

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: P940247

Luminaire Tested: **GALN-SB3B-722-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940247  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-722-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

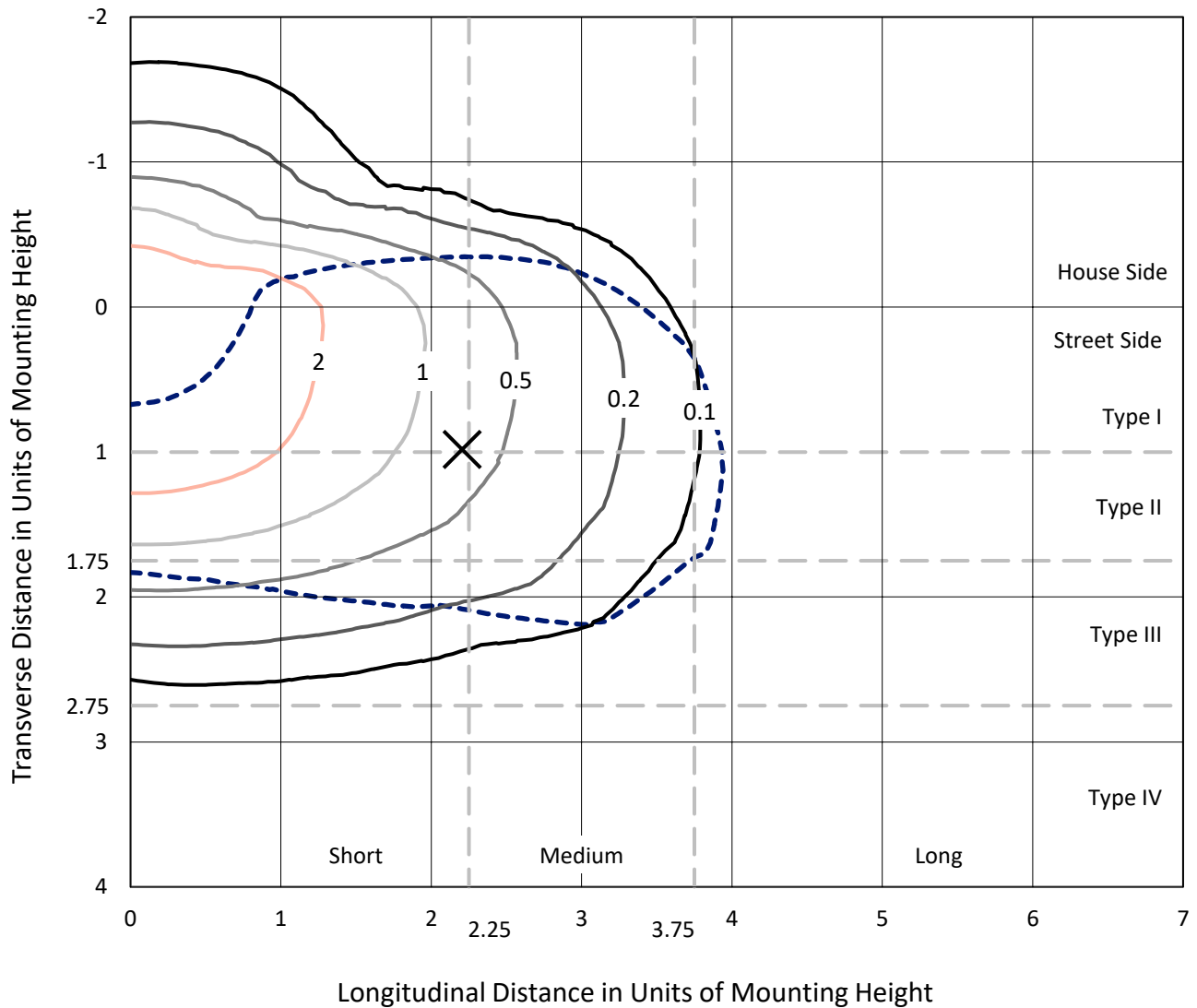
Lumens per Lamp: N/A  
Luminaire Lumens: 13966 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

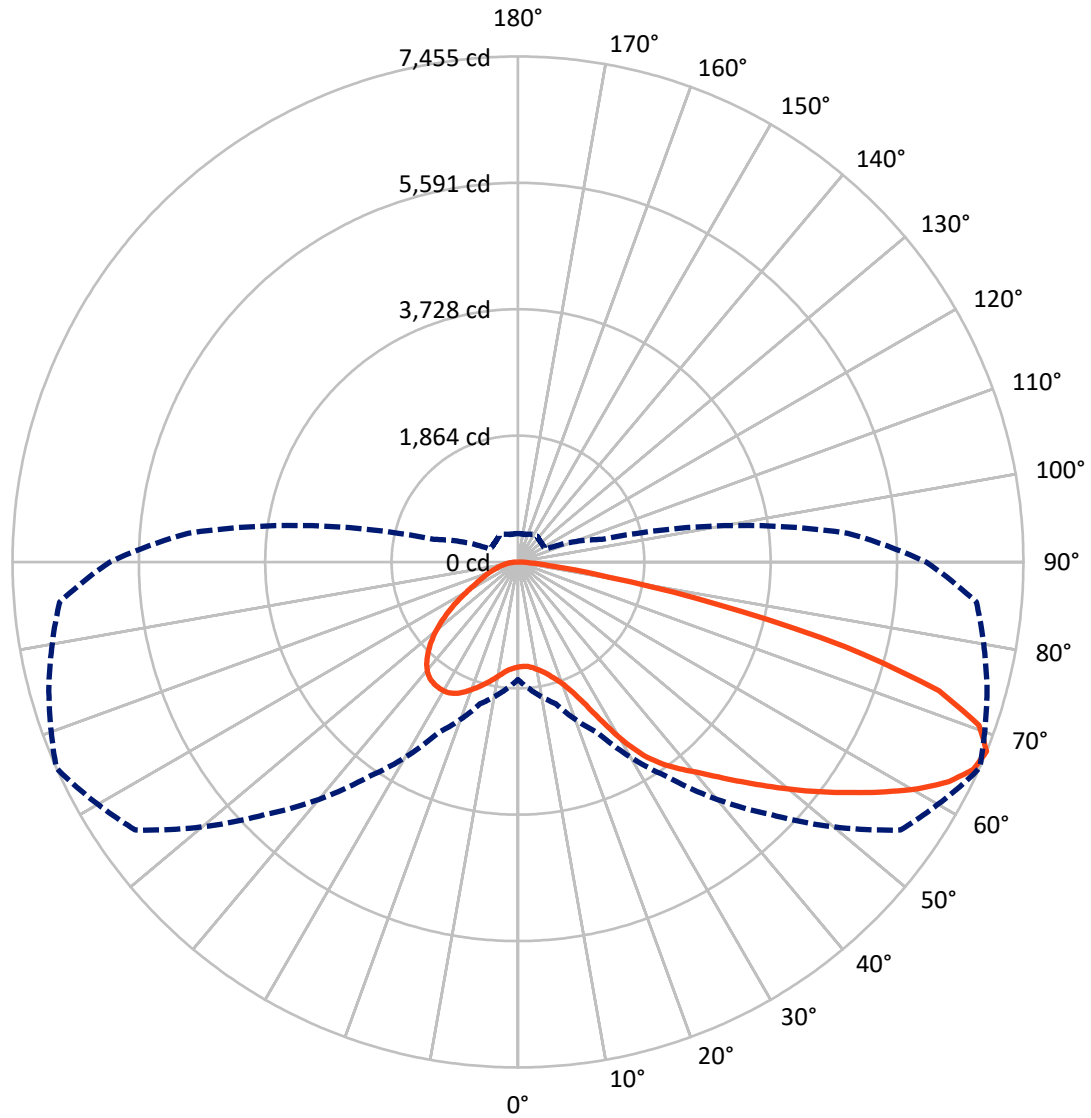
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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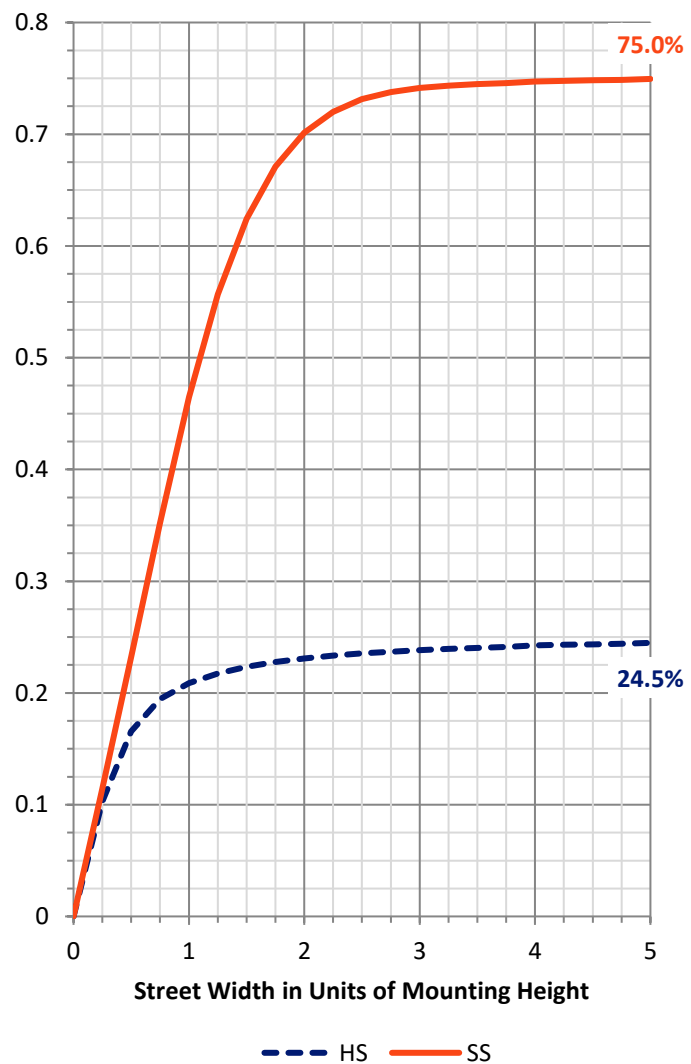
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3472.6	0.0	3472.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	10493.4	0.0	10493.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	13966.0	0.0	13966.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.6	1.1
10°-20°	507.4	3.6
20°-30°	978.0	7.0
30°-40°	1714.8	12.3
40°-50°	2549.3	18.3
50°-60°	3231.5	23.1
60°-70°	3161.9	22.6
70°-80°	1508.3	10.8
80°-90°	161.2	1.2
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°	13966.0	100.0
0°-180°	13966.0	100.0

**Coefficient of Utilization**



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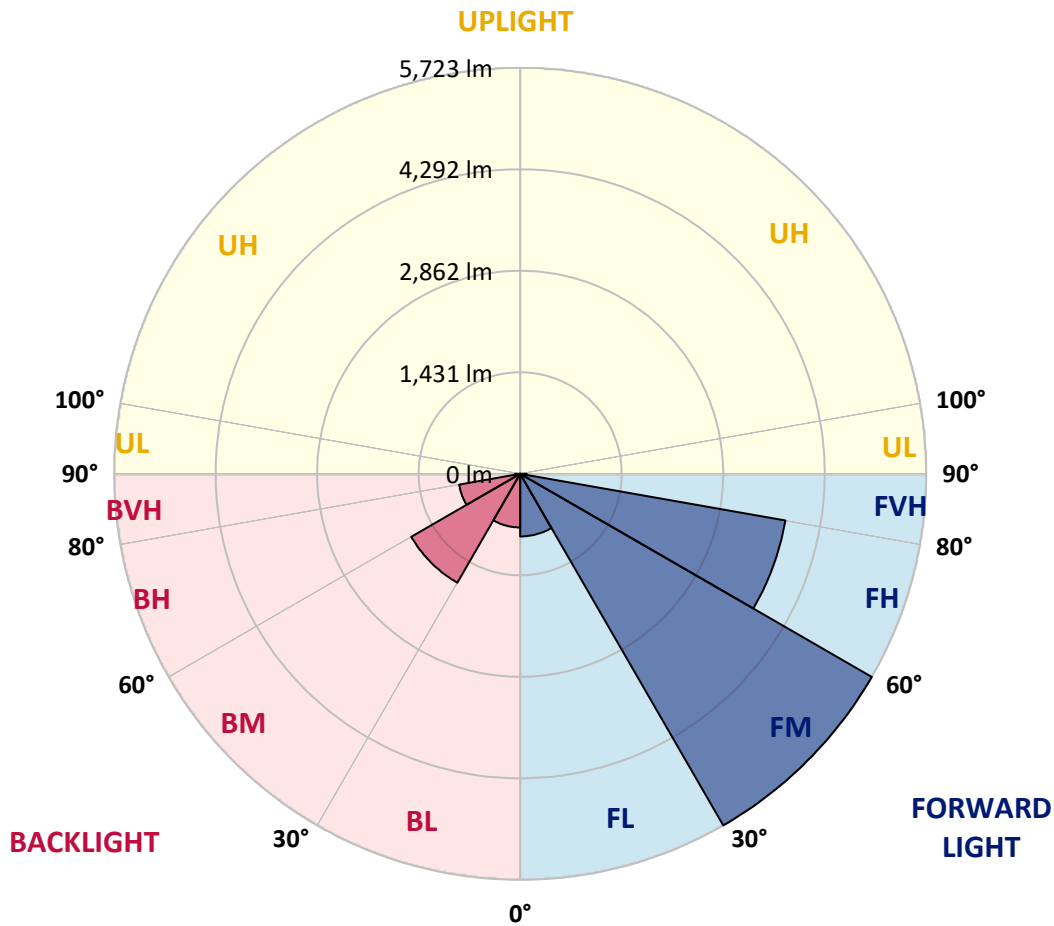
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.5	6.3			
FM (30°-60°)	5723.2	41.0			
FH (60°-80°)	3796.3	27.2			G2/5000
FVH (80°-90°)	91.4	0.7			G1/100
BL (0°-30°)	756.5	5.4	B2/1000		
BM (30°-60°)	1772.5	12.7	B2/2500		
BH (60°-80°)	873.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	69.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0
2.5°	1532.9	1541.7	1539.5	1535.8	1535.1	1536.5	1538.7	1540.9	1540.2	1543.9	1549.7
5°	1528.5	1537.3	1536.5	1536.5	1539.5	1545.3	1549.0	1552.7	1549.0	1553.4	1561.5
7.5°	1531.4	1538.0	1540.9	1543.9	1551.2	1562.2	1571.0	1579.1	1574.7	1579.8	1590.1
10°	1568.8	1574.0	1576.9	1576.9	1582.0	1594.5	1603.3	1618.0	1614.3	1622.4	1635.6
12.5°	1637.1	1642.2	1642.2	1639.3	1642.9	1651.0	1653.9	1670.1	1663.5	1676.7	1689.9
15°	1720.7	1731.0	1722.9	1717.8	1719.3	1727.3	1726.6	1739.1	1732.5	1743.5	1755.2
17.5°	1813.2	1826.4	1813.2	1812.4	1809.5	1818.3	1819.0	1830.1	1818.3	1826.4	1834.5
20°	1922.5	1940.9	1929.8	1933.5	1926.9	1930.6	1934.2	1950.4	1932.0	1937.9	1935.7
22.5°	2076.6	2098.6	2086.9	2100.8	2096.4	2093.5	2092.7	2121.4	2092.7	2094.9	2073.7
25°	2301.1	2327.6	2307.0	2326.1	2326.1	2335.6	2346.6	2383.3	2335.6	2321.7	2266.7
27.5°	2632.8	2659.2	2618.9	2630.6	2626.9	2650.4	2638.7	2729.7	2678.3	2655.6	2544.8
30°	3032.0	3078.9	3002.6	2999.7	2996.0	3033.5	3050.3	3110.5	3058.4	3035.7	2902.1
32.5°	3463.5	3512.6	3421.6	3395.2	3381.3	3404.0	3390.1	3438.5	3402.5	3367.3	3202.2
35°	3919.9	3968.3	3881.7	3830.3	3774.6	3726.9	3677.0	3689.5	3655.7	3602.1	3431.2
37.5°	4351.3	4440.1	4348.4	4293.4	4190.6	4097.4	3958.0	3900.1	3868.5	3819.3	3646.9
40°	4790.9	4841.5	4771.8	4724.8	4613.3	4467.3	4244.2	4121.7	4079.1	4031.4	3885.4
42.5°	5114.5	5162.9	5125.5	5093.2	5005.9	4836.4	4548.0	4394.6	4333.0	4279.4	4155.4
45°	5371.3	5407.2	5383.8	5395.5	5358.1	5193.7	4862.8	4687.4	4623.6	4558.3	4460.7
47.5°	5474.7	5512.9	5550.3	5620.0	5683.9	5562.8	5201.0	5004.4	4936.9	4870.1	4774.0
50°	5463.0	5501.9	5610.5	5758.7	5956.8	5916.5	5557.7	5341.9	5279.6	5203.2	5114.5
52.5°	5369.1	5413.1	5552.5	5799.1	6114.6	6181.4	5920.9	5690.5	5631.8	5540.8	5452.0
55°	5122.5	5148.9	5358.1	5707.4	6152.0	6366.3	6276.8	6061.8	6003.1	5876.1	5779.3
57.5°	4665.4	4703.5	5008.1	5460.1	6058.1	6491.8	6589.4	6452.1	6395.6	6212.9	6111.7
60°	4068.8	4129.7	4478.3	5044.8	5818.9	6491.0	6873.3	6835.9	6789.0	6544.6	6438.9
62.5°	3393.7	3464.2	3799.5	4457.7	5400.6	6306.9	7050.9	7157.3	7133.1	6850.6	6715.6
65°	2606.4	2654.8	2988.7	3698.3	4749.8	5911.3	7071.5	7376.7	7381.1	7083.2	6860.1
67.5°	1735.4	1874.8	2164.7	2775.2	3878.0	5264.9	6890.9	7412.7	7455.2	7163.2	6787.5
70°	846.8	1030.2	1314.2	1803.6	2775.2	4273.5	6419.1	7117.7	7212.3	6929.8	6354.6
72.5°	351.5	410.9	565.7	890.1	1593.0	2883.8	5471.1	6317.9	6493.2	6140.3	5342.7
75°	237.0	256.8	323.6	456.4	725.7	1422.1	3945.5	4710.9	4993.4	4637.5	3790.7
77.5°	182.7	195.2	235.5	319.2	431.5	537.9	2111.8	2839.0	2985.0	2763.4	1972.4
80°	143.8	153.4	176.1	232.6	306.0	287.6	719.8	1286.3	1370.7	1149.8	634.0
82.5°	124.7	128.4	126.2	157.8	203.3	168.0	236.3	474.8	523.9	380.1	206.9
85°	90.3	100.5	104.9	97.6	107.9	85.1	96.9	168.0	184.9	165.1	116.7
87.5°	36.7	54.3	66.8	63.1	39.6	24.2	30.1	49.2	56.5	61.6	38.2
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°	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0	1549.0
2.5°	1550.5	1555.6	1559.3	1563.7	1566.6	1571.0	1579.8	1585.0	1585.7	1589.4	1588.6
5°	1564.4	1571.8	1579.8	1591.6	1604.8	1615.8	1632.7	1644.4	1648.8	1652.5	1651.7
7.5°	1594.5	1604.8	1619.5	1640.0	1659.1	1673.8	1694.3	1708.2	1722.2	1727.3	1728.1
10°	1639.3	1653.9	1675.2	1703.1	1723.7	1742.7	1764.0	1775.8	1789.7	1795.6	1798.5
12.5°	1695.0	1710.4	1738.3	1777.2	1796.3	1809.5	1816.8	1813.9	1816.8	1822.0	1823.4
15°	1758.9	1775.8	1807.3	1849.1	1862.3	1850.6	1834.5	1819.8	1817.6	1819.0	1824.2
17.5°	1834.5	1846.9	1883.6	1918.8	1909.3	1860.9	1825.6	1802.2	1790.4	1786.8	1791.9
20°	1940.1	1940.1	1970.2	1992.2	1928.4	1846.2	1791.2	1753.0	1728.8	1718.5	1716.3
22.5°	2068.5	2056.8	2075.9	2060.5	1924.7	1805.1	1728.8	1662.8	1626.1	1611.4	1609.2
25°	2231.4	2217.5	2212.4	2117.0	1898.3	1739.8	1615.8	1535.8	1503.5	1495.4	1496.9
27.5°	2477.2	2442.0	2375.3	2147.8	1849.9	1637.1	1483.7	1409.6	1391.3	1392.0	1394.2
30°	2804.5	2734.1	2570.4	2152.9	1770.6	1491.8	1348.7	1295.9	1287.1	1290.7	1303.2
32.5°	3107.6	3040.8	2770.0	2129.4	1648.8	1349.4	1227.6	1192.4	1179.2	1183.6	1189.5
35°	3345.3	3327.0	2954.9	2096.4	1499.1	1215.9	1119.0	1088.9	1063.3	1057.4	1061.8
37.5°	3569.8	3562.5	3093.6	2050.2	1350.9	1121.2	1031.7	992.1	954.7	934.1	934.8
40°	3816.4	3809.1	3184.6	1979.0	1219.5	1039.0	953.2	901.1	854.9	817.4	821.1
42.5°	4093.8	4050.5	3227.9	1877.0	1108.0	969.3	889.3	818.9	758.0	723.5	725.7
45°	4396.8	4299.2	3227.2	1747.1	1014.1	905.5	821.1	721.3	664.8	632.5	631.1
47.5°	4718.2	4537.0	3187.5	1603.3	923.1	835.0	715.4	639.1	601.7	581.9	577.5
50°	5049.9	4759.3	3120.0	1438.2	829.9	755.1	649.4	597.3	568.7	550.3	543.7
52.5°	5361.7	4961.1	3038.6	1251.1	735.2	677.3	620.0	579.7	549.6	529.1	520.3
55°	5651.6	5135.0	2923.4	1059.6	658.2	625.2	606.1	572.4	537.9	513.6	504.1
57.5°	5909.1	5248.0	2724.5	879.8	603.2	589.2	591.4	559.9	520.3	499.7	486.5
60°	6123.4	5330.9	2430.3	713.2	558.4	554.0	568.7	536.4	490.2	466.7	456.4
62.5°	6251.8	5329.5	2069.3	584.1	520.3	521.7	538.6	507.0	460.1	438.1	431.5
65°	6240.8	5198.8	1673.0	499.7	483.6	485.0	507.0	474.8	435.1	421.9	421.2
67.5°	6019.9	4880.4	1283.4	444.7	443.2	449.8	475.5	452.7	419.7	418.3	420.5
70°	5421.9	4219.2	924.6	400.6	401.4	410.9	444.7	438.8	411.7	414.6	413.9
72.5°	4347.7	3216.9	620.8	354.4	355.2	370.6	415.3	427.8	403.6	442.5	448.3
75°	2895.5	2006.2	399.2	305.3	306.0	325.8	389.6	406.5	381.6	441.0	444.7
77.5°	1391.3	901.8	289.1	256.8	256.8	275.2	336.8	364.0	325.1	342.7	314.1
80°	480.6	339.0	227.5	206.9	202.5	215.0	284.0	315.5	280.3	258.3	242.1
82.5°	189.3	176.1	182.7	160.7	146.0	154.1	220.9	260.5	206.2	186.4	185.6
85°	108.6	114.5	129.1	106.4	84.4	94.7	162.2	187.1	155.6	137.2	140.2
87.5°	29.4	40.4	59.4	55.0	38.2	40.4	77.0	103.5	89.5	69.0	71.2
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)