

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: P1210154

Luminaire Tested: **ARCH2-30-750-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-30-750-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

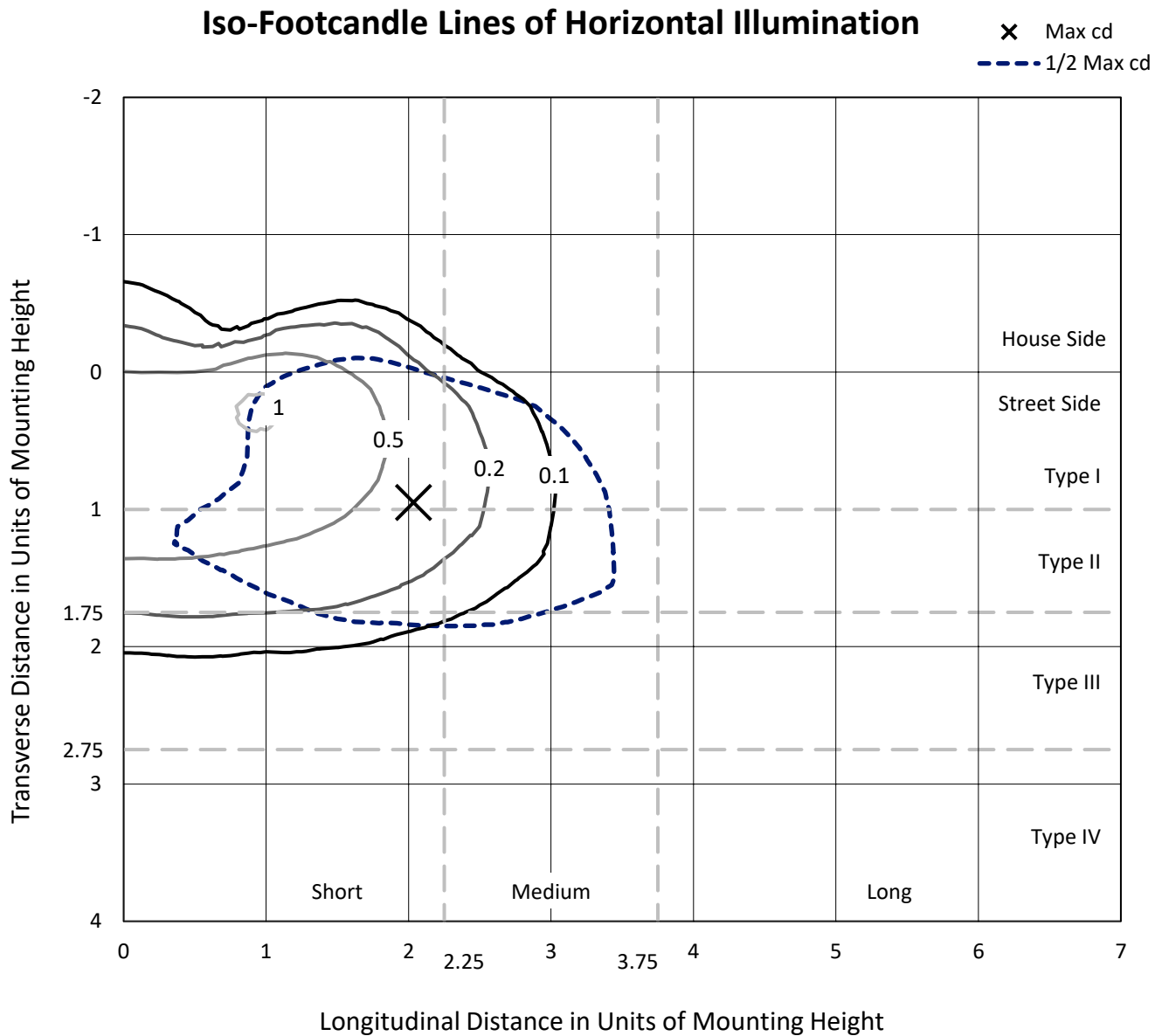
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3854 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - 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



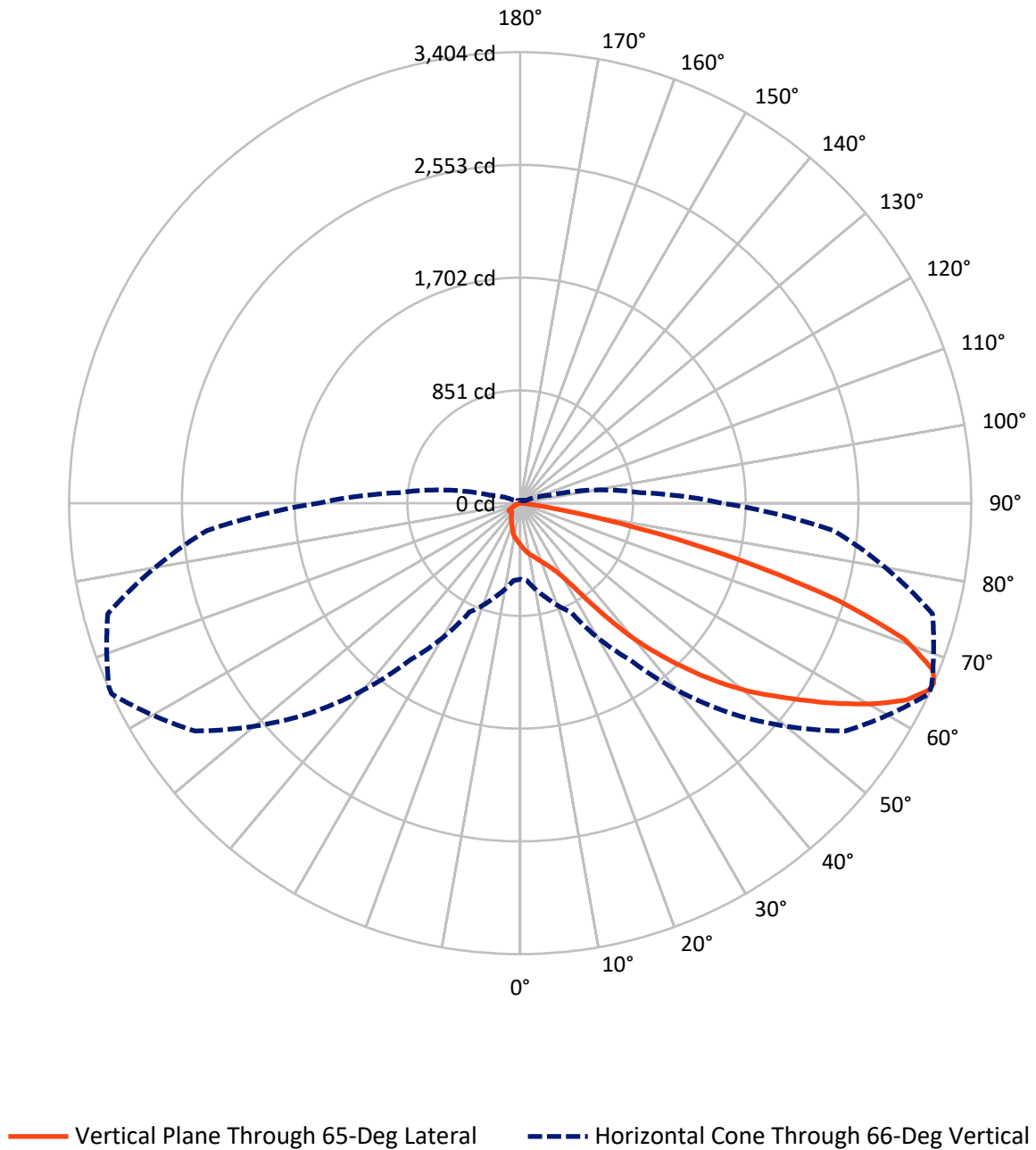
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Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	454.9	0.0	454.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3399.2	0.0	3399.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	3854.0	0.0	3854.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.8
10°-20°	88.1	2.3
20°-30°	161.3	4.2
30°-40°	327.7	8.5
40°-50°	692.1	18.0
50°-60°	1064.0	27.6
60°-70°	1070.9	27.8
70°-80°	400.2	10.4
80°-90°	20.0	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°	3854.0	100.0
0°-180°	3854.0	100.0

Coefficient of Utilization



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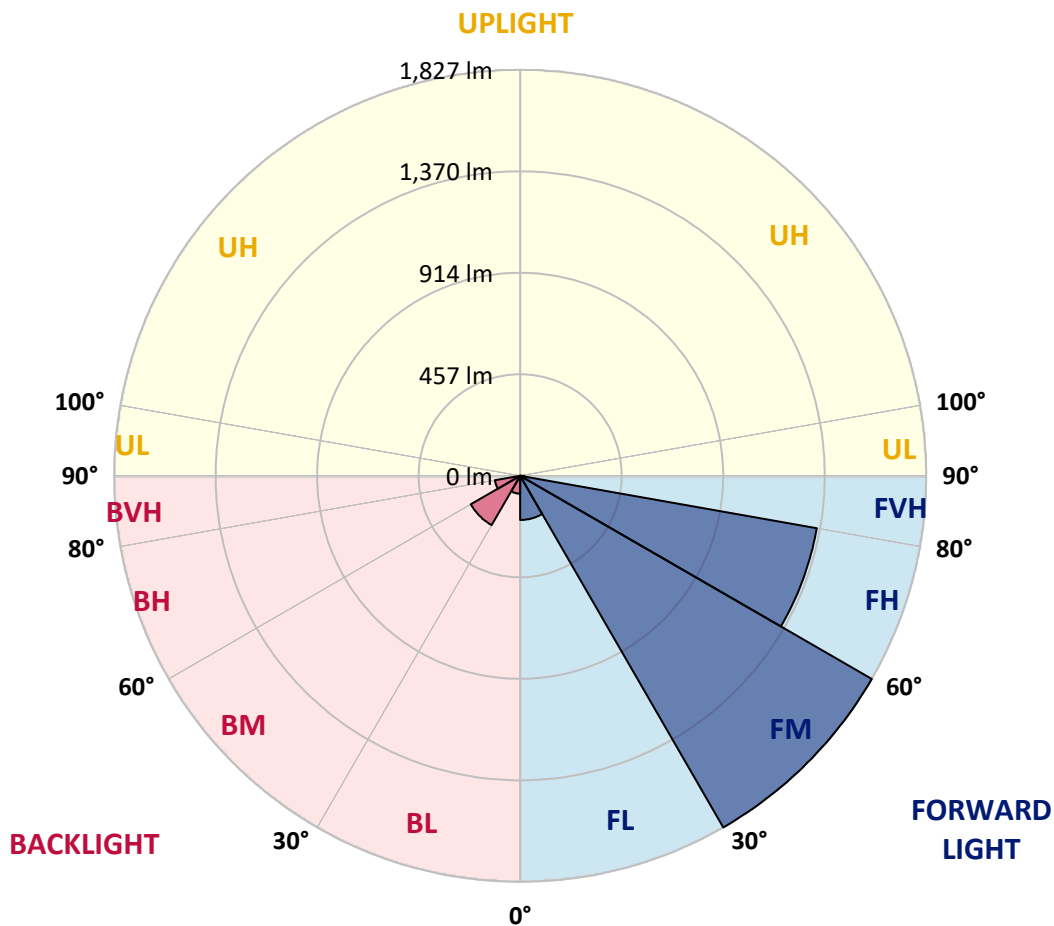
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.7	5.2			
FM	(30°-60°)	1827.3	47.4			
FH	(60°-80°)	1355.5	35.2			G1/1800
FVH	(80°-90°)	17.6	0.5			G1/100
BL	(0°-30°)	80.5	2.1	B0/110		
BM	(30°-60°)	256.5	6.7	B1/1000		
BH	(60°-80°)	115.6	3.0	B1/500		G1/500
BVH	(80°-90°)	2.4	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0
2.5°	358.0	358.7	357.4	354.6	351.8	348.3	342.7	333.6	332.2	325.9	318.9
5°	382.5	383.9	381.8	381.1	379.7	374.8	367.1	353.9	352.5	339.9	323.8
7.5°	390.9	393.0	391.6	391.6	391.6	389.5	386.0	374.1	372.0	356.0	331.5
10°	397.2	398.6	397.9	400.7	402.8	401.4	399.3	392.3	390.2	374.1	342.0
12.5°	407.0	407.7	408.4	409.8	413.3	414.7	414.0	407.7	406.3	395.1	355.3
15°	416.1	416.1	416.8	423.1	428.0	430.8	431.5	426.6	425.2	416.1	372.0
17.5°	424.5	425.2	427.3	434.3	442.7	448.3	451.8	449.7	447.6	440.6	391.6
20°	437.1	438.5	440.6	450.4	458.8	467.8	474.8	474.1	473.4	468.5	414.7
22.5°	458.8	460.1	463.6	472.7	481.1	492.3	504.2	503.5	501.4	497.9	442.0
25°	491.6	491.6	493.7	501.4	511.9	525.2	536.4	538.5	536.4	534.3	476.2
27.5°	532.9	533.6	533.6	542.0	551.8	568.5	582.5	584.6	584.6	582.5	522.4
30°	590.2	588.1	586.7	593.7	604.2	628.7	653.2	657.4	655.3	658.8	587.4
32.5°	688.8	685.3	673.4	674.8	681.1	714.7	756.0	770.6	769.9	776.2	692.3
35°	825.2	818.2	800.7	786.0	785.3	821.7	884.6	939.9	939.2	960.9	851.8
37.5°	979.0	988.1	955.3	930.1	922.4	951.1	1032.2	1151.8	1158.1	1195.8	1060.9
40°	1184.6	1190.2	1148.3	1112.6	1076.2	1086.7	1193.7	1379.7	1390.9	1432.9	1270.0
42.5°	1363.7	1369.3	1344.8	1301.4	1255.3	1235.7	1356.7	1586.7	1595.8	1653.9	1485.3
45°	1485.3	1489.5	1497.9	1502.1	1449.7	1409.1	1556.0	1799.3	1810.5	1877.7	1695.8
47.5°	1580.5	1583.9	1600.7	1642.7	1632.2	1600.0	1758.8	2020.3	2023.1	2097.9	1900.7
50°	1624.5	1632.9	1674.2	1738.5	1784.7	1793.7	1979.1	2229.4	2237.1	2308.4	2094.4
52.5°	1575.6	1578.4	1682.6	1803.5	1896.5	1988.9	2200.0	2423.1	2445.5	2498.7	2268.6
55°	1410.5	1430.8	1588.8	1801.4	1984.7	2174.2	2436.4	2632.2	2652.5	2686.1	2421.7
57.5°	1218.9	1241.3	1433.6	1711.2	2022.4	2345.5	2655.3	2854.6	2868.6	2877.7	2562.3
60°	1053.2	1074.1	1272.1	1538.5	1984.7	2466.5	2858.8	3075.6	3087.5	3063.0	2632.9
62.5°	849.7	870.6	1070.0	1309.8	1836.4	2491.0	3009.9	3272.1	3277.0	3210.6	2589.6
65°	640.6	654.6	821.0	1026.6	1577.0	2360.9	3044.1	3394.5	3389.6	3253.2	2459.5
66°	574.1	586.0	732.9	907.7	1442.0	2242.0	2998.0	3404.3	3399.4	3221.7	2374.2
67.5°	495.1	498.6	619.6	742.7	1206.3	1989.6	2857.4	3359.5	3363.7	3135.0	2218.2
70°	386.7	386.0	456.0	516.8	823.8	1415.4	2383.3	3077.7	3098.0	2807.8	1891.6
72.5°	247.6	239.2	279.7	316.1	479.7	821.7	1737.8	2508.4	2542.7	2205.6	1409.1
75°	147.6	139.2	149.0	158.0	230.1	395.1	1021.7	1707.0	1739.9	1414.0	838.5
77.5°	110.5	107.0	107.7	100.0	102.1	148.3	466.4	902.1	925.9	579.0	318.2
80°	84.6	75.5	70.6	74.1	67.1	58.7	173.4	310.5	325.2	137.1	66.4
82.5°	56.6	49.0	45.5	49.7	42.7	32.9	42.0	60.1	58.7	37.1	25.9
85°	29.4	25.2	25.2	25.2	21.7	16.1	18.2	24.5	24.5	19.6	15.4
87.5°	8.4	7.7	9.1	8.4	6.3	6.3	7.0	8.4	8.4	7.7	7.0
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°	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0
2.5°	313.3	310.5	302.8	297.2	291.6	286.7	281.1	279.7	276.9	277.6	276.2
5°	315.4	307.7	294.4	281.8	272.0	263.6	253.2	249.0	243.4	241.3	239.9
7.5°	318.2	307.0	287.4	269.9	253.2	236.4	219.6	209.8	203.5	200.7	198.6
10°	324.5	309.8	283.9	256.6	228.0	204.2	187.4	180.4	176.2	175.5	174.8
12.5°	332.9	314.0	280.4	239.9	202.1	179.7	169.2	167.1	166.4	166.4	165.7
15°	345.5	321.0	274.8	220.3	181.8	166.4	161.5	158.0	156.6	156.6	156.6
17.5°	358.0	329.4	266.4	200.0	167.8	158.0	153.2	151.1	149.7	150.4	149.7
20°	374.1	339.2	255.3	182.5	158.7	151.1	146.2	144.1	143.4	143.4	143.4
22.5°	392.3	350.4	241.3	169.2	151.1	144.1	139.2	137.1	135.7	136.4	136.4
25°	416.8	364.3	226.6	155.9	143.4	137.1	131.5	128.7	128.7	129.4	130.1
27.5°	448.3	381.1	211.9	147.6	136.4	130.1	123.8	121.0	121.7	123.1	123.1
30°	494.4	404.2	197.2	138.5	128.7	121.7	116.1	113.3	114.7	117.5	117.5
32.5°	560.2	442.0	184.6	128.0	117.5	109.8	104.2	102.1	105.6	111.2	111.2
35°	677.6	511.2	176.9	117.5	105.6	96.5	89.5	87.4	92.3	99.3	99.3
37.5°	835.0	622.4	179.7	108.4	95.8	85.3	77.6	74.8	78.3	84.6	86.7
40°	1010.5	756.7	204.2	100.7	86.7	76.2	68.5	65.7	67.8	70.6	71.3
42.5°	1186.0	899.3	250.4	95.1	79.7	68.5	61.5	59.4	60.8	61.5	62.2
45°	1360.9	1040.6	308.4	91.6	73.4	62.2	55.2	55.2	55.9	55.9	55.9
47.5°	1526.6	1178.3	369.2	90.9	67.8	55.9	50.4	51.1	51.1	51.7	51.7
50°	1683.3	1301.4	430.8	93.0	62.9	50.4	46.2	46.2	46.2	46.9	46.2
52.5°	1814.0	1409.1	495.1	96.5	58.0	46.2	42.0	42.0	42.0	42.7	42.0
55°	1937.8	1507.0	560.9	101.4	53.8	42.7	38.5	37.1	37.1	37.8	37.1
57.5°	2038.5	1572.1	623.1	102.1	50.4	39.2	35.7	33.6	33.6	33.6	33.6
60°	2042.7	1534.3	641.3	89.5	46.2	35.7	32.2	29.4	30.1	30.1	30.1
62.5°	1909.1	1335.7	515.4	67.1	41.3	32.2	29.4	26.6	26.6	26.6	26.6
65°	1646.9	1039.2	302.1	53.1	35.7	28.7	25.9	23.8	23.8	23.8	23.1
66°	1523.8	911.2	231.5	48.3	33.6	28.0	25.2	23.1	22.4	21.7	21.7
67.5°	1323.1	720.3	144.8	42.7	30.8	25.9	23.1	21.0	20.3	19.6	19.6
70°	996.5	457.4	70.6	32.9	26.6	22.4	20.3	18.2	17.5	16.8	16.1
72.5°	699.3	267.8	37.1	25.2	21.7	19.6	17.5	15.4	14.7	14.0	14.0
75°	395.1	129.4	24.5	18.2	17.5	16.1	14.7	12.6	11.9	11.9	11.9
77.5°	149.7	44.8	16.8	13.3	14.0	12.6	10.5	10.5	9.8	10.5	9.8
80°	39.2	19.6	10.5	9.8	10.5	9.1	7.7	8.4	8.4	8.4	8.4
82.5°	21.0	11.2	6.3	7.0	6.3	6.3	4.9	5.6	6.3	5.6	6.3
85°	14.7	5.6	3.5	3.5	2.8	2.8	2.1	2.8	3.5	2.8	2.8
87.5°	7.7	2.1	2.1	2.1	2.1	1.4	0.7	0.0	0.7	0.7	0.7
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)