

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: P939735

Luminaire Tested: **GALN-SB2C-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12259 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 100.9
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

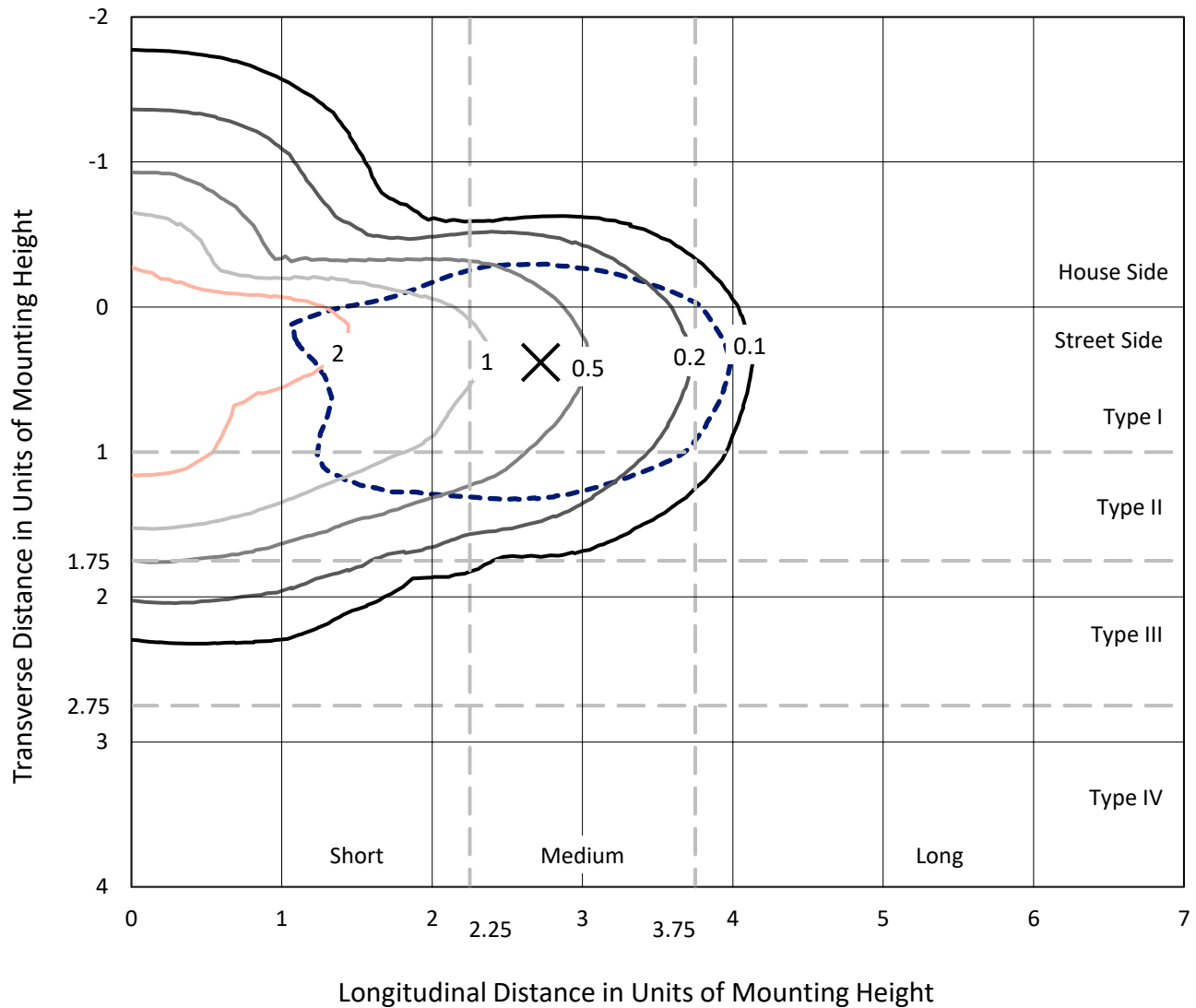


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

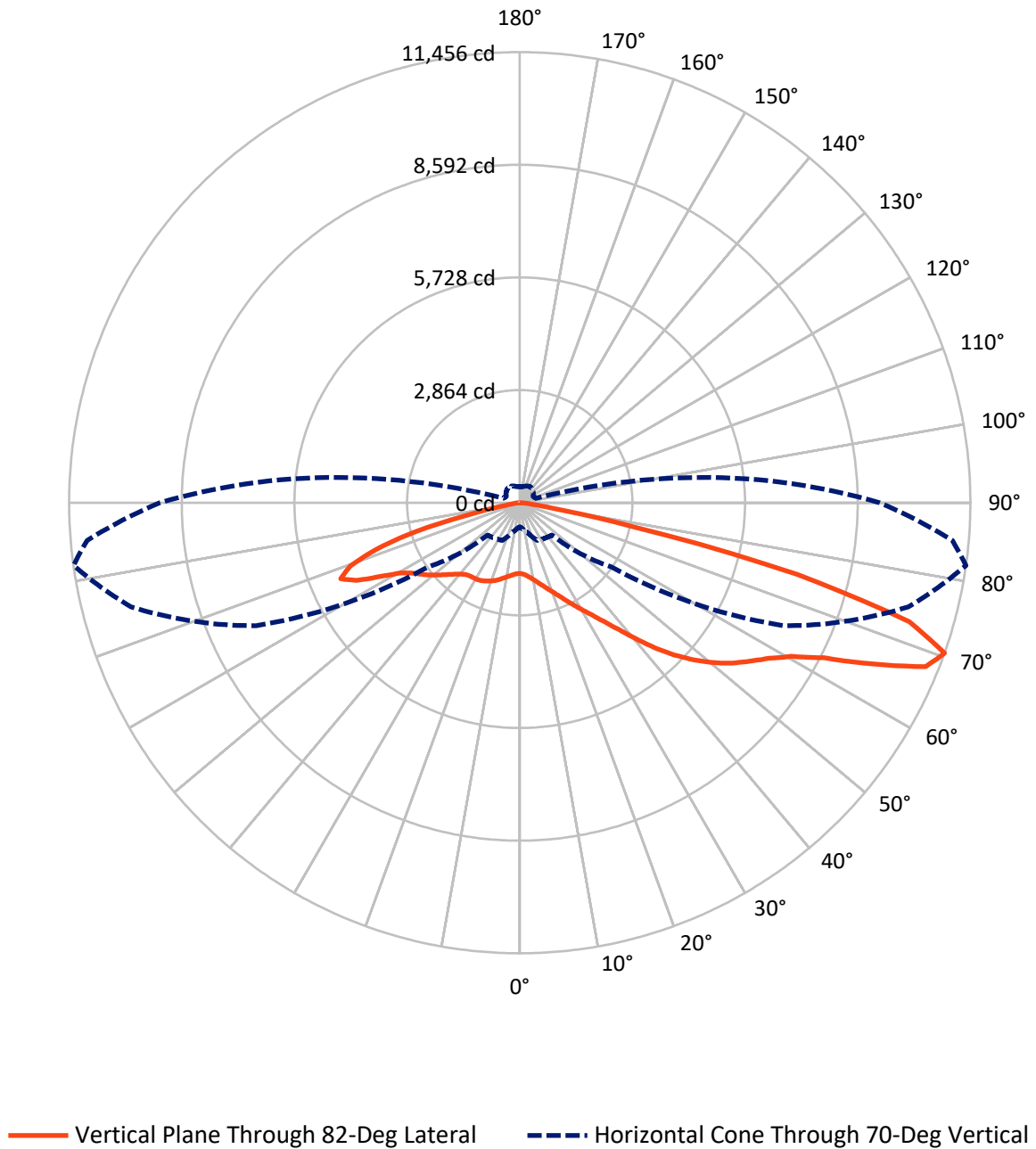


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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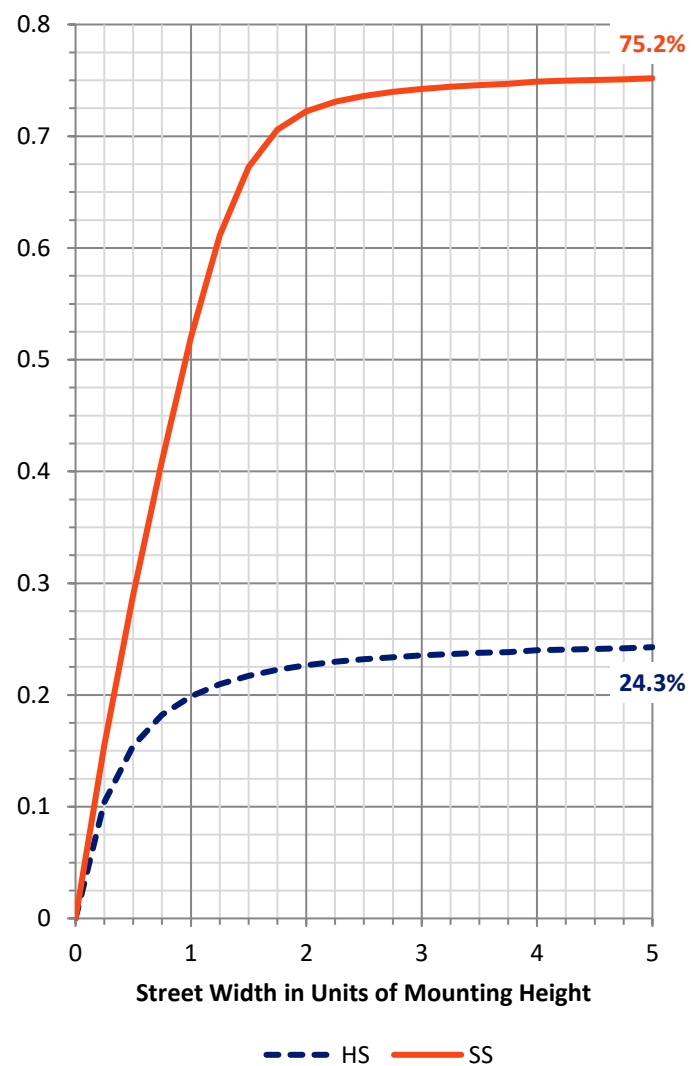
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3022.1	0.0	3022.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	9236.8	0.0	9236.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	12259.0	0.0	12259.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	1.4
10°-20°	487.6	4.0
20°-30°	815.6	6.7
30°-40°	1274.2	10.4
40°-50°	2029.3	16.6
50°-60°	2824.1	23.0
60°-70°	2954.1	24.1
70°-80°	1544.0	12.6
80°-90°	160.3	1.3
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°	12259.0	100.0
0°-180°	12259.0	100.0

Coefficient of Utilization



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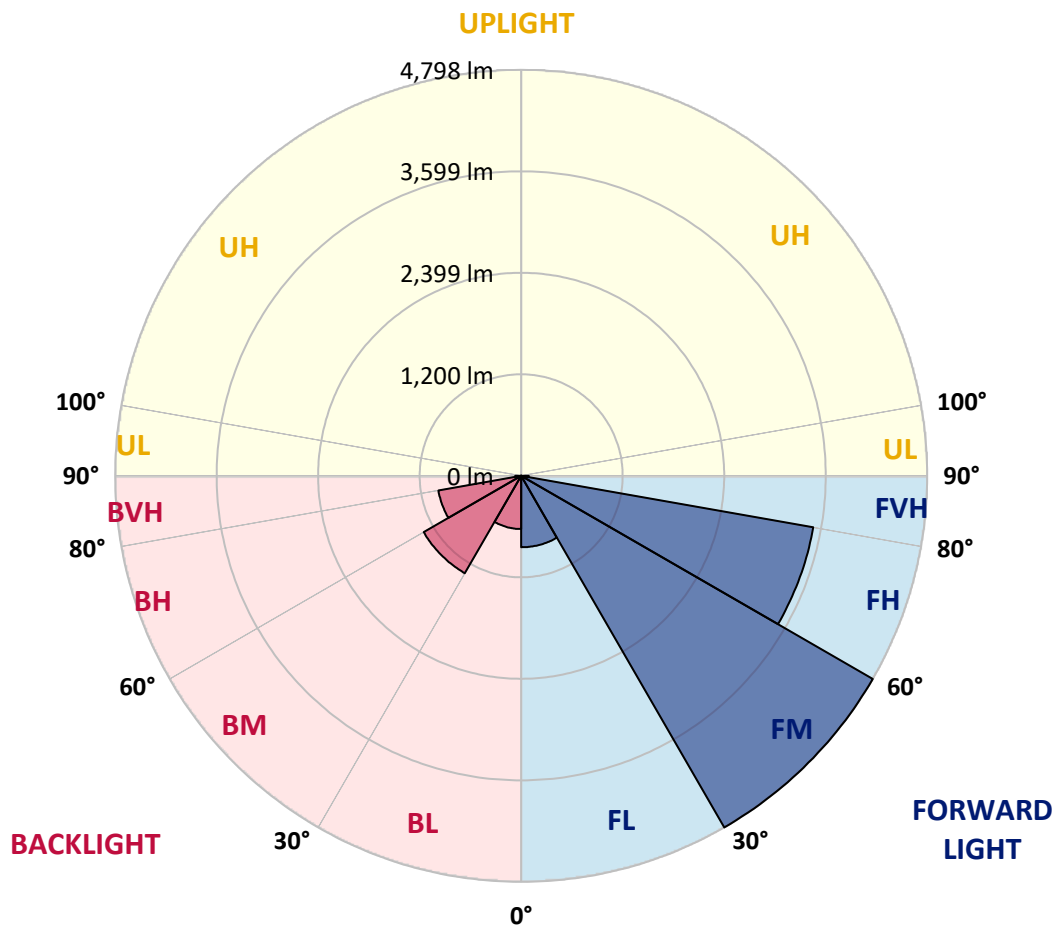
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	844.2	6.9			
FM	(30°-60°)	4798.0	39.1			
FH	(60°-80°)	3504.9	28.6			G2/5000
FVH	(80°-90°)	89.7	0.7			G1/100
BL	(0°-30°)	628.7	5.1	B2/1000		
BM	(30°-60°)	1329.6	10.8	B2/2500		
BH	(60°-80°)	993.2	8.1	B2/1000		G2/1000
BVH	(80°-90°)	70.6	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3
2.5°	1840.3	1850.7	1847.4	1844.2	1844.2	1839.6	1839.0	1832.4	1827.2	1818.8	1816.8
5°	1863.7	1874.7	1873.4	1876.0	1884.5	1886.4	1888.4	1884.5	1874.1	1863.7	1859.1
7.5°	1842.9	1855.2	1859.1	1874.7	1900.8	1924.2	1941.7	1948.9	1939.1	1924.2	1917.0
10°	1772.6	1786.3	1799.9	1837.0	1883.2	1938.5	1985.3	2013.3	2011.3	1997.0	1984.7
12.5°	1630.1	1644.5	1673.7	1745.9	1830.5	1928.1	2015.2	2073.8	2093.9	2083.5	2062.1
15°	1516.3	1528.7	1550.8	1624.9	1734.9	1883.2	2026.3	2140.1	2191.5	2185.7	2159.6
17.5°	1513.1	1518.3	1531.9	1567.0	1651.6	1812.9	2014.6	2205.2	2303.4	2302.8	2270.2
20°	1570.3	1572.3	1580.1	1587.2	1635.3	1759.6	1984.7	2259.2	2429.0	2429.0	2393.8
22.5°	1649.7	1648.4	1656.2	1649.7	1673.1	1755.0	1965.8	2306.7	2568.8	2579.2	2535.0
25°	1768.7	1762.2	1760.2	1745.3	1749.8	1797.3	1986.6	2360.7	2734.7	2756.2	2700.9
27.5°	1927.4	1917.0	1909.9	1875.4	1863.7	1884.5	2050.4	2425.7	2919.4	2956.5	2886.3
30°	2134.3	2115.4	2105.0	2045.2	2002.9	2006.1	2146.6	2512.2	3112.6	3172.5	3083.4
32.5°	2416.6	2387.3	2359.4	2261.1	2183.7	2158.3	2270.9	2631.9	3322.1	3417.7	3303.2
35°	2732.7	2709.3	2679.4	2527.8	2408.8	2350.2	2438.7	2799.1	3567.3	3718.9	3569.9
37.5°	3037.2	3017.0	3031.3	2827.1	2673.5	2588.3	2658.6	3023.5	3869.8	4093.6	3904.3
40°	3352.0	3336.4	3338.3	3143.2	2964.3	2868.7	2925.3	3305.2	4216.5	4539.2	4306.3
42.5°	3694.2	3682.5	3643.4	3470.4	3269.4	3180.3	3232.3	3630.4	4588.6	5046.6	4747.3
45°	4077.3	4070.2	4033.7	3835.3	3605.1	3504.9	3575.1	3989.5	4962.6	5524.0	5190.3
47.5°	4408.4	4414.3	4409.7	4242.5	4003.8	3856.8	3940.7	4364.2	5310.7	5972.9	5615.1
50°	4567.8	4598.4	4643.2	4591.2	4442.9	4293.3	4309.5	4725.9	5642.4	6393.7	6022.3
52.5°	4484.5	4542.4	4664.7	4748.0	4805.2	4774.0	4730.4	5084.9	5954.6	6773.6	6407.4
55°	4174.2	4255.6	4458.5	4659.5	4951.6	5178.6	5235.8	5483.0	6259.1	7108.0	6771.7
57.5°	3609.0	3741.0	3923.1	4329.7	4821.5	5374.4	5825.2	6035.3	6581.7	7465.1	7152.9
60°	2639.7	2816.7	3043.0	3648.0	4366.1	5269.7	6326.7	6883.6	7040.3	7927.6	7649.2
62.5°	1689.3	1798.6	2006.8	2576.6	3402.1	4733.0	6480.2	7943.9	7817.7	8686.1	8393.4
65°	1156.6	1226.8	1417.4	1737.5	2199.3	3523.1	6069.1	8738.8	9052.3	9888.2	9665.7
67.5°	840.4	893.8	1056.4	1336.8	1433.0	2084.8	4709.6	8702.3	10252.5	11126.7	10780.7
70°	612.8	650.5	787.1	1056.4	1102.6	1159.8	2853.1	7397.4	10226.5	11455.9	11041.5
72.5°	454.0	480.1	571.8	819.6	892.5	783.2	1412.2	5376.4	8787.6	10361.8	10029.4
75°	328.5	348.0	415.7	627.1	714.2	596.5	704.5	3141.9	6129.6	7288.8	7347.4
77.5°	251.1	266.1	310.3	459.3	571.8	447.5	437.1	1445.4	2906.4	2920.7	3084.7
80°	201.7	211.4	235.5	323.3	438.4	335.0	284.9	583.5	918.5	777.3	815.7
82.5°	148.3	164.6	199.1	227.0	313.5	230.9	173.7	294.7	349.3	300.5	303.1
85°	84.6	95.6	120.3	162.6	200.4	141.2	99.5	130.7	162.6	133.4	119.0
87.5°	29.9	39.0	42.3	63.7	87.2	58.5	38.4	37.7	53.3	39.7	33.2
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°	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3	1797.3
2.5°	1810.3	1807.1	1794.1	1776.5	1758.3	1740.7	1734.9	1722.5	1714.1	1709.5	1714.7
5°	1846.8	1836.4	1805.8	1766.7	1725.8	1681.5	1650.3	1621.7	1600.9	1581.4	1589.2
7.5°	1898.8	1880.6	1827.9	1759.6	1686.7	1613.2	1558.6	1517.0	1489.0	1470.8	1474.7
10°	1959.3	1931.3	1850.7	1748.5	1636.0	1530.6	1466.2	1430.4	1412.9	1403.1	1405.7
12.5°	2028.9	1989.2	1874.1	1723.2	1558.6	1438.2	1394.0	1383.6	1384.3	1384.9	1386.2
15°	2114.8	2059.5	1892.9	1667.9	1457.8	1367.3	1359.5	1376.5	1394.0	1402.5	1401.8
17.5°	2211.7	2133.6	1896.2	1576.8	1358.9	1321.8	1346.5	1383.0	1409.6	1421.3	1423.9
20°	2315.8	2209.1	1872.8	1448.0	1277.6	1284.7	1329.0	1375.8	1405.1	1420.0	1423.9
22.5°	2434.8	2289.7	1816.8	1312.7	1211.2	1244.4	1296.4	1342.0	1372.5	1387.5	1391.4
25°	2570.8	2380.2	1729.0	1198.9	1154.0	1198.9	1250.9	1288.6	1313.4	1327.0	1330.9
27.5°	2721.7	2474.5	1611.9	1108.4	1103.9	1152.0	1195.0	1224.2	1237.2	1247.7	1251.6
30°	2873.2	2560.4	1470.1	1040.1	1060.3	1105.8	1136.4	1149.4	1153.3	1155.3	1159.8
32.5°	3037.2	2634.5	1321.2	983.6	1018.7	1061.0	1079.2	1085.0	1066.8	1054.5	1058.4
35°	3235.6	2713.9	1175.4	938.7	977.7	1014.1	1020.0	1014.8	993.3	967.9	969.2
37.5°	3480.8	2812.7	1059.0	906.8	939.3	963.4	956.2	954.9	956.9	927.0	928.9
40°	3781.3	2941.5	973.8	882.1	908.1	913.3	893.1	904.2	913.9	868.4	869.7
42.5°	4115.0	3097.0	919.8	865.2	882.1	869.7	838.5	850.8	849.5	789.7	789.1
45°	4455.3	3266.1	900.9	852.8	858.0	833.3	798.8	802.1	774.7	720.8	722.7
47.5°	4793.5	3447.6	912.6	842.4	828.1	800.1	773.4	759.1	718.8	678.5	678.5
50°	5125.3	3638.2	955.6	821.6	787.1	770.8	751.3	726.0	683.0	648.5	645.9
52.5°	5432.9	3830.1	1003.7	787.1	735.7	745.5	733.1	703.8	661.6	626.4	627.1
55°	5724.4	4022.0	1022.6	739.6	687.6	723.4	716.2	662.2	611.5	582.8	580.2
57.5°	6041.8	4252.9	1001.8	679.1	648.5	698.0	670.7	610.8	581.5	560.1	558.1
60°	6481.6	4615.3	956.9	604.3	611.5	660.3	613.4	588.7	556.8	532.8	531.5
62.5°	7212.1	5291.1	884.7	530.2	567.9	604.3	586.1	561.4	528.9	505.4	505.4
65°	8291.9	6230.5	748.7	472.3	519.1	549.7	556.8	532.1	498.3	473.6	474.9
67.5°	9202.6	6819.8	566.6	424.1	469.0	505.4	525.6	501.5	465.8	441.7	442.3
70°	9152.5	6391.8	432.6	376.6	424.8	461.9	487.9	469.0	430.6	407.9	409.8
72.5°	8129.3	5347.1	350.0	328.5	379.9	416.3	447.5	433.2	394.2	372.1	372.1
75°	5972.2	3795.6	279.7	279.7	323.9	368.8	403.3	394.2	358.4	342.8	338.3
77.5°	2517.4	1592.4	219.2	232.2	269.3	316.8	359.7	363.0	331.8	351.3	318.7
80°	669.4	439.1	167.2	182.8	211.4	261.5	312.9	311.6	277.8	259.5	241.3
82.5°	255.0	173.0	119.0	128.8	152.9	200.4	247.8	255.6	221.8	191.9	191.9
85°	98.2	74.2	73.5	77.4	89.1	132.7	187.3	193.8	167.2	141.8	146.4
87.5°	25.4	22.1	27.3	26.0	41.0	70.9	107.3	111.2	102.1	59.2	84.6
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)