

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: P1211671

Luminaire Tested: **ARCH4-80-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211671
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: ARCH4-80-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 685mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

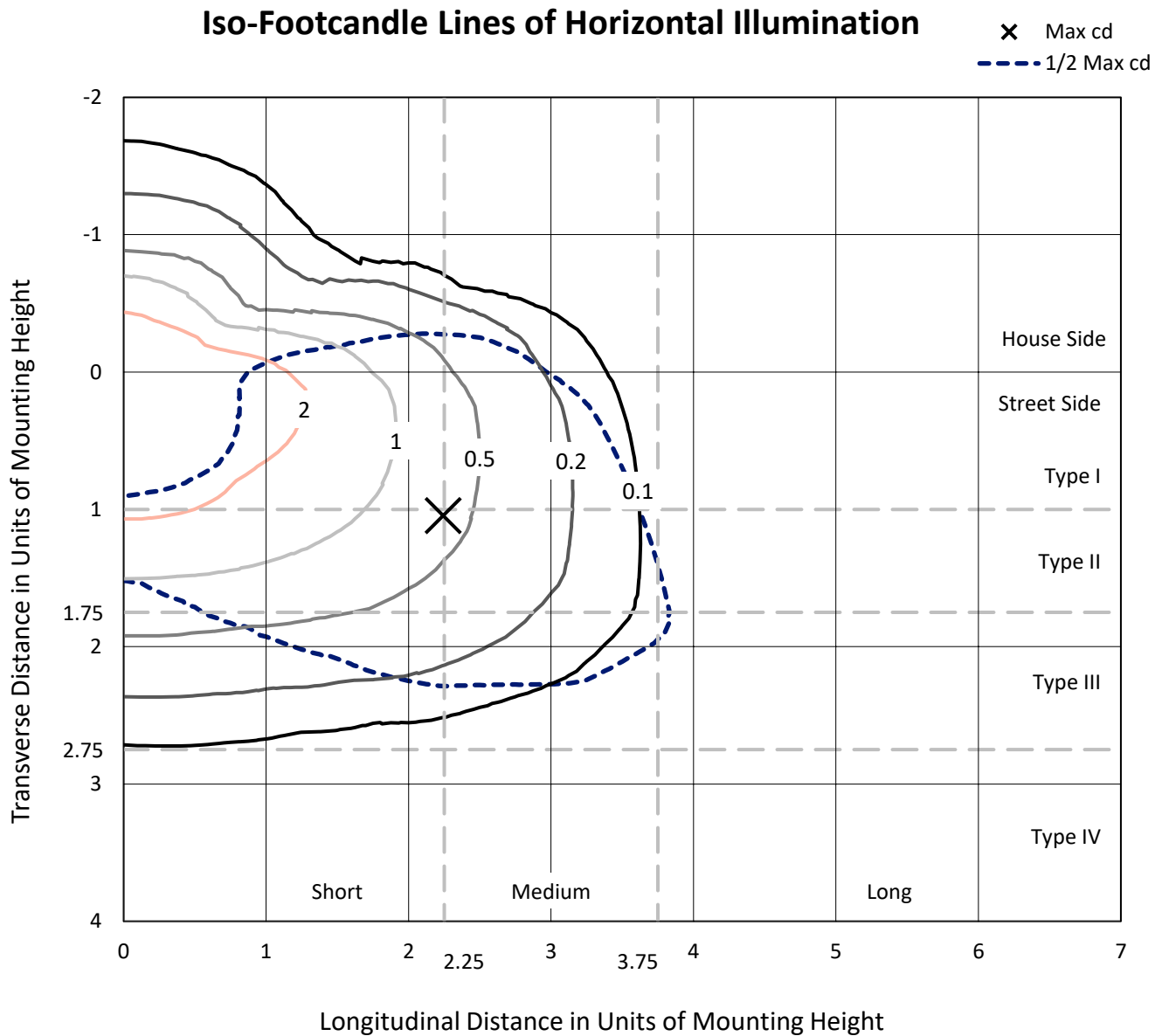
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12216 lumens
Efficiency: N/A
Efficacy: 146.5 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): 83.4
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



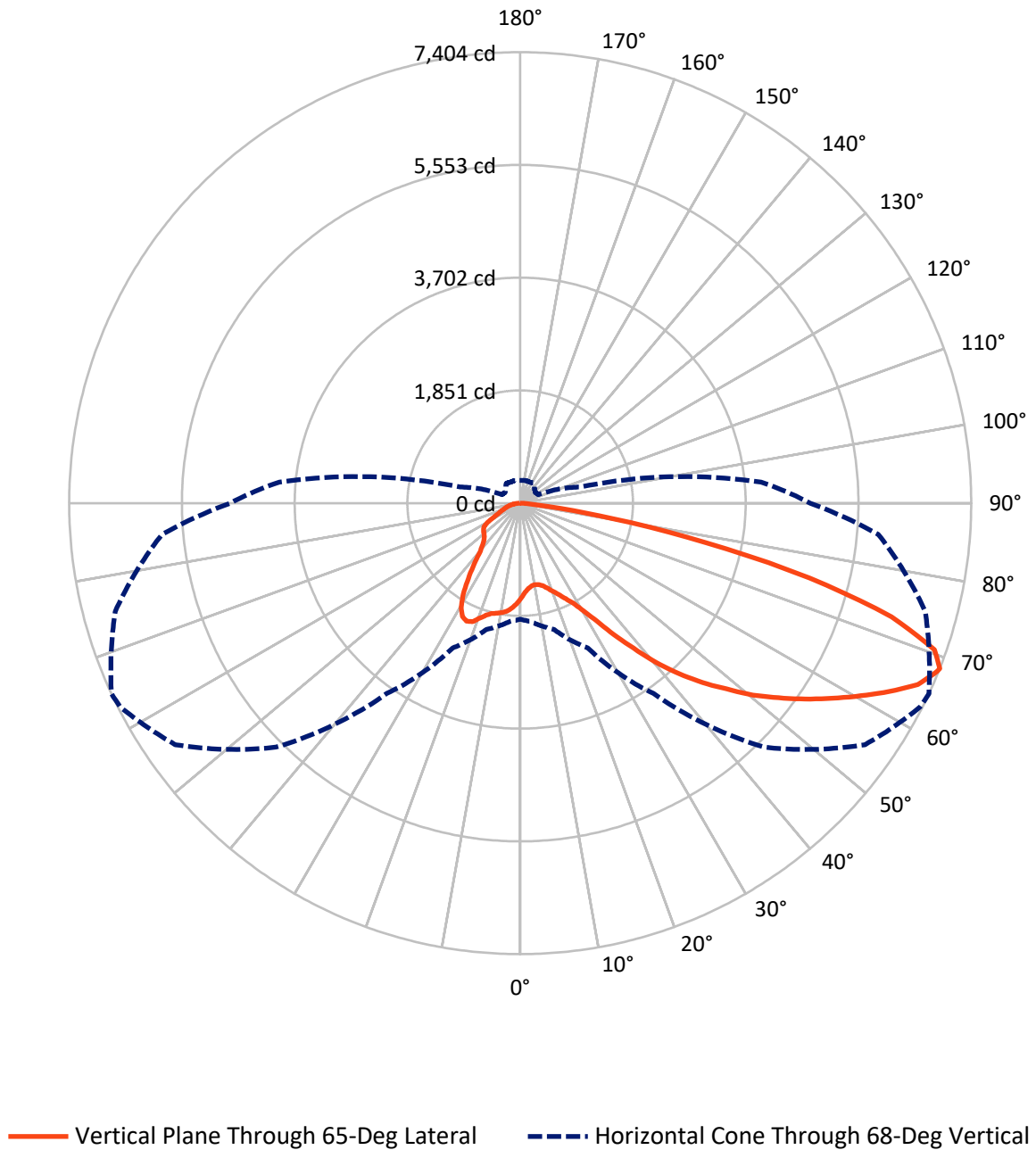
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Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2995.0	0.0	2995.0
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	9221.0	0.0	9221.0
	% Fixture	75.5	0.0	75.5
Total	Lumens	12216.0	0.0	12216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	1.2
10°-20°	485.8	4.0
20°-30°	879.2	7.2
30°-40°	1383.1	11.3
40°-50°	2059.9	16.9
50°-60°	2702.2	22.1
60°-70°	2955.0	24.2
70°-80°	1462.2	12.0
80°-90°	139.5	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°	12216.0	100.0
0°-180°	12216.0	100.0

Coefficient of Utilization



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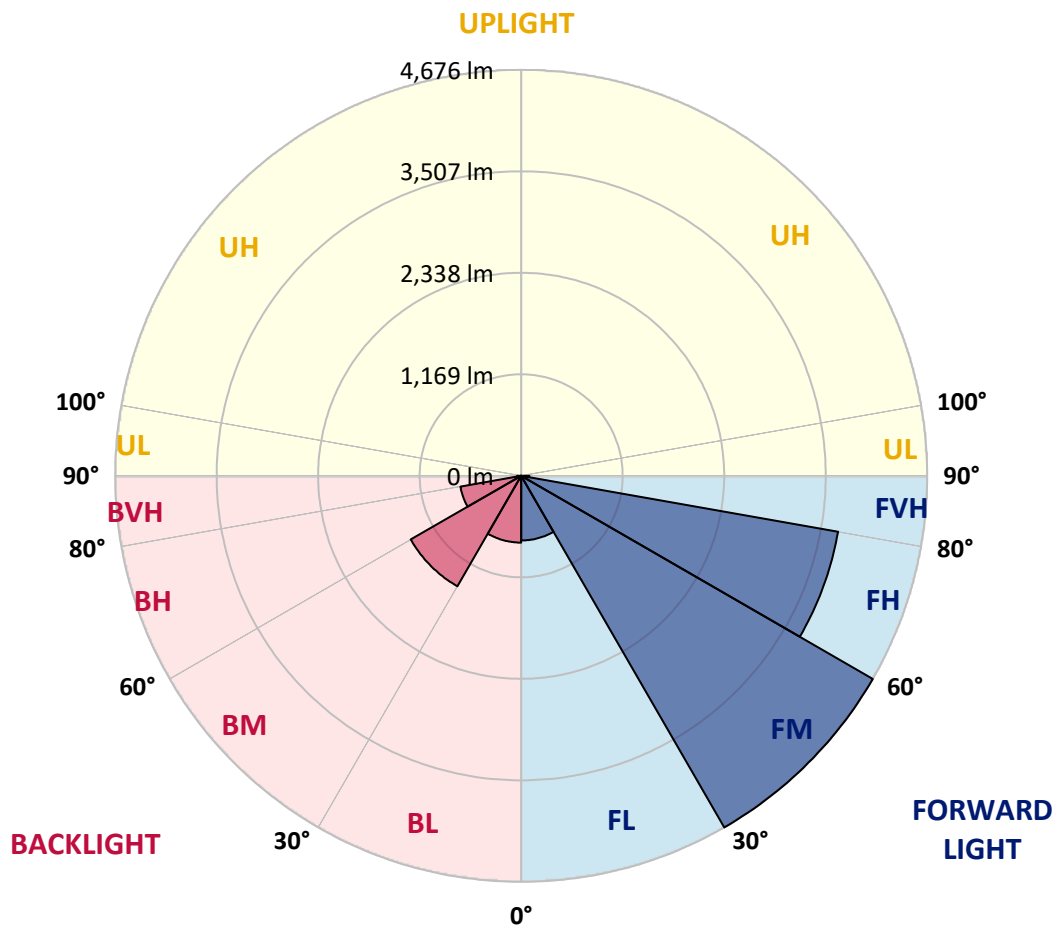
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	744.7	6.1			
FM	(30°-60°)	4676.1	38.3			
FH	(60°-80°)	3706.4	30.3			G2/5000
FVH	(80°-90°)	93.8	0.8			G1/100
BL	(0°-30°)	769.4	6.3	B2/1000		
BM	(30°-60°)	1469.0	12.0	B2/2500		
BH	(60°-80°)	710.9	5.8	B2/1000		G2/1000
BVH	(80°-90°)	45.7	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°	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1
2.5°	1362.6	1359.4	1367.3	1375.2	1392.5	1413.0	1441.3	1465.0	1468.1	1512.2	1546.9
5°	1282.2	1277.5	1285.4	1294.8	1302.7	1327.9	1357.9	1392.5	1406.7	1471.3	1545.3
7.5°	1290.1	1288.5	1291.7	1288.5	1288.5	1299.6	1320.0	1354.7	1370.5	1447.6	1553.2
10°	1335.8	1338.9	1340.5	1331.1	1321.6	1316.9	1323.2	1346.8	1357.9	1449.2	1587.8
12.5°	1411.4	1416.1	1417.7	1400.4	1387.8	1367.3	1356.3	1365.7	1373.6	1465.0	1636.7
15°	1513.8	1516.9	1505.9	1494.9	1463.4	1438.2	1411.4	1403.5	1406.7	1498.0	1691.8
17.5°	1633.5	1628.8	1628.8	1602.0	1561.1	1521.7	1477.6	1471.3	1471.3	1551.6	1770.6
20°	1764.3	1769.0	1754.8	1718.6	1677.6	1616.2	1572.1	1543.7	1546.9	1613.0	1866.7
22.5°	1953.3	1961.2	1923.4	1871.4	1808.4	1737.5	1674.5	1628.8	1630.4	1693.4	1965.9
25°	2156.5	2159.6	2136.0	2066.7	1981.6	1880.8	1797.3	1739.1	1737.5	1783.2	2093.5
27.5°	2364.4	2378.6	2331.3	2265.2	2186.4	2060.4	1950.1	1871.4	1858.8	1920.2	2252.6
30°	2578.7	2596.0	2550.3	2485.7	2388.1	2280.9	2150.2	2058.8	2051.0	2132.9	2465.2
32.5°	2794.5	2799.2	2763.0	2709.4	2621.2	2520.4	2414.8	2314.0	2306.1	2440.0	2740.9
35°	2970.9	2985.1	2959.9	2947.3	2882.7	2789.7	2687.3	2629.1	2649.5	2821.2	3098.5
37.5°	3183.5	3197.7	3169.4	3166.2	3145.7	3065.4	2994.5	2999.2	3019.7	3252.9	3475.0
40°	3490.7	3506.5	3434.0	3402.5	3402.5	3323.7	3300.1	3412.0	3438.7	3678.2	3867.2
42.5°	3750.6	3775.8	3733.3	3712.8	3651.4	3596.3	3624.6	3782.1	3827.8	4084.6	4209.0
45°	3876.6	3895.6	3946.0	4005.8	3946.0	3849.9	3957.0	4135.0	4199.6	4459.5	4550.8
47.5°	3944.4	3961.7	4020.0	4180.7	4221.6	4141.3	4292.5	4514.6	4558.7	4831.2	4876.9
50°	3953.8	4009.0	4084.6	4245.3	4432.7	4443.7	4629.6	4900.6	4952.5	5196.7	5163.6
52.5°	3876.6	3898.7	4054.7	4325.6	4533.5	4722.5	4996.6	5270.7	5308.5	5540.1	5417.2
55°	3750.6	3782.1	3938.1	4306.7	4631.2	4987.2	5370.0	5634.6	5677.1	5874.0	5651.9
57.5°	3637.2	3653.0	3819.9	4251.6	4728.9	5251.8	5702.3	6014.2	6042.6	6167.0	5825.2
60°	3511.2	3528.5	3695.5	4133.4	4801.3	5451.9	6048.9	6397.0	6422.2	6475.8	6026.8
62.5°	3185.1	3230.8	3440.3	3938.1	4782.4	5680.3	6419.1	6775.1	6806.6	6748.3	6185.9
65°	2586.5	2651.1	2907.9	3495.4	4606.0	5828.4	6721.5	7123.2	7176.8	6953.1	6228.5
67.5°	2008.4	2054.1	2260.5	2774.0	3986.9	5754.3	6916.8	7362.6	7378.4	6920.0	5992.2
68°	1904.5	1950.1	2147.0	2622.8	3815.2	5666.1	6912.1	7368.9	7403.6	6883.8	5900.8
70°	1457.1	1509.1	1696.5	2077.7	3074.9	5105.3	6623.9	7217.7	7213.0	6445.9	5333.7
72.5°	910.5	940.4	1069.6	1310.6	2033.6	3884.5	5622.0	6365.5	6378.1	5255.0	4090.9
75°	578.1	578.1	571.8	634.8	1042.8	2213.2	4179.1	4900.6	4910.0	3679.7	2578.7
77.5°	502.5	488.3	420.6	356.0	415.9	860.1	2473.1	3164.6	3112.7	1981.6	1224.0
80°	423.7	400.1	345.0	286.7	267.8	269.4	949.9	1606.7	1537.4	713.6	406.4
82.5°	305.6	285.1	259.9	225.3	206.4	160.7	198.5	464.7	453.7	206.4	132.3
85°	165.4	149.6	146.5	148.1	124.4	99.2	83.5	102.4	102.4	89.8	75.6
87.5°	58.3	42.5	50.4	56.7	48.8	41.0	33.1	39.4	41.0	39.4	36.2
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°	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1
2.5°	1567.4	1583.1	1620.9	1654.0	1677.6	1698.1	1709.1	1713.9	1724.9	1726.5	1723.3
5°	1580.0	1620.9	1677.6	1726.5	1753.2	1764.3	1767.4	1769.0	1764.3	1767.4	1764.3
7.5°	1613.0	1665.0	1745.4	1787.9	1792.6	1775.3	1776.9	1770.6	1776.9	1783.2	1783.2
10°	1663.4	1729.6	1805.2	1821.0	1800.5	1791.0	1809.9	1847.7	1860.4	1877.7	1877.7
12.5°	1729.6	1808.4	1861.9	1847.7	1828.8	1860.4	1915.5	1953.3	1965.9	1972.2	1967.5
15°	1805.2	1890.3	1917.1	1869.8	1904.5	1972.2	1991.1	1969.0	1937.5	1923.4	1931.2
17.5°	1901.3	1972.2	1956.4	1924.9	2003.7	2013.1	1951.7	1880.8	1830.4	1811.5	1824.1
20°	2002.1	2063.6	1991.1	2005.3	2054.1	1953.3	1836.7	1745.4	1701.3	1693.4	1706.0
22.5°	2109.2	2148.6	2025.8	2098.2	2025.8	1821.0	1680.8	1633.5	1622.5	1635.1	1646.1
25°	2230.5	2225.8	2085.6	2126.6	1920.2	1658.7	1575.2	1572.1	1572.1	1580.0	1595.7
27.5°	2367.6	2293.5	2145.5	2088.8	1737.5	1524.8	1509.1	1510.6	1505.9	1507.5	1515.4
30°	2526.7	2384.9	2211.6	1964.3	1532.7	1424.0	1417.7	1413.0	1402.0	1398.8	1402.0
32.5°	2726.7	2481.0	2279.4	1759.5	1353.1	1320.0	1316.9	1291.7	1264.9	1261.8	1272.8
35°	2980.3	2655.8	2314.0	1502.8	1205.1	1203.5	1192.5	1153.1	1118.4	1118.4	1110.5
37.5°	3270.2	2881.1	2328.2	1252.3	1082.2	1090.1	1058.6	1008.1	981.4	965.6	970.3
40°	3566.3	3137.9	2326.6	1033.4	975.1	976.6	953.0	891.6	825.4	786.0	795.5
42.5°	3851.4	3371.0	2285.7	916.8	888.4	883.7	864.8	781.3	726.2	694.7	696.3
45°	4079.9	3612.0	2222.7	847.5	809.7	817.5	775.0	724.6	674.2	645.8	644.3
47.5°	4308.3	3794.7	2121.8	804.9	751.4	737.2	719.9	685.2	647.4	615.9	617.5
50°	4516.2	3950.7	2027.3	776.6	697.8	661.6	664.7	644.3	611.2	582.8	581.3
52.5°	4662.7	4053.1	1975.3	760.8	633.2	593.9	604.9	593.9	562.4	541.9	540.3
55°	4809.2	4131.8	1992.7	740.4	562.4	530.9	549.8	546.6	529.3	523.0	524.6
57.5°	4927.3	4191.7	2054.1	702.6	494.6	475.7	507.2	497.8	485.2	486.7	486.7
60°	5042.3	4268.9	2126.6	615.9	436.3	437.9	467.8	450.5	442.6	456.8	458.4
62.5°	5162.0	4352.4	2066.7	489.9	385.9	397.0	431.6	417.4	420.6	441.1	447.4
65°	5147.9	4344.5	1683.9	401.7	341.8	363.9	415.9	411.1	412.7	420.6	423.7
67.5°	4858.0	4067.3	1157.8	341.8	310.3	337.1	403.3	384.4	385.9	381.2	382.8
68°	4760.4	3969.6	1020.8	332.4	304.0	330.8	397.0	379.6	381.2	376.5	374.9
70°	4227.9	3399.4	645.8	293.0	282.0	313.5	365.5	359.2	357.6	354.4	354.4
72.5°	3222.9	2509.3	340.3	253.6	256.8	286.7	326.1	338.7	330.8	332.4	341.8
75°	2134.4	1509.1	236.3	217.4	225.3	245.7	289.8	315.0	307.2	311.9	307.2
77.5°	1129.4	812.8	189.0	184.3	184.3	198.5	239.4	278.8	278.8	275.7	270.9
80°	370.2	286.7	151.2	144.9	148.1	155.9	192.2	228.4	233.1	226.8	223.7
82.5°	124.4	132.3	113.4	105.5	108.7	115.0	144.9	174.9	176.4	163.8	160.7
85°	77.2	88.2	70.9	69.3	69.3	70.9	88.2	96.1	88.2	78.8	81.9
87.5°	36.2	44.1	33.1	28.4	23.6	20.5	15.8	6.3	6.3	3.2	3.2
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)