

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: P1210101

Luminaire Tested: **ARCH2-110-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210101
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: ARCH2-110-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11696 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

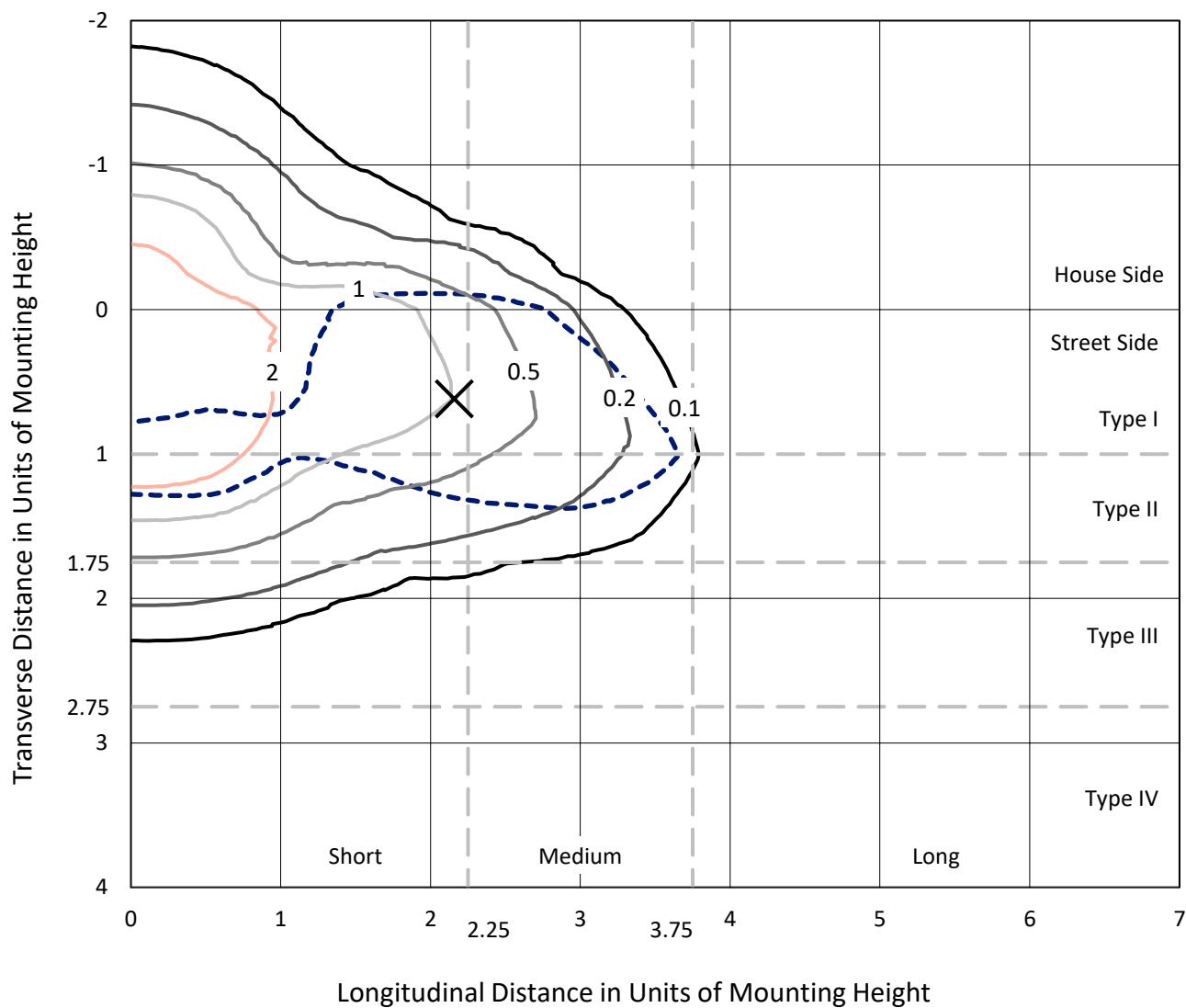
Input Watts (W): 109.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

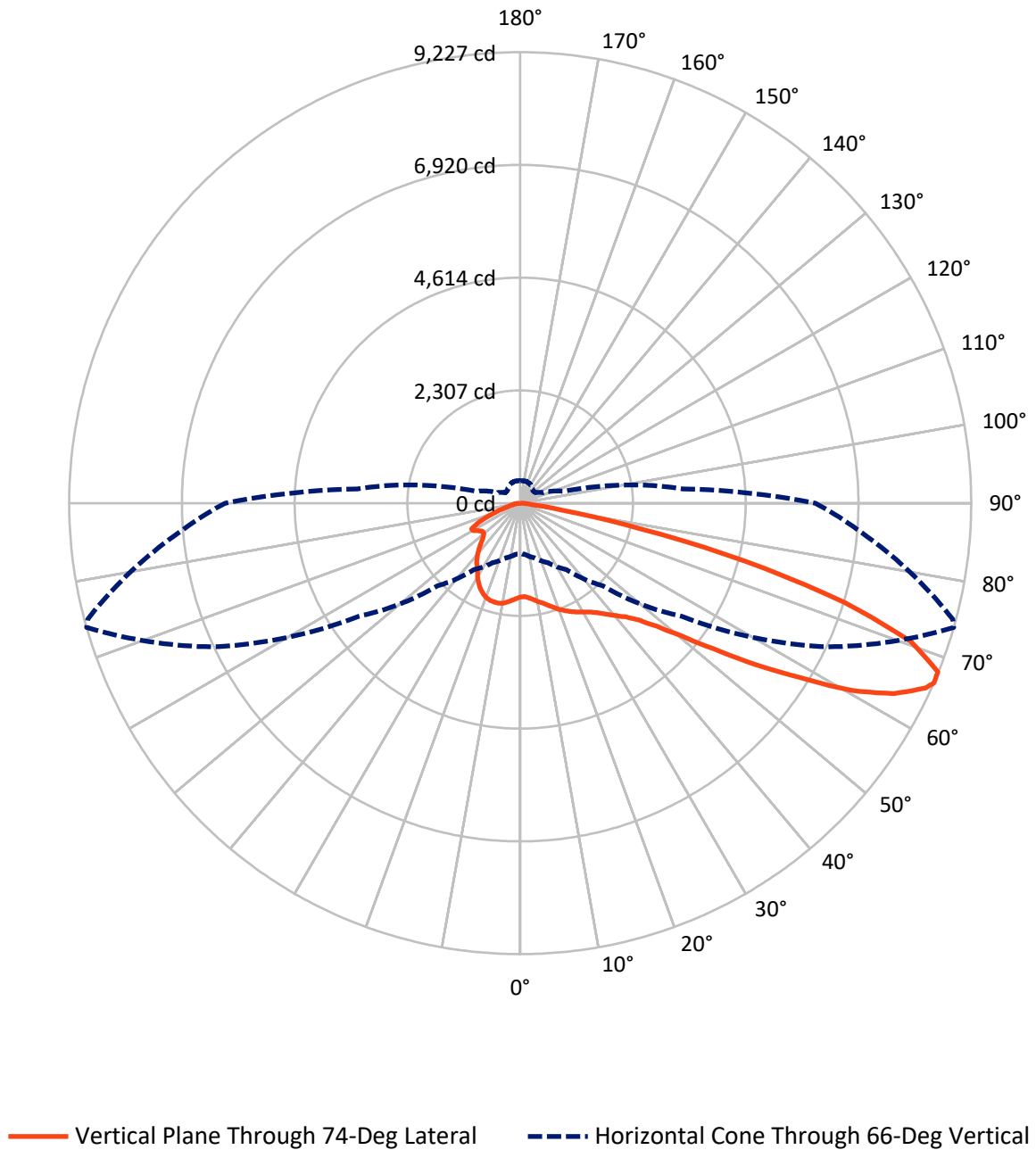
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	2848.3	0.0	2848.3
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	8847.7	0.0	8847.7
	% Fixture	75.6	0.0	75.6
Total	Lumens	11696.0	0.0	11696.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	1.6
10°-20°	562.5	4.8
20°-30°	1055.4	9.0
30°-40°	1623.5	13.9
40°-50°	2183.8	18.7
50°-60°	2582.6	22.1
60°-70°	2389.0	20.4
70°-80°	1005.1	8.6
80°-90°	111.2	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°	11696.0	100.0
0°-180°	11696.0	100.0

Coefficient of Utilization



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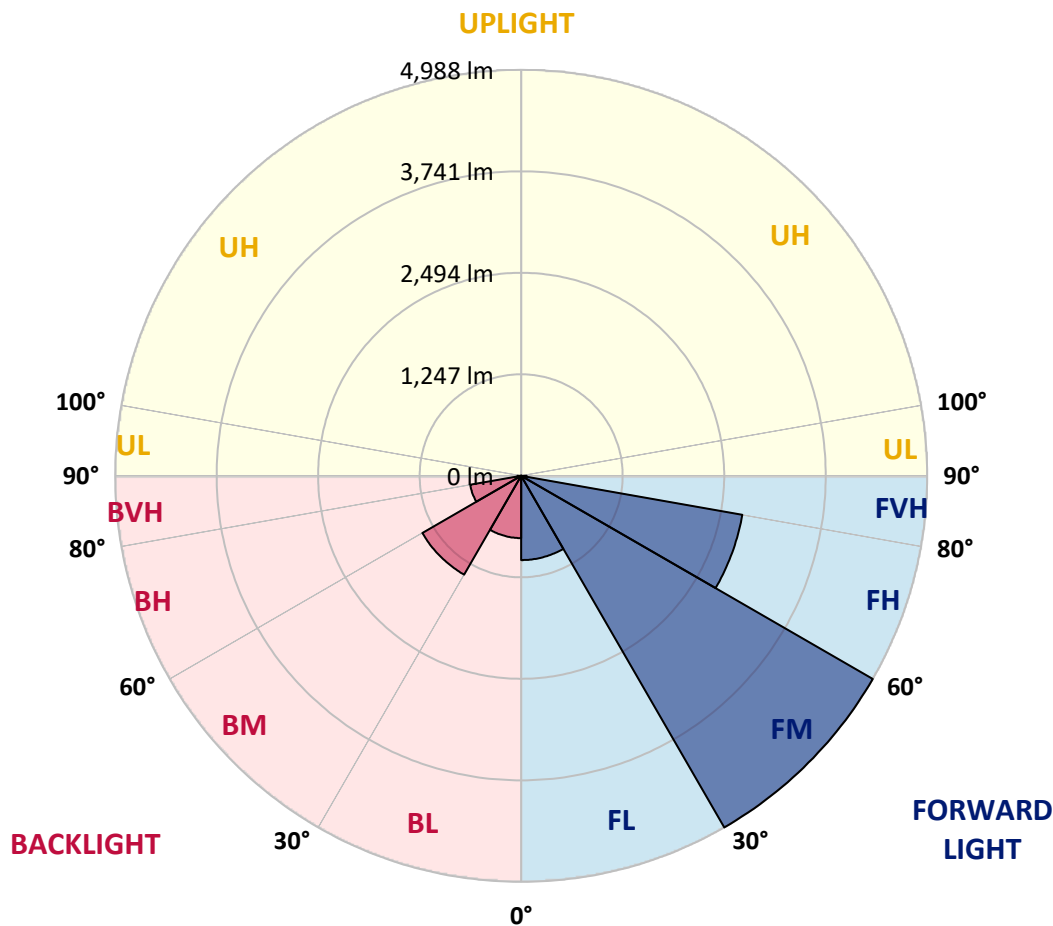
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1035.2	8.9			
FM	(30°-60°)	4987.7	42.6			
FH	(60°-80°)	2758.2	23.6			G2/5000
FVH	(80°-90°)	66.5	0.6			G1/100
BL	(0°-30°)	765.6	6.5	B2/1000		
BM	(30°-60°)	1402.2	12.0	B2/2500		
BH	(60°-80°)	635.8	5.4	B2/1000		G2/1000
BVH	(80°-90°)	44.7	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4
2.5°	1911.3	1908.3	1914.4	1923.4	1927.9	1920.4	1917.4	1915.9	1915.9	1911.3	1918.9
5°	1821.0	1819.5	1833.1	1849.6	1881.2	1903.8	1933.9	1952.0	1946.0	1936.9	1942.9
7.5°	1703.7	1700.6	1717.2	1748.8	1792.4	1842.1	1915.9	1973.0	1995.6	1992.6	1991.1
10°	1748.8	1745.8	1744.3	1735.3	1750.3	1798.5	1875.2	1976.1	2052.8	2054.3	2055.8
12.5°	1905.3	1912.8	1905.3	1876.7	1843.6	1825.6	1870.7	1983.6	2101.0	2110.0	2147.6
15°	2119.0	2111.5	2096.5	2063.3	2012.2	1958.0	1924.9	2018.2	2170.2	2177.7	2260.5
17.5°	2307.2	2313.2	2304.1	2272.5	2212.3	2141.6	2040.8	2078.4	2243.9	2265.0	2380.9
20°	2511.8	2535.9	2523.9	2484.7	2435.1	2329.7	2203.3	2165.7	2325.2	2340.3	2505.8
22.5°	2748.1	2773.7	2751.1	2713.5	2672.9	2543.4	2380.9	2272.5	2392.9	2424.5	2626.2
25°	3031.1	3055.1	3034.1	2975.4	2924.2	2766.2	2572.0	2392.9	2459.2	2493.8	2724.0
27.5°	3255.3	3273.4	3292.9	3258.3	3180.1	3016.0	2770.7	2517.9	2525.4	2561.5	2814.3
30°	3455.5	3500.6	3517.2	3521.7	3455.5	3271.9	2973.9	2647.3	2582.6	2620.2	2904.6
32.5°	3729.4	3797.1	3770.0	3797.1	3758.0	3512.7	3184.6	2781.2	2656.3	2690.9	2990.4
35°	4129.7	4183.9	4113.2	4092.1	4028.9	3756.5	3387.7	2919.7	2754.1	2791.8	3071.7
37.5°	4560.1	4621.8	4519.5	4435.2	4314.8	3997.3	3562.3	3101.8	2889.6	2919.7	3146.9
40°	4936.4	4987.6	4898.8	4787.4	4585.7	4209.5	3712.8	3229.7	3025.0	3062.7	3234.2
42.5°	5284.0	5317.1	5217.8	5111.0	4841.6	4400.6	3875.4	3365.2	3183.1	3219.2	3305.0
45°	5636.2	5661.8	5523.3	5371.3	5055.3	4575.2	4054.5	3554.8	3414.8	3463.0	3419.3
47.5°	5699.4	5706.9	5682.9	5580.5	5223.8	4742.2	4275.7	3809.1	3768.5	3821.2	3616.5
50°	5261.5	5329.2	5478.2	5579.0	5291.6	4882.2	4496.9	4173.4	4256.1	4323.8	4025.9
52.5°	4411.1	4475.9	4820.5	5202.8	5129.0	4913.8	4734.7	4635.4	4943.9	5025.2	4582.7
55°	3514.2	3571.4	3935.6	4486.4	4603.8	4769.3	4989.1	5225.3	5821.3	5875.5	5193.7
57.5°	2894.1	2925.7	3186.1	3715.8	3904.0	4307.3	5126.0	5926.7	6713.8	6796.6	5725.0
60°	2373.4	2408.0	2602.1	3038.6	3288.4	3646.6	5017.7	6619.0	7779.3	7779.3	6406.8
62.5°	1786.4	1816.5	1997.1	2338.8	2758.7	3086.7	4671.5	7078.0	8583.0	8546.9	6900.4
65°	1226.6	1250.7	1381.6	1608.8	1986.6	2630.7	4198.9	7084.0	9115.8	9067.6	7111.1
66°	1029.4	1050.5	1161.9	1345.5	1663.0	2386.9	4031.9	6956.1	9227.1	9159.4	7022.3
67.5°	812.7	827.7	901.5	1009.9	1219.0	1932.4	3768.5	6593.4	9216.6	9176.0	6796.6
70°	580.9	591.5	645.6	668.2	720.9	1118.2	2993.4	5774.7	8477.6	8489.7	5908.6
72.5°	450.0	466.5	499.7	504.2	492.1	594.5	1816.5	4817.5	6935.0	6930.5	4385.6
75°	362.7	371.7	388.3	397.3	394.3	383.8	769.1	3593.9	4773.8	4829.5	2456.2
77.5°	285.9	284.4	299.5	311.5	320.6	301.0	352.2	2107.0	2502.8	2432.1	922.6
80°	210.7	210.7	231.8	236.3	249.8	252.8	234.8	812.7	859.4	781.1	239.3
82.5°	138.5	138.5	161.0	164.0	177.6	197.2	170.1	243.8	237.8	225.7	108.4
85°	75.2	72.2	79.8	90.3	97.8	115.9	102.3	121.9	124.9	123.4	72.2
87.5°	15.0	13.5	21.1	24.1	27.1	36.1	33.1	49.7	69.2	67.7	31.6
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°	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4	1917.4
2.5°	1929.4	1927.9	1944.5	1964.0	1986.6	2000.1	2006.2	2016.7	2009.2	2012.2	2021.2
5°	1958.0	1962.5	1986.6	2012.2	2022.7	2015.2	1998.6	1992.6	1979.1	1976.1	1973.0
7.5°	2000.1	2007.7	2031.7	2037.8	2006.2	1953.5	1915.9	1894.8	1872.2	1866.2	1863.2
10°	2069.4	2073.9	2079.9	2018.2	1939.9	1869.2	1822.5	1803.0	1787.9	1775.9	1778.9
12.5°	2156.7	2153.6	2107.0	1979.1	1867.7	1795.5	1763.9	1751.8	1741.3	1733.8	1732.2
15°	2266.5	2245.5	2111.5	1924.9	1800.0	1739.8	1717.2	1712.7	1700.6	1700.6	1699.1
17.5°	2377.9	2323.7	2108.5	1867.7	1735.3	1702.1	1688.6	1685.6	1682.6	1681.1	1685.6
20°	2489.3	2392.9	2084.4	1797.0	1690.1	1670.5	1667.5	1669.0	1666.0	1670.5	1667.5
22.5°	2587.1	2438.1	2039.3	1721.7	1658.5	1657.0	1649.5	1652.5	1663.0	1664.5	1669.0
25°	2662.3	2454.6	1973.0	1652.5	1635.9	1632.9	1641.9	1654.0	1663.0	1664.5	1672.0
27.5°	2724.0	2445.6	1890.3	1598.3	1596.8	1613.4	1640.4	1645.0	1646.5	1646.5	1640.4
30°	2770.7	2426.1	1784.9	1538.1	1545.6	1586.3	1611.8	1611.8	1599.8	1596.8	1605.8
32.5°	2781.2	2400.5	1670.5	1476.4	1488.4	1536.6	1568.2	1557.7	1544.1	1544.1	1550.1
35°	2790.3	2365.9	1578.7	1392.1	1410.2	1467.4	1497.5	1476.4	1461.3	1456.8	1455.3
37.5°	2787.3	2352.3	1496.0	1285.3	1309.3	1365.0	1384.6	1365.0	1342.5	1331.9	1345.5
40°	2790.3	2343.3	1392.1	1167.9	1192.0	1225.1	1250.7	1235.6	1214.5	1187.4	1201.0
42.5°	2808.3	2355.3	1277.7	1053.5	1053.5	1071.6	1115.2	1104.7	1053.5	1043.0	1055.0
45°	2904.6	2420.0	1163.4	939.1	922.6	934.6	979.8	934.6	903.0	903.0	913.5
47.5°	3137.9	2540.4	1062.5	838.3	799.2	823.2	835.3	793.1	769.1	763.0	773.6
50°	3613.5	2781.2	1002.3	755.5	707.3	725.4	717.9	716.4	692.3	695.3	701.3
52.5°	4335.9	3250.8	984.3	714.9	654.7	659.2	651.7	654.7	650.2	665.2	669.7
55°	5123.0	3745.9	1006.8	720.9	618.6	586.9	590.0	605.0	623.1	647.1	651.7
57.5°	5711.5	3994.3	1065.5	761.5	573.4	525.2	532.8	561.4	596.0	615.5	626.1
60°	6149.4	3964.2	1151.3	772.1	519.2	469.6	483.1	525.2	555.3	571.9	582.4
62.5°	6292.4	3776.0	1172.4	695.3	448.5	416.9	450.0	493.6	507.2	525.2	532.8
65°	6175.0	3509.6	1018.9	564.4	394.3	377.8	425.9	459.0	477.1	486.1	487.6
66°	6036.5	3350.1	936.1	513.2	374.7	365.7	416.9	444.0	462.0	460.5	462.0
67.5°	5732.5	3016.0	802.2	441.0	346.1	347.7	401.8	419.9	425.9	421.4	421.4
70°	4698.6	2123.5	574.9	334.1	304.0	325.1	361.2	365.7	379.3	373.2	373.2
72.5°	2897.1	1043.0	385.3	255.8	270.9	304.0	302.5	317.6	349.2	358.2	364.2
75°	1423.7	422.9	254.3	216.7	242.3	254.3	251.3	289.0	334.1	373.2	386.8
77.5°	540.3	210.7	177.6	189.6	195.6	191.1	200.2	261.9	334.1	404.8	418.4
80°	167.1	146.0	140.0	156.5	147.5	140.0	150.5	216.7	282.9	307.0	307.0
82.5°	100.8	114.4	108.4	106.9	99.3	100.8	108.4	155.0	218.2	228.8	228.8
85°	70.7	75.2	61.7	58.7	57.2	55.7	55.7	90.3	129.4	127.9	132.4
87.5°	27.1	30.1	22.6	22.6	21.1	15.0	12.0	15.0	15.0	10.5	7.5
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)