

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: P1210238

Luminaire Tested: **ARCH2-60-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210238
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: ARCH2-60-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

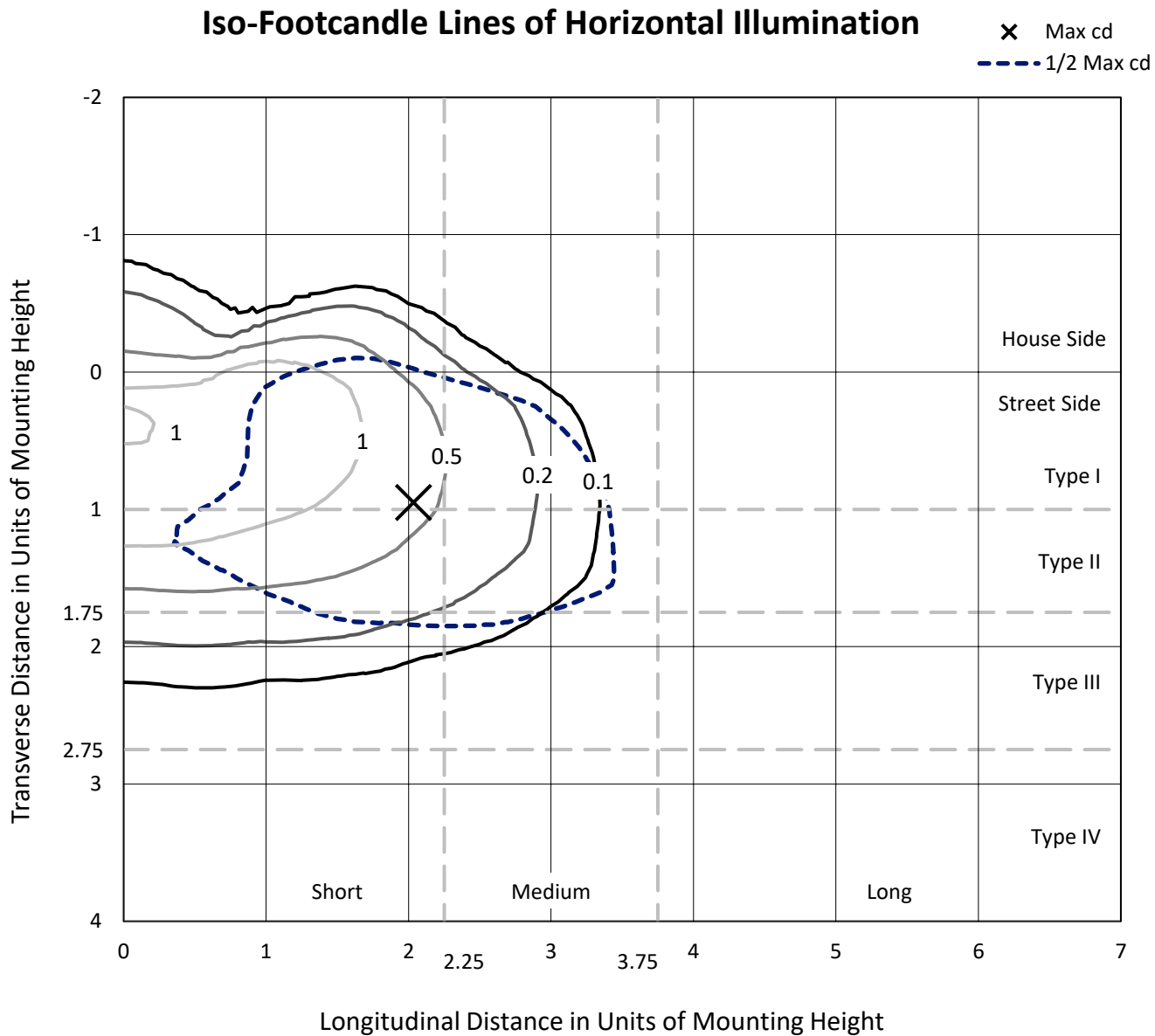
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6394 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8
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



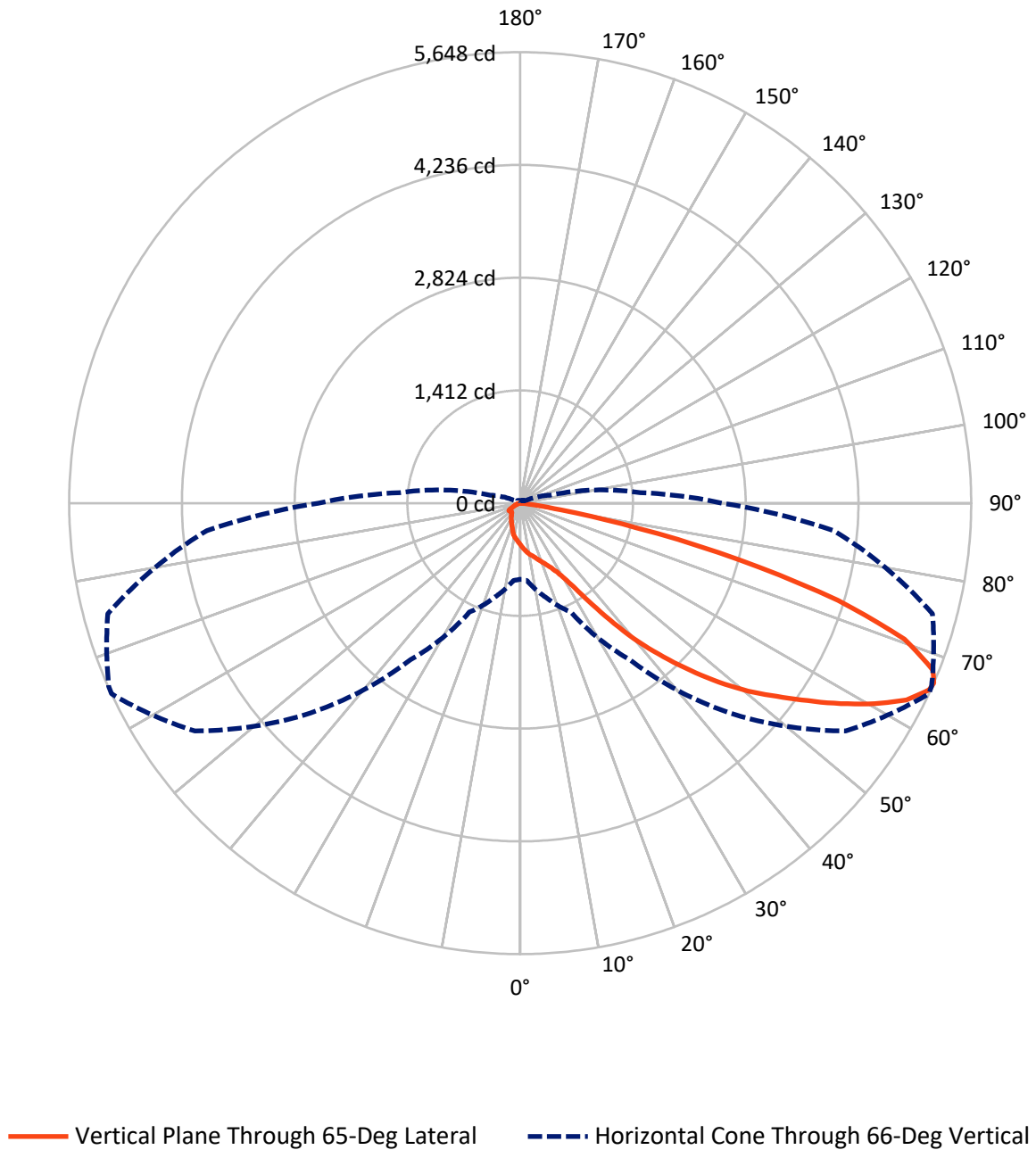
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Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.6	0.0	754.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5639.4	0.0	5639.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	6394.0	0.0	6394.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	0.8
10°-20°	146.2	2.3
20°-30°	267.6	4.2
30°-40°	543.7	8.5
40°-50°	1148.2	18.0
50°-60°	1765.1	27.6
60°-70°	1776.7	27.8
70°-80°	663.9	10.4
80°-90°	33.2	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°	6394.0	100.0
0°-180°	6394.0	100.0

Coefficient of Utilization



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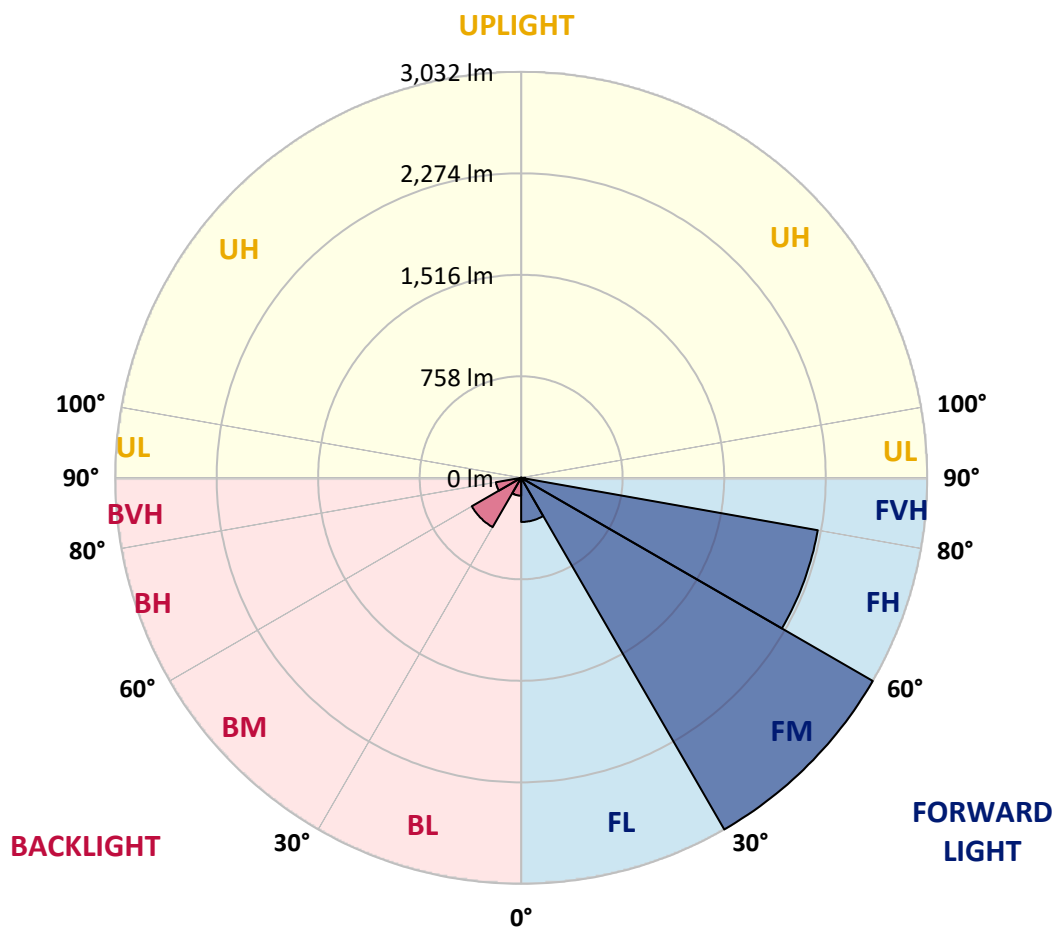
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.6	5.2			
FM	(30°-60°)	3031.6	47.4			
FH	(60°-80°)	2248.9	35.2			G2/5000
FVH	(80°-90°)	29.3	0.5			G1/100
BL	(0°-30°)	133.6	2.1	B1/500		
BM	(30°-60°)	425.5	6.7	B1/1000		
BH	(60°-80°)	191.7	3.0	B1/500		G1/500
BVH	(80°-90°)	3.9	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9
2.5°	594.0	595.2	592.9	588.2	583.6	577.8	568.5	553.4	551.1	540.7	529.1
5°	634.6	637.0	633.5	632.3	630.0	621.9	609.1	587.1	584.7	563.9	537.2
7.5°	648.6	652.0	649.7	649.7	649.7	646.2	640.4	620.7	617.2	590.5	549.9
10°	659.0	661.3	660.2	664.8	668.3	666.0	662.5	650.9	647.4	620.7	567.3
12.5°	675.2	676.4	677.6	679.9	685.7	688.0	686.8	676.4	674.1	655.5	589.4
15°	690.3	690.3	691.5	701.9	710.0	714.7	715.8	707.7	705.4	690.3	617.2
17.5°	704.2	705.4	708.9	720.5	734.4	743.7	749.5	746.0	742.5	730.9	649.7
20°	725.1	727.4	730.9	747.2	761.1	776.2	787.8	786.6	785.5	777.3	688.0
22.5°	761.1	763.4	769.2	784.3	798.2	816.8	836.5	835.3	831.9	826.1	733.2
25°	815.6	815.6	819.1	831.9	849.3	871.3	889.9	893.4	889.9	886.4	790.1
27.5°	884.1	885.2	885.2	899.2	915.4	943.2	966.4	969.9	969.9	966.4	866.7
30°	979.2	975.7	973.4	985.0	1002.4	1043.0	1083.6	1090.6	1087.1	1092.9	974.6
32.5°	1142.8	1137.0	1117.3	1119.6	1130.0	1185.7	1254.2	1278.5	1277.4	1287.8	1148.6
35°	1369.0	1357.4	1328.4	1304.1	1302.9	1363.2	1467.7	1559.3	1558.2	1594.1	1413.1
37.5°	1624.3	1639.4	1584.8	1543.1	1530.3	1577.9	1712.5	1910.9	1921.3	1983.9	1760.0
40°	1965.4	1974.7	1905.1	1845.9	1785.6	1803.0	1980.5	2289.1	2307.6	2377.3	2106.9
42.5°	2262.4	2271.7	2231.1	2159.1	2082.6	2050.1	2250.8	2632.5	2647.6	2743.9	2464.3
45°	2464.3	2471.2	2485.2	2492.1	2405.1	2337.8	2581.5	2985.2	3003.8	3115.1	2813.5
47.5°	2622.1	2627.9	2655.7	2725.3	2707.9	2654.5	2917.9	3351.8	3356.5	3480.6	3153.4
50°	2695.2	2709.1	2777.5	2884.3	2960.8	2975.9	3283.4	3698.7	3711.5	3829.8	3474.8
52.5°	2613.9	2618.6	2791.4	2992.2	3146.5	3299.6	3650.0	4020.1	4057.2	4145.4	3763.7
55°	2340.1	2373.8	2636.0	2988.7	3292.7	3607.1	4042.1	4367.0	4400.6	4456.3	4017.8
57.5°	2022.2	2059.4	2378.4	2839.0	3355.3	3891.3	4405.3	4735.9	4759.2	4774.2	4251.0
60°	1747.3	1782.1	2110.4	2552.4	3292.7	4092.0	4742.9	5102.6	5122.3	5081.7	4368.2
62.5°	1409.6	1444.5	1775.1	2173.1	3046.7	4132.6	4993.5	5428.6	5436.7	5326.5	4296.2
65°	1062.7	1085.9	1362.1	1703.2	2616.3	3916.8	5050.4	5631.6	5623.5	5397.3	4080.4
66°	952.5	972.3	1215.9	1505.9	2392.3	3719.6	4973.8	5647.9	5639.7	5345.1	3938.9
67.5°	821.4	827.2	1027.9	1232.1	2001.3	3300.8	4740.6	5573.6	5580.6	5201.2	3680.2
70°	641.6	640.4	756.5	857.4	1366.7	2348.3	3954.0	5106.1	5139.7	4658.2	3138.3
72.5°	410.7	396.8	464.1	524.4	795.9	1363.2	2883.1	4161.6	4218.5	3659.3	2337.8
75°	244.8	230.9	247.1	262.2	381.7	655.5	1695.1	2832.1	2886.6	2345.9	1391.1
77.5°	183.3	177.5	178.7	165.9	169.4	246.0	773.9	1496.7	1536.1	960.6	527.9
80°	140.4	125.3	117.2	123.0	111.4	97.5	287.7	515.1	539.5	227.4	110.2
82.5°	94.0	81.2	75.4	82.4	70.8	54.5	69.6	99.8	97.5	61.5	42.9
85°	48.7	41.8	41.8	41.8	36.0	26.7	30.2	40.6	40.6	32.5	25.5
87.5°	13.9	12.8	15.1	13.9	10.4	10.4	11.6	13.9	13.9	12.8	11.6
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°	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9
2.5°	519.8	515.1	502.4	493.1	483.8	475.7	466.4	464.1	459.4	460.6	458.3
5°	523.3	510.5	488.4	467.6	451.3	437.4	420.0	413.0	403.8	400.3	397.9
7.5°	527.9	509.3	476.8	447.8	420.0	392.1	364.3	348.1	337.6	333.0	329.5
10°	538.3	514.0	471.0	425.8	378.2	338.8	310.9	299.3	292.4	291.2	290.1
12.5°	552.3	520.9	465.2	397.9	335.3	298.2	280.8	277.3	276.1	276.1	275.0
15°	573.1	532.5	456.0	365.5	301.7	276.1	268.0	262.2	259.9	259.9	259.9
17.5°	594.0	546.5	442.0	331.8	278.4	262.2	254.1	250.6	248.3	249.4	248.3
20°	620.7	562.7	423.5	302.8	263.4	250.6	242.5	239.0	237.8	237.8	237.8
22.5°	650.9	581.3	400.3	280.8	250.6	239.0	230.9	227.4	225.1	226.2	226.2
25°	691.5	604.5	375.9	258.7	237.8	227.4	218.1	213.5	213.5	214.6	215.8
27.5°	743.7	632.3	351.5	244.8	226.2	215.8	205.4	200.7	201.9	204.2	204.2
30°	820.3	670.6	327.2	229.7	213.5	201.9	192.6	188.0	190.3	194.9	194.9
32.5°	929.3	733.2	306.3	212.3	194.9	182.2	172.9	169.4	175.2	184.5	184.5
35°	1124.2	848.1	293.5	194.9	175.2	160.1	148.5	145.0	153.1	164.7	164.7
37.5°	1385.3	1032.6	298.2	179.8	158.9	141.5	128.8	124.1	129.9	140.4	143.9
40°	1676.5	1255.3	338.8	167.1	143.9	126.5	113.7	109.1	112.5	117.2	118.3
42.5°	1967.7	1492.0	415.4	157.8	132.3	113.7	102.1	98.6	100.9	102.1	103.3
45°	2257.8	1726.4	511.6	152.0	121.8	103.3	91.7	91.7	92.8	92.8	92.8
47.5°	2532.7	1954.9	612.6	150.8	112.5	92.8	83.5	84.7	84.7	85.9	85.9
50°	2792.6	2159.1	714.7	154.3	104.4	83.5	76.6	76.6	76.6	77.7	76.6
52.5°	3009.6	2337.8	821.4	160.1	96.3	76.6	69.6	69.6	69.6	70.8	69.6
55°	3214.9	2500.2	930.5	168.2	89.3	70.8	63.8	61.5	61.5	62.7	61.5
57.5°	3382.0	2608.1	1033.7	169.4	83.5	65.0	59.2	55.7	55.7	55.7	55.7
60°	3389.0	2545.5	1063.9	148.5	76.6	59.2	53.4	48.7	49.9	49.9	49.9
62.5°	3167.4	2216.0	855.1	111.4	68.5	53.4	48.7	44.1	44.1	44.1	44.1
65°	2732.3	1724.1	501.2	88.2	59.2	47.6	42.9	39.4	39.4	39.4	38.3
66°	2528.1	1511.7	384.0	80.1	55.7	46.4	41.8	38.3	37.1	36.0	36.0
67.5°	2195.1	1195.0	240.2	70.8	51.0	42.9	38.3	34.8	33.6	32.5	32.5
70°	1653.3	758.8	117.2	54.5	44.1	37.1	33.6	30.2	29.0	27.8	26.7
72.5°	1160.2	444.4	61.5	41.8	36.0	32.5	29.0	25.5	24.4	23.2	23.2
75°	655.5	214.6	40.6	30.2	29.0	26.7	24.4	20.9	19.7	19.7	19.7
77.5°	248.3	74.3	27.8	22.0	23.2	20.9	17.4	17.4	16.2	17.4	16.2
80°	65.0	32.5	17.4	16.2	17.4	15.1	12.8	13.9	13.9	13.9	13.9
82.5°	34.8	18.6	10.4	11.6	10.4	10.4	8.1	9.3	10.4	9.3	10.4
85°	24.4	9.3	5.8	5.8	4.6	4.6	3.5	4.6	5.8	4.6	4.6
87.5°	12.8	3.5	3.5	3.5	3.5	2.3	1.2	0.0	1.2	1.2	1.2
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)