

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: P1210132

Luminaire Tested: **ARCH2-30-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210132
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: ARCH2-30-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 260mA 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: 3268 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

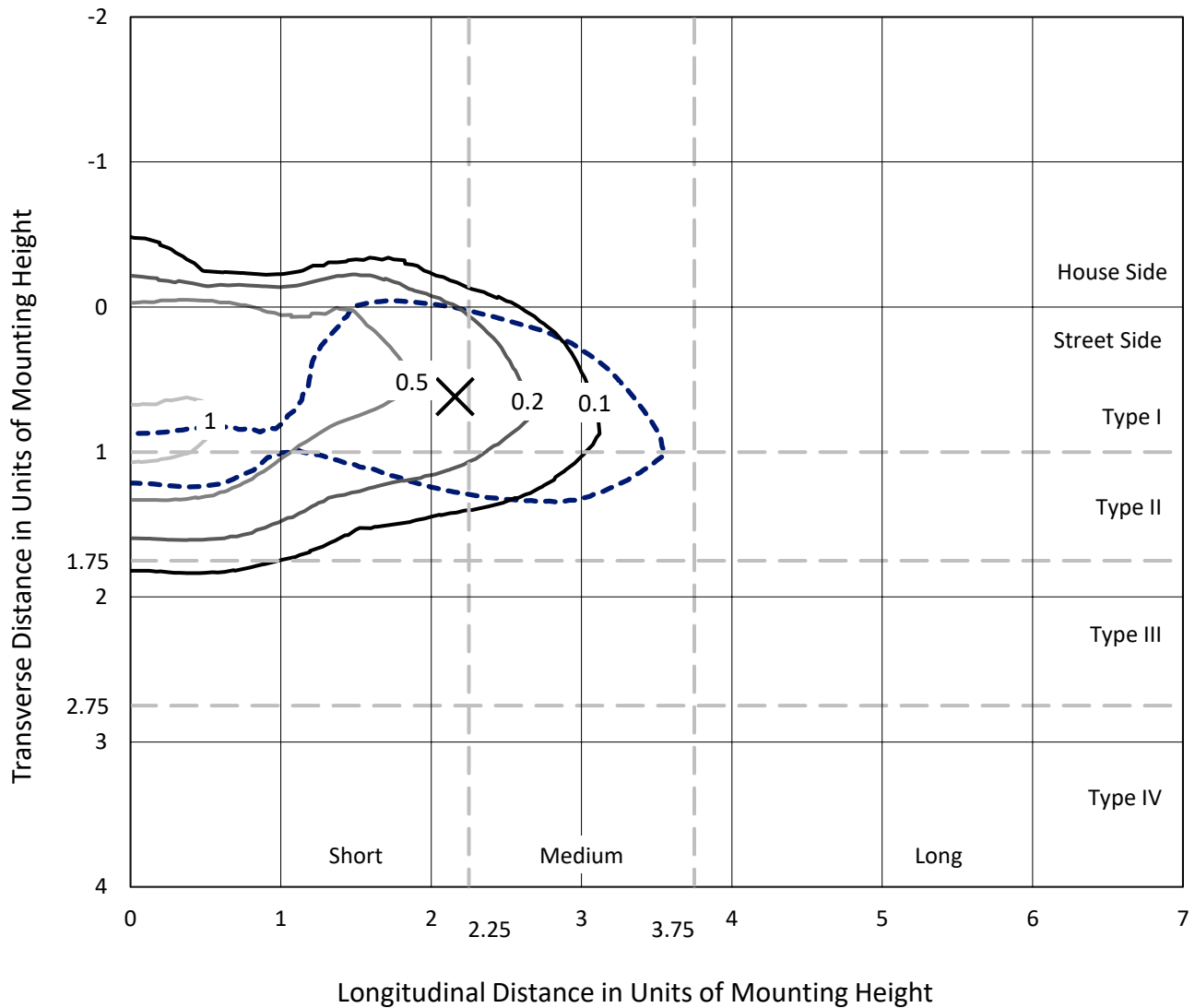
Input Watts (W): 34.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

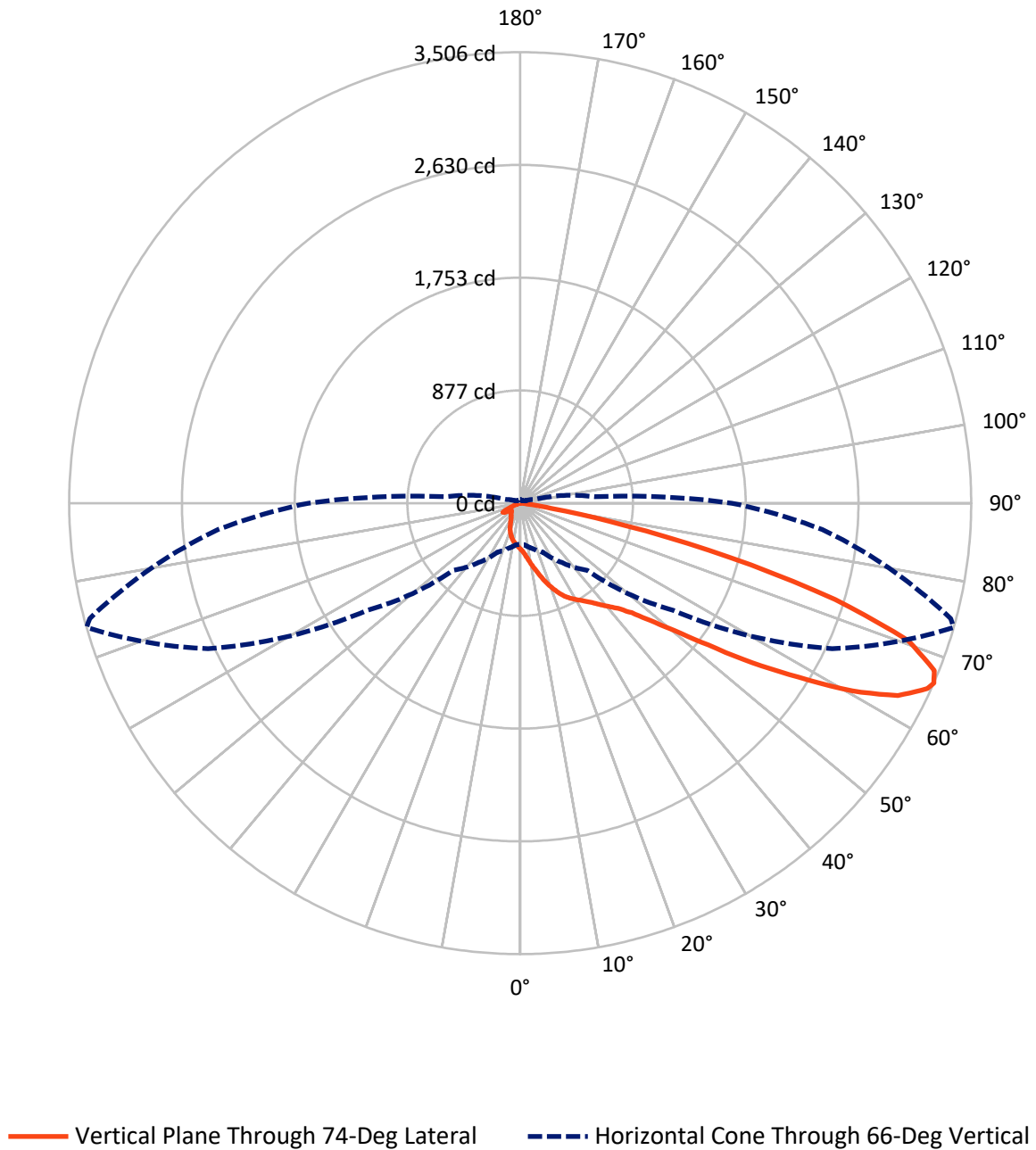
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	320.4	0.0	320.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2947.6	0.0	2947.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	3268.0	0.0	3268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	1.1
10°-20°	111.6	3.4
20°-30°	213.0	6.5
30°-40°	373.4	11.4
40°-50°	640.3	19.6
50°-60°	832.7	25.5
60°-70°	753.8	23.1
70°-80°	290.9	8.9
80°-90°	17.5	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°	3268.0	100.0
0°-180°	3268.0	100.0

Coefficient of Utilization



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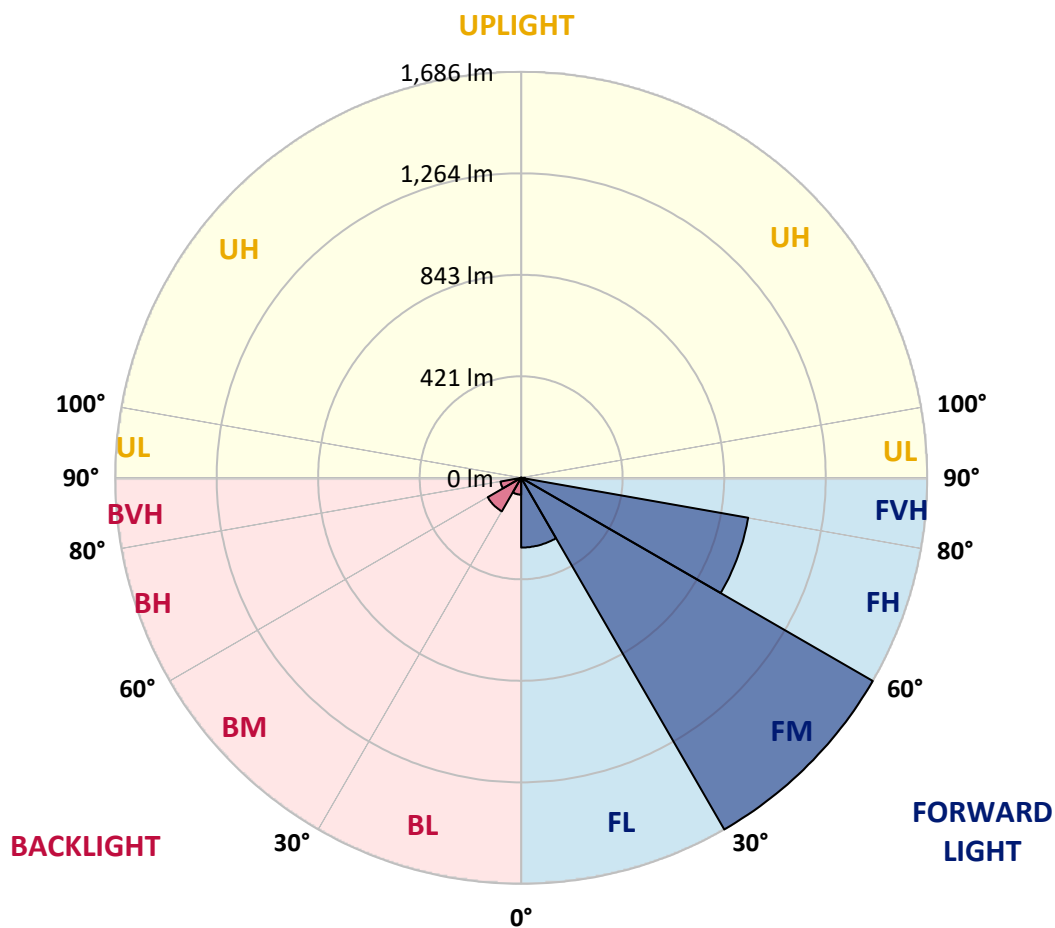
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.6	8.9			
FM	(30°-60°)	1685.8	51.6			
FH	(60°-80°)	957.1	29.3			G1/1800
FVH	(80°-90°)	15.2	0.5			G1/100
BL	(0°-30°)	69.9	2.1	B0/110		
BM	(30°-60°)	160.6	4.9	B0/220		
BH	(60°-80°)	87.6	2.7	B0/110		G0/110
BVH	(80°-90°)	2.3	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°	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7
2.5°	428.3	424.8	418.3	417.8	412.5	406.0	394.9	383.1	374.9	373.7	363.8
5°	512.8	511.0	504.6	500.5	490.5	475.2	449.4	423.6	401.9	399.6	377.3
7.5°	535.1	536.3	537.4	541.5	538.0	531.0	511.6	475.2	441.2	435.9	397.2
10°	538.6	537.4	537.4	542.7	552.7	562.7	560.3	529.2	485.2	478.8	424.8
12.5°	576.8	578.5	574.4	572.1	570.3	575.6	593.2	579.7	531.6	526.3	458.2
15°	626.0	625.5	619.6	619.6	614.3	605.5	616.7	626.6	587.3	580.9	496.4
17.5°	661.8	664.2	663.6	667.1	665.3	653.6	647.7	668.3	644.8	636.6	539.8
20°	690.6	697.0	699.4	710.5	715.8	707.6	692.3	705.2	700.0	692.3	583.8
22.5°	721.1	726.4	730.5	749.8	764.5	762.7	743.4	740.5	753.4	746.3	627.2
25°	751.6	753.9	766.3	789.7	813.2	819.1	799.1	776.2	801.5	795.0	665.9
27.5°	785.0	786.2	800.9	829.6	862.5	874.8	859.0	816.7	838.4	838.4	701.1
30°	846.1	857.8	863.7	889.5	918.2	935.2	916.5	859.6	871.3	876.6	738.1
32.5°	977.5	979.2	977.5	988.6	994.5	1004.5	982.8	907.7	904.7	910.6	774.5
35°	1178.1	1171.1	1152.3	1135.9	1101.9	1083.1	1054.9	969.3	945.8	954.0	810.3
37.5°	1421.6	1411.7	1368.8	1318.4	1245.6	1170.5	1135.3	1044.4	998.0	1008.6	849.0
40°	1654.0	1647.5	1596.5	1534.3	1409.9	1281.4	1206.9	1107.7	1056.1	1060.2	888.3
42.5°	1845.3	1844.1	1801.3	1736.1	1576.5	1401.1	1291.4	1169.9	1117.1	1123.6	929.4
45°	1990.2	1979.0	1947.3	1900.4	1737.9	1525.5	1393.5	1264.4	1215.1	1222.7	991.0
47.5°	1990.2	1991.9	2012.5	2007.8	1850.5	1642.3	1505.0	1383.5	1360.0	1367.1	1092.5
50°	1828.2	1844.7	1936.2	2013.1	1909.2	1733.2	1625.2	1532.5	1556.6	1567.1	1269.7
52.5°	1507.9	1535.5	1694.5	1869.9	1865.8	1779.0	1749.6	1722.0	1830.0	1848.8	1531.4
55°	1145.9	1164.1	1371.2	1601.8	1676.9	1741.4	1858.2	1962.6	2192.0	2187.9	1797.1
57.5°	856.0	873.1	1051.4	1307.2	1406.4	1578.9	1913.9	2237.8	2551.1	2566.9	2046.5
60°	629.6	642.5	794.4	1004.5	1147.6	1330.1	1891.6	2508.8	2964.7	2946.5	2266.5
62.5°	465.9	472.9	582.6	719.3	909.4	1083.7	1751.4	2694.3	3295.1	3258.1	2389.2
65°	360.3	362.6	419.5	492.3	661.2	842.5	1542.5	2722.4	3477.5	3438.2	2386.8
66°	320.9	322.7	364.4	420.7	562.7	737.5	1451.0	2677.2	3506.3	3464.6	2357.5
67.5°	269.3	268.1	292.8	329.7	422.4	569.1	1288.5	2545.2	3472.3	3451.1	2263.6
70°	199.5	200.1	212.4	221.2	247.0	315.1	930.6	2207.9	3200.0	3198.8	2006.0
72.5°	147.9	149.6	159.0	160.8	154.3	170.7	536.3	1756.1	2559.9	2560.5	1499.7
75°	110.9	113.8	116.8	117.9	112.1	108.0	242.3	1181.7	1683.9	1671.6	849.0
77.5°	84.5	85.7	88.0	86.2	85.1	74.5	100.9	576.2	831.4	757.5	275.2
80°	61.6	61.6	64.0	61.6	61.0	53.4	55.2	184.8	244.1	203.0	59.3
82.5°	38.7	38.1	39.9	39.3	38.1	34.0	32.3	51.6	56.3	50.5	28.7
85°	21.7	21.1	20.5	19.9	18.2	15.3	17.6	19.4	25.8	26.4	20.5
87.5°	7.6	7.6	7.0	6.5	5.3	5.3	6.5	6.5	9.4	9.4	10.6
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°	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7
2.5°	359.1	352.6	343.2	330.9	322.1	313.3	303.9	298.6	291.0	289.3	291.6
5°	365.5	353.8	330.3	304.5	282.2	262.3	243.5	232.3	221.2	217.1	218.8
7.5°	379.0	359.1	319.2	277.5	240.6	210.6	188.3	175.4	165.5	161.4	162.5
10°	399.0	368.5	308.6	247.0	199.5	167.8	149.0	140.8	134.9	132.6	133.2
12.5°	423.0	382.0	295.1	216.5	164.3	136.7	127.9	126.1	125.0	123.8	124.4
15°	450.0	393.7	279.3	186.6	136.7	121.5	118.5	117.9	117.3	117.3	117.3
17.5°	478.2	404.3	261.7	158.4	119.1	112.1	110.3	110.3	110.3	110.9	110.9
20°	504.6	412.5	241.1	133.2	109.1	103.3	102.1	102.1	102.7	103.3	103.3
22.5°	530.4	416.0	217.1	115.6	100.9	95.6	93.9	93.9	93.9	94.5	94.5
25°	552.7	416.0	193.0	104.4	93.9	88.6	86.2	85.7	86.2	86.2	86.2
27.5°	571.5	414.2	169.6	96.8	86.8	81.6	79.2	78.6	79.8	80.4	80.4
30°	591.4	411.9	150.8	89.8	81.0	75.7	73.3	73.3	75.1	77.4	77.4
32.5°	610.8	413.6	136.1	83.9	75.1	71.0	68.6	69.2	72.8	76.3	76.3
35°	631.3	417.2	127.3	79.8	71.0	66.9	65.1	66.9	70.4	73.9	73.9
37.5°	651.9	421.3	122.0	76.3	67.5	63.4	62.2	64.5	68.6	72.2	72.8
40°	673.6	424.8	116.2	72.8	65.1	60.4	59.8	62.2	67.5	71.0	71.6
42.5°	700.6	431.8	109.1	69.8	62.8	56.9	57.5	59.3	64.5	69.8	70.4
45°	753.4	454.1	102.1	66.9	59.8	55.2	54.0	55.2	61.0	66.9	68.1
47.5°	852.5	504.6	94.5	64.0	56.9	54.0	49.3	50.5	55.7	62.2	62.8
50°	1042.6	612.0	90.4	61.0	54.6	49.9	44.6	44.6	48.7	54.6	54.6
52.5°	1338.9	804.4	92.7	58.7	51.6	45.8	40.5	39.9	42.2	46.4	46.4
55°	1658.7	1015.6	101.5	56.3	48.1	43.4	37.6	34.6	36.4	38.7	38.7
57.5°	1912.1	1121.8	125.6	55.2	44.0	41.7	34.0	29.9	31.7	34.0	34.0
60°	2023.6	1059.6	152.5	56.3	41.1	38.7	30.5	26.4	29.3	31.7	32.3
62.5°	1933.3	872.5	163.7	53.4	37.0	34.6	29.9	24.6	28.2	29.9	30.5
65°	1737.9	663.0	127.9	46.4	34.0	29.9	27.0	23.5	26.4	28.2	28.2
66°	1645.2	577.9	109.1	42.8	32.9	28.2	25.8	23.5	25.8	27.0	27.6
67.5°	1501.4	455.9	81.0	37.6	30.5	25.8	24.1	22.3	24.6	25.8	25.8
70°	1174.0	271.7	48.7	29.3	26.4	22.9	21.7	20.5	22.3	22.9	22.9
72.5°	735.2	129.1	31.1	21.7	22.3	21.7	18.2	19.4	19.9	20.5	20.5
75°	356.1	51.0	21.1	15.8	18.2	20.5	14.7	17.0	17.6	18.8	18.2
77.5°	99.2	24.6	13.5	11.7	15.8	15.8	11.1	13.5	15.8	19.9	18.2
80°	28.7	15.8	8.8	8.8	11.1	11.1	7.6	9.4	10.6	11.7	12.3
82.5°	19.9	10.6	5.9	6.5	6.5	7.0	4.7	4.7	5.9	5.9	6.5
85°	15.8	4.7	3.5	4.1	2.9	3.5	2.3	2.3	2.9	2.3	2.3
87.5°	6.5	2.3	2.3	2.3	1.8	1.8	1.2	0.6	0.6	0.6	0.6
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)