

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: STREETWORKS

Report Number: P367130

Luminaire Tested: **PMM-SA2A-727-U-RW**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-7)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2A-727-U-RW
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6827 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

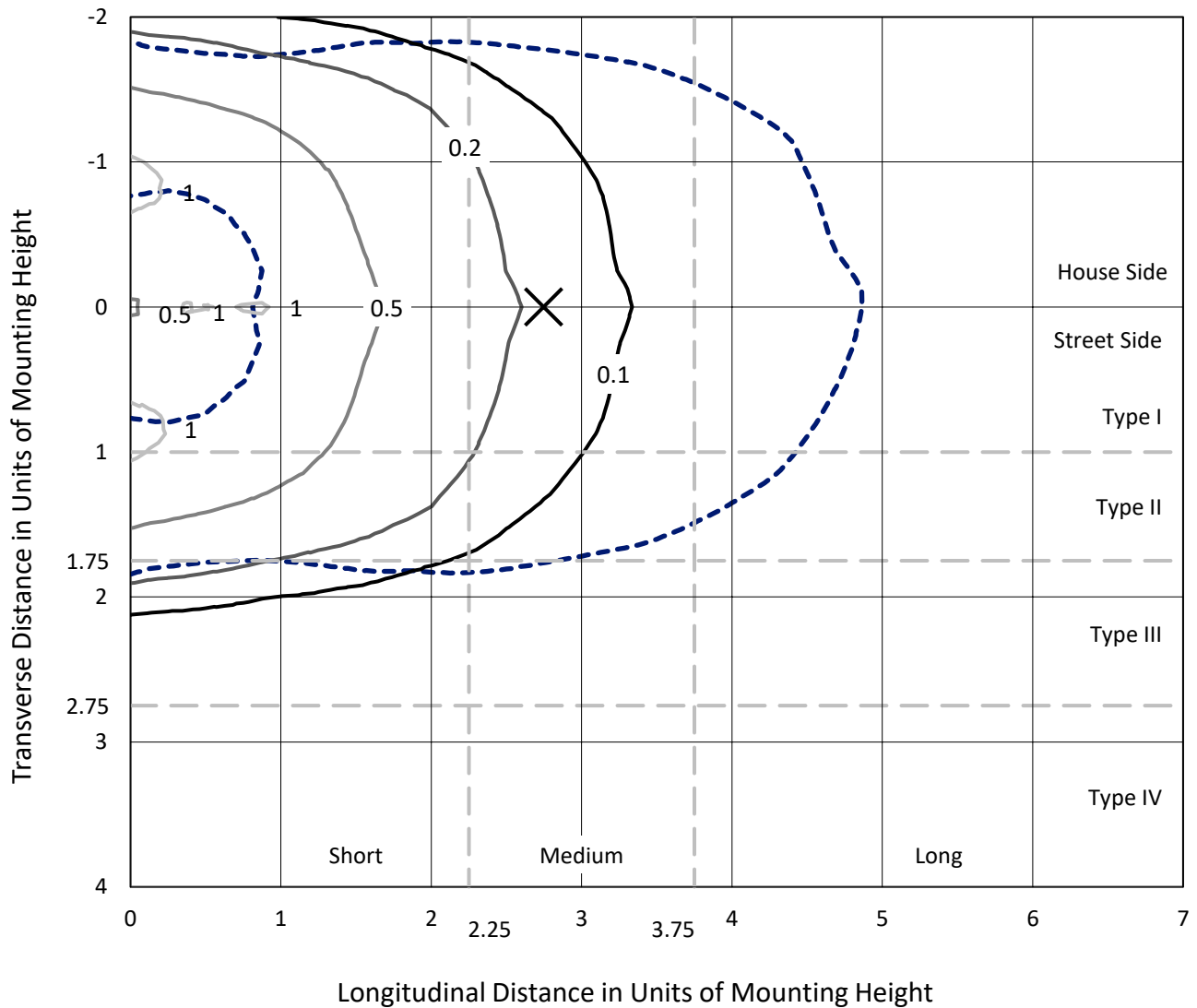
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P367130
 CATALOG NUMBER: PMM-SA2A-727-U-RW

Iso-Footcandle Lines of Horizontal Illumination

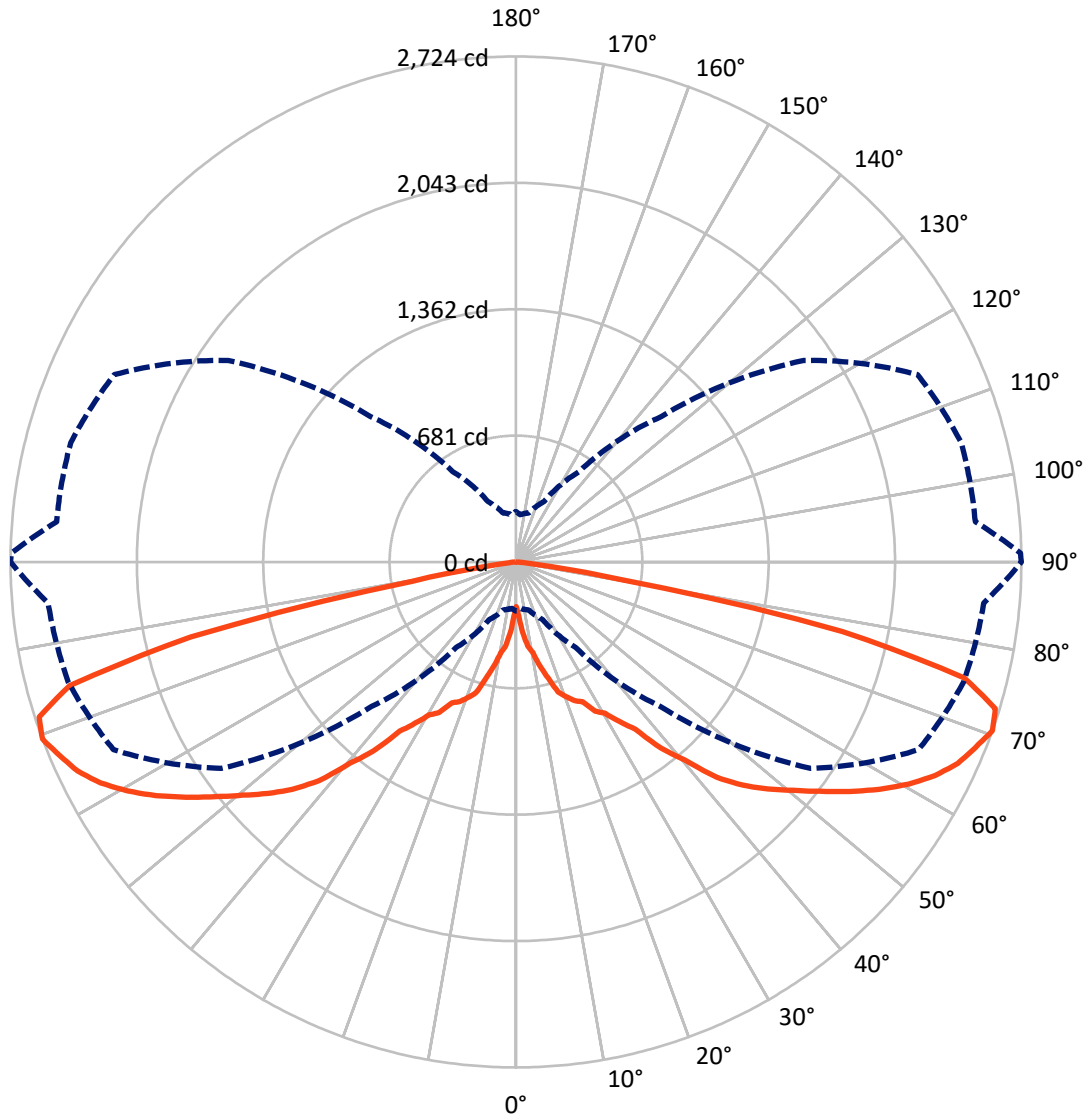
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - N/A

REPORT NUMBER: P367130
CATALOG NUMBER: PMM-SA2A-727-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P367130
 CATALOG NUMBER: PMM-SA2A-727-U-RW

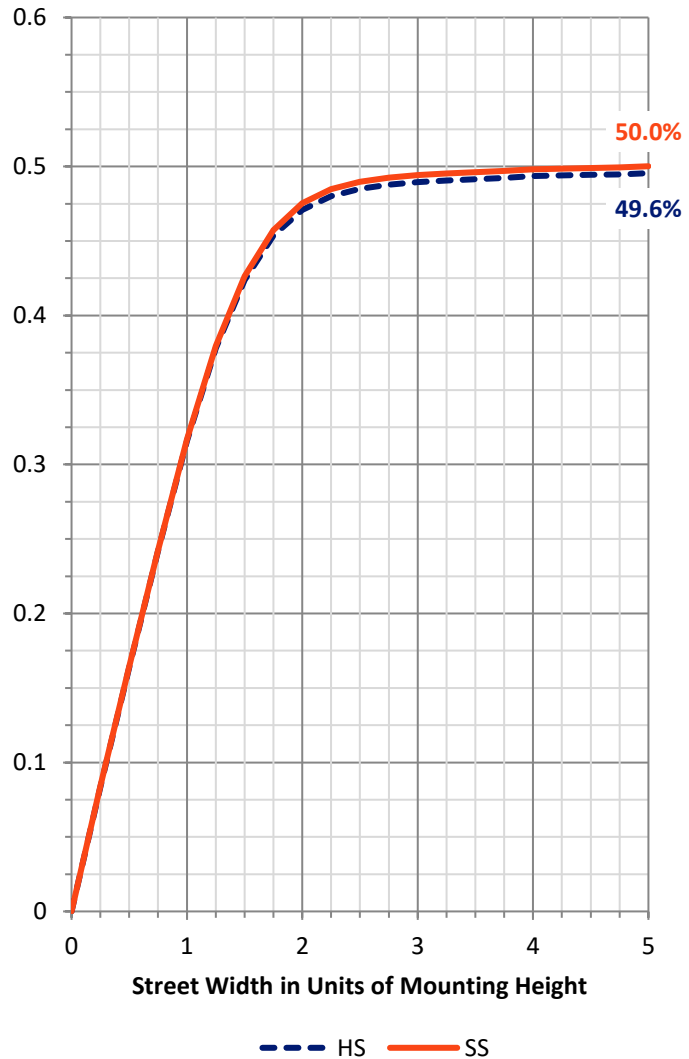
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3400.9	0.0	3400.9
	% Fixture	49.8	0.0	49.8
Street Side	Lumens	3426.1	0.0	3426.1
	% Fixture	50.2	0.0	50.2
Total	Lumens	6827.0	0.0	6827.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	0.5
10°-20°	165.7	2.4
20°-30°	358.2	5.2
30°-40°	683.4	10.0
40°-50°	1241.5	18.2
50°-60°	1744.0	25.5
60°-70°	1665.2	24.4
70°-80°	854.6	12.5
80°-90°	78.3	1.1
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°	6827.0	100.0
0°-180°	6827.0	100.0

Coefficient of Utilization



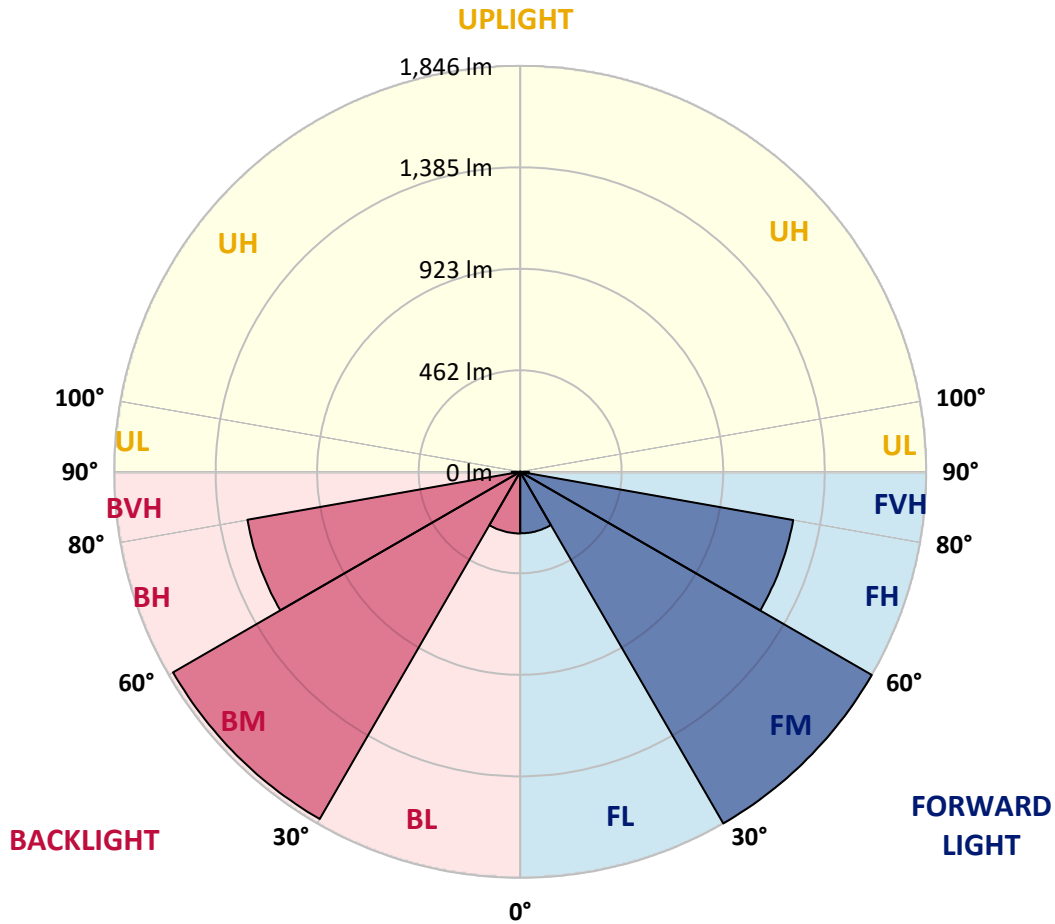
REPORT NUMBER: P367130
 CATALOG NUMBER: PMM-SA2A-727-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.7	4.1			
FM (30°-60°)	1846.1	27.0			
FH (60°-80°)	1260.6	18.5			G1/1800
FVH (80°-90°)	39.8	0.6			G1/100
BL (0°-30°)	280.3	4.1	B1/500		
BM (30°-60°)	1822.8	26.7	B2/2500		
BH (60°-80°)	1259.2	18.4	B3/2500		G3/2500
BVH (80°-90°)	38.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P367130

CATALOG NUMBER: PMM-SA2A-727-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6
2.5°	290.2	279.5	265.9	273.9	277.2	283.1	282.2	279.5	267.6	287.5	289.7
5°	363.3	346.1	339.8	338.7	340.3	334.8	352.8	347.5	357.2	375.2	379.3
7.5°	413.6	400.9	387.4	391.5	374.4	371.9	395.1	415.9	421.1	454.0	456.3
10°	437.4	425.0	428.6	426.1	424.2	440.2	451.0	466.2	488.1	491.1	495.8
12.5°	457.6	462.6	478.4	477.8	503.8	532.3	528.2	544.0	547.6	585.7	574.1
15°	508.8	519.1	518.0	527.6	539.0	585.7	586.0	612.9	637.5	652.4	648.6
17.5°	583.8	587.4	572.5	573.0	605.9	625.0	646.3	641.6	705.8	735.2	737.1
20°	628.6	637.8	620.6	597.9	656.3	682.6	694.5	667.1	735.7	775.3	775.3
22.5°	706.9	683.4	657.4	642.2	693.7	721.6	720.2	712.5	749.0	819.0	812.4
25°	750.1	736.8	723.8	727.7	753.7	768.1	787.2	769.2	803.5	855.5	833.7
27.5°	832.0	807.4	743.5	794.4	794.4	783.6	824.0	832.6	810.1	894.8	911.1
30°	924.7	916.1	825.6	879.6	863.0	832.6	910.0	904.5	866.9	953.2	945.7
32.5°	1012.4	1040.6	954.9	925.2	950.1	961.8	921.1	937.7	944.9	1028.2	1024.6
35°	1146.9	1170.7	1057.0	1049.5	1008.0	997.2	1028.2	1033.7	1034.3	1122.0	1105.9
37.5°	1379.6	1345.3	1232.9	1180.1	1184.8	1171.8	1177.9	1134.1	1140.2	1267.5	1275.5
40°	1549.7	1511.0	1385.9	1348.0	1255.1	1310.7	1261.4	1257.0	1244.8	1409.7	1405.3
42.5°	1737.6	1684.5	1546.1	1495.5	1396.7	1374.0	1351.3	1402.5	1399.2	1551.9	1585.7
45°	1879.5	1772.2	1700.0	1668.4	1609.2	1553.6	1532.0	1555.0	1544.5	1657.9	1716.9
47.5°	1969.2	1875.9	1792.9	1726.5	1669.8	1806.2	1696.9	1666.2	1644.9	1771.9	1828.6
50°	2040.6	1932.9	1835.0	1812.9	1857.7	1978.3	1805.9	1738.2	1764.2	1857.7	1934.9
52.5°	2059.9	1946.0	1858.0	1843.9	1965.0	1986.9	1959.0	1845.0	1838.0	1960.6	2053.9
55°	2000.7	1891.4	1849.7	1926.9	2060.8	2042.5	2085.1	2012.4	1963.4	2065.8	2183.1
57.5°	1848.3	1739.8	1729.9	1841.1	2009.9	2165.4	2186.4	2128.8	2064.6	2173.1	2311.5
60°	1597.9	1498.8	1524.0	1646.8	1901.4	2122.8	2234.5	2182.0	2162.0	2270.0	2430.4
62.5°	1208.0	1130.8	1198.1	1369.3	1703.3	2067.7	2300.9	2292.6	2263.9	2372.9	2535.6
65°	770.3	729.6	798.2	972.3	1395.9	1967.5	2332.8	2343.8	2370.4	2452.3	2616.9
67.5°	447.7	426.1	467.9	610.4	994.1	1615.6	2273.5	2432.4	2446.2	2493.2	2670.3
70°	264.8	250.7	267.8	342.8	562.8	1100.7	1939.3	2393.6	2498.2	2530.9	2724.3
72.5°	202.0	188.7	181.2	202.8	293.8	568.6	1311.2	2029.0	2456.4	2506.0	2701.6
75°	174.6	161.9	153.0	154.9	174.9	270.0	710.8	1451.2	2093.1	2281.9	2495.5
77.5°	150.0	138.6	132.3	131.7	134.2	148.3	297.2	786.9	1311.0	1640.2	1799.0
80°	120.1	111.2	109.8	109.8	106.2	105.1	147.8	299.4	498.9	591.6	567.2
82.5°	87.7	78.9	87.7	86.6	81.1	76.6	94.1	129.5	153.8	121.5	96.0
85°	59.2	51.2	57.8	58.9	53.7	39.8	56.4	64.7	66.4	41.5	34.3
87.5°	20.8	20.2	32.6	28.5	23.2	13.6	20.8	22.4	23.5	14.7	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367130

CATALOG NUMBER: PMM-SA2A-727-U-RW

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6
2.5°	290.5	287.2	270.6	273.1	279.5	282.5	285.5	273.1	267.0	286.4	284.4
5°	380.4	368.3	354.7	352.8	353.6	341.7	348.6	345.6	347.0	359.4	361.9
7.5°	455.7	441.0	423.1	408.9	384.6	365.2	381.6	389.9	392.3	414.5	422.8
10°	496.4	483.9	478.7	452.1	444.1	441.6	437.7	424.4	439.1	433.8	438.0
12.5°	576.1	573.6	546.2	528.8	530.4	535.1	510.8	497.5	478.4	508.3	497.5
15°	643.9	654.6	627.3	595.4	579.7	587.7	569.1	549.8	532.6	541.8	530.1
17.5°	730.5	730.2	676.8	642.7	641.4	640.8	613.4	570.8	591.3	584.9	585.5
20°	776.4	768.9	702.5	663.2	696.7	684.8	660.2	605.4	629.2	636.9	641.9
22.5°	814.8	810.7	730.2	701.4	723.0	723.3	698.6	669.9	666.8	690.9	677.9
25°	841.7	858.3	782.5	775.6	785.0	775.6	751.5	732.7	720.5	756.5	720.5
27.5°	905.3	881.8	790.5	829.8	835.6	788.3	818.4	796.3	762.6	807.1	821.8
30°	950.7	964.5	846.9	906.2	899.2	855.5	868.0	867.1	826.7	913.6	903.4
32.5°	1028.7	1012.1	939.1	934.4	951.0	949.0	928.0	938.3	948.2	1011.3	1026.5
35°	1108.7	1126.4	998.0	1029.8	1025.1	995.2	1050.3	1043.9	1073.6	1203.0	1160.2
37.5°	1289.1	1204.7	1130.3	1126.1	1157.7	1162.4	1144.7	1172.6	1236.5	1336.1	1382.1
40°	1407.2	1368.8	1242.3	1247.3	1203.6	1278.9	1229.1	1319.0	1367.7	1535.6	1519.3
42.5°	1586.0	1492.2	1370.7	1387.3	1378.5	1342.2	1407.8	1454.0	1523.7	1651.8	1734.6
45°	1719.1	1590.4	1532.9	1522.6	1521.5	1584.6	1576.3	1650.2	1675.1	1771.4	1840.0
47.5°	1820.1	1710.8	1625.5	1637.2	1603.4	1783.5	1687.5	1710.5	1760.8	1851.6	1931.6
50°	1939.9	1818.1	1721.3	1750.1	1832.2	1901.4	1814.5	1775.2	1799.9	1906.9	1996.0
52.5°	2050.8	1922.7	1816.2	1840.3	1974.4	1942.9	1933.5	1834.2	1831.1	1917.2	2018.4
55°	2180.6	2036.2	1942.1	2018.4	2066.0	2027.0	2012.1	1891.2	1816.5	1864.3	1959.8
57.5°	2307.9	2148.5	2055.0	2070.7	2131.1	2092.3	1980.3	1794.0	1700.8	1710.2	1806.8
60°	2427.1	2251.7	2174.5	2159.3	2207.4	2055.5	1859.3	1616.1	1492.5	1469.8	1553.3
62.5°	2529.2	2338.0	2265.0	2223.5	2269.4	2056.9	1670.9	1330.6	1194.7	1117.8	1182.8
65°	2610.3	2409.7	2357.7	2336.1	2352.7	1931.8	1377.4	977.0	810.4	725.2	763.1
67.5°	2664.2	2449.8	2426.0	2454.2	2232.9	1608.9	1020.4	625.3	471.2	424.7	448.5
70°	2720.1	2485.2	2484.4	2388.4	1893.4	1109.2	596.0	360.5	274.2	256.2	271.2
72.5°	2701.3	2443.2	2455.6	2088.7	1312.1	592.9	314.6	203.9	185.7	192.0	205.3
75°	2501.5	2221.3	2161.2	1501.6	744.3	275.6	181.2	154.4	153.3	163.0	176.0
77.5°	1814.5	1547.0	1388.1	851.1	319.0	149.1	133.4	128.9	128.9	136.7	148.3
80°	598.2	517.7	539.5	329.3	150.8	102.9	104.0	106.0	105.4	107.4	117.0
82.5°	98.2	101.8	157.4	134.5	91.0	70.3	78.6	82.5	83.6	74.7	84.9
85°	34.9	39.3	67.0	62.3	52.6	35.4	51.7	57.8	57.0	49.8	55.1
87.5°	10.8	13.8	24.3	18.8	15.8	9.7	19.4	22.7	28.5	11.6	10.5
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)