

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: P1210805

Luminaire Tested: **ARCH3-80-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-80-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 650mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11133 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 81.9
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

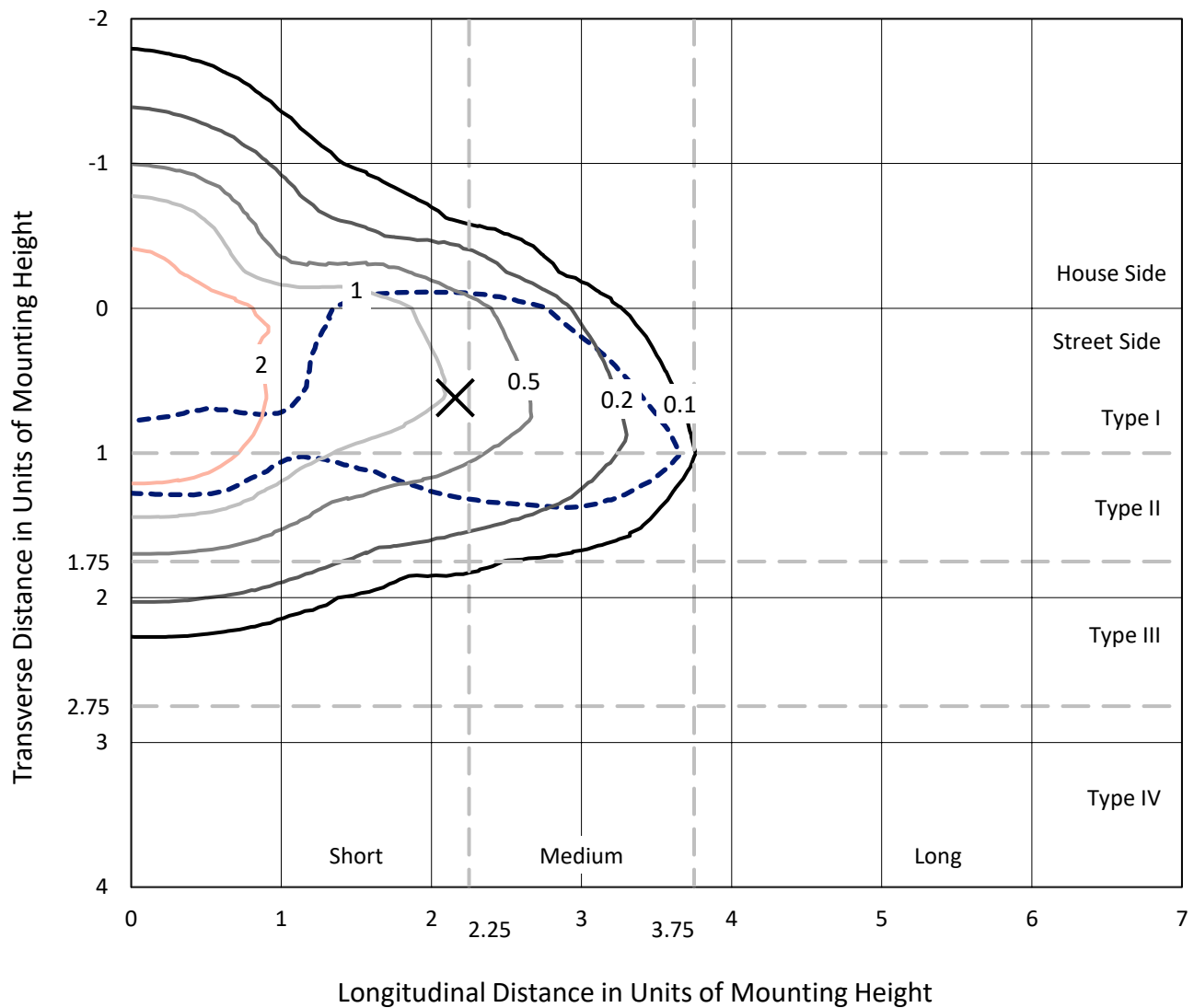


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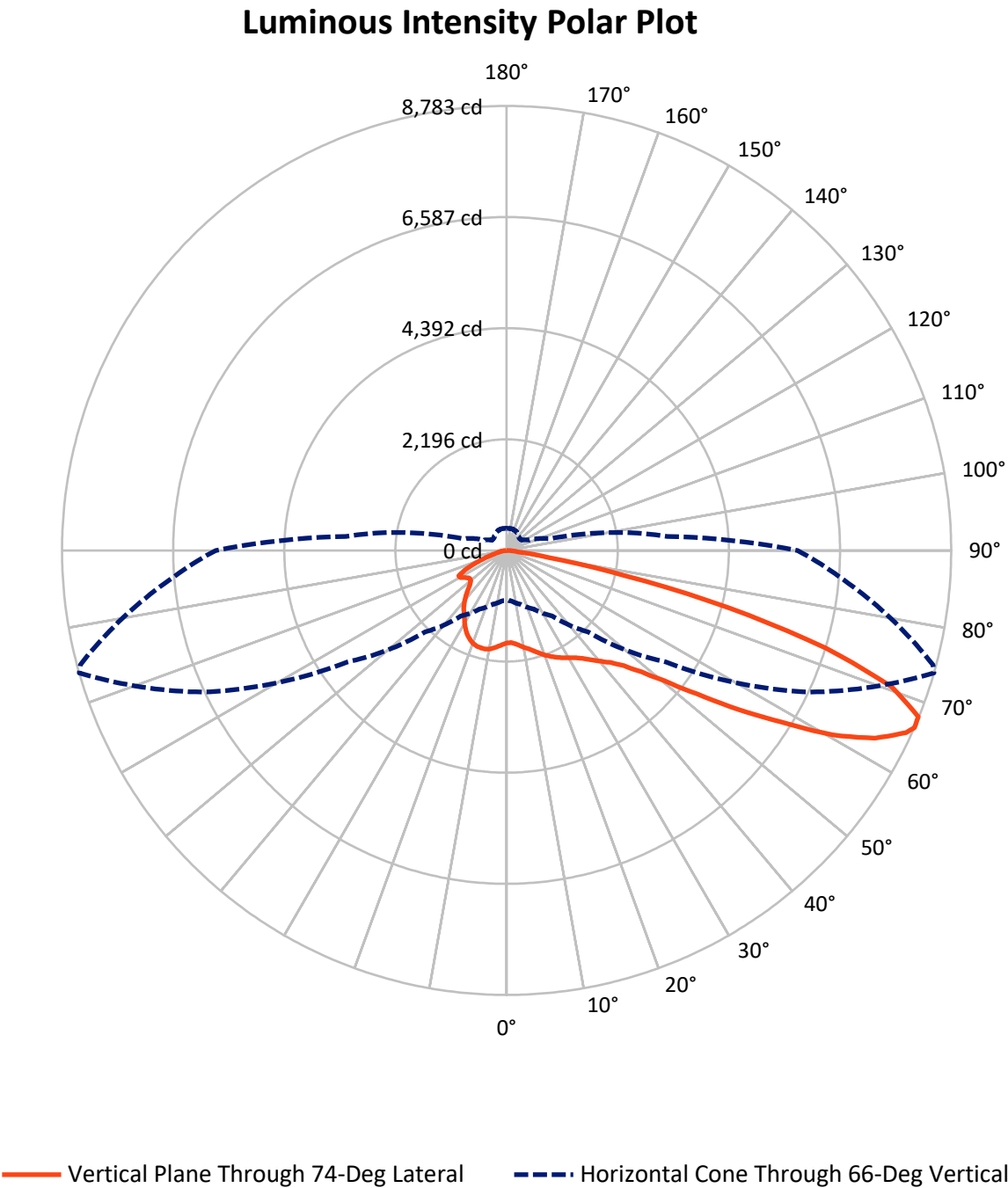
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2711.2	0.0	2711.2
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	8421.8	0.0	8421.8
	% Fixture	75.6	0.0	75.6
Total	Lumens	11133.0	0.0	11133.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	1.6
10°-20°	535.4	4.8
20°-30°	1004.6	9.0
30°-40°	1545.4	13.9
40°-50°	2078.7	18.7
50°-60°	2458.3	22.1
60°-70°	2274.0	20.4
70°-80°	956.7	8.6
80°-90°	105.9	1.0
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°	11133.0	100.0
0°-180°	11133.0	100.0

Coefficient of Utilization



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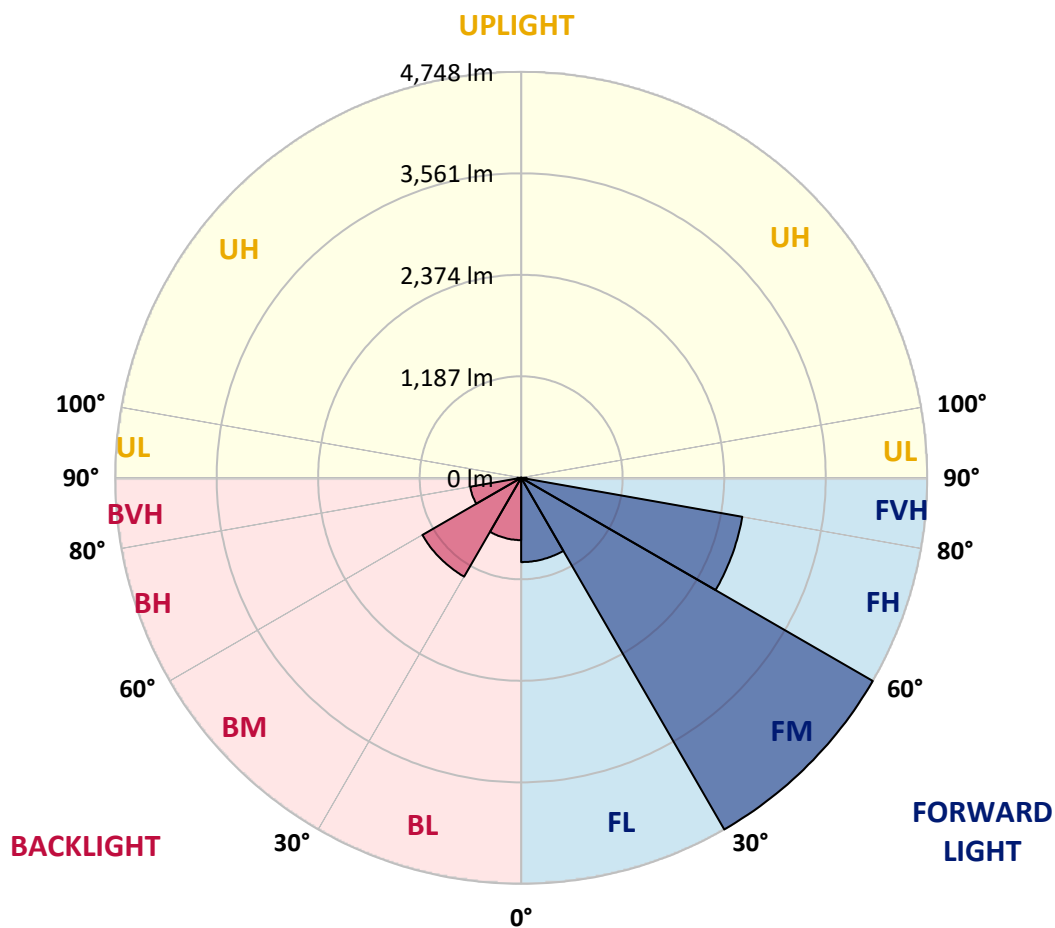
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	985.4	8.9			
FM	(30°-60°)	4747.6	42.6			
FH	(60°-80°)	2625.5	23.6			G2/5000
FVH	(80°-90°)	63.3	0.6			G1/100
BL	(0°-30°)	728.7	6.5	B2/1000		
BM	(30°-60°)	1334.7	12.0	B2/2500		
BH	(60°-80°)	605.2	5.4	B2/1000		G2/1000
BVH	(80°-90°)	42.5	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1
2.5°	1819.3	1816.5	1822.2	1830.8	1835.1	1827.9	1825.1	1823.6	1823.6	1819.3	1826.5
5°	1733.4	1732.0	1744.8	1760.6	1790.7	1812.2	1840.8	1858.0	1852.3	1843.7	1849.4
7.5°	1621.6	1618.8	1634.5	1664.6	1706.2	1753.4	1823.6	1878.1	1899.6	1896.7	1895.3
10°	1664.6	1661.8	1660.3	1651.7	1666.1	1711.9	1785.0	1880.9	1954.0	1955.4	1956.9
12.5°	1813.6	1820.8	1813.6	1786.4	1754.9	1737.7	1780.7	1888.1	1999.8	2008.4	2044.2
15°	2017.0	2009.9	1995.5	1964.0	1915.3	1863.7	1832.2	1921.0	2065.7	2072.9	2151.7
17.5°	2196.1	2201.8	2193.2	2163.2	2105.8	2038.5	1942.5	1978.4	2135.9	2156.0	2266.3
20°	2390.9	2413.8	2402.4	2365.1	2317.9	2217.6	2097.3	2061.4	2213.3	2227.6	2385.2
22.5°	2615.8	2640.2	2618.7	2582.9	2544.2	2421.0	2266.3	2163.2	2277.8	2307.8	2499.8
25°	2885.2	2908.1	2888.0	2832.2	2783.4	2633.0	2448.2	2277.8	2340.8	2373.7	2592.9
27.5°	3098.6	3115.8	3134.4	3101.5	3027.0	2870.8	2637.3	2396.7	2403.8	2438.2	2678.9
30°	3289.1	3332.1	3347.9	3352.2	3289.1	3114.4	2830.7	2519.9	2458.3	2494.1	2764.8
32.5°	3549.9	3614.3	3588.5	3614.3	3577.1	3343.6	3031.3	2647.4	2528.5	2561.4	2846.5
35°	3930.9	3982.5	3915.2	3895.1	3834.9	3575.6	3224.7	2779.1	2621.6	2657.4	2923.8
37.5°	4340.6	4399.4	4301.9	4221.7	4107.1	3804.9	3390.8	2952.5	2750.5	2779.1	2995.5
40°	4698.8	4747.5	4663.0	4556.9	4365.0	4006.8	3534.1	3074.3	2879.4	2915.2	3078.6
42.5°	5029.7	5061.2	4966.7	4864.9	4608.5	4188.8	3688.8	3203.2	3029.8	3064.2	3145.9
45°	5364.9	5389.3	5257.5	5112.8	4811.9	4355.0	3859.3	3383.7	3250.5	3296.3	3254.8
47.5°	5425.1	5432.2	5409.3	5311.9	4972.4	4514.0	4069.9	3625.8	3587.1	3637.2	3442.4
50°	5008.2	5072.7	5214.5	5310.5	5036.8	4647.2	4280.5	3972.5	4051.3	4115.7	3832.1
52.5°	4198.8	4260.4	4588.5	4952.3	4882.1	4677.3	4506.8	4412.3	4705.9	4783.3	4362.1
55°	3345.0	3399.4	3746.1	4270.4	4382.2	4539.8	4748.9	4973.8	5541.1	5592.7	4943.7
57.5°	2754.8	2784.9	3032.7	3537.0	3716.0	4100.0	4879.3	5641.4	6390.6	6469.4	5449.4
60°	2259.1	2292.1	2476.9	2892.3	3130.1	3471.1	4776.1	6300.4	7404.9	7404.9	6098.4
62.5°	1700.4	1729.1	1901.0	2226.2	2625.9	2938.2	4446.6	6737.3	8169.8	8135.5	6568.2
65°	1167.5	1190.4	1315.1	1531.4	1891.0	2504.1	3996.8	6743.0	8677.0	8631.1	6768.8
66°	979.9	999.9	1105.9	1280.7	1583.0	2272.0	3837.8	6621.2	8783.0	8718.5	6684.3
67.5°	773.6	787.9	858.1	961.2	1160.4	1839.4	3587.1	6276.0	8772.9	8734.3	6469.4
70°	553.0	563.0	614.6	636.1	686.2	1064.4	2849.3	5496.7	8069.6	8081.0	5624.2
72.5°	428.3	444.1	475.6	479.9	468.4	565.9	1729.1	4585.6	6601.2	6596.9	4174.5
75°	345.2	353.8	369.6	378.2	375.3	365.3	732.0	3420.9	4544.0	4597.1	2337.9
77.5°	272.2	270.8	285.1	296.5	305.1	286.5	335.2	2005.6	2382.3	2315.0	878.2
80°	200.6	200.6	220.6	224.9	237.8	240.7	223.5	773.6	818.0	743.5	227.8
82.5°	131.8	131.8	153.3	156.1	169.0	187.7	161.9	232.1	226.3	214.9	103.1
85°	71.6	68.8	75.9	86.0	93.1	110.3	97.4	116.0	118.9	117.5	68.8
87.5°	14.3	12.9	20.1	22.9	25.8	34.4	31.5	47.3	65.9	64.5	30.1
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°	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1	1825.1
2.5°	1836.5	1835.1	1850.9	1869.5	1891.0	1903.9	1909.6	1919.6	1912.5	1915.3	1923.9
5°	1863.7	1868.0	1891.0	1915.3	1925.3	1918.2	1902.4	1896.7	1883.8	1880.9	1878.1
7.5°	1903.9	1911.0	1933.9	1939.7	1909.6	1859.5	1823.6	1803.6	1782.1	1776.4	1773.5
10°	1969.8	1974.1	1979.8	1921.0	1846.6	1779.2	1734.8	1716.2	1701.9	1690.4	1693.3
12.5°	2052.8	2050.0	2005.6	1883.8	1777.8	1709.0	1678.9	1667.5	1657.5	1650.3	1648.9
15°	2157.4	2137.4	2009.9	1832.2	1713.3	1656.0	1634.5	1630.2	1618.8	1618.8	1617.3
17.5°	2263.4	2211.9	2007.0	1777.8	1651.7	1620.2	1607.3	1604.5	1601.6	1600.2	1604.5
20°	2369.4	2277.8	1984.1	1710.5	1608.8	1590.1	1587.3	1588.7	1585.8	1590.1	1587.3
22.5°	2462.6	2320.7	1941.1	1638.8	1578.7	1577.2	1570.1	1572.9	1583.0	1584.4	1588.7
25°	2534.2	2336.5	1878.1	1572.9	1557.2	1554.3	1562.9	1574.4	1583.0	1584.4	1591.6
27.5°	2592.9	2327.9	1799.3	1521.4	1519.9	1535.7	1561.5	1565.8	1567.2	1567.2	1561.5
30°	2637.3	2309.3	1699.0	1464.1	1471.2	1509.9	1534.3	1534.3	1522.8	1519.9	1528.5
32.5°	2647.4	2284.9	1590.1	1405.3	1416.8	1462.6	1492.7	1482.7	1469.8	1469.8	1475.5
35°	2655.9	2252.0	1502.7	1325.1	1342.3	1396.7	1425.4	1405.3	1391.0	1386.7	1385.3
37.5°	2653.1	2239.1	1424.0	1223.4	1246.3	1299.3	1317.9	1299.3	1277.8	1267.8	1280.7
40°	2655.9	2230.5	1325.1	1111.7	1134.6	1166.1	1190.4	1176.1	1156.1	1130.3	1143.2
42.5°	2673.1	2241.9	1216.2	1002.8	1002.8	1020.0	1061.5	1051.5	1002.8	992.8	1004.2
45°	2764.8	2303.5	1107.4	893.9	878.2	889.6	932.6	889.6	859.5	859.5	869.6
47.5°	2986.9	2418.1	1011.4	797.9	760.7	783.6	795.1	755.0	732.0	726.3	736.3
50°	3439.6	2647.4	954.1	719.1	673.3	690.5	683.3	681.9	659.0	661.8	667.6
52.5°	4127.2	3094.3	936.9	680.5	623.2	627.5	620.3	623.2	618.9	633.2	637.5
55°	4876.4	3565.6	958.4	686.2	588.8	558.7	561.6	575.9	593.1	616.0	620.3
57.5°	5436.5	3802.0	1014.2	724.9	545.8	500.0	507.1	534.3	567.3	585.9	595.9
60°	5853.4	3773.3	1095.9	734.9	494.2	447.0	459.8	500.0	528.6	544.4	554.4
62.5°	5989.5	3594.3	1116.0	661.8	426.9	396.8	428.3	469.9	482.8	500.0	507.1
65°	5877.8	3340.7	969.8	537.2	375.3	359.6	405.4	436.9	454.1	462.7	464.1
66°	5746.0	3188.9	891.0	488.5	356.7	348.1	396.8	422.6	439.8	438.4	439.8
67.5°	5456.6	2870.8	763.5	419.7	329.5	330.9	382.5	399.7	405.4	401.1	401.1
70°	4472.4	2021.3	547.2	318.0	289.4	309.4	343.8	348.1	361.0	355.3	355.3
72.5°	2757.7	992.8	366.7	243.5	257.9	289.4	287.9	302.3	332.4	340.9	346.7
75°	1355.2	402.5	242.1	206.3	230.6	242.1	239.2	275.0	318.0	355.3	368.2
77.5°	514.3	200.6	169.0	180.5	186.2	181.9	190.5	249.3	318.0	385.4	398.2
80°	159.0	139.0	133.2	149.0	140.4	133.2	143.3	206.3	269.3	292.2	292.2
82.5°	96.0	108.9	103.1	101.7	94.5	96.0	103.1	147.6	207.7	217.7	217.7
85°	67.3	71.6	58.7	55.9	54.4	53.0	53.0	86.0	123.2	121.8	126.1
87.5°	25.8	28.7	21.5	21.5	20.1	14.3	11.5	14.3	14.3	10.0	7.2
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)