

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: P947704

Luminaire Tested: **GALN-SB3A-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11414 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 84.7
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



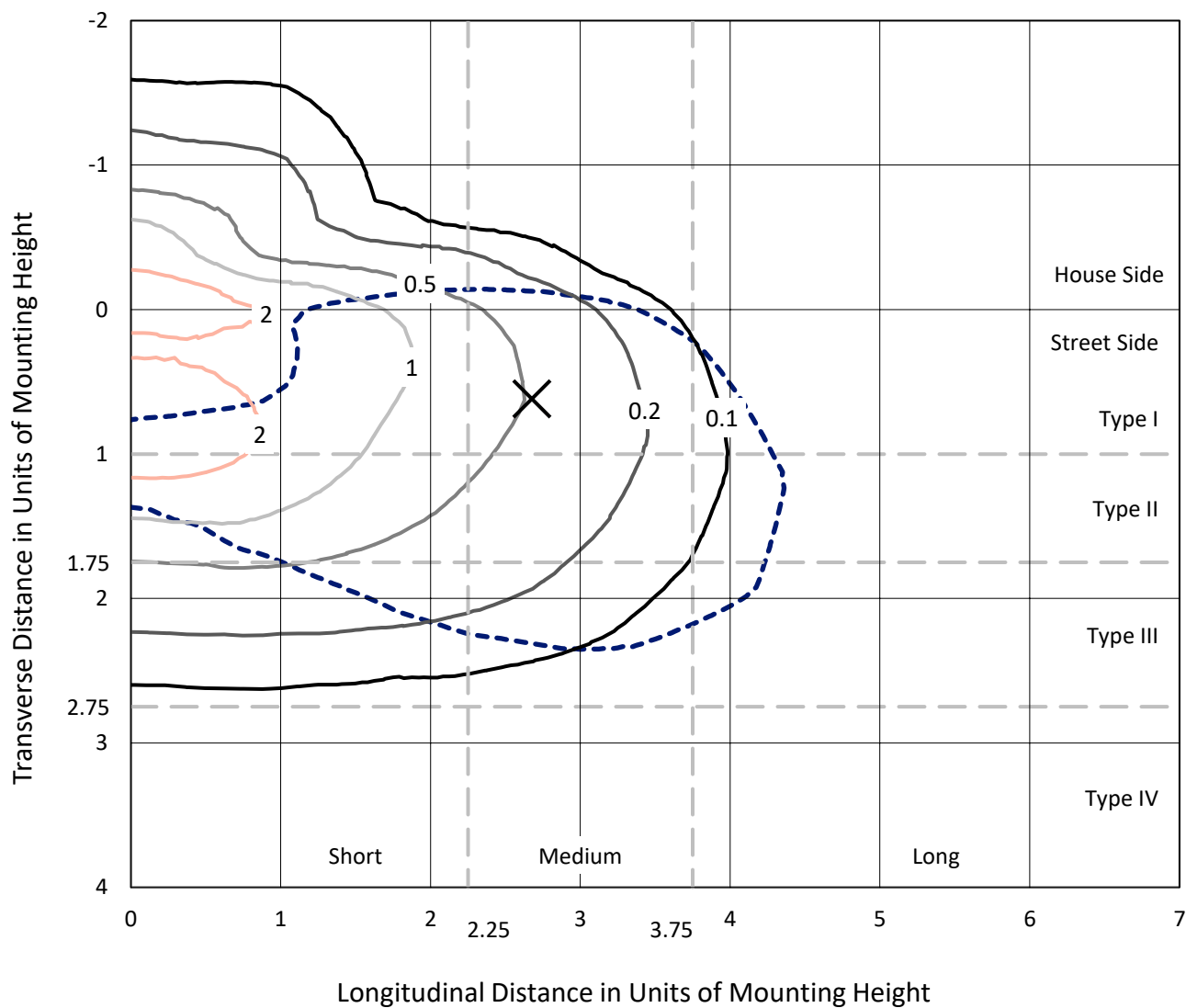
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

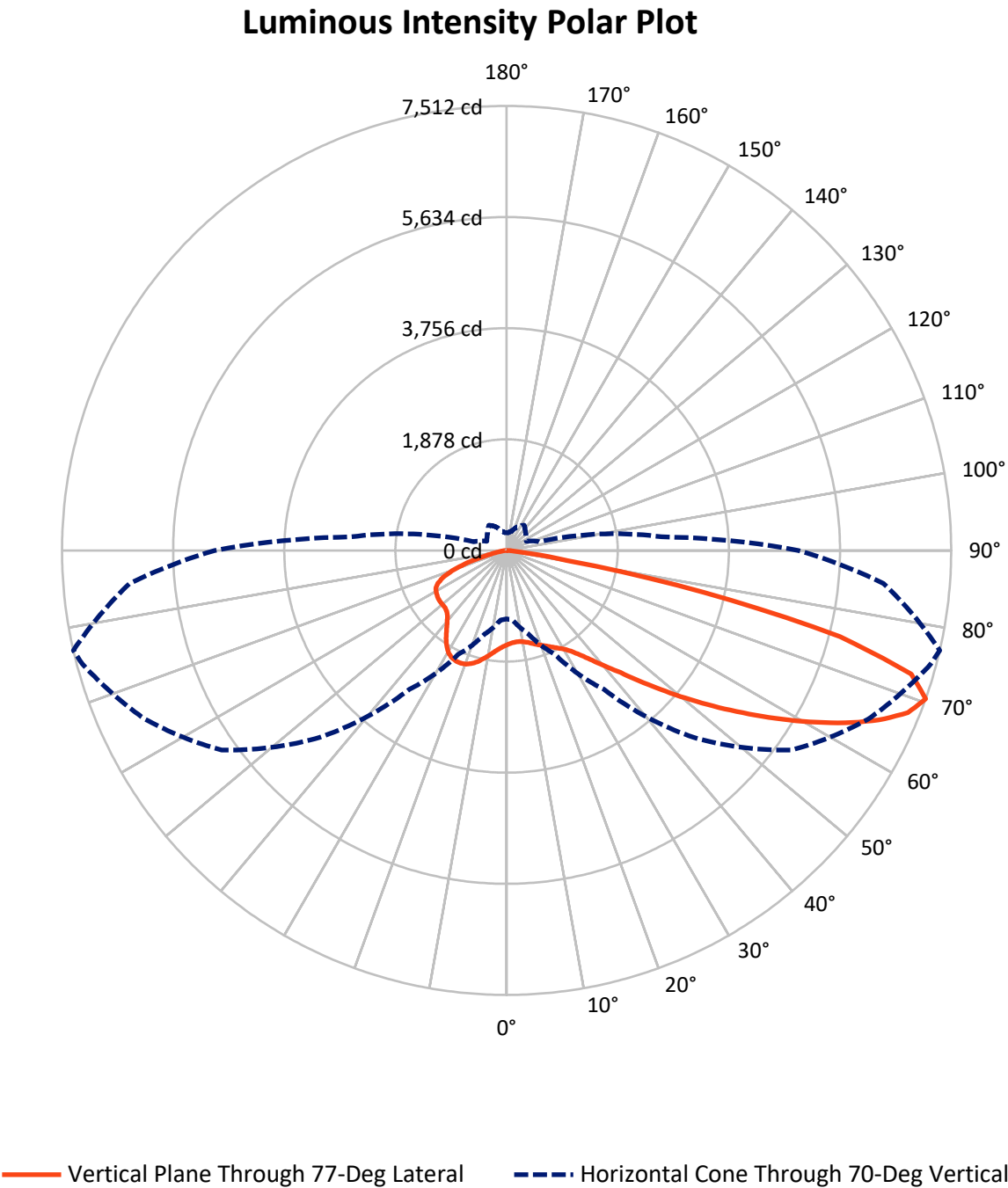
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc

Type III - Medium - N/A

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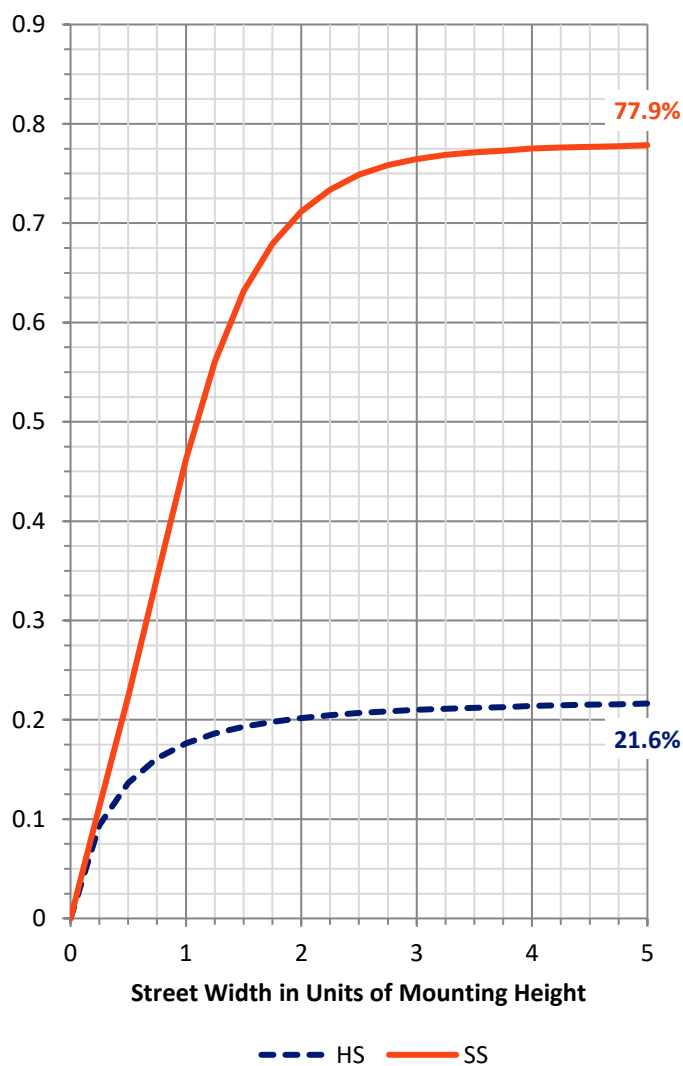
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2499.5	0.0	2499.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	8914.5	0.0	8914.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	11414.0	0.0	11414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	1.3
10°-20°	438.3	3.8
20°-30°	749.6	6.6
30°-40°	1205.4	10.6
40°-50°	1881.9	16.5
50°-60°	2513.8	22.0
60°-70°	2679.3	23.5
70°-80°	1649.4	14.5
80°-90°	144.5	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°	11414.0	100.0
0°-180°	11414.0	100.0

Coefficient of Utilization



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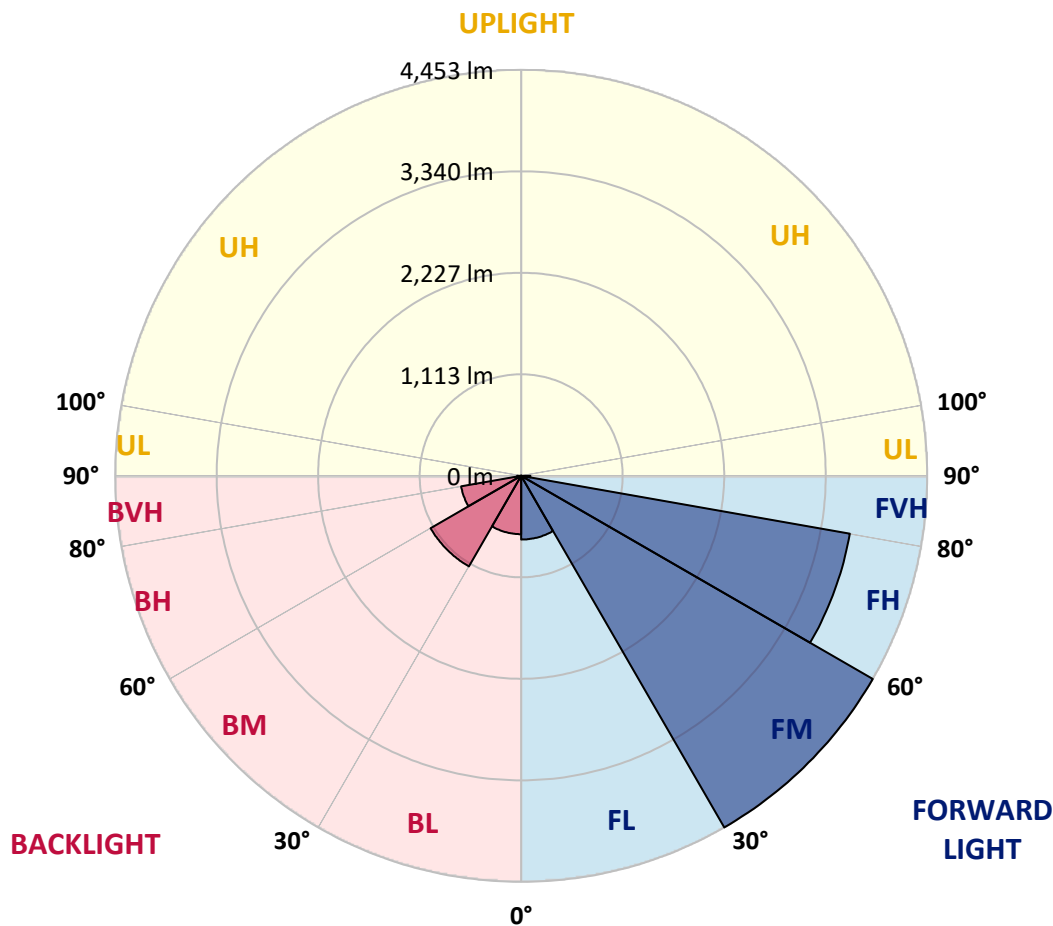
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	699.3	6.1			
FM	(30°-60°)	4453.5	39.0			
FH	(60°-80°)	3660.7	32.1			G2/5000
FVH	(80°-90°)	101.1	0.9			G2/225
BL	(0°-30°)	640.4	5.6	B2/1000		
BM	(30°-60°)	1147.6	10.1	B2/2500		
BH	(60°-80°)	668.0	5.9	B2/1000		G2/1000
BVH	(80°-90°)	43.5	0.4			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4
2.5°	1467.8	1467.3	1474.9	1477.2	1491.2	1501.2	1519.9	1539.7	1565.5	1568.4	1584.2
5°	1383.1	1383.1	1391.9	1401.2	1419.3	1439.2	1467.8	1502.3	1546.8	1553.8	1592.9
7.5°	1311.2	1315.9	1323.5	1341.6	1362.6	1391.3	1435.1	1484.2	1542.7	1553.8	1616.9
10°	1253.3	1258.6	1267.9	1282.5	1314.1	1353.9	1411.1	1474.3	1552.6	1570.1	1652.0
12.5°	1235.2	1240.4	1245.7	1256.8	1286.0	1332.8	1401.2	1479.0	1576.6	1594.1	1699.9
15°	1277.3	1283.7	1279.6	1276.7	1291.9	1334.6	1405.9	1495.9	1606.4	1631.5	1759.0
17.5°	1374.3	1376.7	1367.3	1339.8	1337.5	1360.3	1428.1	1519.3	1643.8	1671.3	1818.6
20°	1531.0	1526.9	1507.6	1453.2	1422.2	1417.6	1466.1	1554.4	1682.4	1711.6	1882.9
22.5°	1743.8	1739.1	1700.5	1614.6	1545.6	1500.0	1521.0	1600.0	1725.6	1758.4	1945.4
25°	2009.2	2002.7	1946.0	1829.1	1722.1	1609.3	1595.9	1660.2	1778.8	1809.2	2010.9
27.5°	2319.0	2313.7	2252.3	2098.0	1943.7	1759.0	1688.8	1730.9	1834.4	1868.9	2084.6
30°	2652.2	2667.4	2558.6	2392.6	2197.4	1954.2	1813.9	1818.0	1906.3	1937.3	2174.0
32.5°	3043.8	3070.1	2939.2	2728.8	2462.2	2166.4	1971.7	1939.6	2010.9	2036.6	2286.8
35°	3432.0	3461.8	3353.1	3120.4	2813.5	2416.6	2136.6	2079.3	2150.0	2178.1	2436.5
37.5°	3767.5	3807.3	3751.2	3548.9	3189.4	2718.2	2351.7	2243.6	2321.3	2356.4	2637.6
40°	4032.3	4093.1	4089.0	3962.8	3632.5	3084.2	2624.7	2446.4	2534.1	2572.1	2881.3
42.5°	4247.5	4300.1	4345.7	4339.2	4094.9	3499.8	2945.6	2710.0	2776.7	2820.5	3155.5
45°	4395.9	4452.1	4550.3	4656.1	4539.7	3944.6	3313.3	3022.8	3083.6	3149.6	3482.3
47.5°	4528.6	4592.3	4719.8	4887.6	4917.4	4391.3	3716.1	3387.0	3442.5	3510.9	3810.2
50°	4540.3	4595.3	4792.9	5030.8	5185.7	4820.3	4148.7	3795.6	3847.6	3920.7	4161.5
52.5°	4258.0	4344.5	4689.4	5026.7	5309.0	5179.3	4578.3	4220.6	4279.0	4366.7	4525.1
55°	3305.1	3432.0	4386.0	4870.0	5265.2	5411.3	4986.9	4672.4	4747.3	4839.0	4891.1
57.5°	2846.8	2902.4	3481.7	4584.7	5065.3	5471.5	5331.8	5129.0	5249.4	5349.9	5278.0
60°	2558.6	2604.8	2947.4	4141.1	4802.2	5376.3	5598.4	5554.5	5762.6	5882.5	5673.8
62.5°	2250.0	2293.8	2605.4	3457.7	4465.5	5217.8	5766.7	5947.4	6288.8	6419.7	6046.7
65°	1943.7	1981.1	2279.8	2905.3	4037.6	5059.4	5853.8	6287.0	6775.7	6911.3	6356.6
67.5°	1602.3	1633.3	1915.6	2451.1	3517.3	4842.5	5897.1	6554.2	7199.5	7315.8	6509.7
70°	1156.3	1180.2	1471.9	1938.4	2864.4	4469.6	5879.6	6743.6	7419.3	7512.3	6394.0
72.5°	546.6	568.2	910.8	1258.6	2023.2	3743.6	5524.7	6593.3	7196.0	7149.8	5685.5
75°	291.7	310.4	523.2	690.4	1068.6	2566.2	4521.0	5679.6	6042.7	5818.2	4201.9
77.5°	197.6	212.2	323.8	414.5	488.1	1218.2	2905.9	3932.4	3783.3	3412.7	2104.4
80°	156.7	171.9	265.4	280.6	236.2	440.2	1200.7	1820.3	1307.7	1045.8	598.6
82.5°	120.4	137.4	223.3	203.4	128.6	180.6	349.6	575.8	335.0	254.9	145.0
85°	73.7	91.8	175.4	129.8	72.5	82.4	118.7	160.2	102.3	85.3	52.0
87.5°	37.4	52.6	88.9	47.3	32.7	19.3	31.6	31.6	26.9	23.4	13.4
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°	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4
2.5°	1598.2	1609.9	1629.8	1648.5	1663.1	1677.1	1691.1	1698.7	1701.1	1710.4	1715.7
5°	1616.9	1638.5	1677.1	1713.4	1736.2	1750.2	1760.1	1766.0	1767.1	1770.1	1774.7
7.5°	1651.4	1685.9	1739.7	1775.9	1792.9	1791.7	1787.6	1773.0	1767.1	1761.9	1763.1
10°	1699.9	1745.5	1811.6	1836.7	1826.2	1798.1	1761.9	1719.2	1699.3	1680.0	1674.2
12.5°	1760.1	1818.0	1882.9	1881.7	1829.7	1757.8	1673.6	1608.1	1566.6	1536.8	1529.8
15°	1833.2	1899.8	1949.5	1909.8	1795.8	1666.6	1543.3	1457.9	1420.5	1387.8	1384.3
17.5°	1908.6	1979.9	2002.7	1901.0	1710.4	1531.6	1391.9	1324.6	1287.8	1270.3	1275.5
20°	1982.3	2053.0	2034.3	1850.7	1580.7	1378.4	1253.9	1217.1	1209.5	1213.6	1211.8
22.5°	2060.0	2123.1	2040.7	1753.7	1415.2	1221.7	1153.3	1154.5	1171.5	1183.7	1186.7
25°	2139.5	2182.2	2023.8	1613.4	1237.5	1106.6	1089.6	1108.3	1141.7	1165.6	1172.1
27.5°	2216.1	2234.8	1986.9	1439.8	1085.0	1024.2	1027.1	1065.7	1115.9	1149.3	1157.4
30°	2302.6	2281.6	1916.2	1244.5	979.1	953.4	978.0	1023.0	1073.3	1103.1	1110.1
32.5°	2400.2	2321.9	1804.0	1063.9	904.3	896.7	937.1	966.3	988.5	997.3	1001.9
35°	2521.8	2378.6	1660.2	937.1	837.1	855.2	893.8	879.2	870.4	865.7	870.4
37.5°	2679.6	2455.2	1491.8	854.6	782.7	825.4	841.2	795.6	761.1	744.2	748.2
40°	2869.6	2567.4	1329.9	790.9	748.2	799.7	772.2	717.3	673.4	649.5	651.2
42.5°	3080.7	2684.9	1193.7	743.0	729.0	778.6	721.4	655.9	585.2	577.6	585.2
45°	3302.2	2805.9	1100.7	706.2	719.6	760.5	692.1	586.3	536.0	567.0	583.4
47.5°	3523.8	2917.0	1044.6	678.7	714.9	740.1	666.4	547.7	512.1	557.1	578.1
50°	3770.4	3016.4	1019.5	658.8	709.7	731.9	627.8	537.8	486.9	516.8	539.0
52.5°	4015.4	3093.5	1000.8	638.9	702.1	725.4	609.1	526.1	456.5	458.3	470.6
55°	4259.7	3143.8	980.3	612.6	685.1	711.4	607.4	513.2	433.7	425.6	431.4
57.5°	4520.4	3172.4	955.2	583.4	655.9	675.8	605.6	503.3	426.7	413.3	415.0
60°	4785.8	3214.5	922.4	547.7	616.7	633.1	601.5	499.8	422.6	399.8	401.6
62.5°	5023.8	3229.1	883.3	513.8	566.4	591.0	592.7	496.9	411.5	372.4	372.4
65°	5179.8	3166.0	814.9	475.3	512.1	547.7	575.8	486.9	391.7	352.5	352.5
67.5°	5173.4	2986.0	707.9	425.6	459.5	499.8	551.2	470.0	367.7	327.9	329.7
70°	4932.6	2630.5	572.3	367.7	401.6	448.4	519.7	444.9	339.0	301.1	304.6
72.5°	4230.5	2058.8	415.6	299.9	334.4	395.2	478.8	414.5	309.8	277.1	275.3
75°	3022.2	1303.0	281.8	230.3	260.1	335.0	427.9	378.8	282.9	278.3	262.5
77.5°	1543.8	622.6	186.5	168.4	181.2	264.2	359.5	338.5	287.0	229.7	204.6
80°	502.1	229.7	117.5	114.6	120.4	176.0	278.3	277.7	217.5	156.1	138.0
82.5°	160.2	98.8	76.6	73.7	70.7	110.5	194.1	219.8	146.7	98.8	98.2
85°	63.7	59.0	45.0	41.5	29.8	52.0	101.7	146.1	109.3	71.3	73.1
87.5°	23.4	23.4	12.3	8.8	6.4	17.5	27.5	43.8	62.5	36.8	36.2
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)