

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: P1210324

Luminaire Tested: **ARCH2-90-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-90-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 695mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7596 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

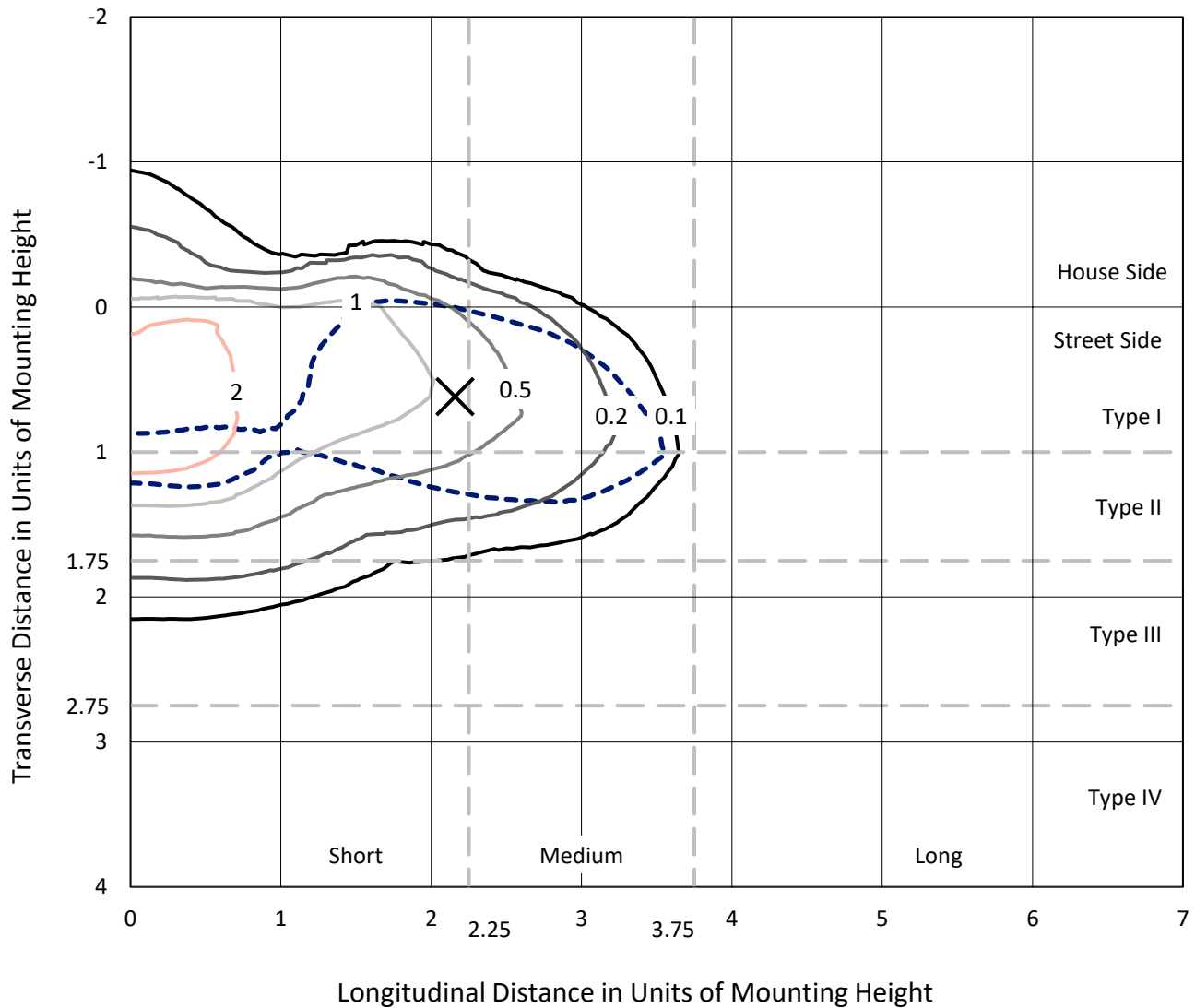
Input Watts (W): 93.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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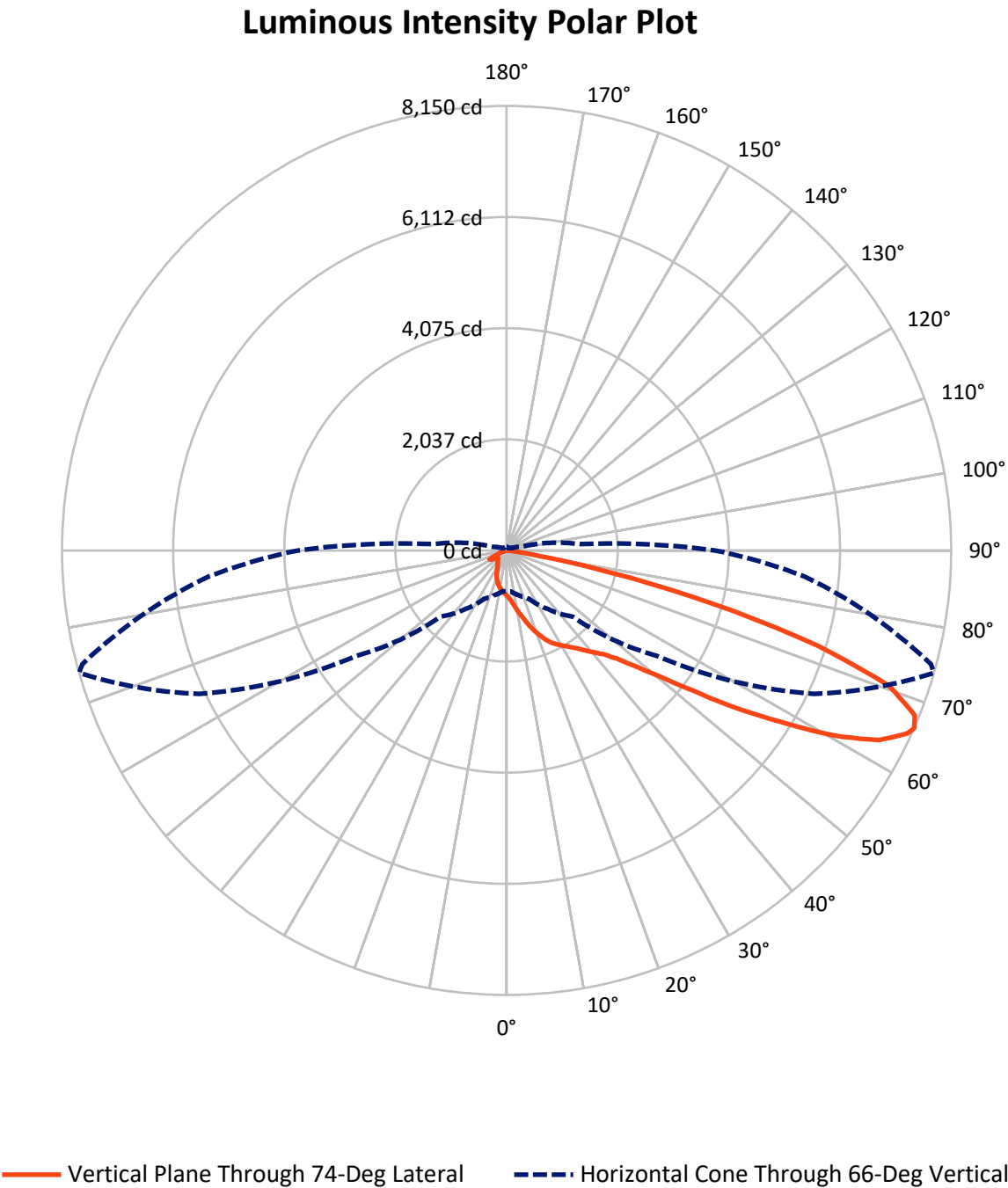
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.7	0.0	744.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6851.4	0.0	6851.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	7596.0	0.0	7596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	1.1
10°-20°	259.5	3.4
20°-30°	495.2	6.5
30°-40°	867.9	11.4
40°-50°	1488.2	19.6
50°-60°	1935.5	25.5
60°-70°	1752.1	23.1
70°-80°	676.1	8.9
80°-90°	40.7	0.5
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°	7596.0	100.0
0°-180°	7596.0	100.0

Coefficient of Utilization



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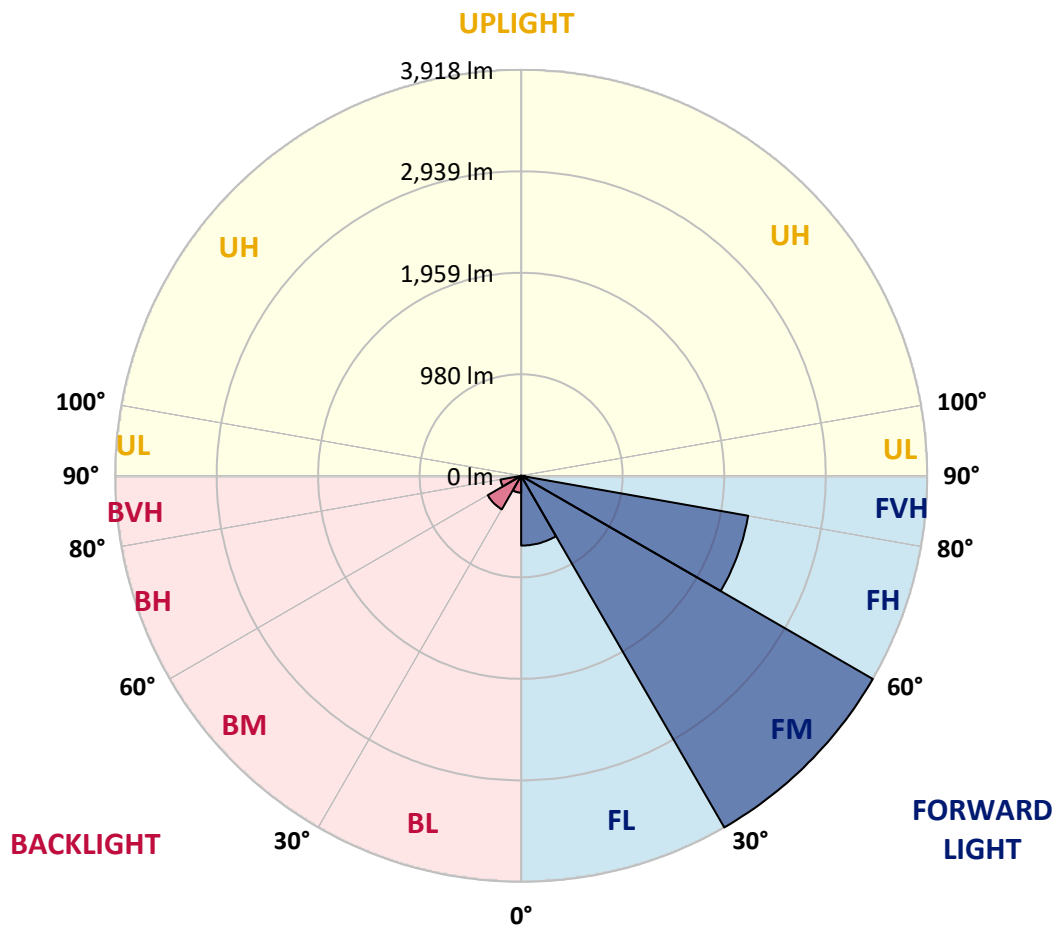
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	673.1	8.9			
FM	(30°-60°)	3918.4	51.6			
FH	(60°-80°)	2224.6	29.3			G2/5000
FVH	(80°-90°)	35.2	0.5			G1/100
BL	(0°-30°)	162.4	2.1	B1/500		
BM	(30°-60°)	373.2	4.9	B1/1000		
BH	(60°-80°)	203.6	2.7	B1/500		G1/500
BVH	(80°-90°)	5.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	829.2	829.2	829.2	829.2	829.2	829.2	829.2	829.2	829.2	829.2	829.2
2.5°	995.5	987.4	972.4	971.0	958.7	943.7	917.8	890.5	871.4	868.7	845.5
5°	1191.9	1187.8	1172.8	1163.3	1140.1	1104.6	1044.6	984.6	934.2	928.7	876.9
7.5°	1243.8	1246.5	1249.2	1258.8	1250.6	1234.2	1189.2	1104.6	1025.6	1013.3	923.3
10°	1251.9	1249.2	1249.2	1261.5	1284.7	1307.9	1302.4	1230.1	1127.8	1112.8	987.4
12.5°	1340.6	1344.7	1335.1	1329.7	1325.6	1337.9	1378.8	1347.4	1235.6	1223.3	1065.1
15°	1455.1	1453.8	1440.1	1440.1	1427.9	1407.4	1433.3	1456.5	1365.1	1350.1	1153.7
17.5°	1538.3	1543.8	1542.4	1550.6	1546.5	1519.2	1505.6	1553.3	1498.8	1479.7	1254.7
20°	1605.2	1620.2	1625.6	1651.5	1663.8	1644.7	1609.2	1639.2	1627.0	1609.2	1356.9
22.5°	1676.1	1688.3	1697.9	1742.9	1777.0	1772.9	1727.9	1721.1	1751.1	1734.7	1457.9
25°	1747.0	1752.4	1781.1	1835.6	1890.2	1903.8	1857.4	1804.3	1862.9	1847.9	1547.9
27.5°	1824.7	1827.4	1861.5	1928.4	2004.7	2033.4	1996.6	1898.4	1948.8	1948.8	1629.7
30°	1966.5	1993.8	2007.5	2067.5	2134.3	2173.8	2130.2	1997.9	2025.2	2037.5	1715.6
32.5°	2272.0	2276.1	2272.0	2297.9	2311.6	2334.8	2284.3	2109.7	2102.9	2116.6	1800.2
35°	2738.4	2722.1	2678.4	2640.2	2561.2	2517.5	2452.0	2252.9	2198.4	2217.5	1883.4
37.5°	3304.4	3281.2	3181.7	3064.4	2895.3	2720.7	2638.9	2427.5	2319.8	2344.3	1973.4
40°	3844.5	3829.5	3710.8	3566.2	3277.1	2978.5	2805.3	2574.8	2454.8	2464.3	2064.7
42.5°	4289.0	4286.3	4186.8	4035.4	3664.4	3256.7	3001.6	2719.3	2596.6	2611.6	2160.2
45°	4625.9	4600.0	4526.3	4417.2	4039.5	3545.8	3238.9	2938.9	2824.4	2842.1	2303.4
47.5°	4625.9	4630.0	4677.7	4666.8	4301.3	3817.2	3498.1	3215.8	3161.2	3177.6	2539.3
50°	4249.5	4287.7	4500.4	4679.1	4437.7	4028.6	3777.6	3562.2	3618.1	3642.6	2951.2
52.5°	3504.9	3569.0	3938.6	4346.3	4336.8	4134.9	4066.7	4002.6	4253.6	4297.2	3559.4
55°	2663.4	2705.7	3187.1	3723.1	3897.6	4047.7	4319.0	4561.8	5095.0	5085.5	4177.2
57.5°	1989.7	2029.3	2443.9	3038.5	3268.9	3669.9	4448.6	5201.4	5929.6	5966.5	4756.8
60°	1463.3	1493.3	1846.5	2334.8	2667.5	3091.7	4396.8	5831.5	6891.1	6848.8	5268.2
62.5°	1082.8	1099.2	1354.2	1672.0	2113.8	2518.9	4070.8	6262.4	7658.9	7573.0	5553.3
65°	837.4	842.8	975.1	1144.2	1537.0	1958.4	3585.3	6327.9	8083.0	7991.7	5547.8
66°	746.0	750.1	846.9	977.8	1307.9	1714.3	3372.6	6222.9	8149.9	8053.0	5479.6
67.5°	626.0	623.2	680.5	766.4	981.9	1322.9	2994.8	5916.0	8070.8	8021.7	5261.4
70°	463.7	465.0	493.7	514.1	574.1	732.3	2162.9	5131.8	7438.0	7435.2	4662.7
72.5°	343.7	347.8	369.6	373.7	358.7	396.9	1246.5	4081.7	5950.1	5951.5	3485.8
75°	257.8	264.6	271.4	274.1	260.5	250.9	563.2	2746.6	3914.0	3885.4	1973.4
77.5°	196.4	199.1	204.6	200.5	197.7	173.2	234.6	1339.2	1932.5	1760.6	639.6
80°	143.2	143.2	148.7	143.2	141.8	124.1	128.2	429.6	567.3	471.9	137.7
82.5°	90.0	88.6	92.7	91.4	88.6	79.1	75.0	120.0	130.9	117.3	66.8
85°	50.5	49.1	47.7	46.4	42.3	35.5	40.9	45.0	60.0	61.4	47.7
87.5°	17.7	17.7	16.4	15.0	12.3	12.3	15.0	15.0	21.8	21.8	24.5
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°	829.2	829.2	829.2	829.2	829.2	829.2	829.2	829.2	829.2	829.2	829.2
2.5°	834.6	819.6	797.8	769.2	748.7	728.3	706.4	694.2	676.4	672.3	677.8
5°	849.6	822.4	767.8	707.8	656.0	609.6	566.0	540.1	514.1	504.6	508.7
7.5°	881.0	834.6	741.9	645.1	559.1	489.6	437.8	407.8	384.6	375.0	377.8
10°	927.4	856.4	717.3	574.1	463.7	390.0	346.4	327.3	313.7	308.2	309.6
12.5°	983.3	887.8	686.0	503.2	381.9	317.8	297.3	293.2	290.5	287.8	289.1
15°	1046.0	915.1	649.2	433.7	317.8	282.3	275.5	274.1	272.8	272.8	272.8
17.5°	1111.5	939.6	608.2	368.2	276.8	260.5	256.4	256.4	256.4	257.8	257.8
20°	1172.8	958.7	560.5	309.6	253.7	240.0	237.3	237.3	238.7	240.0	240.0
22.5°	1232.8	966.9	504.6	268.7	234.6	222.3	218.2	218.2	218.2	219.6	219.6
25°	1284.7	966.9	448.7	242.8	218.2	205.9	200.5	199.1	200.5	200.5	200.5
27.5°	1328.3	962.8	394.1	225.0	201.8	189.6	184.1	182.7	185.5	186.8	186.8
30°	1374.7	957.4	350.5	208.7	188.2	175.9	170.5	170.5	174.6	180.0	180.0
32.5°	1419.7	961.5	316.4	195.0	174.6	165.0	159.6	160.9	169.1	177.3	177.3
35°	1467.4	969.6	295.9	185.5	165.0	155.5	151.4	155.5	163.7	171.8	171.8
37.5°	1515.1	979.2	283.7	177.3	156.8	147.3	144.6	150.0	159.6	167.7	169.1
40°	1565.6	987.4	270.0	169.1	151.4	140.5	139.1	144.6	156.8	165.0	166.4
42.5°	1628.3	1003.7	253.7	162.3	145.9	132.3	133.6	137.7	150.0	162.3	163.7
45°	1751.1	1055.6	237.3	155.5	139.1	128.2	125.5	128.2	141.8	155.5	158.2
47.5°	1981.6	1172.8	219.6	148.7	132.3	125.5	114.6	117.3	129.6	144.6	145.9
50°	2423.4	1422.4	210.0	141.8	126.8	115.9	103.6	103.6	113.2	126.8	126.8
52.5°	3112.1	1869.7	215.5	136.4	120.0	106.4	94.1	92.7	98.2	107.7	107.7
55°	3855.4	2360.7	235.9	130.9	111.8	100.9	87.3	80.5	84.6	90.0	90.0
57.5°	4444.5	2607.5	291.8	128.2	102.3	96.8	79.1	69.6	73.6	79.1	79.1
60°	4703.6	2463.0	354.6	130.9	95.5	90.0	70.9	61.4	68.2	73.6	75.0
62.5°	4493.6	2027.9	380.5	124.1	85.9	80.5	69.6	57.3	65.5	69.6	70.9
65°	4039.5	1541.1	297.3	107.7	79.1	69.6	62.7	54.6	61.4	65.5	65.5
66°	3824.0	1343.3	253.7	99.6	76.4	65.5	60.0	54.6	60.0	62.7	64.1
67.5°	3489.9	1059.6	188.2	87.3	70.9	60.0	55.9	51.8	57.3	60.0	60.0
70°	2728.9	631.4	113.2	68.2	61.4	53.2	50.5	47.7	51.8	53.2	53.2
72.5°	1708.8	300.0	72.3	50.5	51.8	50.5	42.3	45.0	46.4	47.7	47.7
75°	827.8	118.6	49.1	36.8	42.3	47.7	34.1	39.5	40.9	43.6	42.3
77.5°	230.5	57.3	31.4	27.3	36.8	36.8	25.9	31.4	36.8	46.4	42.3
80°	66.8	36.8	20.5	20.5	25.9	25.9	17.7	21.8	24.5	27.3	28.6
82.5°	46.4	24.5	13.6	15.0	15.0	16.4	10.9	10.9	13.6	13.6	15.0
85°	36.8	10.9	8.2	9.5	6.8	8.2	5.5	5.5	6.8	5.5	5.5
87.5°	15.0	5.5	5.5	5.5	4.1	4.1	2.7	1.4	1.4	1.4	1.4
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)