

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: P1210140

Luminaire Tested: **ARCH2-30-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210140
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: ARCH2-30-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

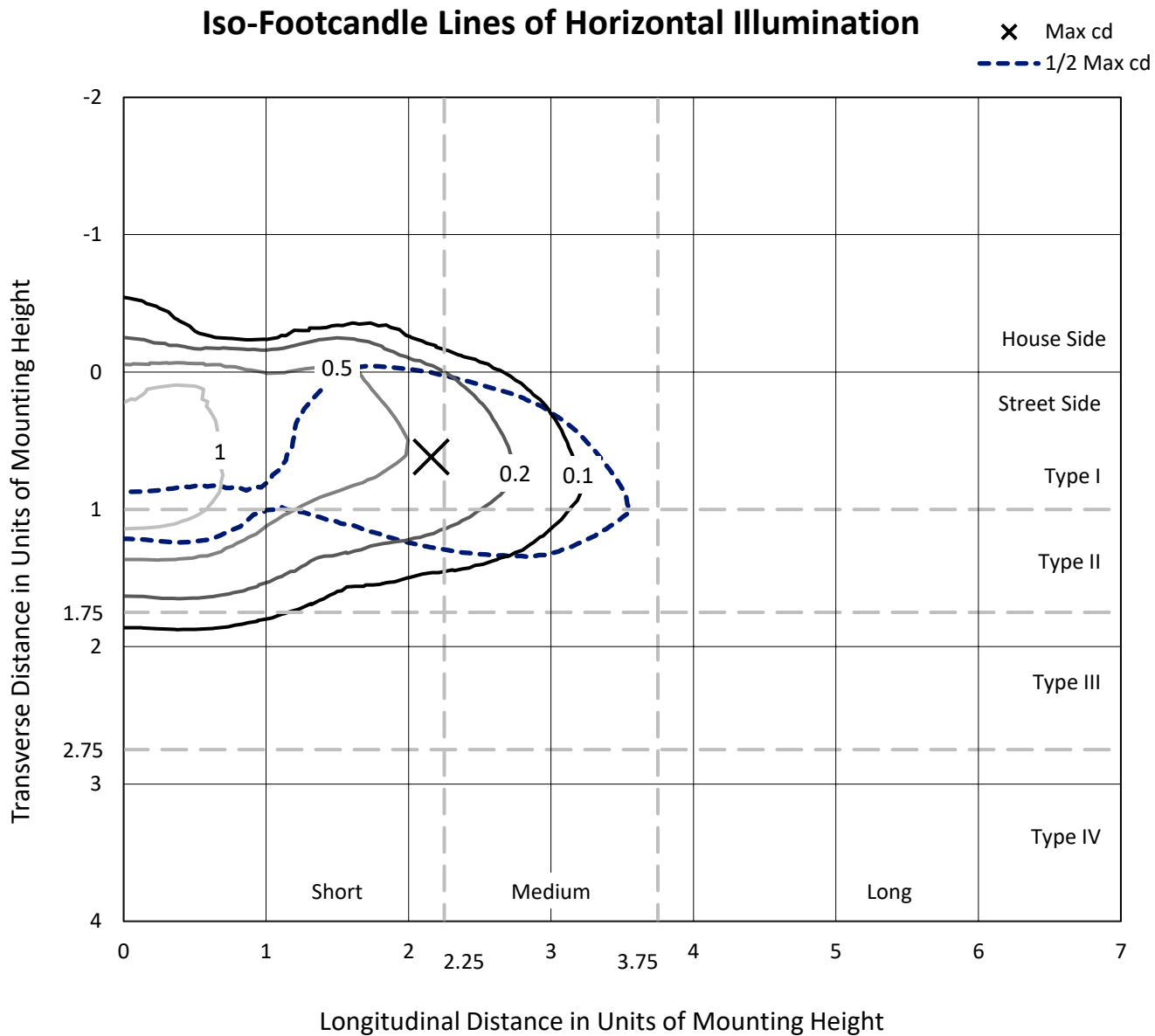
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3735 lumens
Efficiency: N/A
Efficacy: 108.6 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

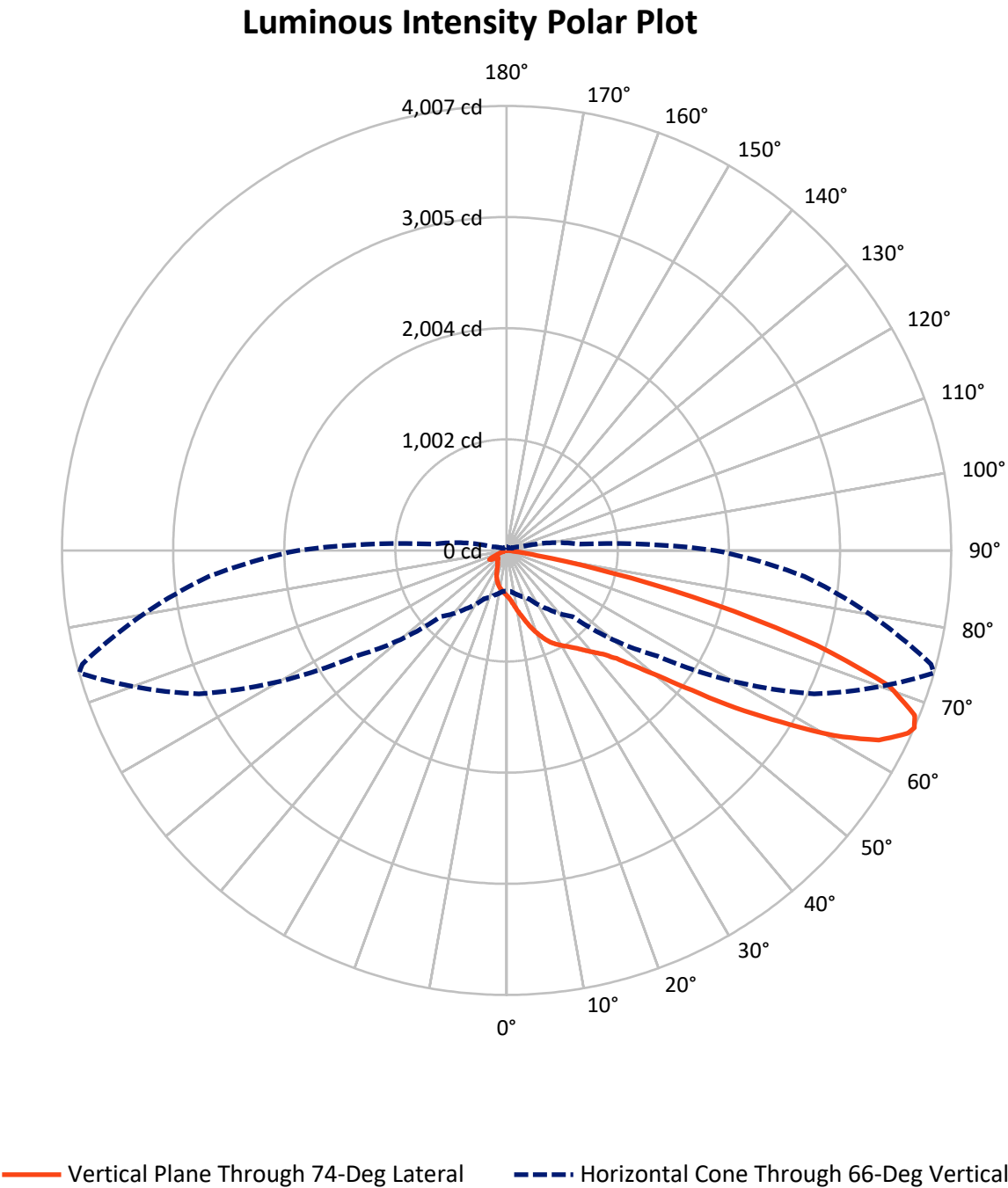


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Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	366.2	0.0	366.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	3368.8	0.0	3368.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	3735.0	0.0	3735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	1.1
10°-20°	127.6	3.4
20°-30°	243.5	6.5
30°-40°	426.7	11.4
40°-50°	731.8	19.6
50°-60°	951.7	25.5
60°-70°	861.5	23.1
70°-80°	332.4	8.9
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°	3735.0	100.0
0°-180°	3735.0	100.0

Coefficient of Utilization



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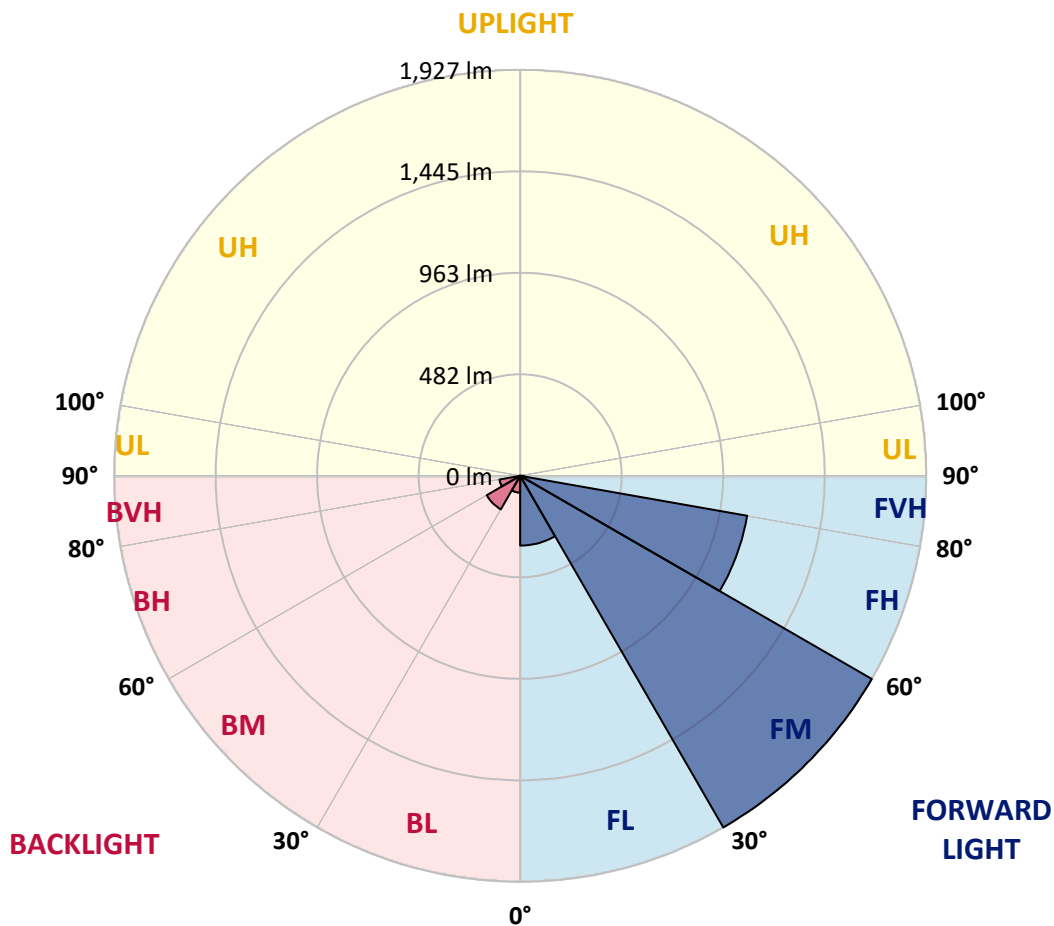
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.0	8.9			
FM	(30°-60°)	1926.7	51.6			
FH	(60°-80°)	1093.9	29.3			G1/1800
FVH	(80°-90°)	17.3	0.5			G1/100
BL	(0°-30°)	79.9	2.1	B0/110		
BM	(30°-60°)	183.5	4.9	B0/220		
BH	(60°-80°)	100.1	2.7	B0/110		G0/110
BVH	(80°-90°)	2.7	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°	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7
2.5°	489.5	485.5	478.1	477.4	471.4	464.0	451.3	437.9	428.5	427.2	415.8
5°	586.1	584.1	576.7	572.0	560.6	543.2	513.7	484.2	459.3	456.7	431.2
7.5°	611.6	612.9	614.2	618.9	614.9	606.9	584.7	543.2	504.3	498.2	454.0
10°	615.6	614.2	614.2	620.3	631.7	643.1	640.4	604.9	554.6	547.2	485.5
12.5°	659.2	661.2	656.5	653.8	651.8	657.8	677.9	662.5	607.5	601.5	523.7
15°	715.5	714.8	708.1	708.1	702.1	692.0	704.8	716.2	671.2	663.9	567.3
17.5°	756.4	759.1	758.4	762.4	760.4	747.0	740.3	763.8	737.0	727.6	616.9
20°	789.3	796.6	799.3	812.1	818.1	808.7	791.3	806.0	800.0	791.3	667.2
22.5°	824.1	830.2	834.9	857.0	873.8	871.7	849.6	846.3	861.0	853.0	716.8
25°	859.0	861.7	875.8	902.6	929.4	936.1	913.3	887.2	916.0	908.6	761.1
27.5°	897.2	898.6	915.3	948.2	985.7	999.8	981.7	933.4	958.2	958.2	801.3
30°	967.0	980.4	987.1	1016.6	1049.4	1068.9	1047.4	982.4	995.8	1001.8	843.6
32.5°	1117.2	1119.2	1117.2	1129.9	1136.6	1148.0	1123.2	1037.4	1034.0	1040.7	885.2
35°	1346.5	1338.5	1317.0	1298.2	1259.3	1237.9	1205.7	1107.8	1081.0	1090.3	926.1
37.5°	1624.8	1613.4	1564.4	1506.8	1423.6	1337.8	1297.6	1193.6	1140.6	1152.7	970.3
40°	1890.3	1883.0	1824.6	1753.5	1611.4	1464.5	1379.4	1266.0	1207.0	1211.7	1015.2
42.5°	2108.9	2107.6	2058.7	1984.2	1801.8	1601.3	1475.9	1337.1	1276.8	1284.1	1062.2
45°	2274.6	2261.8	2225.6	2172.0	1986.2	1743.5	1592.6	1445.1	1388.8	1397.5	1132.6
47.5°	2274.6	2276.6	2300.1	2294.7	2115.0	1876.9	1720.0	1581.2	1554.4	1562.4	1248.6
50°	2089.5	2108.3	2212.9	2300.7	2182.0	1980.9	1857.5	1751.5	1779.0	1791.1	1451.1
52.5°	1723.4	1754.9	1936.6	2137.1	2132.4	2033.2	1999.6	1968.1	2091.5	2113.0	1750.2
55°	1309.6	1330.4	1567.1	1830.7	1916.5	1990.3	2123.7	2243.1	2505.3	2500.6	2054.0
57.5°	978.4	997.8	1201.7	1494.0	1607.4	1804.5	2187.4	2557.6	2915.6	2933.8	2339.0
60°	719.5	734.3	908.0	1148.0	1311.6	1520.2	2161.9	2867.4	3388.4	3367.6	2590.4
62.5°	532.4	540.5	665.9	822.1	1039.4	1238.5	2001.7	3079.3	3765.9	3723.7	2730.6
65°	411.7	414.4	479.5	562.6	755.7	962.9	1762.9	3111.5	3974.5	3929.5	2727.9
66°	366.8	368.8	416.4	480.8	643.1	842.9	1658.3	3059.8	4007.3	3959.7	2694.4
67.5°	307.8	306.5	334.6	376.9	482.8	650.5	1472.6	2908.9	3968.4	3944.3	2587.1
70°	228.0	228.7	242.7	252.8	282.3	360.1	1063.5	2523.4	3657.3	3656.0	2292.7
72.5°	169.0	171.0	181.7	183.7	176.4	195.1	612.9	2007.0	2925.7	2926.4	1714.0
75°	126.7	130.1	133.4	134.8	128.1	123.4	276.9	1350.5	1924.5	1910.5	970.3
77.5°	96.6	97.9	100.6	98.6	97.2	85.2	115.3	658.5	950.2	865.7	314.5
80°	70.4	70.4	73.1	70.4	69.7	61.0	63.0	211.2	279.0	232.0	67.7
82.5°	44.3	43.6	45.6	44.9	43.6	38.9	36.9	59.0	64.4	57.7	32.9
85°	24.8	24.1	23.5	22.8	20.8	17.4	20.1	22.1	29.5	30.2	23.5
87.5°	8.7	8.7	8.0	7.4	6.0	6.0	7.4	7.4	10.7	10.7	12.1
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°	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7
2.5°	410.4	403.0	392.3	378.2	368.1	358.1	347.4	341.3	332.6	330.6	333.3
5°	417.8	404.4	377.5	348.0	322.5	299.7	278.3	265.5	252.8	248.1	250.1
7.5°	433.2	410.4	364.8	317.2	274.9	240.7	215.3	200.5	189.1	184.4	185.7
10°	456.0	421.1	352.7	282.3	228.0	191.8	170.3	160.9	154.2	151.5	152.2
12.5°	483.5	436.5	337.3	247.4	187.8	156.2	146.2	144.2	142.8	141.5	142.2
15°	514.3	450.0	319.2	213.2	156.2	138.8	135.5	134.8	134.1	134.1	134.1
17.5°	546.5	462.0	299.1	181.1	136.1	128.1	126.1	126.1	126.1	126.7	126.7
20°	576.7	471.4	275.6	152.2	124.7	118.0	116.7	116.7	117.4	118.0	118.0
22.5°	606.2	475.4	248.1	132.1	115.3	109.3	107.3	107.3	107.3	108.0	108.0
25°	631.7	475.4	220.6	119.4	107.3	101.3	98.6	97.9	98.6	98.6	98.6
27.5°	653.1	473.4	193.8	110.6	99.2	93.2	90.5	89.9	91.2	91.9	91.9
30°	675.9	470.7	172.3	102.6	92.5	86.5	83.8	83.8	85.8	88.5	88.5
32.5°	698.1	472.8	155.6	95.9	85.8	81.1	78.5	79.1	83.2	87.2	87.2
35°	721.5	476.8	145.5	91.2	81.1	76.4	74.4	76.4	80.5	84.5	84.5
37.5°	745.0	481.5	139.5	87.2	77.1	72.4	71.1	73.8	78.5	82.5	83.2
40°	769.8	485.5	132.8	83.2	74.4	69.1	68.4	71.1	77.1	81.1	81.8
42.5°	800.7	493.5	124.7	79.8	71.8	65.0	65.7	67.7	73.8	79.8	80.5
45°	861.0	519.0	116.7	76.4	68.4	63.0	61.7	63.0	69.7	76.4	77.8
47.5°	974.3	576.7	108.0	73.1	65.0	61.7	56.3	57.7	63.7	71.1	71.8
50°	1191.6	699.4	103.3	69.7	62.4	57.0	51.0	51.0	55.7	62.4	62.4
52.5°	1530.2	919.4	106.0	67.1	59.0	52.3	46.3	45.6	48.3	53.0	53.0
55°	1895.7	1160.8	116.0	64.4	55.0	49.6	42.9	39.6	41.6	44.3	44.3
57.5°	2185.4	1282.1	143.5	63.0	50.3	47.6	38.9	34.2	36.2	38.9	38.9
60°	2312.8	1211.1	174.3	64.4	46.9	44.3	34.9	30.2	33.5	36.2	36.9
62.5°	2209.5	997.1	187.1	61.0	42.2	39.6	34.2	28.2	32.2	34.2	34.9
65°	1986.2	757.7	146.2	53.0	38.9	34.2	30.8	26.8	30.2	32.2	32.2
66°	1880.3	660.5	124.7	49.0	37.6	32.2	29.5	26.8	29.5	30.8	31.5
67.5°	1716.0	521.0	92.5	42.9	34.9	29.5	27.5	25.5	28.2	29.5	29.5
70°	1341.8	310.5	55.7	33.5	30.2	26.2	24.8	23.5	25.5	26.2	26.2
72.5°	840.2	147.5	35.5	24.8	25.5	24.8	20.8	22.1	22.8	23.5	23.5
75°	407.0	58.3	24.1	18.1	20.8	23.5	16.8	19.4	20.1	21.5	20.8
77.5°	113.3	28.2	15.4	13.4	18.1	18.1	12.7	15.4	18.1	22.8	20.8
80°	32.9	18.1	10.1	10.1	12.7	12.7	8.7	10.7	12.1	13.4	14.1
82.5°	22.8	12.1	6.7	7.4	7.4	8.0	5.4	5.4	6.7	6.7	7.4
85°	18.1	5.4	4.0	4.7	3.4	4.0	2.7	2.7	3.4	2.7	2.7
87.5°	7.4	2.7	2.7	2.7	2.0	2.0	1.3	0.7	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)