

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: P1209940

Luminaire Tested: **ARCH1-30-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209940
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: ARCH1-30-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2906 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 33
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



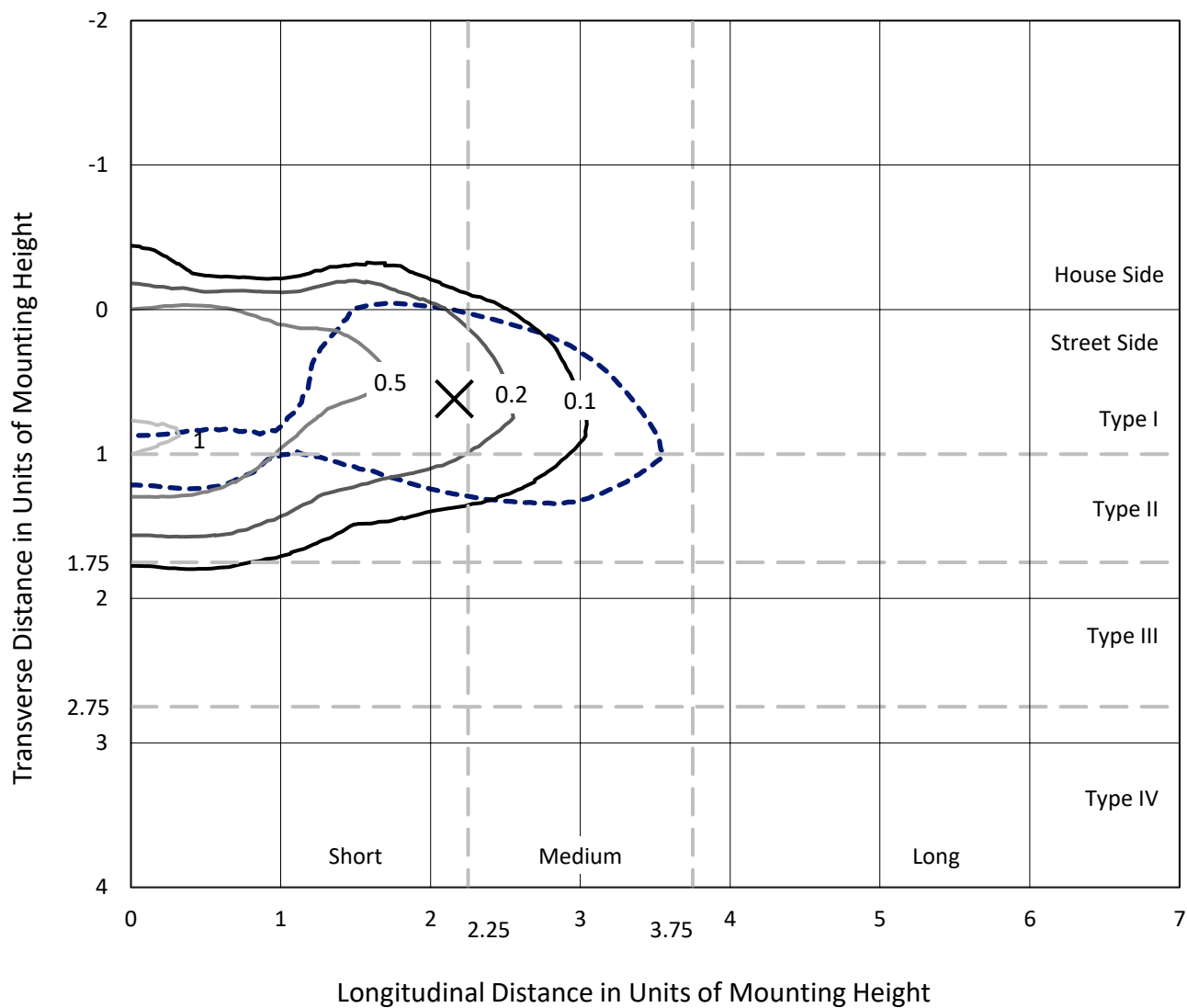
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

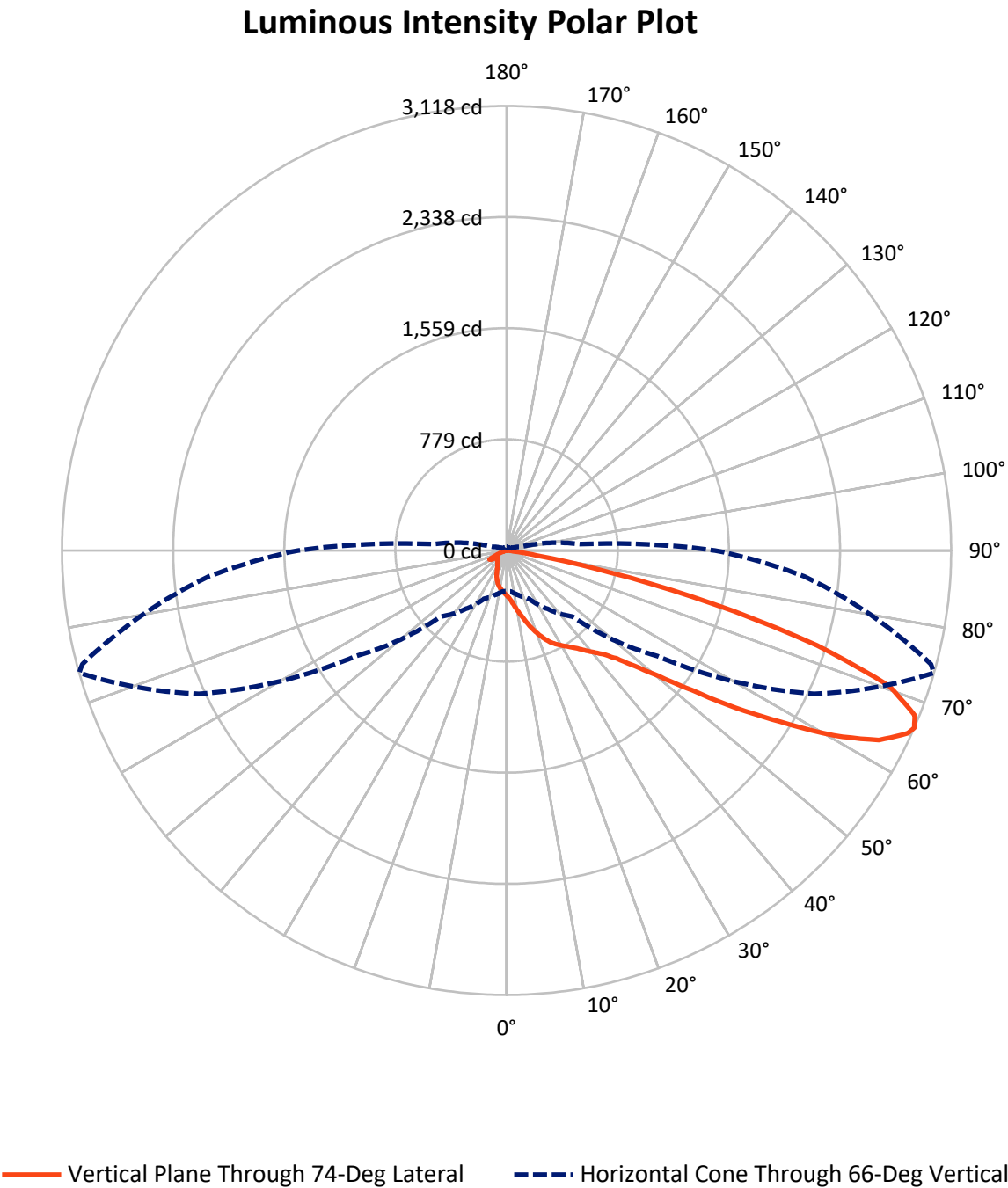
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc

Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	284.9	0.0	284.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2621.1	0.0	2621.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	2906.0	0.0	2906.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	1.1
10°-20°	99.3	3.4
20°-30°	189.4	6.5
30°-40°	332.0	11.4
40°-50°	569.3	19.6
50°-60°	740.5	25.5
60°-70°	670.3	23.1
70°-80°	258.6	8.9
80°-90°	15.6	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°	2906.0	100.0
0°-180°	2906.0	100.0

Coefficient of Utilization



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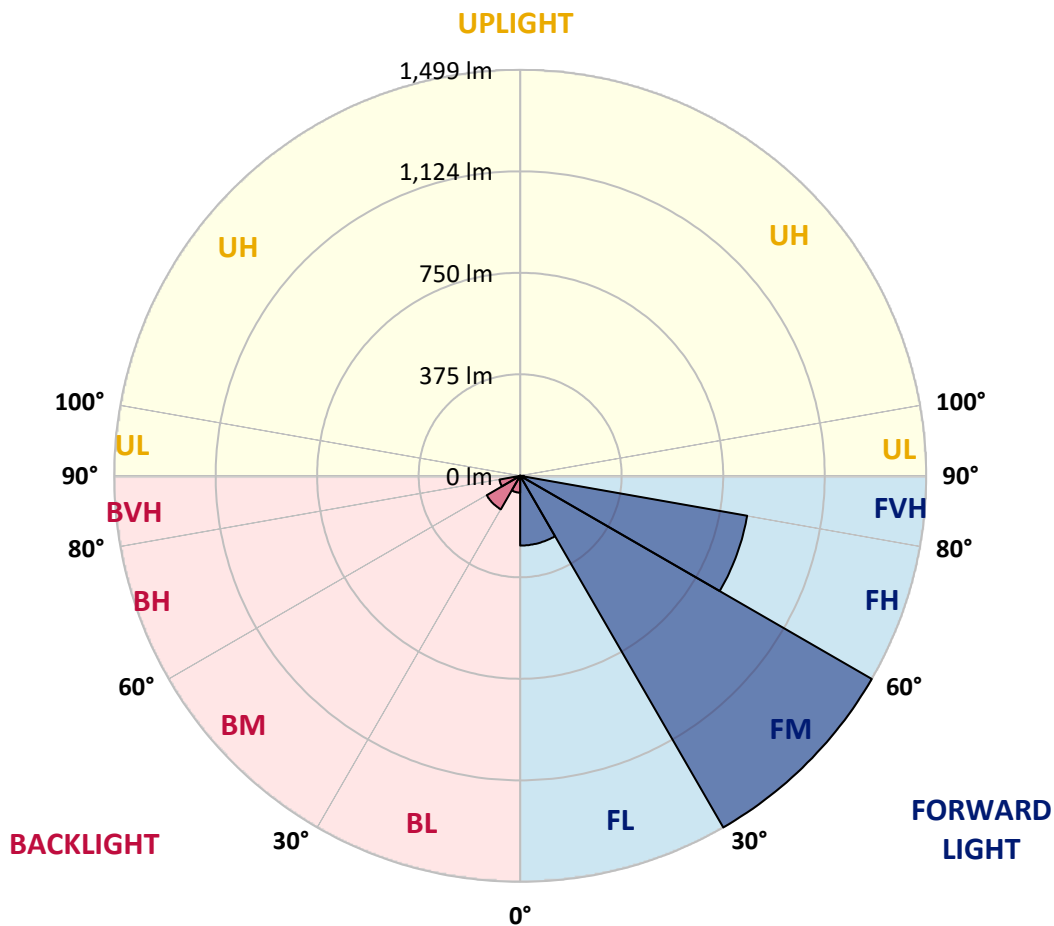
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.5	8.9			
FM	(30°-60°)	1499.1	51.6			
FH	(60°-80°)	851.1	29.3			G1/1800
FVH	(80°-90°)	13.5	0.5			G1/100
BL	(0°-30°)	62.1	2.1	B0/110		
BM	(30°-60°)	142.8	4.9	B0/220		
BH	(60°-80°)	77.9	2.7	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2
2.5°	380.9	377.7	372.0	371.5	366.8	361.0	351.1	340.7	333.4	332.3	323.5
5°	456.0	454.4	448.7	445.0	436.2	422.6	399.6	376.7	357.4	355.3	335.5
7.5°	475.8	476.9	477.9	481.6	478.4	472.2	455.0	422.6	392.3	387.6	353.2
10°	479.0	477.9	477.9	482.6	491.5	500.3	498.3	470.6	431.5	425.7	377.7
12.5°	512.9	514.4	510.8	508.7	507.1	511.8	527.5	515.5	472.7	468.0	407.5
15°	556.7	556.2	551.0	551.0	546.3	538.4	548.3	557.2	522.3	516.5	441.4
17.5°	588.5	590.6	590.1	593.2	591.6	581.2	576.0	594.3	573.4	566.1	480.0
20°	614.1	619.8	621.9	631.8	636.5	629.2	615.6	627.1	622.4	615.6	519.1
22.5°	641.2	645.9	649.6	666.8	679.8	678.3	661.0	658.4	669.9	663.6	557.7
25°	668.3	670.4	681.4	702.3	723.1	728.3	710.6	690.3	712.7	707.0	592.2
27.5°	698.1	699.1	712.2	737.7	767.0	777.9	763.8	726.3	745.6	745.6	623.5
30°	752.3	762.8	768.0	791.0	816.5	831.6	815.0	764.3	774.8	779.5	656.3
32.5°	869.2	870.8	869.2	879.1	884.3	893.2	873.9	807.1	804.5	809.7	688.7
35°	1047.6	1041.4	1024.7	1010.1	979.8	963.1	938.1	861.9	841.0	848.3	720.5
37.5°	1264.2	1255.3	1217.2	1172.3	1107.6	1040.9	1009.6	928.7	887.5	896.9	755.0
40°	1470.8	1465.0	1419.6	1364.3	1253.7	1139.5	1073.2	985.0	939.1	942.8	789.9
42.5°	1640.9	1639.8	1601.7	1543.8	1401.9	1245.9	1148.3	1040.3	993.4	999.1	826.4
45°	1769.7	1759.8	1731.6	1689.9	1545.4	1356.5	1239.1	1124.3	1080.5	1087.3	881.2
47.5°	1769.7	1771.3	1789.6	1785.4	1645.6	1460.3	1338.3	1230.3	1209.4	1215.6	971.5
50°	1625.7	1640.3	1721.7	1790.1	1697.7	1541.2	1445.2	1362.8	1384.2	1393.6	1129.0
52.5°	1340.9	1365.4	1506.8	1662.8	1659.1	1581.9	1555.8	1531.3	1627.3	1644.0	1361.7
55°	1018.9	1035.1	1219.3	1424.3	1491.1	1548.5	1652.3	1745.2	1949.2	1945.6	1598.1
57.5°	761.2	776.3	934.9	1162.4	1250.6	1404.0	1701.9	1989.9	2268.5	2282.6	1819.8
60°	559.8	571.3	706.4	893.2	1020.5	1182.8	1682.1	2230.9	2636.3	2620.2	2015.5
62.5°	414.3	420.5	518.1	639.6	808.7	963.6	1557.4	2395.8	2930.1	2897.2	2124.5
65°	320.3	322.4	373.0	437.7	588.0	749.2	1371.6	2420.9	3092.3	3057.4	2122.4
66°	285.4	287.0	324.0	374.1	500.3	655.8	1290.3	2380.7	3117.9	3080.8	2096.3
67.5°	239.5	238.4	260.3	293.2	375.6	506.1	1145.7	2263.3	3087.6	3068.8	2012.9
70°	177.4	177.9	188.9	196.7	219.7	280.2	827.5	1963.3	2845.5	2844.5	1783.8
72.5°	131.5	133.0	141.4	143.0	137.2	151.8	476.9	1561.6	2276.3	2276.9	1333.6
75°	98.6	101.2	103.8	104.9	99.7	96.0	215.5	1050.8	1497.4	1486.4	755.0
77.5°	75.1	76.2	78.3	76.7	75.7	66.3	89.7	512.3	739.3	673.6	244.7
80°	54.8	54.8	56.9	54.8	54.3	47.5	49.0	164.3	217.0	180.5	52.7
82.5°	34.4	33.9	35.5	35.0	33.9	30.3	28.7	45.9	50.1	44.9	25.6
85°	19.3	18.8	18.3	17.7	16.2	13.6	15.7	17.2	23.0	23.5	18.3
87.5°	6.8	6.8	6.3	5.7	4.7	4.7	5.7	5.7	8.3	8.3	9.4
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°	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2	317.2
2.5°	319.3	313.6	305.2	294.3	286.4	278.6	270.3	265.6	258.8	257.2	259.3
5°	325.0	314.6	293.7	270.8	251.0	233.2	216.5	206.6	196.7	193.0	194.6
7.5°	337.0	319.3	283.8	246.8	213.9	187.3	167.5	156.0	147.1	143.5	144.5
10°	354.8	327.6	274.4	219.7	177.4	149.2	132.5	125.2	120.0	117.9	118.4
12.5°	376.2	339.6	262.4	192.5	146.1	121.6	113.7	112.2	111.1	110.1	110.6
15°	400.2	350.1	248.3	165.9	121.6	108.0	105.4	104.9	104.3	104.3	104.3
17.5°	425.2	359.5	232.7	140.9	105.9	99.7	98.1	98.1	98.1	98.6	98.6
20°	448.7	366.8	214.4	118.4	97.0	91.8	90.8	90.8	91.3	91.8	91.8
22.5°	471.6	369.9	193.0	102.8	89.7	85.0	83.5	83.5	83.5	84.0	84.0
25°	491.5	369.9	171.7	92.9	83.5	78.8	76.7	76.2	76.7	76.7	76.7
27.5°	508.2	368.3	150.8	86.1	77.2	72.5	70.4	69.9	71.0	71.5	71.5
30°	525.9	366.3	134.1	79.8	72.0	67.3	65.2	65.2	66.8	68.9	68.9
32.5°	543.1	367.8	121.0	74.6	66.8	63.1	61.0	61.6	64.7	67.8	67.8
35°	561.4	371.0	113.2	71.0	63.1	59.5	57.9	59.5	62.6	65.7	65.7
37.5°	579.6	374.6	108.5	67.8	60.0	56.3	55.3	57.4	61.0	64.2	64.7
40°	599.0	377.7	103.3	64.7	57.9	53.7	53.2	55.3	60.0	63.1	63.7
42.5°	623.0	384.0	97.0	62.1	55.8	50.6	51.1	52.7	57.4	62.1	62.6
45°	669.9	403.8	90.8	59.5	53.2	49.0	48.0	49.0	54.3	59.5	60.5
47.5°	758.1	448.7	84.0	56.9	50.6	48.0	43.8	44.9	49.6	55.3	55.8
50°	927.1	544.2	80.3	54.3	48.5	44.3	39.7	39.7	43.3	48.5	48.5
52.5°	1190.6	715.3	82.4	52.2	45.9	40.7	36.0	35.5	37.6	41.2	41.2
55°	1474.9	903.1	90.3	50.1	42.8	38.6	33.4	30.8	32.3	34.4	34.4
57.5°	1700.3	997.6	111.7	49.0	39.1	37.0	30.3	26.6	28.2	30.3	30.3
60°	1799.5	942.3	135.7	50.1	36.5	34.4	27.1	23.5	26.1	28.2	28.7
62.5°	1719.1	775.8	145.6	47.5	32.9	30.8	26.6	21.9	25.0	26.6	27.1
65°	1545.4	589.6	113.7	41.2	30.3	26.6	24.0	20.9	23.5	25.0	25.0
66°	1462.9	513.9	97.0	38.1	29.2	25.0	23.0	20.9	23.0	24.0	24.5
67.5°	1335.1	405.4	72.0	33.4	27.1	23.0	21.4	19.8	21.9	23.0	23.0
70°	1044.0	241.6	43.3	26.1	23.5	20.3	19.3	18.3	19.8	20.3	20.3
72.5°	653.7	114.8	27.7	19.3	19.8	19.3	16.2	17.2	17.7	18.3	18.3
75°	316.7	45.4	18.8	14.1	16.2	18.3	13.0	15.1	15.7	16.7	16.2
77.5°	88.2	21.9	12.0	10.4	14.1	14.1	9.9	12.0	14.1	17.7	16.2
80°	25.6	14.1	7.8	7.8	9.9	9.9	6.8	8.3	9.4	10.4	11.0
82.5°	17.7	9.4	5.2	5.7	5.7	6.3	4.2	4.2	5.2	5.2	5.7
85°	14.1	4.2	3.1	3.7	2.6	3.1	2.1	2.1	2.6	2.1	2.1
87.5°	5.7	2.1	2.1	2.1	1.6	1.6	1.0	0.5	0.5	0.5	0.5
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)