

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: P951621

Luminaire Tested: **GALN-SB5D-722-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951621  
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-SB5D-722-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

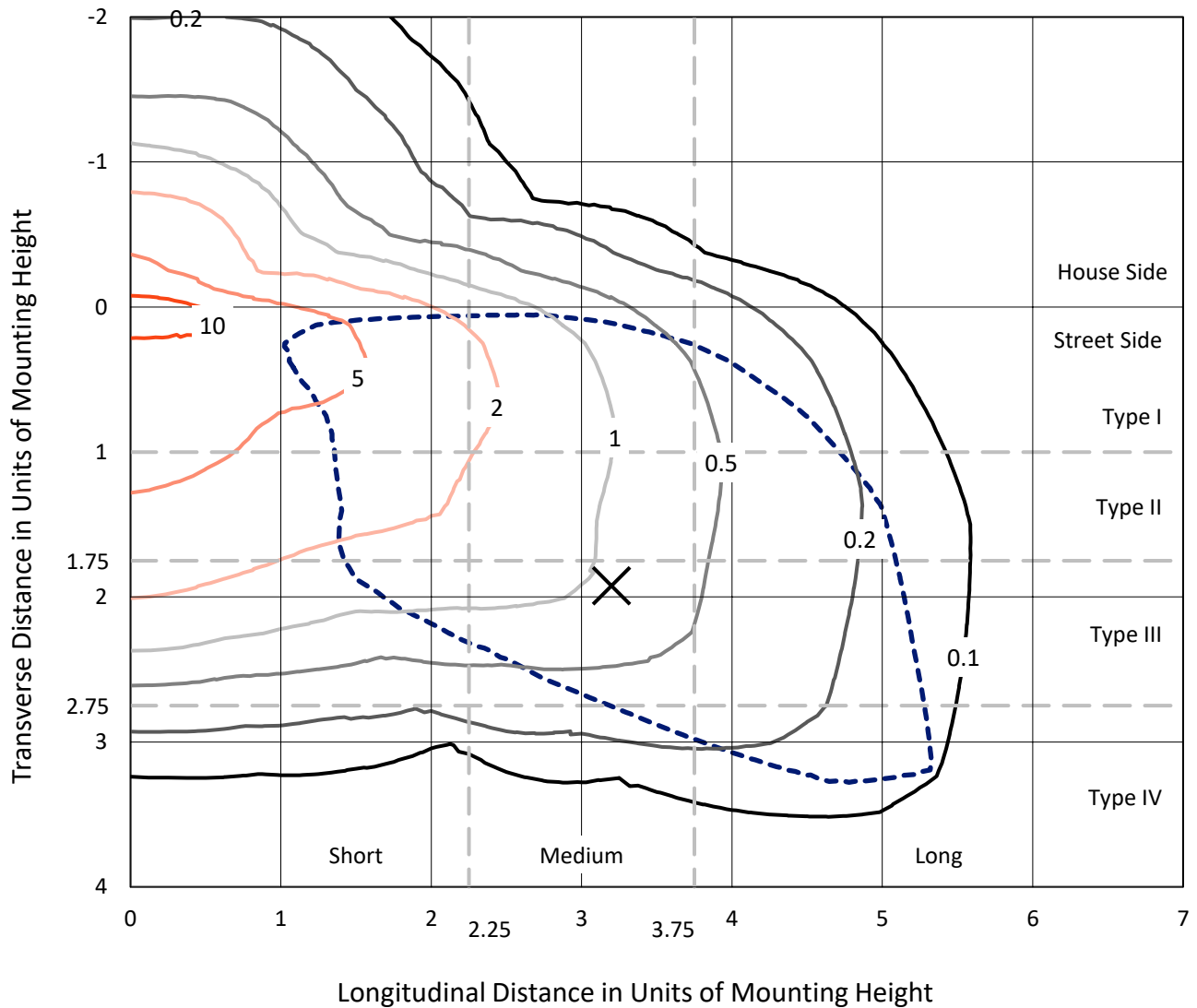
Lumens per Lamp: N/A  
Luminaire Lumens: 41501 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

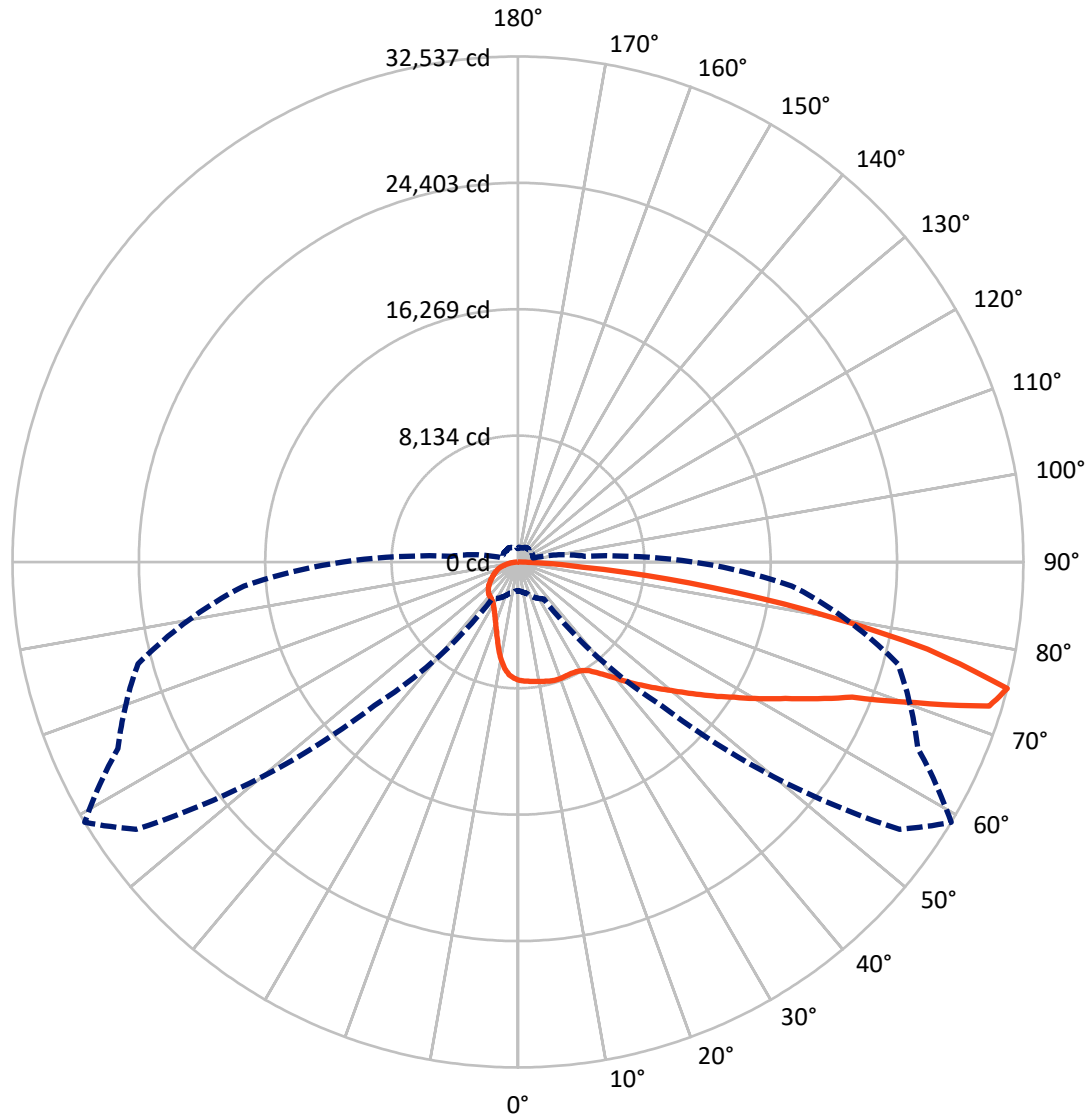
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 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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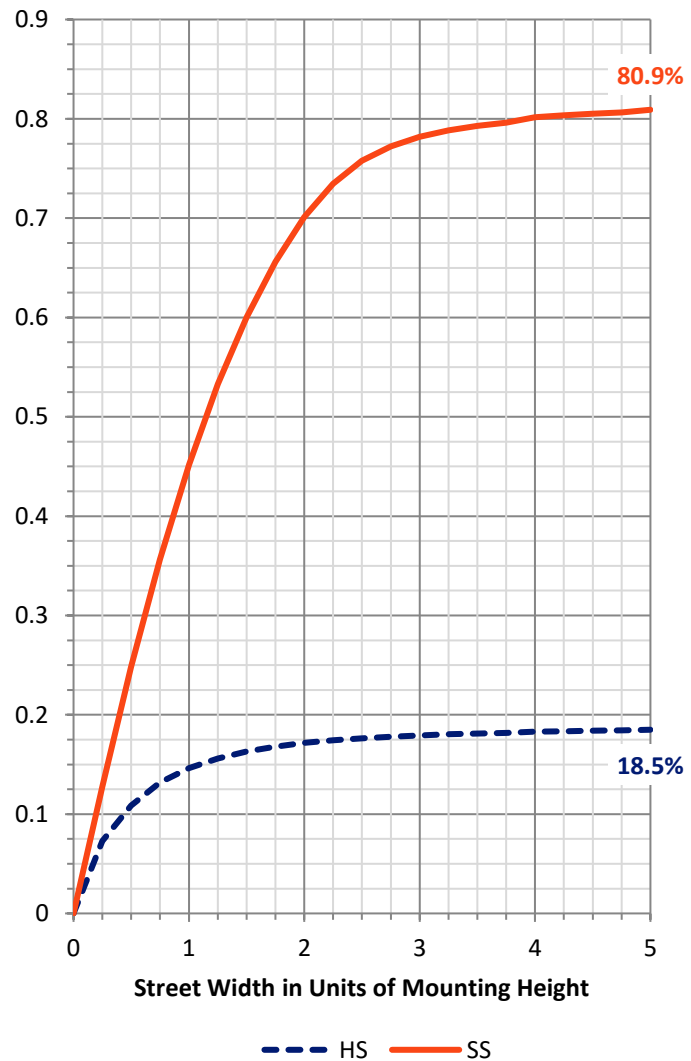
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7783.8	0.0	7783.8
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	33717.2	0.0	33717.2
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	41501.0	0.0	41501.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	683.0	1.6
10°-20°	1745.9	4.2
20°-30°	2651.8	6.4
30°-40°	3941.8	9.5
40°-50°	5862.2	14.1
50°-60°	7957.3	19.2
60°-70°	9714.5	23.4
70°-80°	7623.8	18.4
80°-90°	1320.6	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°	41501.0	100.0
0°-180°	41501.0	100.0

**Coefficient of Utilization**



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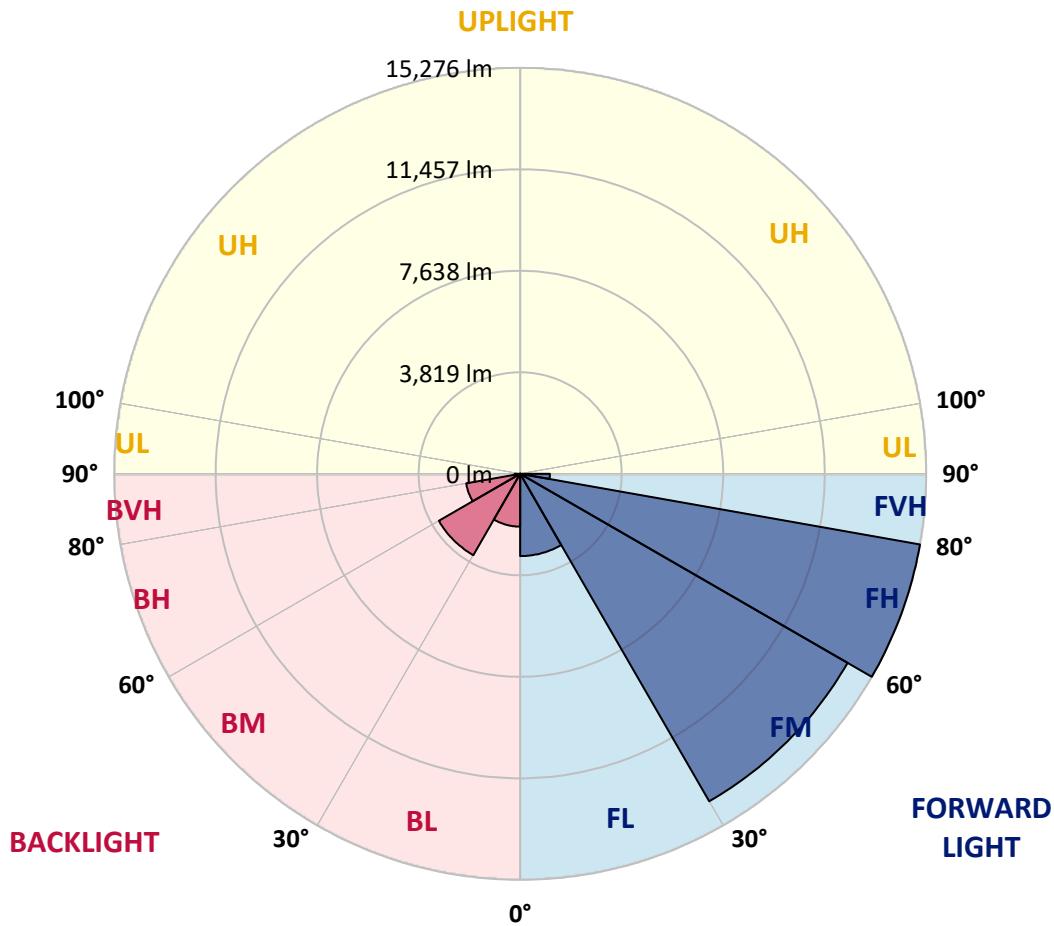
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3094.3	7.5			
FM (30°-60°)	14228.3	34.3			
FH (60°-80°)	15276.1	36.8			G5
FVH (80°-90°)	1118.5	2.7			G5
BL (0°-30°)	1986.3	4.8	B3/2500		
BM (30°-60°)	3533.1	8.5	B3/5000		
BH (60°-80°)	2062.2	5.0	B3/2500		G3/2500
BVH (80°-90°)	202.2	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°	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4
2.5°	7682.2	7655.4	7682.2	7671.0	7666.5	7657.6	7659.8	7675.5	7666.5	7677.7	7639.7
5°	7630.8	7615.2	7642.0	7635.3	7664.3	7668.8	7697.8	7715.6	7726.8	7729.0	7700.0
7.5°	7546.0	7530.3	7568.3	7599.6	7662.1	7679.9	7740.2	7769.2	7784.9	7811.6	7769.2
10°	7235.7	7229.0	7322.7	7441.0	7588.4	7679.9	7771.5	7820.6	7845.1	7916.6	7867.5
12.5°	6686.4	6695.4	6818.2	7045.9	7340.6	7635.3	7807.2	7878.6	7916.6	8005.9	7983.6
15°	6161.8	6159.6	6293.5	6536.9	6949.9	7438.8	7825.0	7947.8	8012.6	8144.3	8126.4
17.5°	5858.2	5849.2	5943.0	6128.3	6512.3	7137.4	7780.4	7985.8	8124.2	8289.4	8273.8
20°	5802.4	5784.5	5833.6	5925.2	6197.5	6807.0	7664.3	7985.8	8213.5	8427.8	8418.9
22.5°	6005.5	5976.5	5956.4	5945.2	6065.8	6534.6	7532.6	7959.0	8345.2	8626.5	8610.9
25°	6414.1	6369.4	6266.7	6166.3	6130.5	6411.8	7416.5	7952.3	8541.7	8894.4	8836.4
27.5°	7074.9	7019.1	6811.5	6570.4	6353.8	6474.4	7365.1	7992.5	8758.2	9178.0	9061.9
30°	7894.3	7834.0	7572.8	7202.2	6813.7	6706.5	7429.9	8110.8	9035.1	9555.3	9327.5
32.5°	8628.8	8561.8	8338.5	7961.2	7436.6	7108.4	7635.3	8336.3	9470.4	10079.9	9727.2
35°	9280.7	9202.5	9001.6	8653.3	8200.1	7673.2	8005.9	8735.9	10088.8	10932.7	10269.7
37.5°	9919.2	9827.6	9608.8	9240.5	8923.5	8425.6	8517.1	9249.4	10910.4	11968.6	10988.5
40°	10633.6	10501.9	10236.2	9872.3	9564.2	9307.4	9189.1	9879.0	11745.4	13125.1	11886.0
42.5°	11325.7	11200.6	10883.6	10573.3	10187.1	10113.4	9968.3	10615.7	12658.5	14395.4	12796.9
45°	12071.3	11921.7	11537.8	11144.8	10901.5	10649.2	10722.9	11352.5	13553.7	15690.3	13752.4
47.5°	12770.1	12602.7	12149.5	11711.9	11577.9	11100.2	11415.0	12162.9	14484.7	17003.0	14699.0
50°	13147.4	12982.2	12604.9	12209.7	12104.8	11656.1	12165.1	13053.6	15460.3	18311.3	15607.7
52.5°	13462.2	13283.6	12790.2	12571.4	12540.2	12261.1	13089.4	14071.7	16435.9	19467.7	16485.1
55°	13797.1	13598.4	12968.8	12772.3	12915.2	12939.8	14185.5	15225.9	17467.4	20595.2	17313.3
57.5°	14183.3	13931.0	13140.7	12942.0	13281.4	13734.6	15444.7	16422.5	18480.9	21640.0	18050.1
60°	14547.2	14292.7	13471.1	13212.2	13676.5	14656.6	16889.1	17871.5	19628.5	22570.9	18746.6
62.5°	14618.7	14408.8	13734.6	13732.3	14212.3	15732.7	18599.3	19333.8	20630.9	23490.8	19371.7
65°	13381.8	13250.1	12850.5	13712.2	14980.3	17282.1	20503.6	21204.6	21905.7	24294.5	19920.9
67.5°	10184.8	10202.7	10173.7	11836.9	14359.7	19507.9	23260.8	23207.2	23479.6	25196.4	20552.7
70°	4657.1	4762.0	5445.2	8171.1	11504.3	19764.6	27819.6	27125.3	25455.4	26364.0	21099.7
72.5°	2516.1	2596.4	2875.5	3958.3	6916.4	17572.3	31226.5	31719.9	28083.1	27149.9	20499.2
75°	1846.3	1891.0	2085.2	2516.1	2904.5	13060.3	30005.3	32537.0	28411.3	25317.0	17701.8
77.5°	1381.9	1402.0	1560.5	1993.7	1486.9	6885.1	23975.2	26946.7	24321.3	20800.5	13076.0
80°	1002.4	1024.7	1143.1	1495.8	1042.6	2518.3	16462.7	18914.1	16657.0	13259.0	6516.8
82.5°	692.1	701.0	752.4	1018.0	727.8	977.9	9340.9	11091.2	9298.5	4652.6	1759.2
85°	417.5	428.6	451.0	593.9	413.0	464.4	4032.0	4170.4	2779.5	1111.8	547.0
87.5°	171.9	183.1	200.9	250.0	163.0	129.5	665.3	835.0	520.2	326.0	169.7
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°	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4	7617.4
2.5°	7628.6	7613.0	7570.5	7512.5	7458.9	7391.9	7362.9	7338.3	7316.0	7273.6	7253.5
5°	7675.5	7633.0	7519.2	7371.8	7204.4	7021.3	6842.7	6719.9	6615.0	6536.9	6472.1
7.5°	7746.9	7666.5	7458.9	7157.5	6773.5	6380.6	6025.6	5773.3	5583.6	5514.4	5393.8
10°	7820.6	7724.6	7362.9	6831.6	6168.5	5563.5	5092.4	4833.4	4681.6	4632.5	4556.6
12.5°	7907.6	7767.0	7213.3	6378.4	5492.0	4829.0	4418.2	4266.4	4188.2	4161.4	4168.1
15°	8034.9	7802.7	6987.8	5811.3	4846.8	4293.2	4027.5	3922.6	3882.4	3880.1	3889.1
17.5°	8130.9	7809.4	6637.3	5204.0	4351.2	3969.5	3750.7	3710.5	3737.3	3777.5	3793.1
20°	8238.1	7749.1	6177.4	4650.4	4002.9	3685.9	3594.4	3621.2	3685.9	3744.0	3764.1
22.5°	8314.0	7639.7	5621.5	4219.5	3701.5	3522.9	3518.5	3574.3	3610.0	3639.0	3654.7
25°	8380.9	7454.4	5032.1	3857.8	3453.7	3424.7	3473.8	3456.0	3431.4	3456.0	3471.6
27.5°	8430.1	7162.0	4505.3	3540.8	3279.6	3357.7	3328.7	3288.5	3286.3	3299.7	3322.0
30°	8414.4	6771.3	4072.1	3239.4	3156.8	3232.7	3163.5	3156.8	3150.1	3156.8	3181.4
32.5°	8414.4	6327.0	3739.5	3031.8	3078.7	3049.6	3042.9	3027.3	3000.5	2998.3	3027.3
35°	8461.3	5882.7	3453.7	2920.2	3013.9	2944.7	2949.2	2911.2	2855.4	2828.6	2855.4
37.5°	8557.3	5525.5	3170.2	2866.6	2900.1	2897.8	2880.0	2815.2	2717.0	2632.2	2661.2
40°	8789.5	5420.6	2976.0	2842.0	2846.5	2873.3	2826.4	2701.4	2478.1	2339.7	2357.6
42.5°	9153.4	5597.0	2933.6	2781.7	2810.8	2837.6	2746.0	2455.8	2297.3	2214.7	2214.7
45°	9615.5	5905.1	3025.1	2694.7	2725.9	2772.8	2500.4	2362.0	2290.6	2292.8	2304.0
47.5°	10200.5	6228.8	3194.8	2618.8	2603.1	2629.9	2337.5	2252.6	2154.4	2179.0	2241.5
50°	10876.9	6557.0	3355.5	2516.1	2467.0	2379.9	2232.5	2152.2	2027.1	1969.1	1984.7
52.5°	11609.2	6874.0	3420.2	2391.0	2319.6	2219.1	2161.1	2062.9	1911.1	1815.1	1812.8
55°	12303.5	7162.0	3348.8	2241.5	2172.3	2094.1	2085.2	2024.9	1861.9	1728.0	1728.0
57.5°	12959.9	7403.1	3170.2	2089.7	2022.7	1975.8	2036.1	2007.1	1801.7	1629.8	1620.8
60°	13515.8	7568.3	2911.2	1935.6	1888.7	1864.2	1955.7	1946.8	1716.8	1524.8	1518.1
62.5°	13957.8	7633.0	2625.5	1788.3	1777.1	1732.4	1844.1	1844.1	1609.7	1422.1	1415.4
65°	14303.9	7570.5	2335.2	1643.1	1665.5	1598.5	1707.9	1694.5	1495.8	1330.6	1321.7
67.5°	14609.7	7365.1	2013.7	1500.3	1551.6	1466.8	1565.0	1533.8	1370.8	1239.1	1230.1
70°	14745.9	6887.4	1647.6	1357.4	1419.9	1337.3	1422.1	1364.1	1230.1	1140.8	1123.0
72.5°	13652.0	5724.2	1297.1	1207.8	1261.4	1194.4	1268.1	1201.1	1078.3	1038.1	1004.6
75°	11294.4	4295.4	997.9	1044.8	1085.0	1033.7	1082.8	1033.7	922.0	951.1	868.5
77.5°	8202.3	2900.1	763.5	872.9	890.8	864.0	906.4	850.6	750.1	743.4	709.9
80°	4078.8	1699.0	598.3	689.9	683.2	665.3	714.4	687.6	602.8	638.5	631.8
82.5°	1181.0	727.8	435.3	484.5	471.1	475.5	511.3	524.6	785.9	779.2	797.0
85°	370.6	285.8	261.2	270.1	256.7	263.4	301.4	598.3	553.7	323.7	350.5
87.5°	96.0	98.2	64.7	69.2	71.4	84.8	96.0	363.9	174.1	113.9	120.6
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)