

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: P1211627

Luminaire Tested: **ARCH4-60-750-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-60-750-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11251 lumens
Efficiency: N/A
Efficacy: 178.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63
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

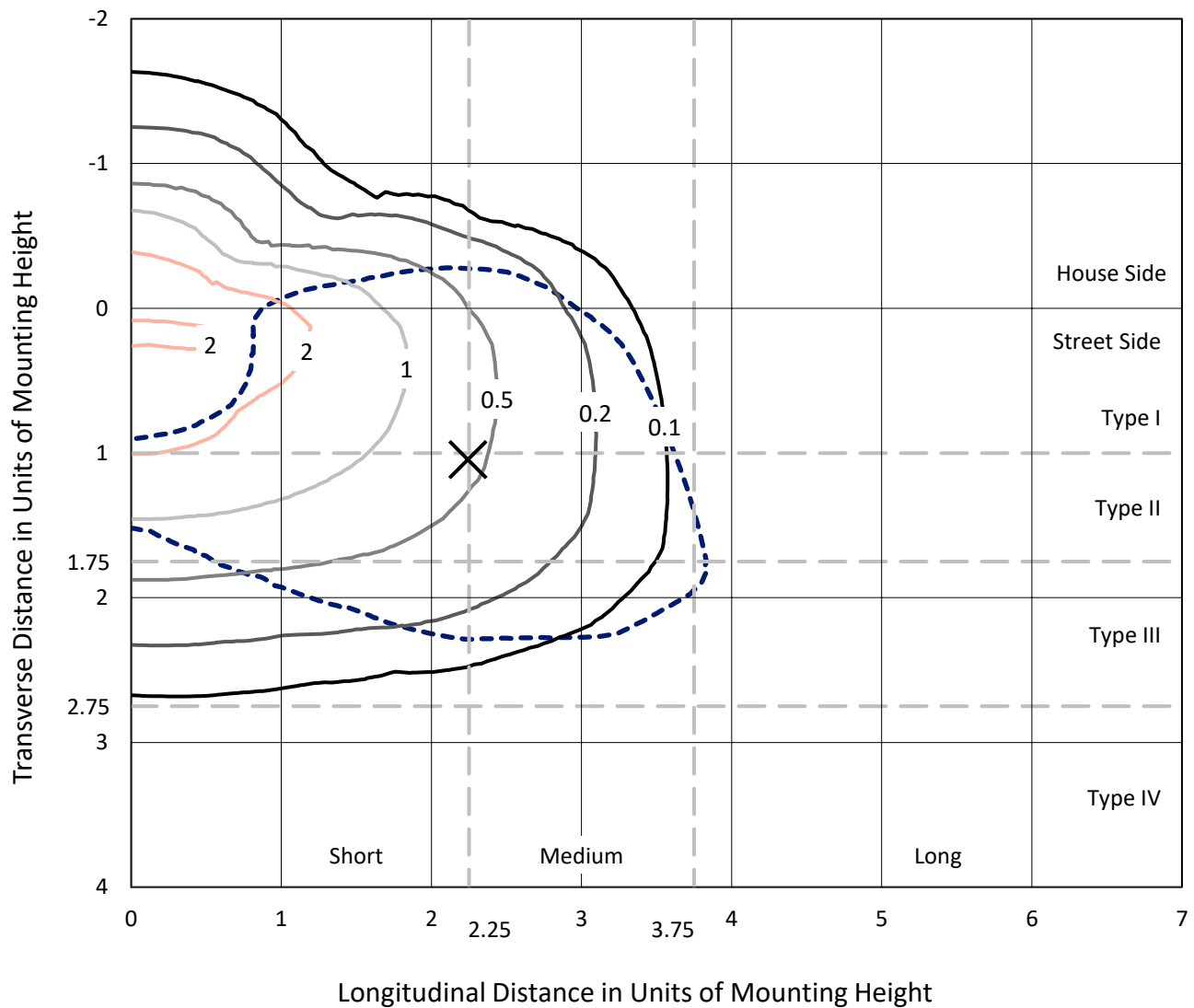


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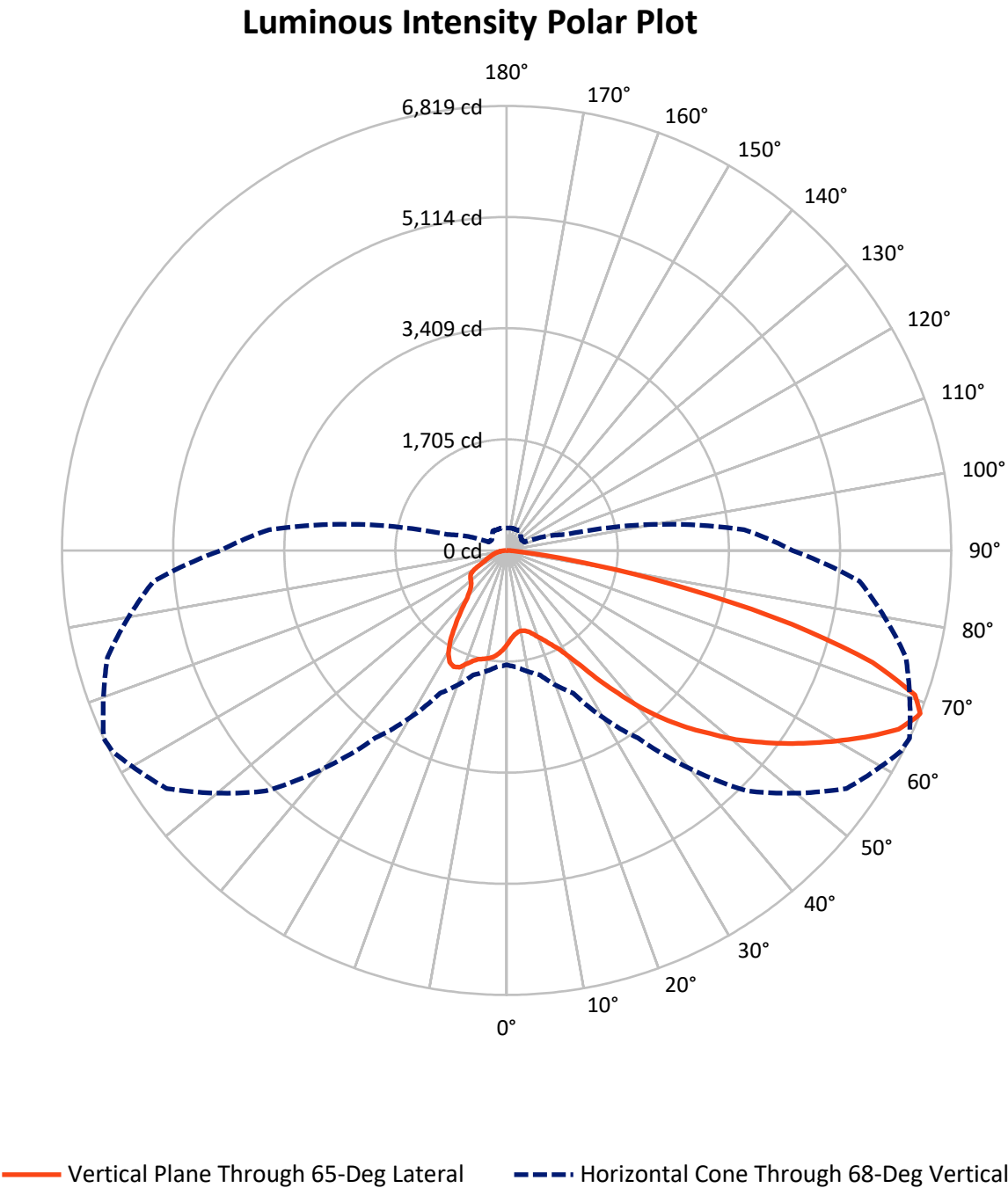
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2758.4	0.0	2758.4
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	8492.6	0.0	8492.6
	% Fixture	75.5	0.0	75.5
Total	Lumens	11251.0	0.0	11251.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	1.2
10°-20°	447.4	4.0
20°-30°	809.7	7.2
30°-40°	1273.8	11.3
40°-50°	1897.2	16.9
50°-60°	2488.7	22.1
60°-70°	2721.6	24.2
70°-80°	1346.7	12.0
80°-90°	128.5	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°	11251.0	100.0
0°-180°	11251.0	100.0

Coefficient of Utilization



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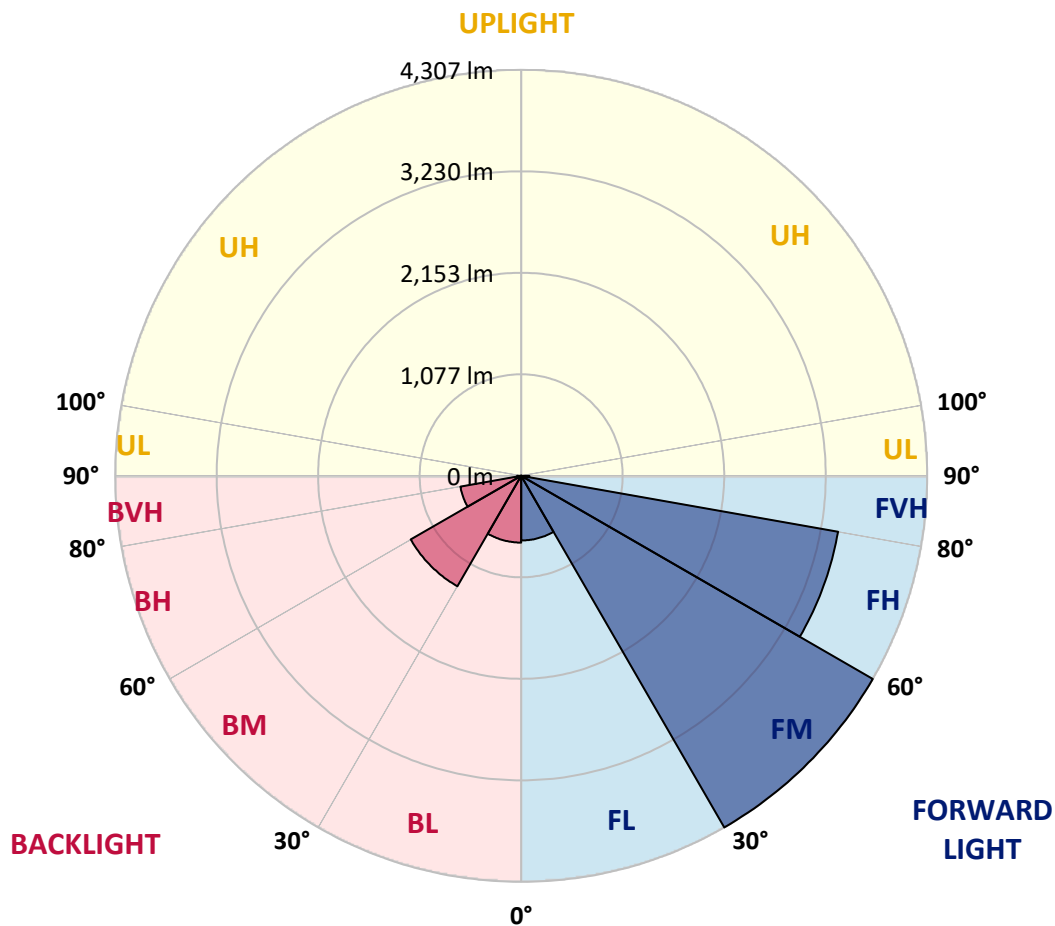
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	685.9	6.1			
FM	(30°-60°)	4306.7	38.3			
FH	(60°-80°)	3413.6	30.3			G2/5000
FVH	(80°-90°)	86.4	0.8			G1/100
BL	(0°-30°)	708.7	6.3	B2/1000		
BM	(30°-60°)	1353.0	12.0	B2/2500		
BH	(60°-80°)	654.7	5.8	B2/1000		G2/1000
BVH	(80°-90°)	42.1	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7
2.5°	1254.9	1252.0	1259.3	1266.5	1282.5	1301.4	1327.5	1349.2	1352.1	1392.8	1424.7
5°	1180.9	1176.6	1183.9	1192.6	1199.8	1223.0	1250.6	1282.5	1295.6	1355.0	1423.2
7.5°	1188.2	1186.8	1189.7	1186.8	1186.8	1196.9	1215.8	1247.7	1262.2	1333.3	1430.5
10°	1230.3	1233.2	1234.6	1225.9	1217.2	1212.9	1218.7	1240.4	1250.6	1334.7	1462.4
12.5°	1299.9	1304.3	1305.7	1289.8	1278.2	1259.3	1249.1	1257.8	1265.1	1349.2	1507.4
15°	1394.2	1397.1	1387.0	1376.8	1347.8	1324.6	1299.9	1292.7	1295.6	1379.7	1558.2
17.5°	1504.5	1500.1	1500.1	1475.5	1437.7	1401.5	1360.8	1355.0	1355.0	1429.0	1630.7
20°	1624.9	1629.2	1616.2	1582.8	1545.1	1488.5	1447.9	1421.8	1424.7	1485.6	1719.2
22.5°	1799.0	1806.2	1771.4	1723.5	1665.5	1600.2	1542.2	1500.1	1501.6	1559.6	1810.6
25°	1986.1	1989.0	1967.3	1903.4	1825.1	1732.3	1655.4	1601.7	1600.2	1642.3	1928.1
27.5°	2177.6	2190.7	2147.2	2086.2	2013.7	1897.6	1796.1	1723.5	1711.9	1768.5	2074.6
30°	2375.0	2390.9	2348.8	2289.4	2199.4	2100.8	1980.3	1896.2	1888.9	1964.4	2270.5
32.5°	2573.7	2578.1	2544.7	2495.4	2414.1	2321.3	2224.1	2131.2	2124.0	2247.3	2524.4
35°	2736.2	2749.3	2726.0	2714.4	2655.0	2569.4	2475.1	2421.4	2440.2	2598.4	2853.7
37.5°	2932.1	2945.1	2919.0	2916.1	2897.2	2823.3	2758.0	2762.3	2781.2	2995.9	3200.5
40°	3215.0	3229.5	3162.7	3133.7	3133.7	3061.2	3039.4	3142.4	3167.1	3387.6	3561.7
42.5°	3454.4	3477.6	3438.4	3419.5	3363.0	3312.2	3338.3	3483.4	3525.4	3761.9	3876.5
45°	3570.4	3587.8	3634.2	3689.4	3634.2	3545.8	3644.4	3808.3	3867.8	4107.2	4191.4
47.5°	3632.8	3648.8	3702.4	3850.4	3888.1	3814.1	3953.4	4158.0	4198.6	4449.6	4491.7
50°	3641.5	3692.3	3761.9	3909.9	4082.5	4092.7	4263.9	4513.4	4561.3	4786.2	4755.7
52.5°	3570.4	3590.7	3734.4	3983.9	4175.4	4349.5	4601.9	4854.4	4889.2	5102.5	4989.3
55°	3454.4	3483.4	3627.0	3966.5	4265.3	4593.2	4945.8	5189.5	5228.7	5410.0	5205.5
57.5°	3349.9	3364.4	3518.2	3915.7	4355.3	4837.0	5251.9	5539.1	5565.3	5679.9	5365.1
60°	3233.8	3249.8	3403.6	3806.9	4422.0	5021.2	5571.1	5891.7	5914.9	5964.2	5550.8
62.5°	2933.5	2975.6	3168.5	3627.0	4404.6	5231.6	5912.0	6239.9	6268.9	6215.2	5697.3
65°	2382.2	2441.7	2678.2	3219.3	4242.1	5368.0	6190.6	6560.5	6609.8	6403.8	5736.5
67.5°	1849.8	1891.8	2081.9	2554.9	3672.0	5299.8	6370.5	6781.0	6795.5	6373.4	5518.8
68°	1754.0	1796.1	1977.4	2415.6	3513.8	5218.5	6366.1	6786.8	6818.8	6340.0	5434.7
70°	1342.0	1389.9	1562.5	1913.6	2832.0	4702.0	6100.6	6647.6	6643.2	5936.7	4912.4
72.5°	838.6	866.1	985.1	1207.1	1873.0	3577.7	5177.9	5862.7	5874.3	4839.9	3767.7
75°	532.4	532.4	526.6	584.7	960.4	2038.4	3849.0	4513.4	4522.1	3389.1	2375.0
77.5°	462.8	449.7	387.4	327.9	383.0	792.1	2277.8	2914.7	2866.8	1825.1	1127.3
80°	390.3	368.5	317.7	264.0	246.6	248.1	874.8	1479.8	1416.0	657.2	374.3
82.5°	281.5	262.6	239.4	207.5	190.1	148.0	182.8	428.0	417.8	190.1	121.9
85°	152.3	137.8	134.9	136.4	114.6	91.4	76.9	94.3	94.3	82.7	69.6
87.5°	53.7	39.2	46.4	52.2	45.0	37.7	30.5	36.3	37.7	36.3	33.4
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°	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7
2.5°	1443.5	1458.1	1492.9	1523.3	1545.1	1564.0	1574.1	1578.5	1588.6	1590.1	1587.2
5°	1455.2	1492.9	1545.1	1590.1	1614.7	1624.9	1627.8	1629.2	1624.9	1627.8	1624.9
7.5°	1485.6	1533.5	1607.5	1646.7	1651.0	1635.0	1636.5	1630.7	1636.5	1642.3	1642.3
10°	1532.0	1593.0	1662.6	1677.1	1658.3	1649.6	1667.0	1701.8	1713.4	1729.4	1729.4
12.5°	1593.0	1665.5	1714.8	1701.8	1684.4	1713.4	1764.2	1799.0	1810.6	1816.4	1812.0
15°	1662.6	1741.0	1765.6	1722.1	1754.0	1816.4	1833.8	1813.5	1784.5	1771.4	1778.7
17.5°	1751.1	1816.4	1801.9	1772.9	1845.4	1854.1	1797.5	1732.3	1685.8	1668.4	1680.0
20°	1844.0	1900.5	1833.8	1846.9	1891.8	1799.0	1691.6	1607.5	1566.9	1559.6	1571.2
22.5°	1942.6	1978.9	1865.7	1932.5	1865.7	1677.1	1548.0	1504.5	1494.3	1505.9	1516.1
25°	2054.3	2050.0	1920.9	1958.6	1768.5	1527.7	1450.8	1447.9	1447.9	1455.2	1469.7
27.5°	2180.5	2112.4	1976.0	1923.8	1600.2	1404.4	1389.9	1391.3	1387.0	1388.4	1395.7
30°	2327.1	2196.5	2036.9	1809.1	1411.6	1311.5	1305.7	1301.4	1291.2	1288.3	1291.2
32.5°	2511.3	2285.0	2099.3	1620.5	1246.2	1215.8	1212.9	1189.7	1165.0	1162.1	1172.2
35°	2744.9	2446.0	2131.2	1384.1	1109.9	1108.4	1098.3	1062.0	1030.1	1030.1	1022.8
37.5°	3011.9	2653.5	2144.3	1153.4	996.7	1004.0	974.9	928.5	903.8	889.3	893.7
40°	3284.6	2890.0	2142.8	951.7	898.0	899.5	877.7	821.2	760.2	723.9	732.7
42.5°	3547.2	3104.7	2105.1	844.4	818.3	813.9	796.5	719.6	668.8	639.8	641.3
45°	3757.6	3326.7	2047.1	780.5	745.7	753.0	713.8	667.4	620.9	594.8	593.4
47.5°	3967.9	3495.0	1954.2	741.4	692.0	679.0	663.0	631.1	596.3	567.3	568.7
50°	4159.4	3638.6	1867.2	715.2	642.7	609.3	612.2	593.4	562.9	536.8	535.3
52.5°	4294.4	3732.9	1819.3	700.7	583.2	547.0	557.1	547.0	517.9	499.1	497.6
55°	4429.3	3805.4	1835.3	681.9	517.9	488.9	506.3	503.4	487.5	481.7	483.1
57.5°	4538.1	3860.6	1891.8	647.1	455.6	438.1	467.2	458.5	446.8	448.3	448.3
60°	4644.0	3931.7	1958.6	567.3	401.9	403.3	430.9	414.9	407.7	420.7	422.2
62.5°	4754.3	4008.6	1903.4	451.2	355.4	365.6	397.5	384.5	387.4	406.2	412.0
65°	4741.2	4001.3	1550.9	370.0	314.8	335.1	383.0	378.7	380.1	387.4	390.3
67.5°	4474.3	3746.0	1066.3	314.8	285.8	310.5	371.4	354.0	355.4	351.1	352.5
68°	4384.3	3656.0	940.1	306.1	280.0	304.7	365.6	349.6	351.1	346.7	345.3
70°	3893.9	3130.8	594.8	269.8	259.7	288.7	336.6	330.8	329.3	326.4	326.4
72.5°	2968.3	2311.1	313.4	233.6	236.5	264.0	300.3	311.9	304.7	306.1	314.8
75°	1965.8	1389.9	217.6	200.2	207.5	226.3	266.9	290.2	282.9	287.3	282.9
77.5°	1040.2	748.6	174.1	169.7	169.7	182.8	220.5	256.8	256.8	253.9	249.5
80°	340.9	264.0	139.3	133.5	136.4	143.6	177.0	210.4	214.7	208.9	206.0
82.5°	114.6	121.9	104.5	97.2	100.1	105.9	133.5	161.0	162.5	150.9	148.0
85°	71.1	81.2	65.3	63.8	63.8	65.3	81.2	88.5	81.2	72.5	75.4
87.5°	33.4	40.6	30.5	26.1	21.8	18.9	14.5	5.8	5.8	2.9	2.9
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)