

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: P1210780

Luminaire Tested: **ARCH3-70-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210780
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: ARCH3-70-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 580mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8250 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.1
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

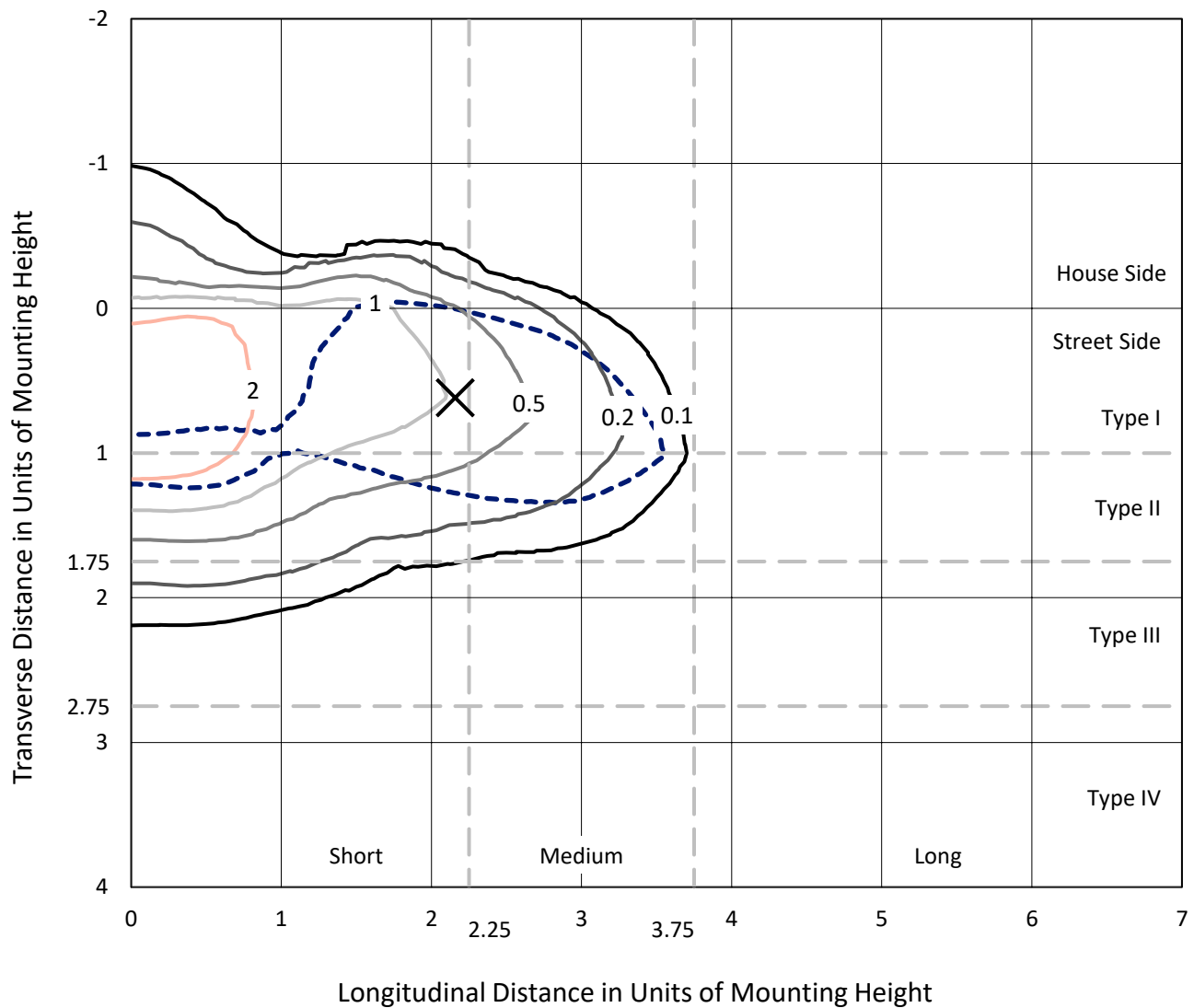


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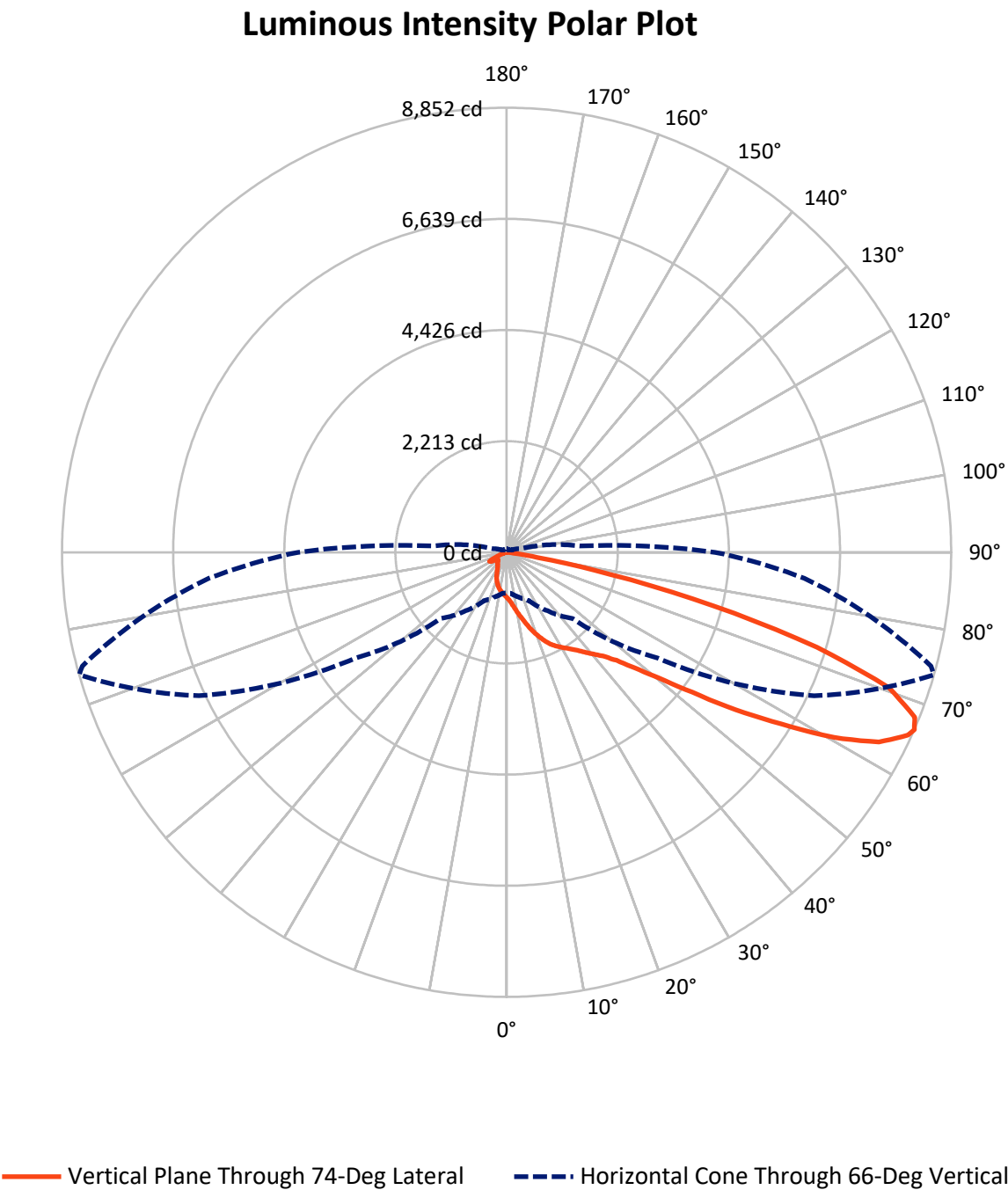
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	808.8	0.0	808.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	7441.2	0.0	7441.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	8250.0	0.0	8250.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	1.1
10°-20°	281.8	3.4
20°-30°	537.8	6.5
30°-40°	942.6	11.4
40°-50°	1616.3	19.6
50°-60°	2102.2	25.5
60°-70°	1903.0	23.1
70°-80°	734.3	8.9
80°-90°	44.2	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°	8250.0	100.0
0°-180°	8250.0	100.0

Coefficient of Utilization



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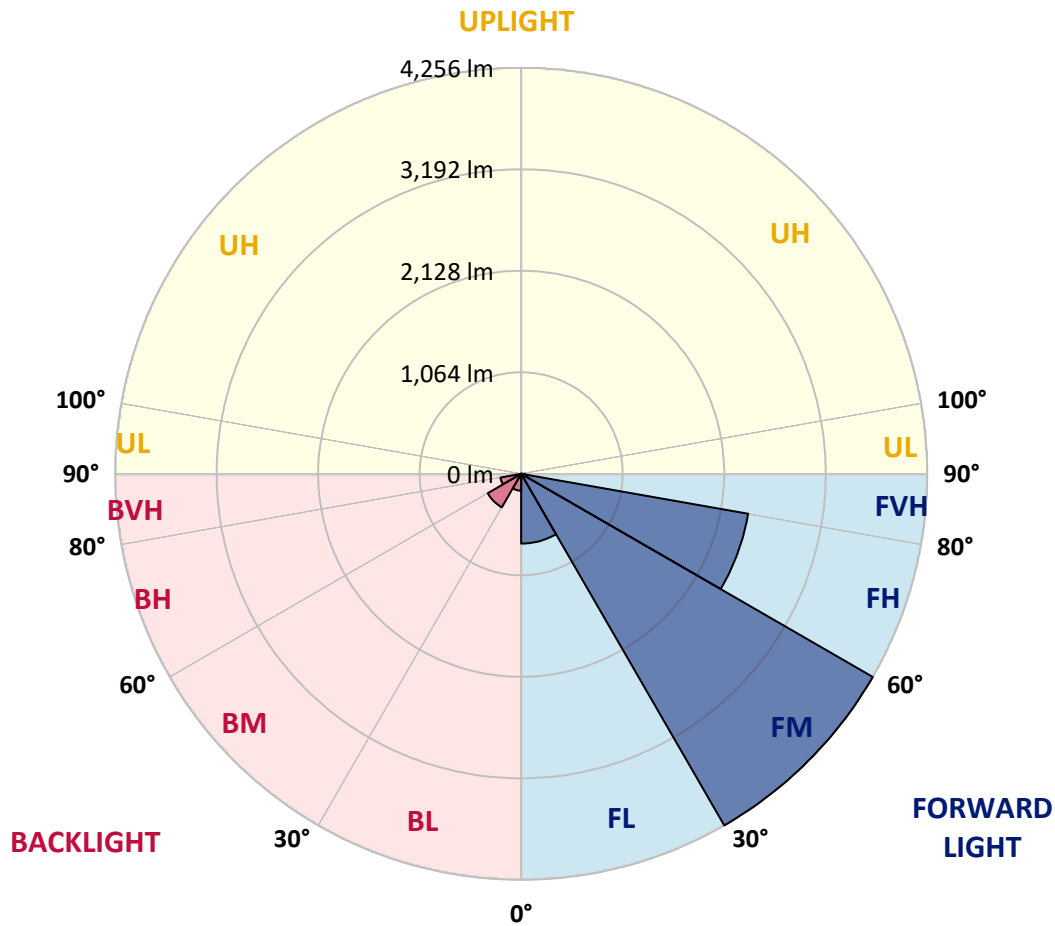
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	731.1	8.9			
FM	(30°-60°)	4255.8	51.6			
FH	(60°-80°)	2416.1	29.3			G2/5000
FVH	(80°-90°)	38.3	0.5			G1/100
BL	(0°-30°)	176.4	2.1	B1/500		
BM	(30°-60°)	405.3	4.9	B1/1000		
BH	(60°-80°)	221.1	2.7	B1/500		G1/500
BVH	(80°-90°)	5.9	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°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
2.5°	1081.3	1072.4	1056.1	1054.6	1041.3	1025.0	996.8	967.2	946.5	943.5	918.3
5°	1294.6	1290.1	1273.8	1263.4	1238.3	1199.8	1134.6	1069.4	1014.6	1008.7	952.4
7.5°	1350.8	1353.8	1356.8	1367.1	1358.2	1340.5	1291.6	1199.8	1113.8	1100.5	1002.8
10°	1359.7	1356.8	1356.8	1370.1	1395.3	1420.5	1414.5	1336.0	1224.9	1208.6	1072.4
12.5°	1456.0	1460.4	1450.1	1444.2	1439.7	1453.0	1497.5	1463.4	1342.0	1328.6	1156.8
15°	1580.4	1578.9	1564.1	1564.1	1550.8	1528.6	1556.7	1581.9	1482.7	1466.4	1253.1
17.5°	1670.8	1676.7	1675.2	1684.1	1679.7	1650.0	1635.2	1687.1	1627.8	1607.1	1362.7
20°	1743.4	1759.6	1765.6	1793.7	1807.0	1786.3	1747.8	1780.4	1767.1	1747.8	1473.8
22.5°	1820.4	1833.7	1844.1	1893.0	1930.0	1925.5	1876.7	1869.3	1901.8	1884.1	1583.4
25°	1897.4	1903.3	1934.4	1993.7	2052.9	2067.7	2017.4	1959.6	2023.3	2007.0	1681.1
27.5°	1981.8	1984.8	2021.8	2094.4	2177.3	2208.4	2168.5	2061.8	2116.6	2116.6	1770.0
30°	2135.9	2165.5	2180.3	2245.5	2318.1	2361.0	2313.6	2169.9	2199.6	2212.9	1863.3
32.5°	2467.6	2472.1	2467.6	2495.8	2510.6	2535.8	2481.0	2291.4	2284.0	2298.8	1955.2
35°	2974.2	2956.4	2909.0	2867.6	2781.7	2734.3	2663.2	2446.9	2387.7	2408.4	2045.5
37.5°	3588.9	3563.7	3455.6	3328.2	3144.5	2955.0	2866.1	2636.5	2519.5	2546.2	2143.3
40°	4175.5	4159.2	4030.3	3873.3	3559.3	3234.9	3046.8	2796.5	2666.1	2676.5	2242.5
42.5°	4658.3	4655.4	4547.2	4382.8	3979.9	3537.1	3260.1	2953.5	2820.2	2836.5	2346.2
45°	5024.2	4996.0	4916.0	4797.5	4387.3	3851.1	3517.8	3191.9	3067.5	3086.8	2501.7
47.5°	5024.2	5028.6	5080.5	5068.6	4671.6	4145.8	3799.2	3492.6	3433.4	3451.2	2758.0
50°	4615.4	4656.8	4887.9	5081.9	4819.8	4375.4	4102.9	3868.8	3929.6	3956.2	3205.3
52.5°	3806.6	3876.3	4277.7	4720.5	4710.2	4490.9	4416.9	4347.3	4619.8	4667.2	3865.9
55°	2892.7	2938.7	3461.5	4043.6	4233.2	4396.1	4690.9	4954.6	5533.7	5523.3	4536.9
57.5°	2161.0	2204.0	2654.3	3300.1	3550.4	3985.9	4831.6	5649.2	6440.2	6480.2	5166.4
60°	1589.3	1621.9	2005.5	2535.8	2897.2	3357.8	4775.3	6333.5	7484.4	7438.5	5721.8
62.5°	1176.1	1193.8	1470.8	1815.9	2295.8	2735.7	4421.3	6801.6	8318.3	8225.0	6031.4
65°	909.4	915.4	1059.0	1242.7	1669.3	2127.0	3894.0	6872.7	8779.0	8679.7	6025.4
66°	810.2	814.7	919.8	1062.0	1420.5	1861.8	3663.0	6758.6	8851.5	8746.4	5951.4
67.5°	679.9	676.9	739.1	832.4	1066.5	1436.7	3252.7	6425.4	8765.6	8712.3	5714.4
70°	503.6	505.1	536.2	558.4	623.6	795.4	2349.2	5573.7	8078.4	8075.4	5064.2
72.5°	373.3	377.7	401.4	405.8	389.6	431.0	1353.8	4433.2	6462.4	6463.9	3785.9
75°	279.9	287.3	294.8	297.7	282.9	272.5	611.7	2983.1	4251.0	4219.9	2143.3
77.5°	213.3	216.3	222.2	217.7	214.8	188.1	254.8	1454.5	2098.8	1912.2	694.7
80°	155.5	155.5	161.4	155.5	154.0	134.8	139.2	466.6	616.2	512.5	149.6
82.5°	97.8	96.3	100.7	99.2	96.3	85.9	81.5	130.3	142.2	127.4	72.6
85°	54.8	53.3	51.8	50.4	45.9	38.5	44.4	48.9	65.2	66.7	51.8
87.5°	19.3	19.3	17.8	16.3	13.3	13.3	16.3	16.3	23.7	23.7	26.7
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°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
2.5°	906.5	890.2	866.5	835.4	813.2	791.0	767.3	753.9	734.7	730.2	736.1
5°	922.8	893.2	833.9	768.7	712.4	662.1	614.7	586.5	558.4	548.0	552.5
7.5°	956.8	906.5	805.8	700.6	607.3	531.7	475.5	442.9	417.7	407.3	410.3
10°	1007.2	930.2	779.1	623.6	503.6	423.6	376.2	355.5	340.7	334.7	336.2
12.5°	1067.9	964.2	745.0	546.6	414.7	345.1	322.9	318.5	315.5	312.5	314.0
15°	1136.1	993.9	705.0	471.0	345.1	306.6	299.2	297.7	296.2	296.2	296.2
17.5°	1207.2	1020.5	660.6	399.9	300.7	282.9	278.5	278.5	278.5	279.9	279.9
20°	1273.8	1041.3	608.8	336.2	275.5	260.7	257.7	257.7	259.2	260.7	260.7
22.5°	1339.0	1050.2	548.0	291.8	254.8	241.4	237.0	237.0	237.0	238.5	238.5
25°	1395.3	1050.2	487.3	263.7	237.0	223.7	217.7	216.3	217.7	217.7	217.7
27.5°	1442.7	1045.7	428.1	244.4	219.2	205.9	200.0	198.5	201.4	202.9	202.9
30°	1493.0	1039.8	380.7	226.6	204.4	191.1	185.1	185.1	189.6	195.5	195.5
32.5°	1541.9	1044.2	343.6	211.8	189.6	179.2	173.3	174.8	183.7	192.6	192.6
35°	1593.8	1053.1	321.4	201.4	179.2	168.9	164.4	168.9	177.7	186.6	186.6
37.5°	1645.6	1063.5	308.1	192.6	170.3	160.0	157.0	162.9	173.3	182.2	183.7
40°	1700.4	1072.4	293.3	183.7	164.4	152.6	151.1	157.0	170.3	179.2	180.7
42.5°	1768.5	1090.2	275.5	176.3	158.5	143.7	145.2	149.6	162.9	176.3	177.7
45°	1901.8	1146.4	257.7	168.9	151.1	139.2	136.3	139.2	154.0	168.9	171.8
47.5°	2152.2	1273.8	238.5	161.4	143.7	136.3	124.4	127.4	140.7	157.0	158.5
50°	2632.1	1544.9	228.1	154.0	137.7	125.9	112.6	112.6	122.9	137.7	137.7
52.5°	3380.1	2030.7	234.0	148.1	130.3	115.5	102.2	100.7	106.6	117.0	117.0
55°	4187.3	2563.9	256.2	142.2	121.5	109.6	94.8	87.4	91.8	97.8	97.8
57.5°	4827.2	2832.0	317.0	139.2	111.1	105.2	85.9	75.5	80.0	85.9	85.9
60°	5108.6	2675.0	385.1	142.2	103.7	97.8	77.0	66.7	74.1	80.0	81.5
62.5°	4880.5	2202.5	413.2	134.8	93.3	87.4	75.5	62.2	71.1	75.5	77.0
65°	4387.3	1673.7	322.9	117.0	85.9	75.5	68.1	59.2	66.7	71.1	71.1
66°	4153.2	1459.0	275.5	108.1	82.9	71.1	65.2	59.2	65.2	68.1	69.6
67.5°	3790.3	1150.9	204.4	94.8	77.0	65.2	60.7	56.3	62.2	65.2	65.2
70°	2963.8	685.8	122.9	74.1	66.7	57.8	54.8	51.8	56.3	57.8	57.8
72.5°	1855.9	325.9	78.5	54.8	56.3	54.8	45.9	48.9	50.4	51.8	51.8
75°	899.1	128.9	53.3	40.0	45.9	51.8	37.0	43.0	44.4	47.4	45.9
77.5°	250.3	62.2	34.1	29.6	40.0	40.0	28.1	34.1	40.0	50.4	45.9
80°	72.6	40.0	22.2	22.2	28.1	28.1	19.3	23.7	26.7	29.6	31.1
82.5°	50.4	26.7	14.8	16.3	16.3	17.8	11.8	11.8	14.8	14.8	16.3
85°	40.0	11.8	8.9	10.4	7.4	8.9	5.9	5.9	7.4	5.9	5.9
87.5°	16.3	5.9	5.9	5.9	4.4	4.4	3.0	1.5	1.5	1.5	1.5
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)