1219.3	1219.3
57.5°	9145.1	5224.0	2237.0	1474.6	1427.3	1394.2	1436.7	1416.3	1271.3	1150.0	1143.7
60°	9537.4	5340.5	2054.3	1365.9	1332.8	1315.4	1380.0	1373.7	1211.5	1076.0	1071.3
62.5°	9849.3	5386.2	1852.6	1261.9	1254.0	1222.5	1301.3	1301.3	1135.8	1003.5	998.8
65°	10093.5	5342.1	1647.8	1159.5	1175.2	1128.0	1205.2	1195.7	1055.5	938.9	932.6
67.5°	10309.3	5197.2	1421.0	1058.7	1094.9	1035.0	1104.3	1082.3	967.3	874.3	868.0
70°	10405.4	4860.0	1162.6	957.8	1001.9	943.7	1003.5	962.6	868.0	805.0	792.4
72.5°	9633.4	4039.3	915.3	852.3	890.1	842.8	894.8	847.6	760.9	732.6	708.9
75°	7969.8	3031.0	704.2	737.3	765.6	729.4	764.1	729.4	650.6	671.1	612.8
77.5°	5787.9	2046.4	538.8	616.0	628.6	609.7	639.6	600.2	529.3	524.6	501.0
80°	2878.2	1198.9	422.2	486.8	482.1	469.5	504.1	485.2	425.4	450.6	445.8
82.5°	833.4	513.6	307.2	341.9	332.4	335.6	360.8	370.2	554.5	549.8	562.4
85°	261.5	201.6	184.3	190.6	181.2	185.9	212.7	422.2	390.7	228.4	247.3
87.5°	67.7	69.3	45.7	48.8	50.4	59.9	67.7	256.8	122.9	80.3	85.1
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)