

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: P1211625

Luminaire Tested: **ARCH4-60-750-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211625
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: ARCH4-60-750-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11274 lumens
Efficiency: N/A
Efficacy: 179.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - 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

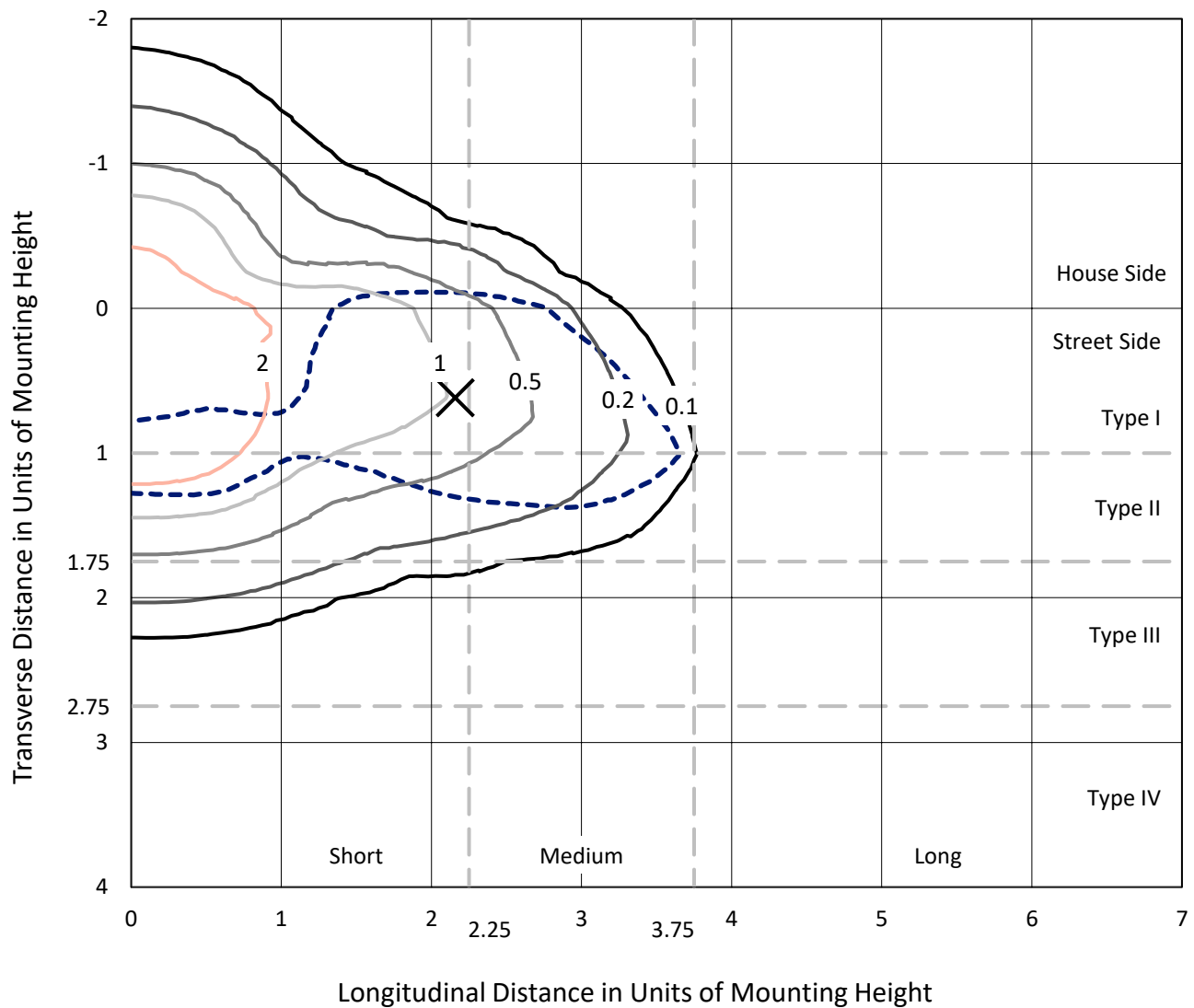


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Iso-Footcandle Lines of Horizontal Illumination

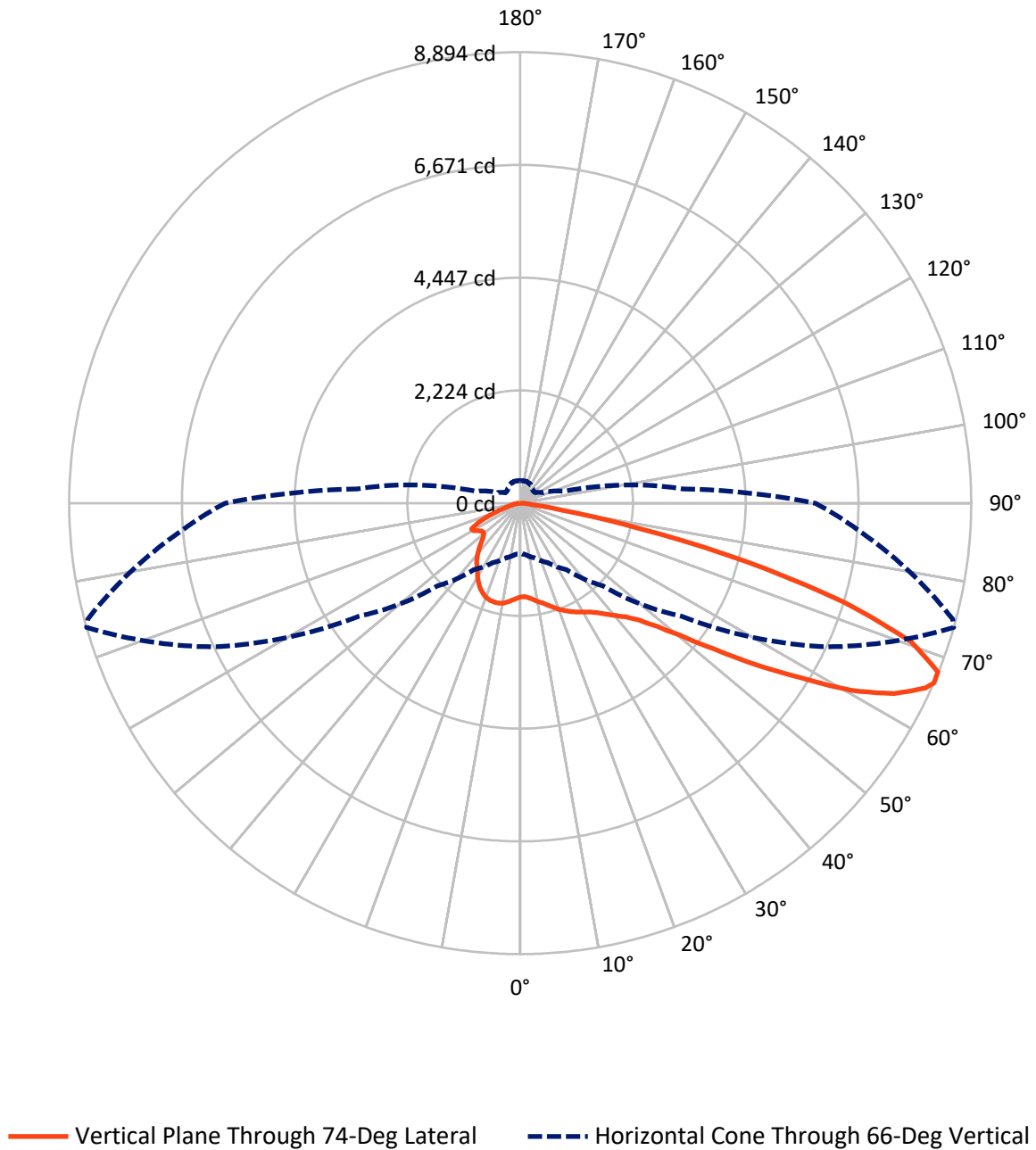
✕ Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2745.5	0.0	2745.5
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	8528.5	0.0	8528.5
	% Fixture	75.6	0.0	75.6
Total	Lumens	11274.0	0.0	11274.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	1.6
10°-20°	542.2	4.8
20°-30°	1017.4	9.0
30°-40°	1565.0	13.9
40°-50°	2105.0	18.7
50°-60°	2489.4	22.1
60°-70°	2302.8	20.4
70°-80°	968.8	8.6
80°-90°	107.2	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°	11274.0	100.0
0°-180°	11274.0	100.0

Coefficient of Utilization



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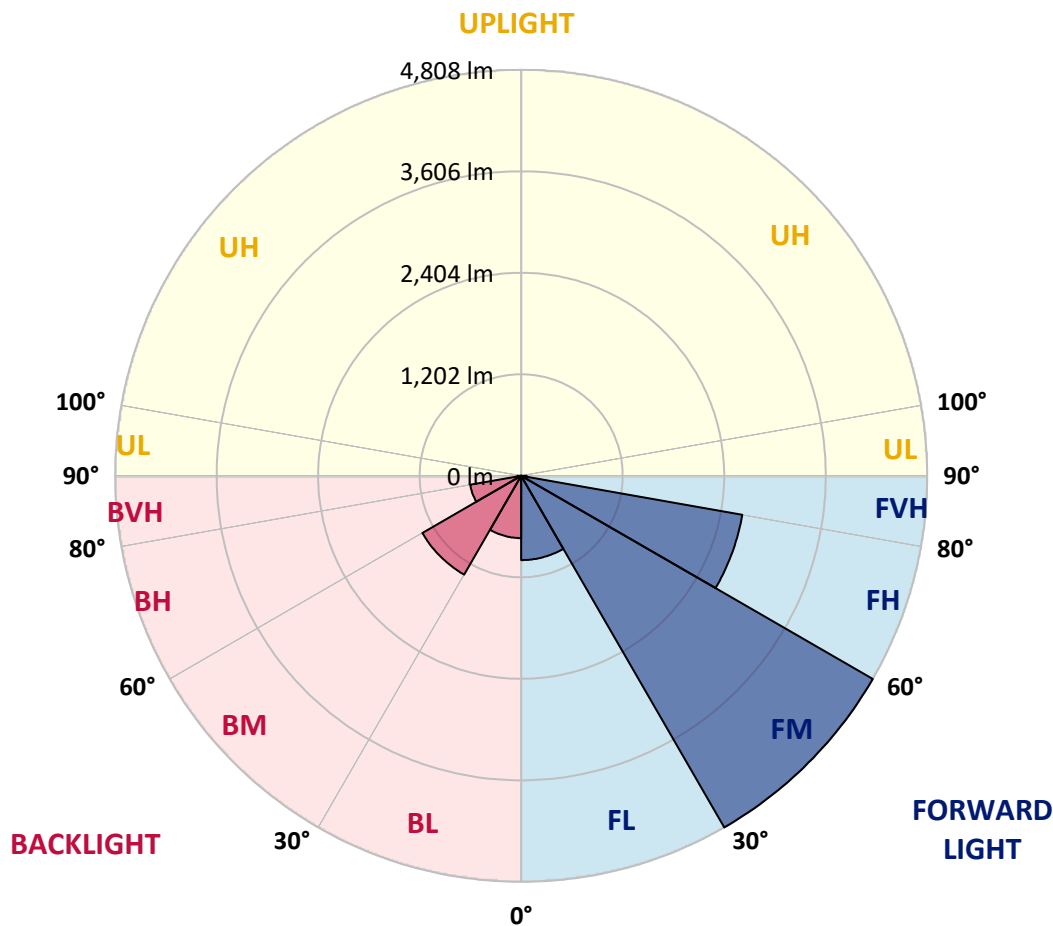
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	997.9	8.9			
FM	(30°-60°)	4807.7	42.6			
FH	(60°-80°)	2658.7	23.6			G2/5000
FVH	(80°-90°)	64.1	0.6			G1/100
BL	(0°-30°)	737.9	6.5	B2/1000		
BM	(30°-60°)	1351.6	12.0	B2/2500		
BH	(60°-80°)	612.9	5.4	B2/1000		G2/1000
BVH	(80°-90°)	43.1	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2
2.5°	1842.4	1839.5	1845.3	1854.0	1858.3	1851.1	1848.2	1846.7	1846.7	1842.4	1849.6
5°	1755.3	1753.9	1766.9	1782.9	1813.4	1835.1	1864.1	1881.5	1875.7	1867.0	1872.8
7.5°	1642.2	1639.3	1655.2	1685.7	1727.8	1775.6	1846.7	1901.9	1923.6	1920.7	1919.3
10°	1685.7	1682.8	1681.4	1672.6	1687.2	1733.6	1807.6	1904.8	1978.7	1980.2	1981.6
12.5°	1836.6	1843.8	1836.6	1809.0	1777.1	1759.7	1803.2	1912.0	2025.2	2033.9	2070.1
15°	2042.6	2035.3	2020.8	1988.9	1939.6	1887.4	1855.4	1945.4	2091.9	2099.2	2178.9
17.5°	2223.9	2229.7	2221.0	2190.5	2132.5	2064.3	1967.1	2003.4	2163.0	2183.3	2295.0
20°	2421.2	2444.4	2432.8	2395.1	2347.2	2245.7	2123.8	2087.5	2241.3	2255.8	2415.4
22.5°	2649.0	2673.6	2651.9	2615.6	2576.4	2451.7	2295.0	2190.5	2306.6	2337.1	2531.5
25°	2921.7	2944.9	2924.6	2868.0	2818.7	2666.4	2479.2	2306.6	2370.4	2403.8	2625.8
27.5°	3137.8	3155.3	3174.1	3140.8	3065.3	2907.2	2670.7	2427.0	2434.3	2469.1	2712.8
30°	3330.8	3374.3	3390.3	3394.6	3330.8	3153.8	2866.6	2551.8	2489.4	2525.7	2799.8
32.5°	3594.8	3660.1	3634.0	3660.1	3622.4	3385.9	3069.7	2680.9	2560.5	2593.8	2882.5
35°	3980.7	4032.9	3964.7	3944.4	3883.5	3620.9	3265.5	2814.3	2654.8	2691.0	2960.9
37.5°	4395.6	4455.1	4356.4	4275.2	4159.1	3853.0	3433.8	2989.9	2785.3	2814.3	3033.4
40°	4758.3	4807.6	4722.0	4614.7	4420.3	4057.6	3578.9	3113.2	2915.9	2952.2	3117.5
42.5°	5093.4	5125.3	5029.6	4926.6	4666.9	4241.8	3735.5	3243.8	3068.2	3103.0	3185.7
45°	5432.8	5457.5	5324.0	5177.5	4872.9	4410.1	3908.2	3426.5	3291.6	3338.0	3296.0
47.5°	5493.8	5501.0	5477.8	5379.2	5035.4	4571.1	4121.4	3671.7	3632.5	3683.3	3486.0
50°	5071.6	5136.9	5280.5	5377.7	5100.6	4706.0	4334.7	4022.8	4102.6	4167.8	3880.6
52.5°	4252.0	4314.4	4646.6	5015.0	4944.0	4736.5	4563.9	4468.1	4765.5	4843.9	4417.4
55°	3387.4	3442.5	3793.6	4324.5	4437.7	4597.2	4809.0	5036.8	5611.3	5663.5	5006.3
57.5°	2789.7	2820.1	3071.1	3581.8	3763.1	4151.9	4941.1	5712.8	6471.5	6551.3	5518.4
60°	2287.7	2321.1	2508.2	2929.0	3169.8	3515.0	4836.6	6380.1	7498.6	7498.6	6175.6
62.5°	1722.0	1751.0	1925.1	2254.4	2659.1	2975.4	4503.0	6822.6	8273.3	8238.5	6651.4
65°	1182.3	1205.5	1331.7	1550.8	1914.9	2535.8	4047.4	6828.4	8786.9	8740.4	6854.5
66°	992.3	1012.6	1119.9	1296.9	1603.0	2300.8	3886.4	6705.1	8894.2	8828.9	6768.9
67.5°	783.4	797.9	869.0	973.4	1175.1	1862.7	3632.5	6355.5	8884.0	8844.9	6551.3
70°	560.0	570.1	622.3	644.1	694.9	1077.9	2885.4	5566.3	8171.8	8183.4	5695.4
72.5°	433.8	449.7	481.6	486.0	474.4	573.0	1751.0	4643.7	6684.8	6680.4	4227.3
75°	349.6	358.3	374.3	383.0	380.1	369.9	741.3	3464.3	4601.6	4655.3	2367.5
77.5°	275.6	274.2	288.7	300.3	309.0	290.1	339.5	2031.0	2412.5	2344.3	889.3
80°	203.1	203.1	223.4	227.8	240.8	243.7	226.3	783.4	828.3	752.9	230.7
82.5°	133.5	133.5	155.2	158.1	171.2	190.0	163.9	235.0	229.2	217.6	104.4
85°	72.5	69.6	76.9	87.0	94.3	111.7	98.6	117.5	120.4	119.0	69.6
87.5°	14.5	13.1	20.3	23.2	26.1	34.8	31.9	47.9	66.7	65.3	30.5
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°	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2
2.5°	1859.8	1858.3	1874.3	1893.2	1914.9	1928.0	1933.8	1943.9	1936.7	1939.6	1948.3
5°	1887.4	1891.7	1914.9	1939.6	1949.7	1942.5	1926.5	1920.7	1907.7	1904.8	1901.9
7.5°	1928.0	1935.2	1958.4	1964.2	1933.8	1883.0	1846.7	1826.4	1804.7	1798.9	1796.0
10°	1994.7	1999.1	2004.9	1945.4	1869.9	1801.8	1756.8	1737.9	1723.4	1711.8	1714.7
12.5°	2078.8	2075.9	2031.0	1907.7	1800.3	1730.7	1700.2	1688.6	1678.5	1671.2	1669.7
15°	2184.7	2164.4	2035.3	1855.4	1735.0	1677.0	1655.2	1650.9	1639.3	1639.3	1637.8
17.5°	2292.1	2239.9	2032.4	1800.3	1672.6	1640.7	1627.7	1624.8	1621.9	1620.4	1624.8
20°	2399.4	2306.6	2009.2	1732.1	1629.1	1610.3	1607.4	1608.8	1605.9	1610.3	1607.4
22.5°	2493.7	2350.1	1965.7	1659.6	1598.7	1597.2	1590.0	1592.9	1603.0	1604.5	1608.8
25°	2566.3	2366.1	1901.9	1592.9	1576.9	1574.0	1582.7	1594.3	1603.0	1604.5	1611.7
27.5°	2625.8	2357.4	1822.1	1540.6	1539.2	1555.1	1581.3	1585.6	1587.1	1587.1	1581.3
30°	2670.7	2338.5	1720.5	1482.6	1489.9	1529.0	1553.7	1553.7	1542.1	1539.2	1547.9
32.5°	2680.9	2313.9	1610.3	1423.1	1434.7	1481.2	1511.6	1501.5	1488.4	1488.4	1494.2
35°	2689.6	2280.5	1521.8	1341.9	1359.3	1414.4	1443.4	1423.1	1408.6	1404.3	1402.8
37.5°	2686.7	2267.4	1442.0	1238.9	1262.1	1315.8	1334.6	1315.8	1294.0	1283.9	1296.9
40°	2689.6	2258.7	1341.9	1125.7	1148.9	1180.9	1205.5	1191.0	1170.7	1144.6	1157.7
42.5°	2707.0	2270.3	1231.6	1015.5	1015.5	1032.9	1075.0	1064.8	1015.5	1005.3	1016.9
45°	2799.8	2332.7	1121.4	905.2	889.3	900.9	944.4	900.9	870.4	870.4	880.6
47.5°	3024.7	2448.8	1024.2	808.0	770.3	793.5	805.1	764.5	741.3	735.5	745.7
50°	3483.1	2680.9	966.2	728.2	681.8	699.2	692.0	690.5	667.3	670.2	676.0
52.5°	4179.4	3133.5	948.8	689.1	631.1	635.4	628.2	631.1	626.7	641.2	645.6
55°	4938.2	3610.8	970.5	694.9	596.2	565.8	568.7	583.2	600.6	623.8	628.2
57.5°	5505.4	3850.1	1027.1	734.1	552.7	506.3	513.5	541.1	574.5	593.3	603.5
60°	5927.5	3821.1	1109.8	744.2	500.5	452.6	465.7	506.3	535.3	551.3	561.4
62.5°	6065.3	3639.8	1130.1	670.2	432.3	401.8	433.8	475.8	488.9	506.3	513.5
65°	5952.2	3383.0	982.1	544.0	380.1	364.1	410.5	442.5	459.9	468.6	470.0
66°	5818.7	3229.2	902.3	494.7	361.2	352.5	401.8	428.0	445.4	443.9	445.4
67.5°	5525.7	2907.2	773.2	425.1	333.7	335.1	387.3	404.7	410.5	406.2	406.2
70°	4529.1	2046.9	554.2	322.1	293.0	313.3	348.2	352.5	365.6	359.8	359.8
72.5°	2792.6	1005.3	371.4	246.6	261.1	293.0	291.6	306.1	336.6	345.3	351.1
75°	1372.4	407.6	245.2	208.9	233.6	245.2	242.3	278.5	322.1	359.8	372.8
77.5°	520.8	203.1	171.2	182.8	188.6	184.2	192.9	252.4	322.1	390.2	403.3
80°	161.0	140.7	134.9	150.9	142.2	134.9	145.1	208.9	272.7	295.9	295.9
82.5°	97.2	110.3	104.4	103.0	95.7	97.2	104.4	149.4	210.4	220.5	220.5
85°	68.2	72.5	59.5	56.6	55.1	53.7	53.7	87.0	124.8	123.3	127.7
87.5°	26.1	29.0	21.8	21.8	20.3	14.5	11.6	14.5	14.5	10.2	7.3
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)