

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: P1211613

Luminaire Tested: **ARCH4-60-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211613
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: ARCH4-60-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

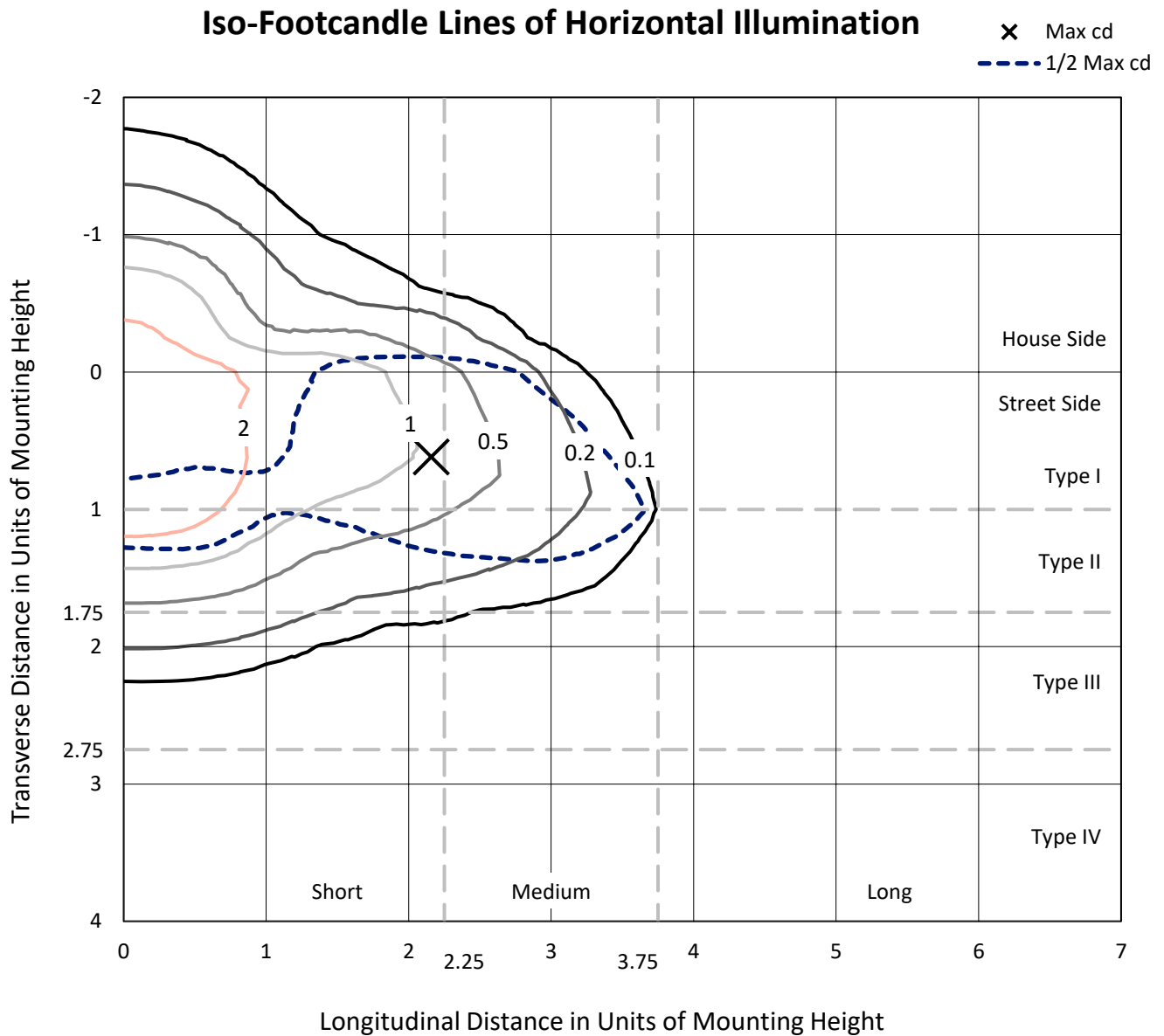
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10737 lumens
Efficiency: N/A
Efficacy: 170.4 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

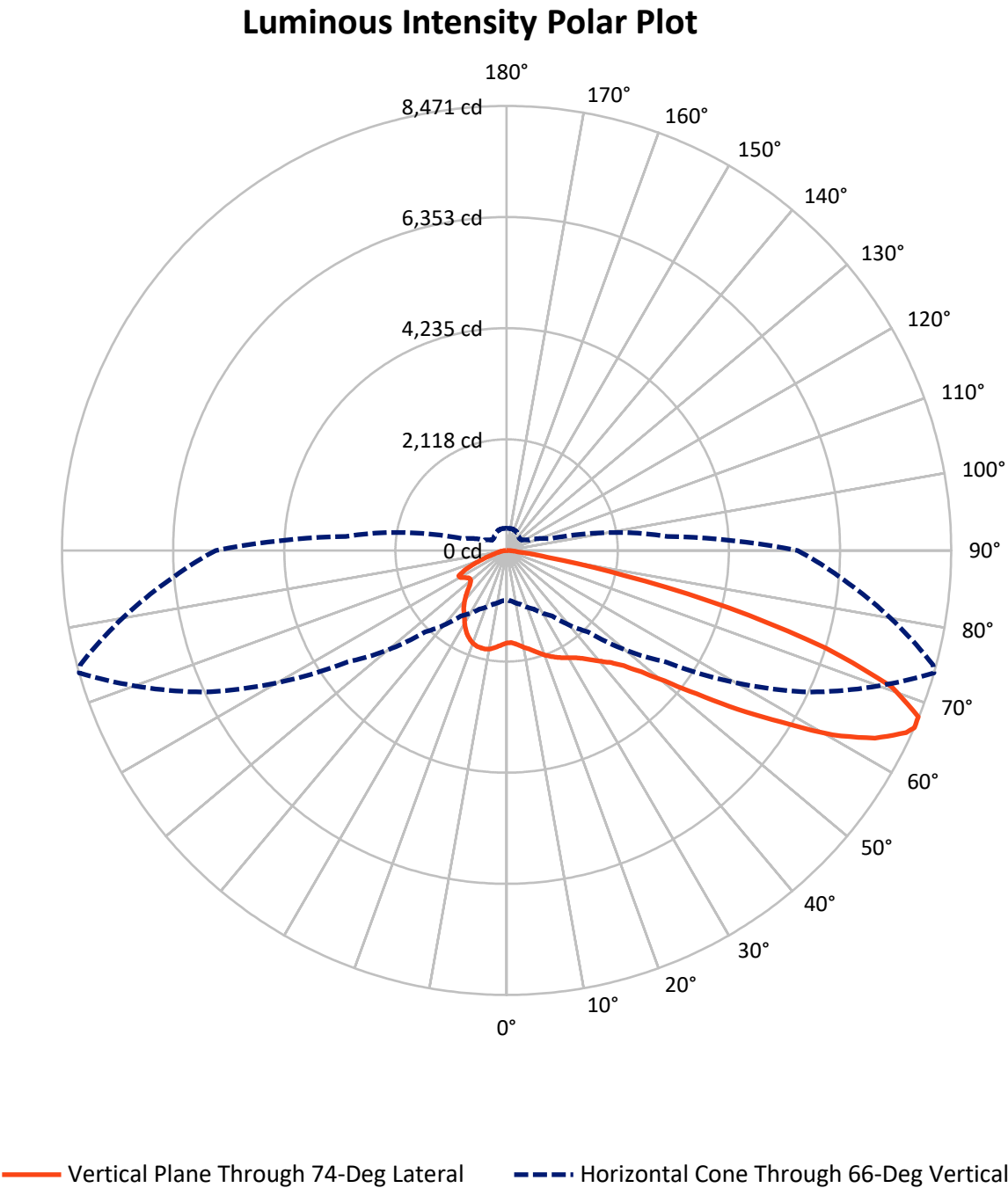


REPORT NUMBER: P1211613
CATALOG NUMBER: ARCH4-60-730-U-T2RE



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2614.8	0.0	2614.8
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	8122.3	0.0	8122.3
	% Fixture	75.6	0.0	75.6
Total	Lumens	10737.0	0.0	10737.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.9	1.6
10°-20°	516.3	4.8
20°-30°	968.9	9.0
30°-40°	1490.4	13.9
40°-50°	2004.7	18.7
50°-60°	2370.8	22.1
60°-70°	2193.2	20.4
70°-80°	922.6	8.6
80°-90°	102.1	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°	10737.0	100.0
0°-180°	10737.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211613

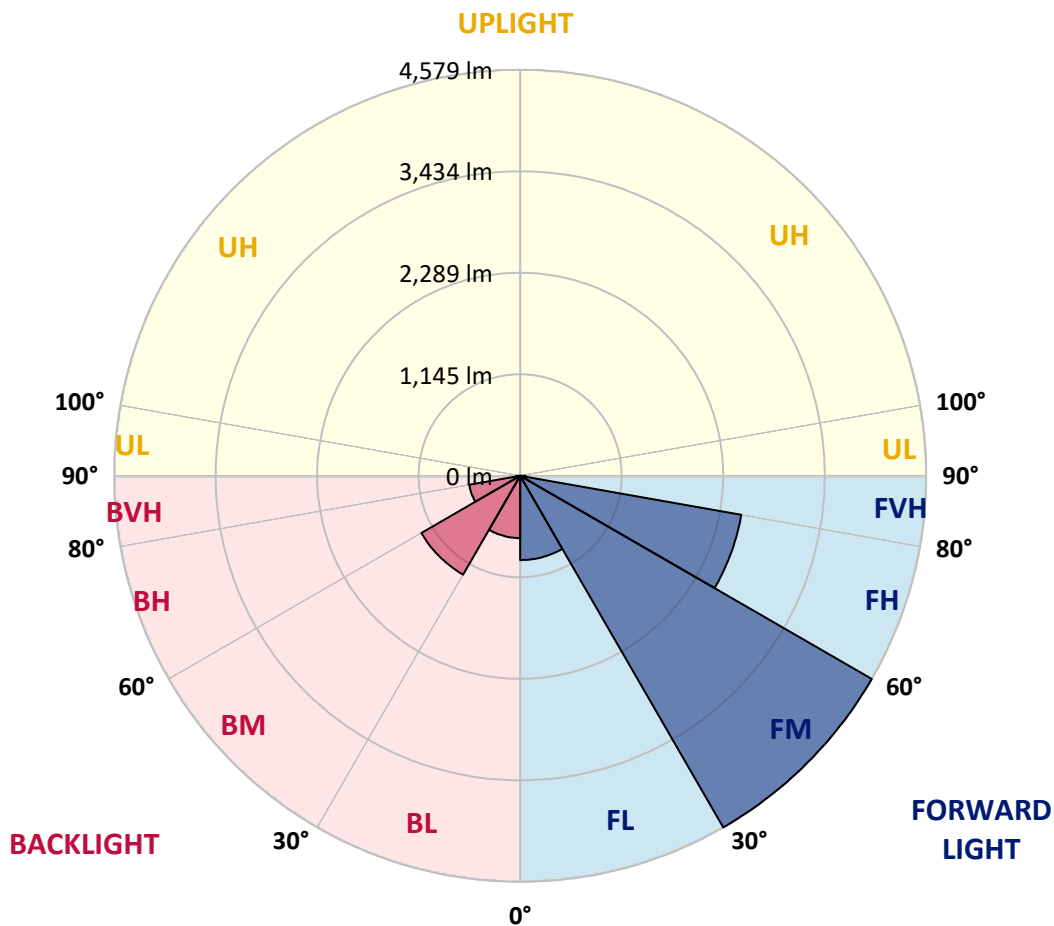
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	950.4	8.9			
FM	(30°-60°)	4578.7	42.6			
FH	(60°-80°)	2532.1	23.6			G2/5000
FVH	(80°-90°)	61.1	0.6			G1/100
BL	(0°-30°)	702.8	6.5	B2/1000		
BM	(30°-60°)	1287.2	12.0	B2/2500		
BH	(60°-80°)	583.7	5.4	B2/1000		G2/1000
BVH	(80°-90°)	41.0	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



REPORT NUMBER: P1211613

CATALOG NUMBER: ARCH4-60-730-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2
2.5°	1754.6	1751.9	1757.4	1765.7	1769.8	1762.9	1760.2	1758.8	1758.8	1754.6	1761.5
5°	1671.7	1670.3	1682.8	1698.0	1727.0	1747.7	1775.3	1791.9	1786.4	1778.1	1783.6
7.5°	1564.0	1561.2	1576.4	1605.4	1645.5	1691.1	1758.8	1811.3	1832.0	1829.2	1827.8
10°	1605.4	1602.6	1601.3	1593.0	1606.8	1651.0	1721.5	1814.0	1884.5	1885.9	1887.3
12.5°	1749.1	1756.0	1749.1	1722.8	1692.5	1675.9	1717.3	1820.9	1928.7	1937.0	1971.5
15°	1945.3	1938.4	1924.6	1894.2	1847.2	1797.5	1767.1	1852.7	1992.3	1999.2	2075.2
17.5°	2118.0	2123.5	2115.2	2086.2	2030.9	1966.0	1873.4	1908.0	2060.0	2079.3	2185.7
20°	2305.9	2328.0	2316.9	2281.0	2235.4	2138.7	2022.7	1988.1	2134.6	2148.4	2300.4
22.5°	2522.8	2546.3	2525.6	2491.0	2453.7	2334.9	2185.7	2086.2	2196.7	2225.7	2410.9
25°	2782.5	2804.6	2785.3	2731.4	2684.4	2539.4	2361.1	2196.7	2257.5	2289.3	2500.7
27.5°	2988.4	3005.0	3022.9	2991.2	2919.3	2768.7	2543.5	2311.4	2318.3	2351.5	2583.6
30°	3172.1	3213.6	3228.8	3232.9	3172.1	3003.6	2730.0	2430.2	2370.8	2405.4	2666.5
32.5°	3423.6	3485.8	3460.9	3485.8	3449.8	3224.6	2923.5	2553.2	2438.5	2470.3	2745.2
35°	3791.1	3840.8	3775.9	3756.6	3698.5	3448.5	3110.0	2680.3	2528.3	2562.9	2819.8
37.5°	4186.2	4242.9	4148.9	4071.6	3961.0	3669.5	3270.2	2847.5	2652.7	2680.3	2888.9
40°	4531.6	4578.6	4497.1	4394.9	4209.7	3864.3	3408.4	2964.9	2777.0	2811.5	2969.0
42.5°	4850.8	4881.2	4790.0	4691.9	4444.6	4039.8	3557.6	3089.2	2922.1	2955.2	3034.0
45°	5174.1	5197.6	5070.5	4930.9	4640.8	4200.0	3722.0	3263.3	3134.8	3179.0	3139.0
47.5°	5232.1	5239.0	5216.9	5123.0	4795.5	4353.4	3925.1	3496.8	3459.5	3507.9	3320.0
50°	4830.1	4892.2	5029.0	5121.6	4857.7	4481.9	4128.2	3831.2	3907.1	3969.3	3695.8
52.5°	4049.5	4108.9	4425.2	4776.2	4708.5	4510.9	4346.5	4255.3	4538.5	4613.1	4207.0
55°	3226.0	3278.5	3612.9	4118.5	4226.3	4378.3	4580.0	4796.9	5344.0	5393.7	4767.9
57.5°	2656.8	2685.8	2924.8	3411.2	3583.9	3954.1	4705.7	5440.7	6163.3	6239.3	5255.6
60°	2178.8	2210.6	2388.8	2789.4	3018.8	3347.6	4606.2	6076.3	7141.5	7141.5	5881.4
62.5°	1640.0	1667.6	1833.4	2147.0	2532.5	2833.7	4288.5	6497.6	7879.2	7846.1	6334.6
65°	1126.0	1148.1	1268.3	1476.9	1823.7	2415.0	3854.6	6503.2	8368.3	8324.1	6528.0
66°	945.0	964.4	1066.6	1235.1	1526.7	2191.2	3701.3	6385.7	8470.6	8408.4	6446.5
67.5°	746.1	759.9	827.6	927.0	1119.1	1774.0	3459.5	6052.8	8460.9	8423.6	6239.3
70°	533.3	543.0	592.7	613.4	661.8	1026.5	2748.0	5301.2	7782.5	7793.6	5424.1
72.5°	413.1	428.3	458.7	462.8	451.8	545.7	1667.6	4422.5	6366.4	6362.2	4026.0
75°	333.0	341.3	356.5	364.7	362.0	352.3	706.0	3299.2	4382.4	4433.5	2254.8
77.5°	262.5	261.1	274.9	286.0	294.3	276.3	323.3	1934.2	2297.6	2232.7	846.9
80°	193.4	193.4	212.8	216.9	229.3	232.1	215.5	746.1	788.9	717.0	219.7
82.5°	127.1	127.1	147.8	150.6	163.0	181.0	156.1	223.8	218.3	207.2	99.5
85°	69.1	66.3	73.2	82.9	89.8	106.4	93.9	111.9	114.7	113.3	66.3
87.5°	13.8	12.4	19.3	22.1	24.9	33.2	30.4	45.6	63.6	62.2	29.0
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: P1211613

CATALOG NUMBER: ARCH4-60-730-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2	1760.2
2.5°	1771.2	1769.8	1785.0	1803.0	1823.7	1836.1	1841.7	1851.3	1844.4	1847.2	1855.5
5°	1797.5	1801.6	1823.7	1847.2	1856.9	1850.0	1834.8	1829.2	1816.8	1814.0	1811.3
7.5°	1836.1	1843.0	1865.2	1870.7	1841.7	1793.3	1758.8	1739.4	1718.7	1713.2	1710.4
10°	1899.7	1903.8	1909.4	1852.7	1780.9	1715.9	1673.1	1655.2	1641.3	1630.3	1633.0
12.5°	1979.8	1977.1	1934.2	1816.8	1714.6	1648.2	1619.2	1608.2	1598.5	1591.6	1590.2
15°	2080.7	2061.3	1938.4	1767.1	1652.4	1597.1	1576.4	1572.3	1561.2	1561.2	1559.8
17.5°	2182.9	2133.2	1935.6	1714.6	1593.0	1562.6	1550.1	1547.4	1544.6	1543.2	1547.4
20°	2285.2	2196.7	1913.5	1649.6	1551.5	1533.6	1530.8	1532.2	1529.4	1533.6	1530.8
22.5°	2375.0	2238.2	1872.1	1580.5	1522.5	1521.1	1514.2	1517.0	1526.7	1528.0	1532.2
25°	2444.0	2253.4	1811.3	1517.0	1501.8	1499.0	1507.3	1518.4	1526.7	1528.0	1535.0
27.5°	2500.7	2245.1	1735.3	1467.3	1465.9	1481.1	1505.9	1510.1	1511.5	1511.5	1505.9
30°	2543.5	2227.1	1638.6	1412.0	1418.9	1456.2	1479.7	1479.7	1468.6	1465.9	1474.2
32.5°	2553.2	2203.6	1533.6	1355.3	1366.4	1410.6	1439.6	1430.0	1417.5	1417.5	1423.0
35°	2561.5	2171.9	1449.3	1278.0	1294.6	1347.1	1374.7	1355.3	1341.5	1337.4	1336.0
37.5°	2558.7	2159.4	1373.3	1179.9	1202.0	1253.1	1271.1	1253.1	1232.4	1222.7	1235.1
40°	2561.5	2151.1	1278.0	1072.1	1094.2	1124.6	1148.1	1134.3	1114.9	1090.1	1102.5
42.5°	2578.1	2162.2	1173.0	967.1	967.1	983.7	1023.8	1014.1	967.1	957.4	968.5
45°	2666.5	2221.6	1068.0	862.1	846.9	858.0	899.4	858.0	829.0	829.0	838.6
47.5°	2880.6	2332.1	975.4	769.5	733.6	755.7	766.8	728.1	706.0	700.5	710.1
50°	3317.2	2553.2	920.1	693.6	649.3	665.9	659.0	657.6	635.5	638.3	643.8
52.5°	3980.4	2984.2	903.6	656.3	601.0	605.1	598.2	601.0	596.8	610.7	614.8
55°	4702.9	3438.8	924.3	661.8	567.8	538.8	541.6	555.4	572.0	594.1	598.2
57.5°	5243.2	3666.8	978.2	699.1	526.4	482.2	489.1	515.3	547.1	565.1	574.7
60°	5645.2	3639.1	1056.9	708.8	476.7	431.1	443.5	482.2	509.8	525.0	534.7
62.5°	5776.4	3466.4	1076.3	638.3	411.7	382.7	413.1	453.2	465.6	482.2	489.1
65°	5668.7	3221.9	935.3	518.1	362.0	346.8	391.0	421.4	438.0	446.3	447.6
66°	5541.6	3075.4	859.4	471.1	344.0	335.7	382.7	407.6	424.1	422.8	424.1
67.5°	5262.5	2768.7	736.4	404.8	317.8	319.1	368.9	385.5	391.0	386.8	386.8
70°	4313.3	1949.4	527.8	306.7	279.1	298.4	331.6	335.7	348.2	342.6	342.6
72.5°	2659.6	957.4	353.7	234.9	248.7	279.1	277.7	291.5	320.5	328.8	334.3
75°	1307.0	388.2	233.5	198.9	222.4	233.5	230.7	265.3	306.7	342.6	355.1
77.5°	496.0	193.4	163.0	174.1	179.6	175.5	183.8	240.4	306.7	371.6	384.1
80°	153.4	134.0	128.5	143.7	135.4	128.5	138.2	198.9	259.7	281.8	281.8
82.5°	92.6	105.0	99.5	98.1	91.2	92.6	99.5	142.3	200.3	210.0	210.0
85°	64.9	69.1	56.6	53.9	52.5	51.1	51.1	82.9	118.8	117.4	121.6
87.5°	24.9	27.6	20.7	20.7	19.3	13.8	11.1	13.8	13.8	9.7	6.9
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)