

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: P1210046

Luminaire Tested: **ARCH1-60-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210046
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: ARCH1-60-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

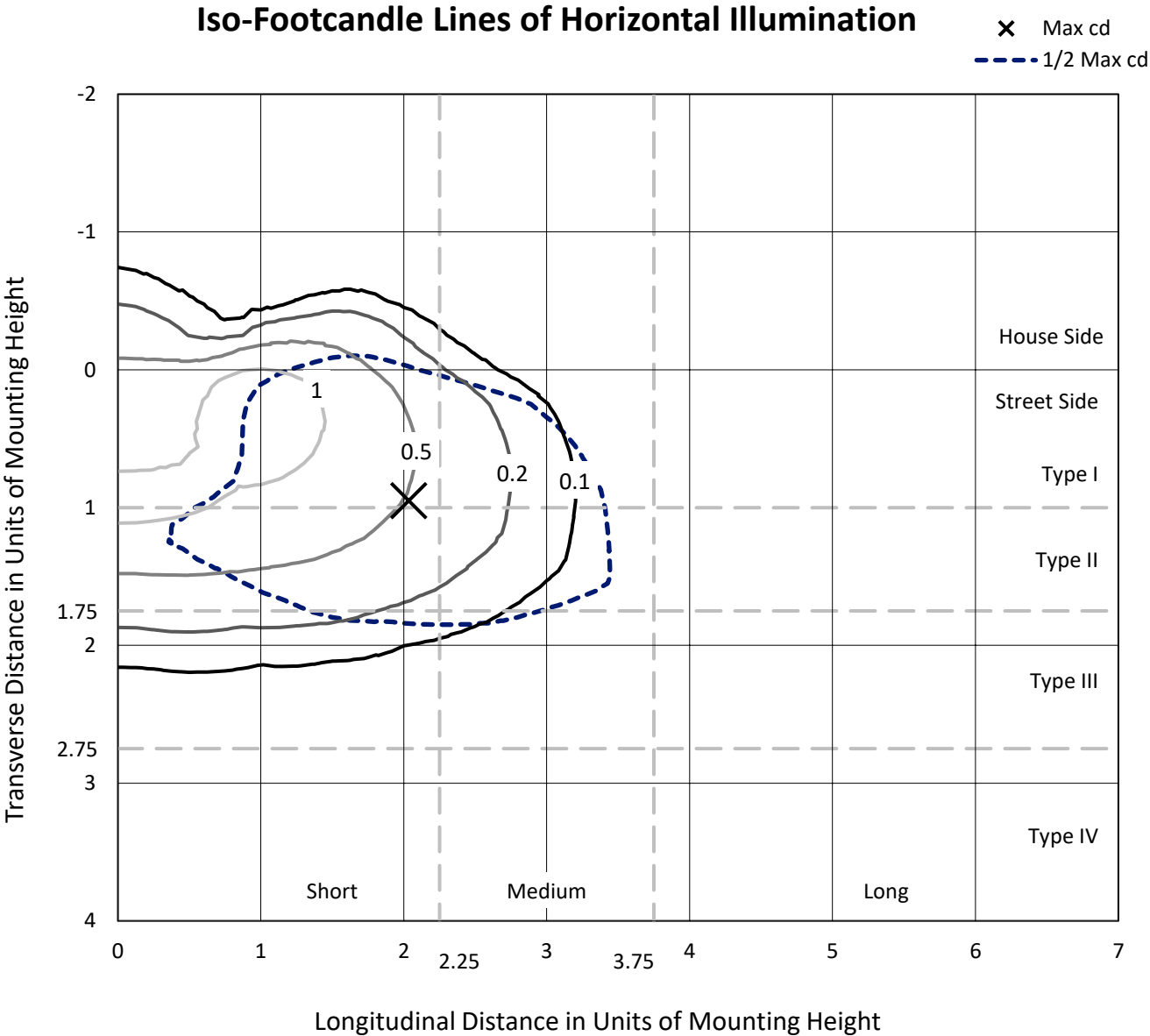
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5086 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 60
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



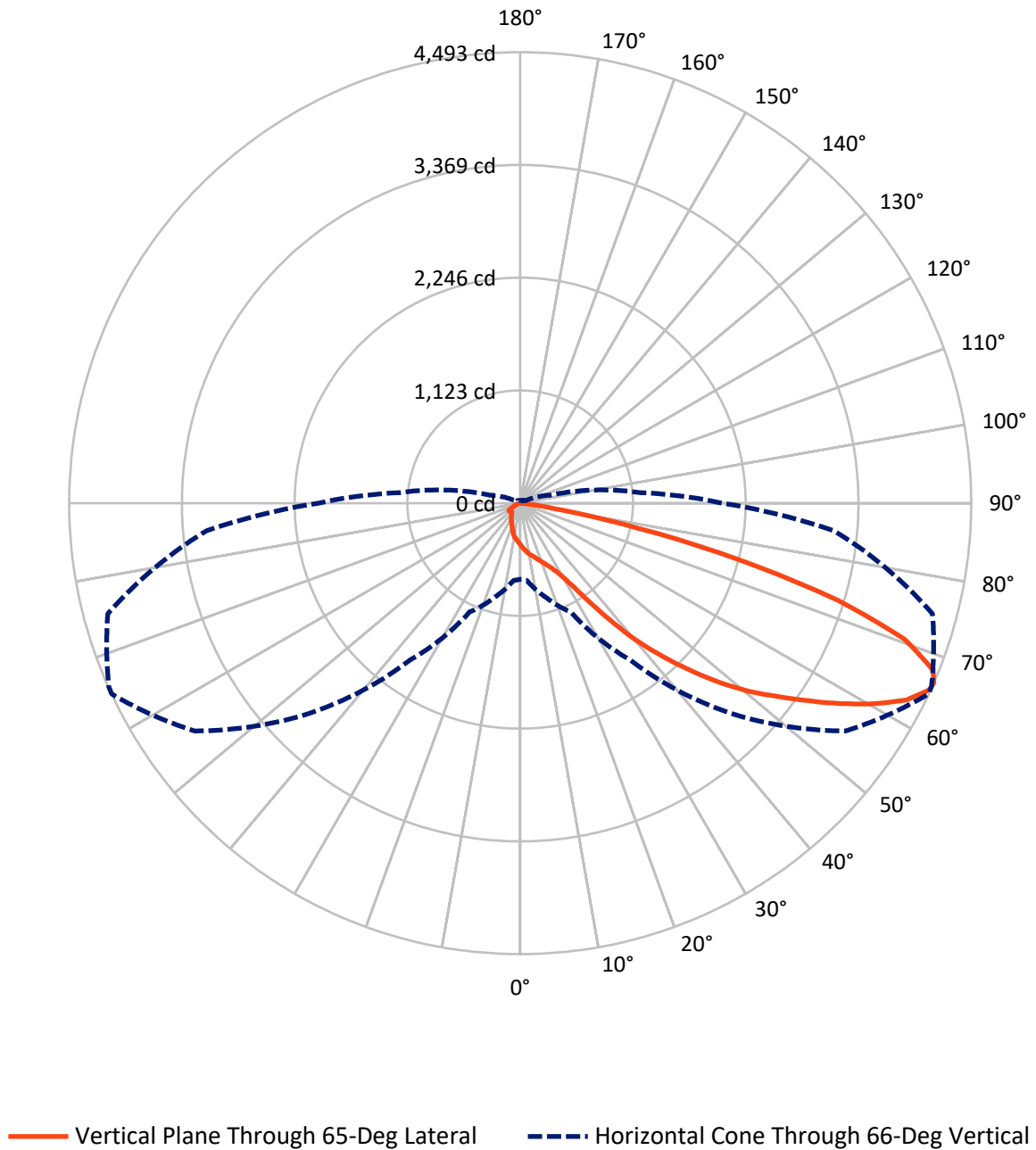
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Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	600.3	0.0	600.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4485.7	0.0	4485.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	5086.0	0.0	5086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	0.8
10°-20°	116.3	2.3
20°-30°	212.8	4.2
30°-40°	432.5	8.5
40°-50°	913.3	18.0
50°-60°	1404.1	27.6
60°-70°	1413.3	27.8
70°-80°	528.1	10.4
80°-90°	26.4	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°	5086.0	100.0
0°-180°	5086.0	100.0

Coefficient of Utilization



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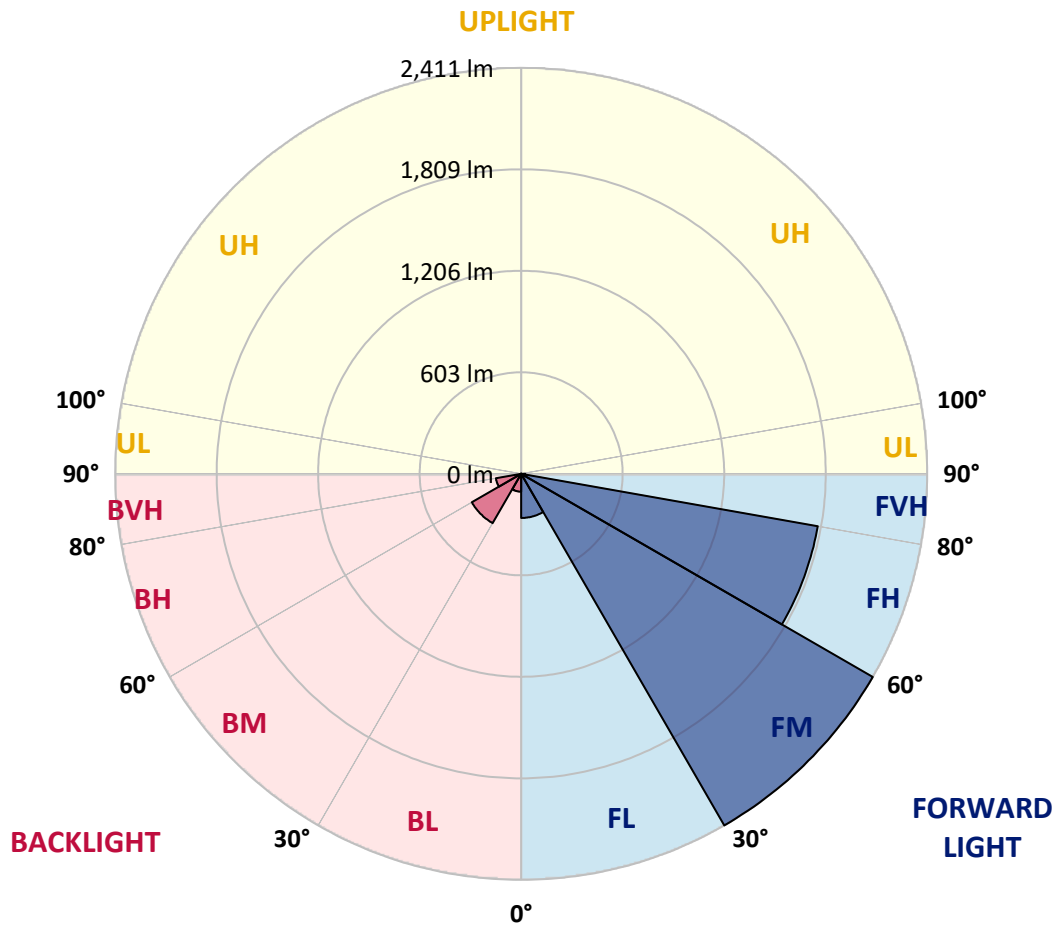
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	262.2	5.2			
FM	(30°-60°)	2411.4	47.4			
FH	(60°-80°)	1788.9	35.2			G1/1800
FVH	(80°-90°)	23.3	0.5			G1/100
BL	(0°-30°)	106.2	2.1	B0/110		
BM	(30°-60°)	338.4	6.7	B1/1000		
BH	(60°-80°)	152.5	3.0	B1/500		G1/500
BVH	(80°-90°)	3.1	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4
2.5°	472.5	473.4	471.6	467.9	464.2	459.6	452.2	440.2	438.4	430.1	420.8
5°	504.8	506.7	503.9	503.0	501.1	494.7	484.5	467.0	465.1	448.5	427.3
7.5°	515.9	518.6	516.8	516.8	516.8	514.0	509.4	493.7	491.0	469.7	437.4
10°	524.2	526.0	525.1	528.8	531.6	529.7	527.0	517.7	515.0	493.7	451.3
12.5°	537.1	538.0	539.0	540.8	545.4	547.3	546.3	538.0	536.2	521.4	468.8
15°	549.1	549.1	550.0	558.3	564.8	568.5	569.4	562.9	561.1	549.1	491.0
17.5°	560.2	561.1	563.9	573.1	584.2	591.6	596.2	593.4	590.6	581.4	516.8
20°	576.8	578.6	581.4	594.3	605.4	617.4	626.6	625.7	624.8	618.3	547.3
22.5°	605.4	607.2	611.9	623.9	634.9	649.7	665.4	664.5	661.7	657.1	583.3
25°	648.8	648.8	651.5	661.7	675.5	693.1	707.8	710.6	707.8	705.1	628.5
27.5°	703.2	704.1	704.1	715.2	728.1	750.3	768.7	771.5	771.5	768.7	689.4
30°	778.9	776.1	774.3	783.5	797.4	829.7	862.0	867.5	864.7	869.3	775.2
32.5°	909.0	904.4	888.7	890.6	898.9	943.2	997.6	1017.0	1016.1	1024.4	913.6
35°	1089.0	1079.8	1056.7	1037.3	1036.4	1084.4	1167.4	1240.3	1239.4	1268.0	1124.0
37.5°	1292.0	1304.0	1260.6	1227.4	1217.3	1255.1	1362.1	1520.0	1528.3	1578.1	1400.0
40°	1563.3	1570.7	1515.3	1468.3	1420.3	1434.1	1575.3	1820.8	1835.6	1890.9	1675.9
42.5°	1799.6	1807.0	1774.7	1717.4	1656.5	1630.7	1790.4	2094.0	2106.0	2182.6	1960.2
45°	1960.2	1965.7	1976.8	1982.3	1913.1	1859.6	2053.4	2374.5	2389.3	2477.9	2237.9
47.5°	2085.7	2090.3	2112.4	2167.8	2154.0	2111.5	2321.0	2666.2	2669.8	2768.6	2508.3
50°	2143.8	2154.9	2209.3	2294.2	2355.1	2367.1	2611.7	2942.1	2952.2	3046.4	2764.0
52.5°	2079.2	2082.9	2220.4	2380.1	2502.8	2624.6	2903.3	3197.7	3227.3	3297.4	2993.8
55°	1861.4	1888.2	2096.7	2377.3	2619.1	2869.2	3215.3	3473.7	3500.4	3544.7	3195.9
57.5°	1608.6	1638.1	1891.9	2258.2	2668.9	3095.3	3504.1	3767.1	3785.6	3797.6	3381.4
60°	1389.8	1417.5	1678.7	2030.3	2619.1	3254.9	3772.7	4058.8	4074.4	4042.1	3474.6
62.5°	1121.3	1149.0	1412.0	1728.5	2423.4	3287.2	3972.0	4318.1	4324.5	4236.9	3417.4
65°	845.3	863.8	1083.4	1354.8	2081.1	3115.6	4017.2	4479.6	4473.1	4293.2	3245.7
66°	757.7	773.4	967.2	1197.9	1902.9	2958.7	3956.3	4492.5	4486.0	4251.6	3133.1
67.5°	653.4	658.0	817.7	980.1	1591.9	2625.5	3770.8	4433.4	4439.0	4137.2	2927.3
70°	510.3	509.4	601.7	682.0	1087.1	1867.9	3145.1	4061.5	4088.3	3705.3	2496.3
72.5°	326.7	315.6	369.1	417.1	633.1	1084.4	2293.3	3310.3	3355.5	2910.7	1859.6
75°	194.7	183.6	196.6	208.6	303.6	521.4	1348.3	2252.7	2296.1	1866.0	1106.5
77.5°	145.8	141.2	142.1	132.0	134.7	195.6	615.6	1190.5	1221.9	764.1	419.9
80°	111.7	99.7	93.2	97.8	88.6	77.5	228.9	409.8	429.1	180.9	87.7
82.5°	74.8	64.6	60.0	65.5	56.3	43.4	55.4	79.4	77.5	48.9	34.1
85°	38.8	33.2	33.2	33.2	28.6	21.2	24.0	32.3	32.3	25.8	20.3
87.5°	11.1	10.2	12.0	11.1	8.3	8.3	9.2	11.1	11.1	10.2	9.2
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°	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4	414.4
2.5°	413.4	409.8	399.6	392.2	384.8	378.4	371.0	369.1	365.5	366.4	364.5
5°	416.2	406.1	388.5	371.9	359.0	347.9	334.1	328.5	321.2	318.4	316.5
7.5°	419.9	405.1	379.3	356.2	334.1	311.9	289.8	276.9	268.6	264.9	262.1
10°	428.2	408.8	374.7	338.7	300.9	269.5	247.3	238.1	232.6	231.6	230.7
12.5°	439.3	414.4	370.1	316.5	266.7	237.2	223.3	220.6	219.6	219.6	218.7
15°	455.9	423.6	362.7	290.7	239.9	219.6	213.2	208.6	206.7	206.7	206.7
17.5°	472.5	434.7	351.6	263.9	221.5	208.6	202.1	199.3	197.5	198.4	197.5
20°	493.7	447.6	336.8	240.9	209.5	199.3	192.9	190.1	189.2	189.2	189.2
22.5°	517.7	462.4	318.4	223.3	199.3	190.1	183.6	180.9	179.0	180.0	180.0
25°	550.0	480.8	299.0	205.8	189.2	180.9	173.5	169.8	169.8	170.7	171.7
27.5°	591.6	503.0	279.6	194.7	180.0	171.7	163.3	159.7	160.6	162.4	162.4
30°	652.5	533.4	260.2	182.7	169.8	160.6	153.2	149.5	151.3	155.0	155.0
32.5°	739.2	583.3	243.6	168.9	155.0	144.9	137.5	134.7	139.4	146.7	146.7
35°	894.3	674.6	233.5	155.0	139.4	127.4	118.1	115.4	121.8	131.0	131.0
37.5°	1101.9	821.3	237.2	143.0	126.4	112.6	102.4	98.7	103.4	111.7	114.4
40°	1333.5	998.5	269.5	132.9	114.4	100.6	90.4	86.7	89.5	93.2	94.1
42.5°	1565.2	1186.8	330.4	125.5	105.2	90.4	81.2	78.4	80.3	81.2	82.1
45°	1795.9	1373.2	407.0	120.9	96.9	82.1	72.9	72.9	73.8	73.8	73.8
47.5°	2014.6	1555.0	487.3	120.0	89.5	73.8	66.4	67.4	67.4	68.3	68.3
50°	2221.3	1717.4	568.5	122.7	83.1	66.4	60.9	60.9	60.9	61.8	60.9
52.5°	2393.9	1859.6	653.4	127.4	76.6	60.9	55.4	55.4	55.4	56.3	55.4
55°	2557.3	1988.8	740.1	133.8	71.1	56.3	50.8	48.9	48.9	49.8	48.9
57.5°	2690.1	2074.6	822.3	134.7	66.4	51.7	47.1	44.3	44.3	44.3	44.3
60°	2695.7	2024.8	846.3	118.1	60.9	47.1	42.5	38.8	39.7	39.7	39.7
62.5°	2519.4	1762.7	680.2	88.6	54.4	42.5	38.8	35.1	35.1	35.1	35.1
65°	2173.3	1371.4	398.7	70.1	47.1	37.8	34.1	31.4	31.4	31.4	30.5
66°	2010.9	1202.5	305.5	63.7	44.3	36.9	33.2	30.5	29.5	28.6	28.6
67.5°	1746.1	950.5	191.0	56.3	40.6	34.1	30.5	27.7	26.8	25.8	25.8
70°	1315.1	603.6	93.2	43.4	35.1	29.5	26.8	24.0	23.1	22.1	21.2
72.5°	922.9	353.5	48.9	33.2	28.6	25.8	23.1	20.3	19.4	18.5	18.5
75°	521.4	170.7	32.3	24.0	23.1	21.2	19.4	16.6	15.7	15.7	15.7
77.5°	197.5	59.1	22.1	17.5	18.5	16.6	13.8	13.8	12.9	13.8	12.9
80°	51.7	25.8	13.8	12.9	13.8	12.0	10.2	11.1	11.1	11.1	11.1
82.5°	27.7	14.8	8.3	9.2	8.3	8.3	6.5	7.4	8.3	7.4	8.3
85°	19.4	7.4	4.6	4.6	3.7	3.7	2.8	3.7	4.6	3.7	3.7
87.5°	10.2	2.8	2.8	2.8	2.8	1.8	0.9	0.0	0.9	0.9	0.9
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)