

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: P1210292

Luminaire Tested: **ARCH2-80-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210292
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: ARCH2-80-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 630mA 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: 7040 lumens
Efficiency: N/A
Efficacy: 83.5 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

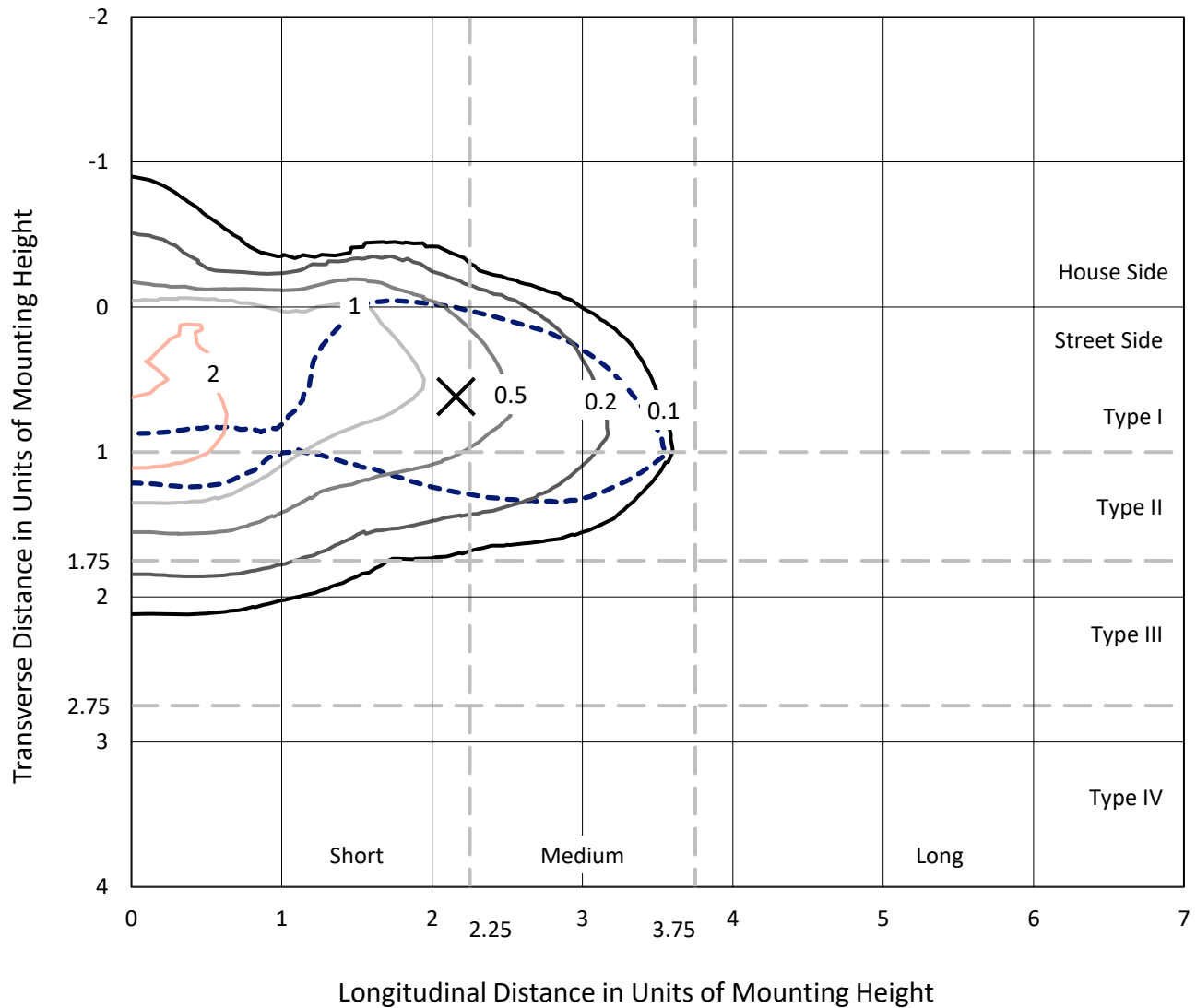
Input Watts (W): 84.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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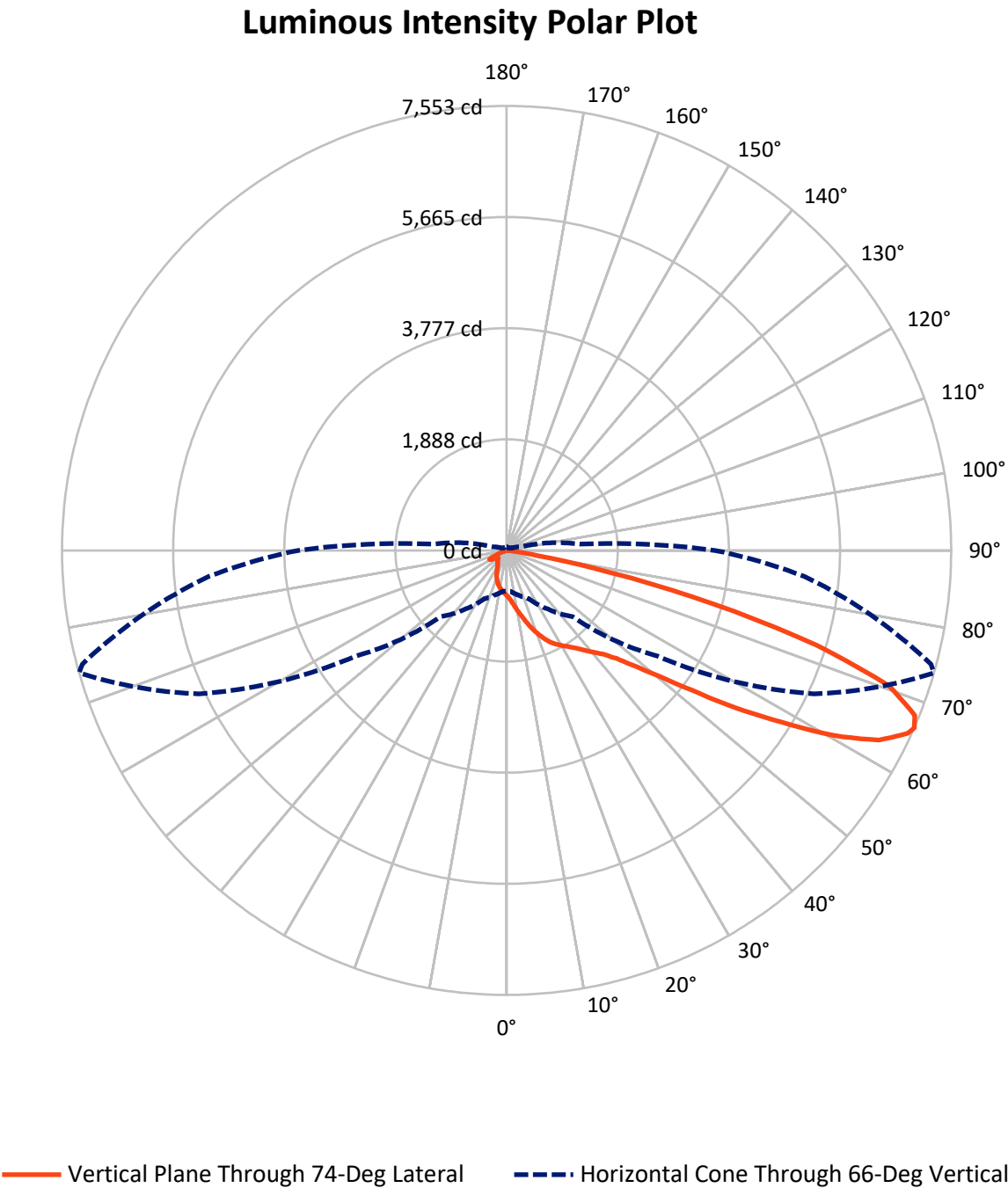
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	690.1	0.0	690.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6349.8	0.0	6349.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	7040.0	0.0	7040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.1
10°-20°	240.5	3.4
20°-30°	458.9	6.5
30°-40°	804.4	11.4
40°-50°	1379.3	19.6
50°-60°	1793.8	25.5
60°-70°	1623.9	23.1
70°-80°	626.6	8.9
80°-90°	37.7	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°	7040.0	100.0
0°-180°	7040.0	100.0

Coefficient of Utilization



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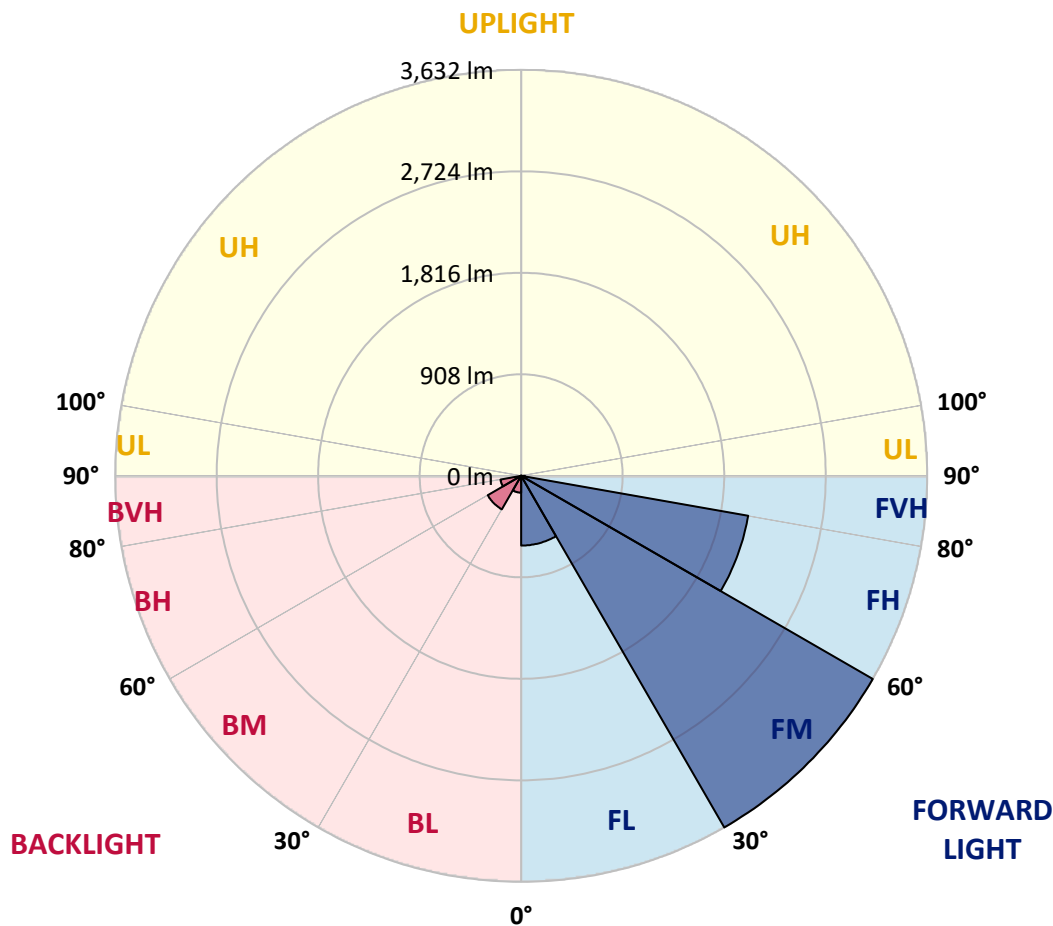
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	623.8	8.9			
FM	(30°-60°)	3631.6	51.6			
FH	(60°-80°)	2061.8	29.3			G2/5000
FVH	(80°-90°)	32.7	0.5			G1/100
BL	(0°-30°)	150.5	2.1	B1/500		
BM	(30°-60°)	345.9	4.9	B1/1000		
BH	(60°-80°)	188.7	2.7	B1/500		G1/500
BVH	(80°-90°)	5.1	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°	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5
2.5°	922.7	915.1	901.2	899.9	888.6	874.6	850.6	825.4	807.7	805.1	783.6
5°	1104.7	1100.9	1087.0	1078.1	1056.7	1023.8	968.2	912.6	865.8	860.7	812.7
7.5°	1152.7	1155.2	1157.8	1166.6	1159.0	1143.9	1102.2	1023.8	950.5	939.1	855.7
10°	1160.3	1157.8	1157.8	1169.1	1190.6	1212.1	1207.1	1140.1	1045.3	1031.4	915.1
12.5°	1242.5	1246.2	1237.4	1232.3	1228.6	1239.9	1277.8	1248.8	1145.1	1133.8	987.1
15°	1348.6	1347.4	1334.7	1334.7	1323.3	1304.4	1328.4	1349.9	1265.2	1251.3	1069.3
17.5°	1425.7	1430.8	1429.5	1437.1	1433.3	1408.0	1395.4	1439.6	1389.1	1371.4	1162.8
20°	1487.7	1501.6	1506.6	1530.6	1542.0	1524.3	1491.5	1519.3	1507.9	1491.5	1257.6
22.5°	1553.4	1564.8	1573.6	1615.3	1646.9	1643.1	1601.4	1595.1	1622.9	1607.7	1351.2
25°	1619.1	1624.2	1650.7	1701.3	1751.8	1764.5	1721.5	1672.2	1726.5	1712.6	1434.6
27.5°	1691.2	1693.7	1725.3	1787.2	1858.0	1884.5	1850.4	1759.4	1806.2	1806.2	1510.4
30°	1822.6	1847.9	1860.5	1916.1	1978.1	2014.7	1974.3	1851.7	1877.0	1888.3	1590.0
32.5°	2105.7	2109.5	2105.7	2129.7	2142.4	2163.9	2117.1	1955.3	1949.0	1961.6	1668.4
35°	2538.0	2522.8	2482.4	2447.0	2373.7	2333.2	2272.6	2088.0	2037.5	2055.2	1745.5
37.5°	3062.5	3041.0	2948.8	2840.1	2683.3	2521.6	2445.7	2249.8	2150.0	2172.7	1828.9
40°	3563.1	3549.1	3439.2	3305.2	3037.3	2760.4	2599.9	2386.3	2275.1	2283.9	1913.6
42.5°	3975.1	3972.6	3880.3	3740.0	3396.2	3018.3	2781.9	2520.3	2406.5	2420.4	2002.1
45°	4287.3	4263.3	4195.0	4093.9	3743.8	3286.2	3001.9	2723.8	2617.6	2634.1	2134.8
47.5°	4287.3	4291.1	4335.3	4325.2	3986.5	3537.8	3242.0	2980.4	2929.8	2945.0	2353.5
50°	3938.4	3973.8	4171.0	4336.6	4112.9	3733.7	3501.1	3301.4	3353.2	3376.0	2735.2
52.5°	3248.3	3307.7	3650.3	4028.2	4019.3	3832.3	3769.1	3709.7	3942.2	3982.7	3298.9
55°	2468.5	2507.7	2953.8	3450.6	3612.3	3751.4	4002.9	4227.9	4722.1	4713.2	3871.5
57.5°	1844.1	1880.7	2265.0	2816.1	3029.7	3401.3	4123.0	4820.7	5495.6	5529.7	4408.6
60°	1356.2	1384.0	1711.4	2163.9	2472.3	2865.4	4074.9	5404.6	6386.7	6347.5	4882.6
62.5°	1003.6	1018.7	1255.1	1549.6	1959.1	2334.5	3772.9	5804.0	7098.3	7018.7	5146.8
65°	776.1	781.1	903.7	1060.4	1424.5	1815.0	3322.9	5864.7	7491.4	7406.7	5141.7
66°	691.4	695.2	784.9	906.2	1212.1	1588.8	3125.7	5767.4	7553.3	7463.6	5078.5
67.5°	580.1	577.6	630.7	710.3	910.0	1226.0	2775.6	5483.0	7480.0	7434.5	4876.3
70°	429.7	431.0	457.5	476.5	532.1	678.7	2004.6	4756.2	6893.5	6891.0	4321.4
72.5°	318.5	322.3	342.5	346.3	332.4	367.8	1155.2	3783.0	5514.6	5515.8	3230.6
75°	238.9	245.2	251.5	254.1	241.4	232.6	522.0	2545.6	3627.5	3601.0	1828.9
77.5°	182.0	184.5	189.6	185.8	183.3	160.5	217.4	1241.2	1791.0	1631.7	592.8
80°	132.7	132.7	137.8	132.7	131.4	115.0	118.8	398.1	525.8	437.3	127.7
82.5°	83.4	82.2	85.9	84.7	82.2	73.3	69.5	111.2	121.3	108.7	61.9
85°	46.8	45.5	44.2	43.0	39.2	32.9	37.9	41.7	55.6	56.9	44.2
87.5°	16.4	16.4	15.2	13.9	11.4	11.4	13.9	13.9	20.2	20.2	22.8
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°	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5
2.5°	773.5	759.6	739.4	712.9	693.9	674.9	654.7	643.3	626.9	623.1	628.2
5°	787.4	762.2	711.6	656.0	608.0	565.0	524.5	500.5	476.5	467.7	471.5
7.5°	816.5	773.5	687.6	597.8	518.2	453.8	405.7	377.9	356.4	347.6	350.1
10°	859.5	793.8	664.8	532.1	429.7	361.5	321.0	303.3	290.7	285.7	286.9
12.5°	911.3	822.8	635.8	466.4	353.9	294.5	275.5	271.7	269.2	266.7	268.0
15°	969.4	848.1	601.6	401.9	294.5	261.6	255.3	254.1	252.8	252.8	252.8
17.5°	1030.1	870.9	563.7	341.3	256.6	241.4	237.6	237.6	237.6	238.9	238.9
20°	1087.0	888.6	519.5	286.9	235.1	222.5	219.9	219.9	221.2	222.5	222.5
22.5°	1142.6	896.1	467.7	249.0	217.4	206.0	202.2	202.2	202.2	203.5	203.5
25°	1190.6	896.1	415.8	225.0	202.2	190.9	185.8	184.5	185.8	185.8	185.8
27.5°	1231.1	892.3	365.3	208.6	187.1	175.7	170.6	169.4	171.9	173.2	173.2
30°	1274.1	887.3	324.8	193.4	174.4	163.0	158.0	158.0	161.8	166.8	166.8
32.5°	1315.8	891.1	293.2	180.7	161.8	152.9	147.9	149.1	156.7	164.3	164.3
35°	1360.0	898.7	274.3	171.9	152.9	144.1	140.3	144.1	151.7	159.3	159.3
37.5°	1404.2	907.5	262.9	164.3	145.4	136.5	134.0	139.0	147.9	155.5	156.7
40°	1451.0	915.1	250.3	156.7	140.3	130.2	128.9	134.0	145.4	152.9	154.2
42.5°	1509.1	930.3	235.1	150.4	135.2	122.6	123.9	127.7	139.0	150.4	151.7
45°	1622.9	978.3	219.9	144.1	128.9	118.8	116.3	118.8	131.4	144.1	146.6
47.5°	1836.5	1087.0	203.5	137.8	122.6	116.3	106.2	108.7	120.1	134.0	135.2
50°	2246.0	1318.3	194.6	131.4	117.5	107.4	96.1	96.1	104.9	117.5	117.5
52.5°	2884.3	1732.9	199.7	126.4	111.2	98.6	87.2	85.9	91.0	99.9	99.9
55°	3573.2	2187.9	218.7	121.3	103.6	93.5	80.9	74.6	78.4	83.4	83.4
57.5°	4119.2	2416.7	270.5	118.8	94.8	89.7	73.3	64.5	68.3	73.3	73.3
60°	4359.3	2282.7	328.6	121.3	88.5	83.4	65.7	56.9	63.2	68.3	69.5
62.5°	4164.7	1879.5	352.6	115.0	79.6	74.6	64.5	53.1	60.7	64.5	65.7
65°	3743.8	1428.3	275.5	99.9	73.3	64.5	58.1	50.6	56.9	60.7	60.7
66°	3544.1	1245.0	235.1	92.3	70.8	60.7	55.6	50.6	55.6	58.1	59.4
67.5°	3234.4	982.1	174.4	80.9	65.7	55.6	51.8	48.0	53.1	55.6	55.6
70°	2529.1	585.2	104.9	63.2	56.9	49.3	46.8	44.2	48.0	49.3	49.3
72.5°	1583.7	278.1	67.0	46.8	48.0	46.8	39.2	41.7	43.0	44.2	44.2
75°	767.2	110.0	45.5	34.1	39.2	44.2	31.6	36.7	37.9	40.4	39.2
77.5°	213.6	53.1	29.1	25.3	34.1	34.1	24.0	29.1	34.1	43.0	39.2
80°	61.9	34.1	19.0	19.0	24.0	24.0	16.4	20.2	22.8	25.3	26.5
82.5°	43.0	22.8	12.6	13.9	13.9	15.2	10.1	10.1	12.6	12.6	13.9
85°	34.1	10.1	7.6	8.8	6.3	7.6	5.1	5.1	6.3	5.1	5.1
87.5°	13.9	5.1	5.1	5.1	3.8	3.8	2.5	1.3	1.3	1.3	1.3
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)