

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: P1210071

Luminaire Tested: **ARCH2-100-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210071
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: ARCH2-100-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 760mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

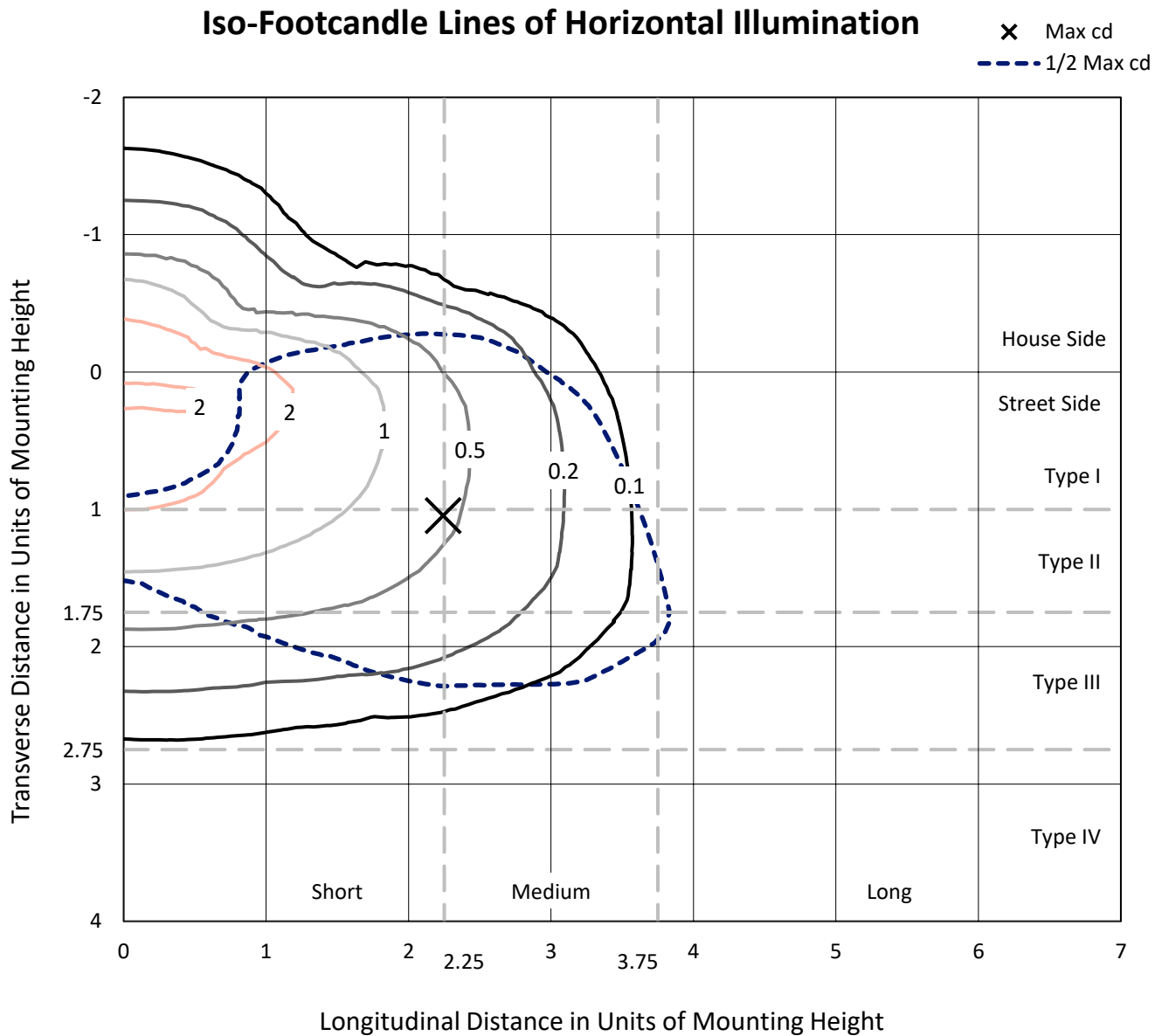
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11193 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 103.3
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



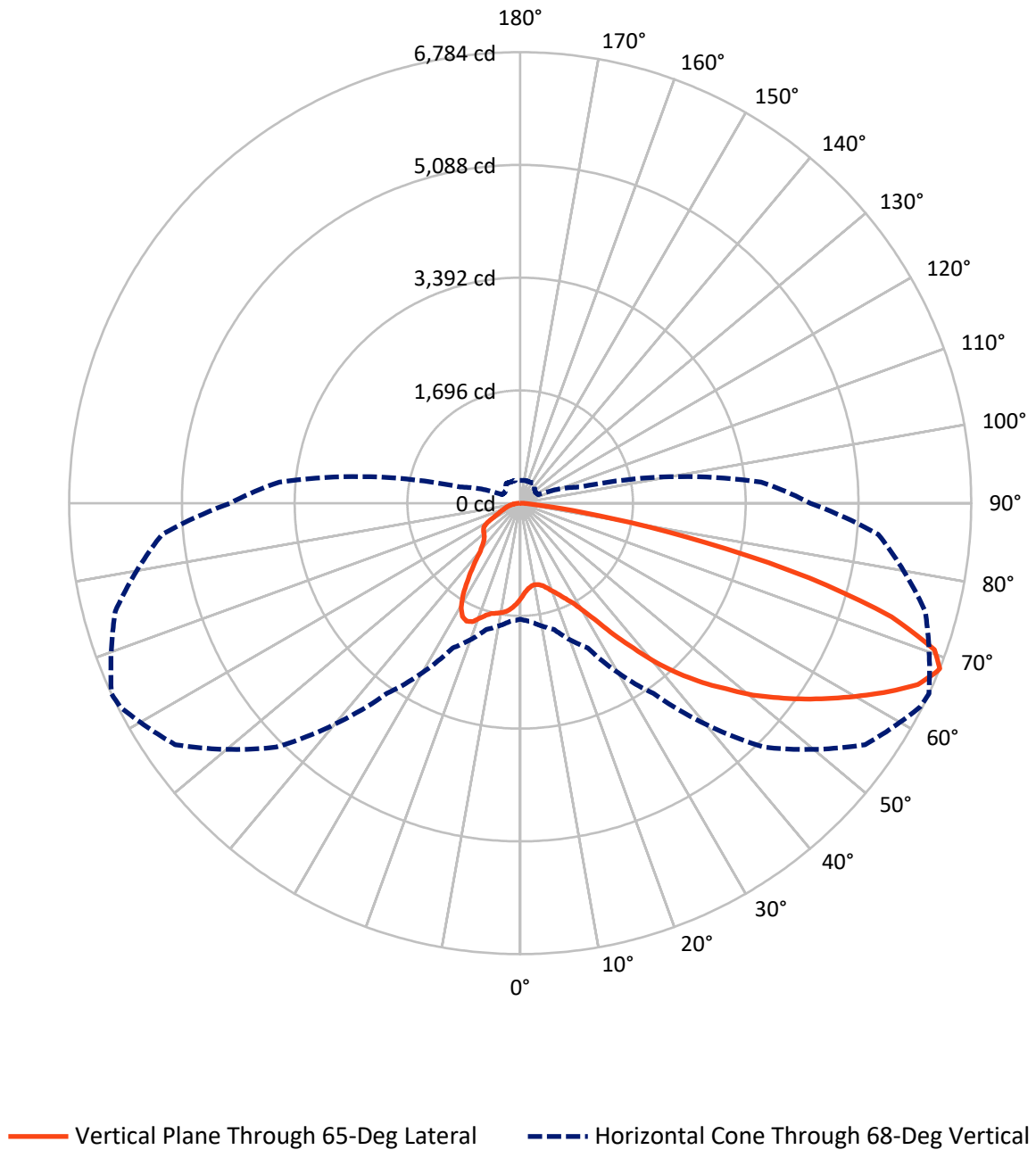
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Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2744.2	0.0	2744.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	8448.8	0.0	8448.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	11193.0	0.0	11193.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	1.2
10°-20°	445.1	4.0
20°-30°	805.6	7.2
30°-40°	1267.2	11.3
40°-50°	1887.4	16.9
50°-60°	2475.9	22.1
60°-70°	2707.6	24.2
70°-80°	1339.8	12.0
80°-90°	127.8	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°	11193.0	100.0
0°-180°	11193.0	100.0

Coefficient of Utilization



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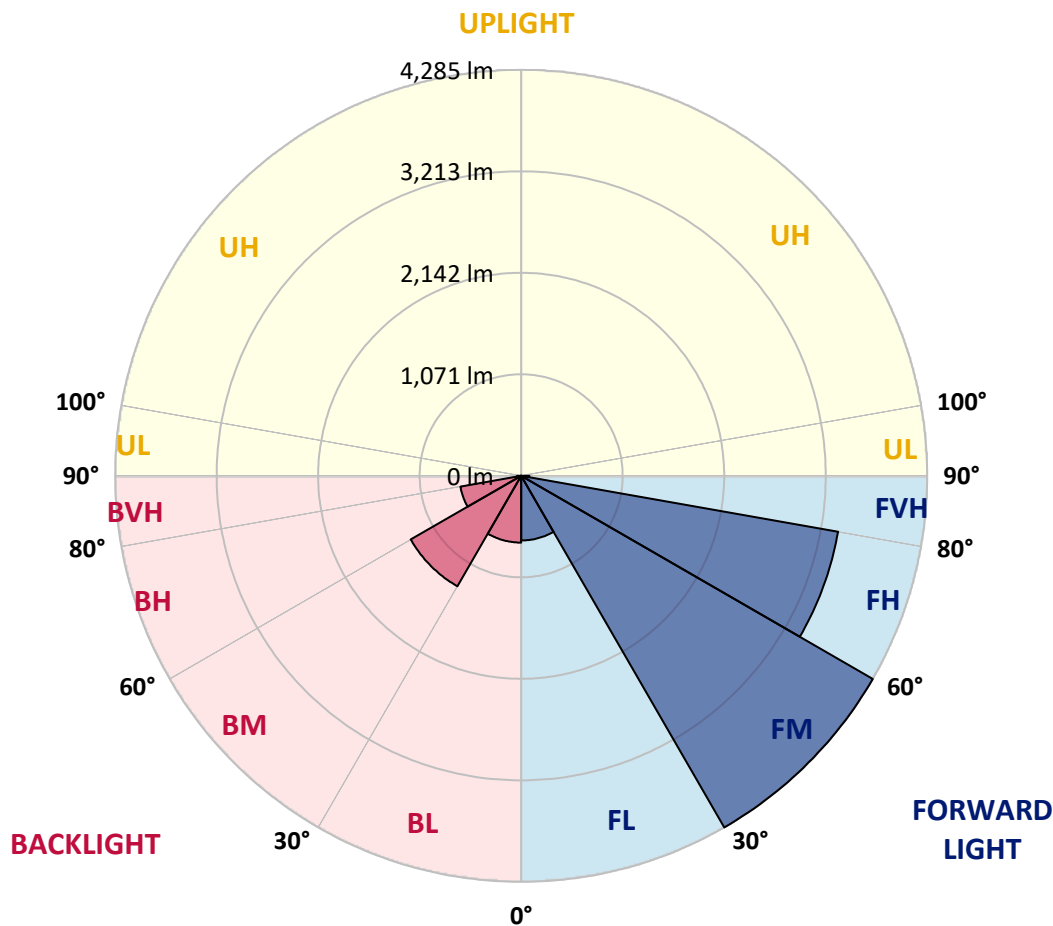
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	682.3	6.1			
FM	(30°-60°)	4284.5	38.3			
FH	(60°-80°)	3396.0	30.3			G2/5000
FVH	(80°-90°)	86.0	0.8			G1/100
BL	(0°-30°)	705.0	6.3	B2/1000		
BM	(30°-60°)	1346.0	12.0	B2/2500		
BH	(60°-80°)	651.3	5.8	B2/1000		G2/1000
BVH	(80°-90°)	41.8	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°	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3
2.5°	1248.5	1245.6	1252.8	1260.0	1275.9	1294.7	1320.6	1342.3	1345.2	1385.6	1417.3
5°	1174.9	1170.5	1177.7	1186.4	1193.6	1216.7	1244.1	1275.9	1288.9	1348.1	1415.9
7.5°	1182.1	1180.6	1183.5	1180.6	1180.6	1190.7	1209.5	1241.3	1255.7	1326.4	1423.1
10°	1223.9	1226.8	1228.3	1219.6	1210.9	1206.6	1212.4	1234.0	1244.1	1327.9	1454.9
12.5°	1293.2	1297.5	1299.0	1283.1	1271.6	1252.8	1242.7	1251.4	1258.6	1342.3	1499.6
15°	1387.0	1389.9	1379.8	1369.7	1340.8	1317.8	1293.2	1286.0	1288.9	1372.6	1550.1
17.5°	1496.7	1492.4	1492.4	1467.9	1430.3	1394.2	1353.8	1348.1	1348.1	1421.7	1622.3
20°	1616.5	1620.8	1607.9	1574.7	1537.1	1480.8	1440.4	1414.5	1417.3	1478.0	1710.3
22.5°	1789.7	1796.9	1762.3	1714.7	1656.9	1592.0	1534.2	1492.4	1493.8	1551.6	1801.3
25°	1975.9	1978.8	1957.1	1893.6	1815.7	1723.3	1646.8	1593.4	1592.0	1633.8	1918.2
27.5°	2166.4	2179.4	2136.1	2075.5	2003.3	1887.9	1786.8	1714.7	1703.1	1759.4	2063.9
30°	2362.7	2378.6	2336.7	2277.6	2188.1	2089.9	1970.1	1886.4	1879.2	1954.3	2258.8
32.5°	2560.4	2564.8	2531.6	2482.5	2401.7	2309.3	2212.6	2120.2	2113.0	2235.7	2511.4
35°	2722.1	2735.1	2712.0	2700.5	2641.3	2556.1	2462.3	2408.9	2427.7	2585.0	2839.0
37.5°	2916.9	2929.9	2904.0	2901.1	2882.3	2808.7	2743.7	2748.1	2766.8	2980.5	3184.0
40°	3198.4	3212.8	3146.4	3117.6	3117.6	3045.4	3023.8	3126.2	3150.8	3370.2	3543.3
42.5°	3436.5	3459.6	3420.7	3401.9	3345.6	3295.1	3321.1	3465.4	3507.3	3742.5	3856.5
45°	3552.0	3569.3	3615.5	3670.4	3615.5	3527.5	3625.6	3788.7	3847.9	4086.0	4169.7
47.5°	3614.1	3629.9	3683.4	3830.6	3868.1	3794.5	3933.0	4136.6	4177.0	4426.7	4468.5
50°	3622.7	3673.2	3742.5	3889.7	4061.5	4071.6	4241.9	4490.2	4537.8	4761.5	4731.2
52.5°	3552.0	3572.2	3715.1	3963.4	4153.9	4327.1	4578.2	4829.3	4864.0	5076.2	4963.6
55°	3436.5	3465.4	3608.3	3946.0	4243.4	4569.5	4920.3	5162.8	5201.7	5382.1	5178.6
57.5°	3332.6	3347.1	3500.0	3895.5	4332.8	4812.0	5224.8	5510.6	5536.6	5650.6	5337.4
60°	3217.2	3233.0	3386.0	3787.3	4399.2	4995.3	5542.3	5861.3	5884.4	5933.5	5522.1
62.5°	2918.4	2960.2	3152.2	3608.3	4381.9	5204.6	5881.5	6207.7	6236.6	6183.2	5667.9
65°	2369.9	2429.1	2664.4	3202.7	4220.3	5340.3	6158.6	6526.7	6575.8	6370.8	5706.9
67.5°	1840.2	1882.1	2071.2	2541.7	3653.0	5272.4	6337.6	6746.1	6760.5	6340.5	5490.4
68°	1745.0	1786.8	1967.2	2403.1	3495.7	5191.6	6333.3	6751.8	6783.6	6307.3	5406.7
70°	1335.1	1382.7	1554.5	1903.7	2817.4	4677.8	6069.2	6613.3	6609.0	5906.1	4887.1
72.5°	834.2	861.7	980.0	1200.8	1863.3	3559.2	5151.2	5832.5	5844.0	4814.9	3748.3
75°	529.7	529.7	523.9	581.7	955.5	2027.9	3829.1	4490.2	4498.8	3371.6	2362.7
77.5°	460.4	447.4	385.4	326.2	381.0	788.1	2266.0	2899.6	2852.0	1815.7	1121.5
80°	388.3	366.6	316.1	262.7	245.4	246.8	870.3	1472.2	1408.7	653.8	372.4
82.5°	280.0	261.2	238.1	206.4	189.1	147.2	181.9	425.8	415.7	189.1	121.2
85°	151.5	137.1	134.2	135.7	114.0	90.9	76.5	93.8	93.8	82.3	69.3
87.5°	53.4	39.0	46.2	52.0	44.7	37.5	30.3	36.1	37.5	36.1	33.2
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°	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3
2.5°	1436.1	1450.5	1485.2	1515.5	1537.1	1555.9	1566.0	1570.3	1580.4	1581.9	1579.0
5°	1447.6	1485.2	1537.1	1581.9	1606.4	1616.5	1619.4	1620.8	1616.5	1619.4	1616.5
7.5°	1478.0	1525.6	1599.2	1638.2	1642.5	1626.6	1628.1	1622.3	1628.1	1633.8	1633.8
10°	1524.1	1584.8	1654.0	1668.5	1649.7	1641.1	1658.4	1693.0	1704.6	1720.4	1720.4
12.5°	1584.8	1656.9	1706.0	1693.0	1675.7	1704.6	1755.1	1789.7	1801.3	1807.0	1802.7
15°	1654.0	1732.0	1756.5	1713.2	1745.0	1807.0	1824.4	1804.1	1775.3	1762.3	1769.5
17.5°	1742.1	1807.0	1792.6	1763.7	1835.9	1844.6	1788.3	1723.3	1677.1	1659.8	1671.4
20°	1834.5	1890.7	1824.4	1837.3	1882.1	1789.7	1682.9	1599.2	1558.8	1551.6	1563.1
22.5°	1932.6	1968.7	1856.1	1922.5	1856.1	1668.5	1540.0	1496.7	1486.6	1498.2	1508.3
25°	2043.7	2039.4	1911.0	1948.5	1759.4	1519.8	1443.3	1440.4	1440.4	1447.6	1462.1
27.5°	2169.3	2101.5	1965.8	1913.8	1592.0	1397.1	1382.7	1384.1	1379.8	1381.3	1388.5
30°	2315.1	2185.2	2026.4	1799.8	1404.3	1304.8	1299.0	1294.7	1284.6	1281.7	1284.6
32.5°	2498.4	2273.2	2088.5	1612.2	1239.8	1209.5	1206.6	1183.5	1159.0	1156.1	1166.2
35°	2730.8	2433.4	2120.2	1376.9	1104.1	1102.7	1092.6	1056.5	1024.8	1024.8	1017.5
37.5°	2996.3	2639.8	2133.2	1147.4	991.6	998.8	969.9	923.7	899.2	884.8	889.1
40°	3267.7	2875.1	2131.8	946.8	893.4	894.9	873.2	816.9	756.3	720.2	728.9
42.5°	3528.9	3088.7	2094.3	840.0	814.0	809.7	792.4	715.9	665.4	636.5	637.9
45°	3738.2	3309.5	2036.5	776.5	741.9	749.1	710.1	663.9	617.7	591.8	590.3
47.5°	3947.5	3477.0	1944.2	737.5	688.5	675.5	659.6	627.8	593.2	564.3	565.8
50°	4138.0	3619.8	1857.6	711.6	639.4	606.2	609.1	590.3	560.0	534.0	532.6
52.5°	4272.2	3713.7	1809.9	697.1	580.2	544.1	554.2	544.1	515.3	496.5	495.1
55°	4406.5	3785.8	1825.8	678.4	515.3	486.4	503.7	500.8	485.0	479.2	480.6
57.5°	4514.7	3840.7	1882.1	643.7	453.2	435.9	464.7	456.1	444.5	446.0	446.0
60°	4620.1	3911.4	1948.5	564.3	399.8	401.2	428.7	412.8	405.6	418.6	420.0
62.5°	4729.8	3987.9	1893.6	448.9	353.6	363.7	395.5	382.5	385.4	404.1	409.9
65°	4716.8	3980.7	1542.9	368.0	313.2	333.4	381.0	376.7	378.1	385.4	388.3
67.5°	4451.2	3726.7	1060.8	313.2	284.3	308.9	369.5	352.2	353.6	349.3	350.7
68°	4361.7	3637.2	935.3	304.5	278.6	303.1	363.7	347.8	349.3	345.0	343.5
70°	3873.9	3114.7	591.8	268.5	258.4	287.2	334.9	329.1	327.6	324.7	324.7
72.5°	2953.0	2299.2	311.8	232.4	235.3	262.7	298.8	310.3	303.1	304.5	313.2
75°	1955.7	1382.7	216.5	199.2	206.4	225.2	265.6	288.7	281.4	285.8	281.4
77.5°	1034.9	744.8	173.2	168.9	168.9	181.9	219.4	255.5	255.5	252.6	248.3
80°	339.2	262.7	138.6	132.8	135.7	142.9	176.1	209.3	213.6	207.8	205.0
82.5°	114.0	121.2	103.9	96.7	99.6	105.4	132.8	160.2	161.7	150.1	147.2
85°	70.7	80.8	64.9	63.5	63.5	64.9	80.8	88.0	80.8	72.2	75.1
87.5°	33.2	40.4	30.3	26.0	21.6	18.8	14.4	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)