

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: P1210748

Luminaire Tested: **ARCH3-60-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210748
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: ARCH3-60-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

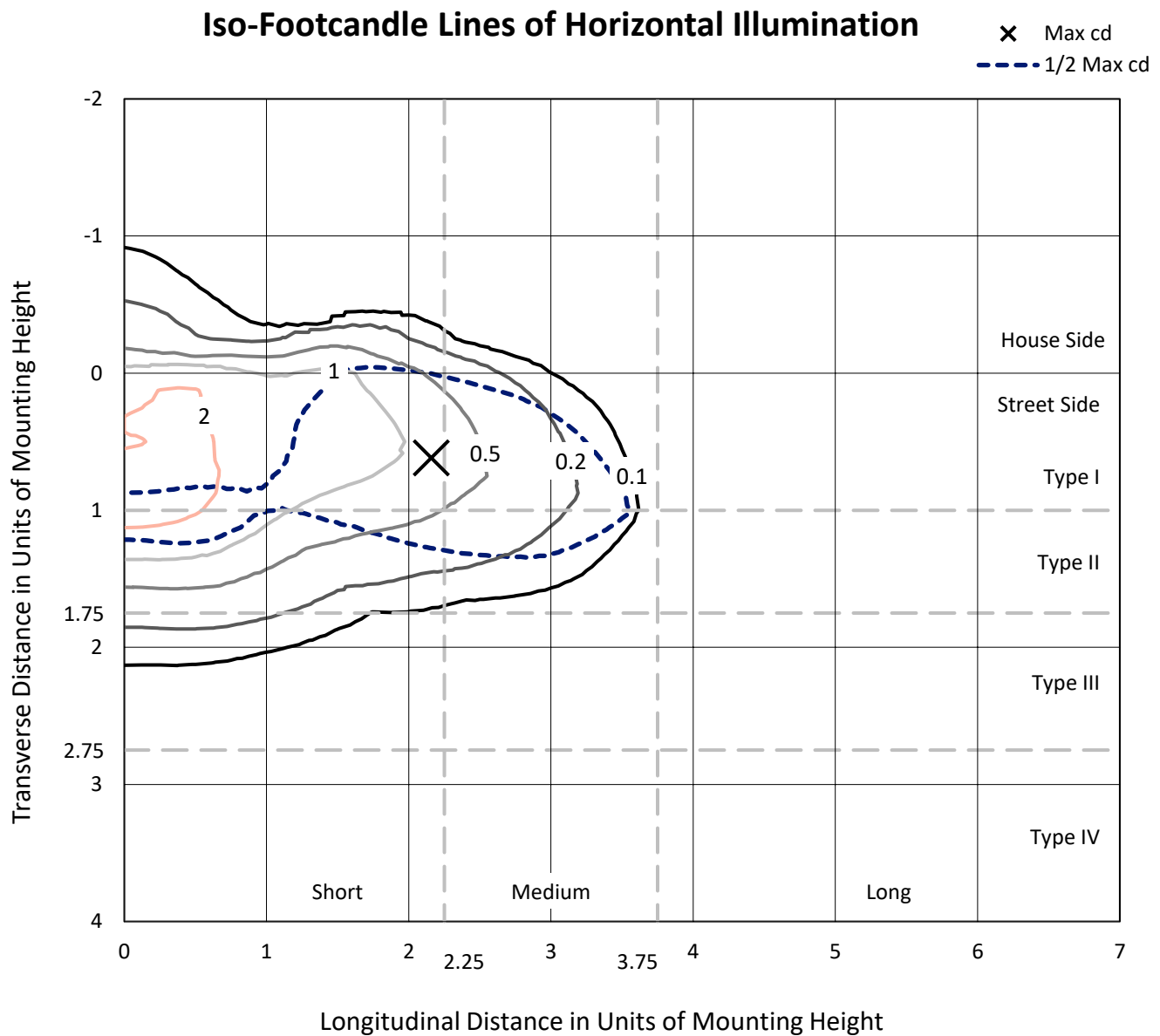
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7244 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.2
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



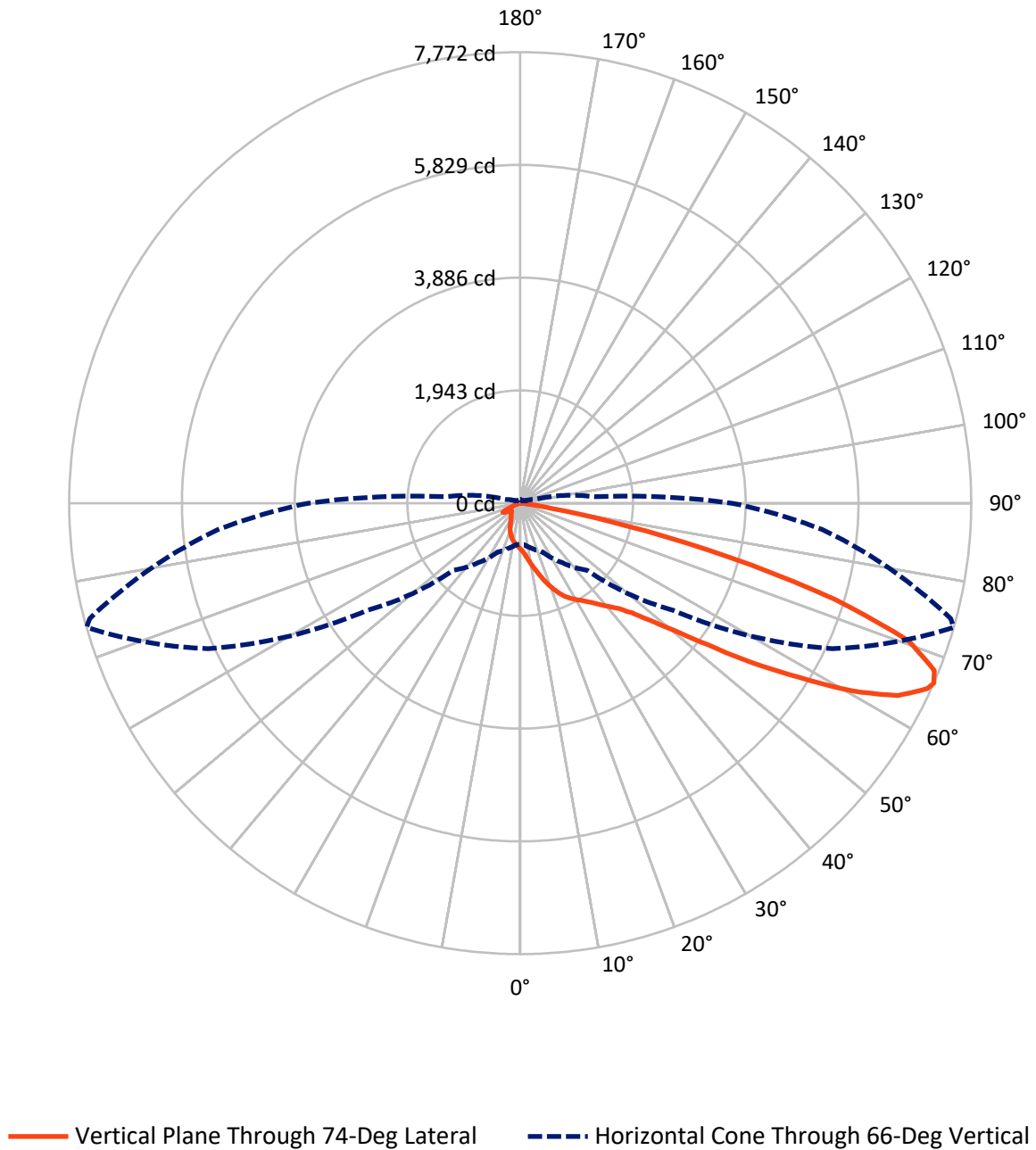
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Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	710.1	0.0	710.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6533.9	0.0	6533.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	7244.0	0.0	7244.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.1
10°-20°	247.4	3.4
20°-30°	472.2	6.5
30°-40°	827.7	11.4
40°-50°	1419.2	19.6
50°-60°	1845.8	25.5
60°-70°	1670.9	23.1
70°-80°	644.7	8.9
80°-90°	38.8	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°	7244.0	100.0
0°-180°	7244.0	100.0

Coefficient of Utilization



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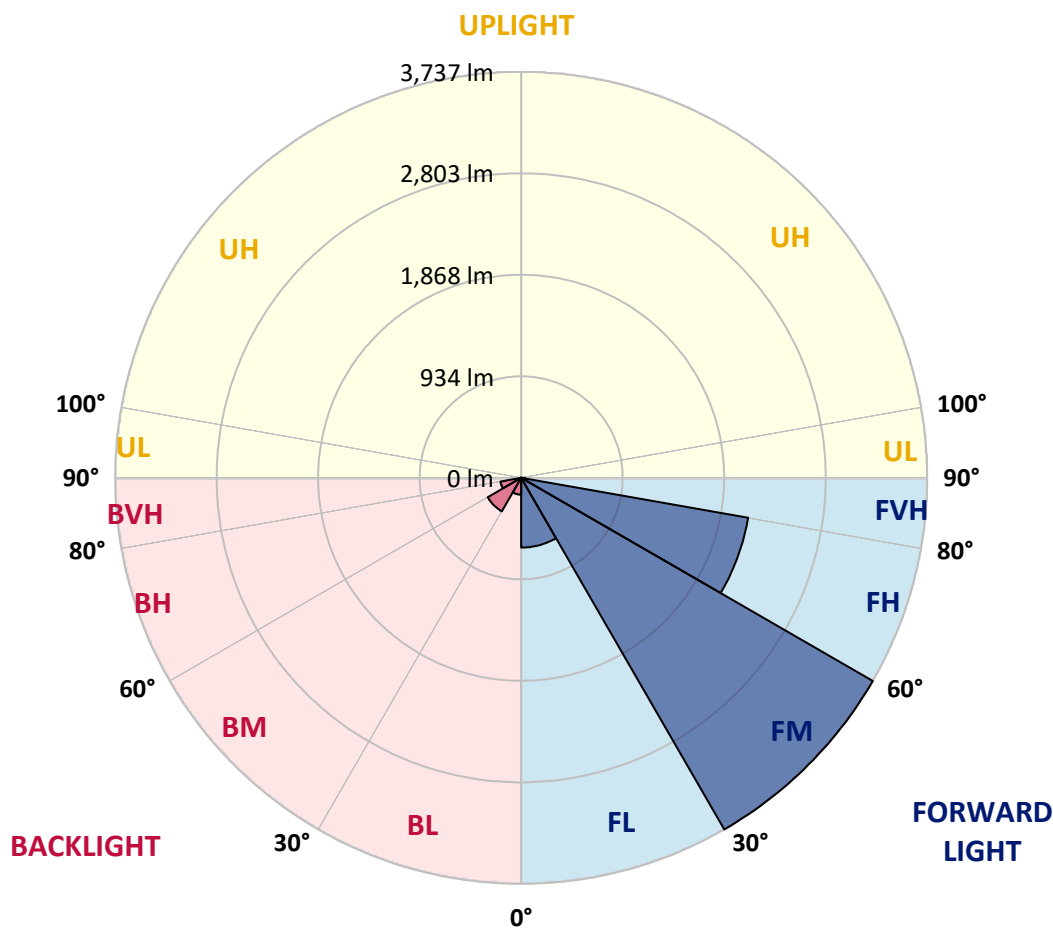
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	641.9	8.9			
FM	(30°-60°)	3736.8	51.6			
FH	(60°-80°)	2121.5	29.3			G2/5000
FVH	(80°-90°)	33.6	0.5			G1/100
BL	(0°-30°)	154.9	2.1	B1/500		
BM	(30°-60°)	355.9	4.9	B1/1000		
BH	(60°-80°)	194.1	2.7	B1/500		G1/500
BVH	(80°-90°)	5.2	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7
2.5°	949.4	941.6	927.3	926.0	914.3	900.0	875.3	849.3	831.1	828.5	806.4
5°	1136.7	1132.8	1118.5	1109.4	1087.3	1053.5	996.2	939.0	890.9	885.7	836.3
7.5°	1186.1	1188.7	1191.3	1200.4	1192.6	1177.0	1134.1	1053.5	978.0	966.3	880.5
10°	1193.9	1191.3	1191.3	1203.0	1225.1	1247.2	1242.0	1173.1	1075.6	1061.3	941.6
12.5°	1278.5	1282.4	1273.3	1268.1	1264.2	1275.9	1314.9	1285.0	1178.3	1166.6	1015.7
15°	1387.7	1386.4	1373.4	1373.4	1361.7	1342.2	1366.9	1389.0	1301.9	1287.6	1100.3
17.5°	1467.0	1472.2	1470.9	1478.7	1474.8	1448.8	1435.8	1481.3	1429.3	1411.1	1196.5
20°	1530.8	1545.1	1550.3	1575.0	1586.7	1568.5	1534.7	1563.3	1551.6	1534.7	1294.1
22.5°	1598.4	1610.1	1619.2	1662.1	1694.6	1690.7	1647.8	1641.3	1669.9	1654.3	1390.3
25°	1666.0	1671.2	1698.5	1750.6	1802.6	1815.6	1771.4	1720.7	1776.6	1762.3	1476.1
27.5°	1740.2	1742.8	1775.3	1839.0	1911.8	1939.1	1904.0	1810.4	1858.5	1858.5	1554.2
30°	1875.4	1901.4	1914.4	1971.7	2035.4	2073.1	2031.5	1905.3	1931.3	1943.0	1636.1
32.5°	2166.7	2170.6	2166.7	2191.5	2204.5	2226.6	2178.5	2012.0	2005.5	2018.5	1716.7
35°	2611.5	2595.9	2554.3	2517.9	2442.5	2400.8	2338.4	2148.5	2096.5	2114.7	1796.1
37.5°	3151.3	3129.2	3034.2	2922.4	2761.1	2594.6	2516.6	2315.0	2212.3	2235.7	1881.9
40°	3666.3	3652.0	3538.8	3401.0	3125.3	2840.4	2675.3	2455.5	2341.0	2350.1	1969.1
42.5°	4090.3	4087.7	3992.7	3848.4	3494.6	3105.8	2862.5	2593.3	2476.3	2490.6	2060.1
45°	4411.5	4386.8	4316.6	4212.5	3852.3	3381.5	3088.8	2802.7	2693.5	2710.4	2196.7
47.5°	4411.5	4415.4	4460.9	4450.5	4102.0	3640.3	3336.0	3066.7	3014.7	3030.3	2421.7
50°	4052.6	4089.0	4291.9	4462.2	4232.0	3841.9	3602.6	3397.1	3450.4	3473.8	2814.4
52.5°	3342.5	3403.6	3756.0	4144.9	4135.8	3943.3	3878.3	3817.2	4056.5	4098.1	3394.5
55°	2540.0	2580.3	3039.4	3550.6	3717.0	3860.1	4118.9	4350.4	4858.9	4849.8	3983.6
57.5°	1897.5	1935.2	2330.6	2897.7	3117.5	3499.8	4242.5	4960.4	5654.9	5690.0	4536.4
60°	1395.5	1424.1	1761.0	2226.6	2543.9	2948.4	4193.0	5561.2	6571.8	6531.5	5024.1
62.5°	1032.7	1048.3	1291.5	1594.5	2015.9	2402.1	3882.2	5972.2	7304.0	7222.1	5295.9
65°	798.5	803.8	929.9	1091.2	1465.7	1867.6	3419.2	6034.6	7708.5	7621.3	5290.7
66°	711.4	715.3	807.7	932.5	1247.2	1634.8	3216.3	5934.5	7772.2	7679.9	5225.7
67.5°	597.0	594.4	649.0	730.9	936.4	1261.6	2856.0	5641.9	7696.8	7649.9	5017.6
70°	442.2	443.5	470.8	490.3	547.5	698.4	2062.7	4894.0	7093.3	7090.7	4446.6
72.5°	327.7	331.6	352.5	356.4	342.0	378.5	1188.7	3892.6	5674.4	5675.7	3324.3
75°	245.8	252.3	258.8	261.4	248.4	239.3	537.1	2619.3	3732.6	3705.3	1881.9
77.5°	187.3	189.9	195.1	191.2	188.6	165.2	223.7	1277.2	1842.9	1679.0	610.0
80°	136.6	136.6	141.8	136.6	135.3	118.4	122.3	409.7	541.0	450.0	131.4
82.5°	85.8	84.5	88.4	87.1	84.5	75.4	71.5	114.4	124.9	111.8	63.7
85°	48.1	46.8	45.5	44.2	40.3	33.8	39.0	42.9	57.2	58.5	45.5
87.5°	16.9	16.9	15.6	14.3	11.7	11.7	14.3	14.3	20.8	20.8	23.4
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°	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7
2.5°	795.9	781.6	760.8	733.5	714.0	694.5	673.7	662.0	645.1	641.2	646.4
5°	810.3	784.2	732.2	675.0	625.6	581.4	539.7	515.0	490.3	481.2	485.1
7.5°	840.2	795.9	707.5	615.2	533.2	466.9	417.5	388.9	366.8	357.7	360.3
10°	884.4	816.8	684.1	547.5	442.2	372.0	330.3	312.1	299.1	293.9	295.2
12.5°	937.7	846.7	654.2	479.9	364.2	303.0	283.5	279.6	277.0	274.4	275.7
15°	997.5	872.7	619.1	413.6	303.0	269.2	262.7	261.4	260.1	260.1	260.1
17.5°	1060.0	896.1	580.1	351.2	264.0	248.4	244.5	244.5	244.5	245.8	245.8
20°	1118.5	914.3	534.5	295.2	241.9	228.9	226.3	226.3	227.6	228.9	228.9
22.5°	1175.7	922.1	481.2	256.2	223.7	212.0	208.1	208.1	208.1	209.4	209.4
25°	1225.1	922.1	427.9	231.5	208.1	196.4	191.2	189.9	191.2	191.2	191.2
27.5°	1266.8	918.2	375.9	214.6	192.5	180.8	175.6	174.3	176.9	178.2	178.2
30°	1311.0	913.0	334.2	199.0	179.5	167.8	162.6	162.6	166.5	171.7	171.7
32.5°	1353.9	916.9	301.7	186.0	166.5	157.4	152.2	153.5	161.3	169.1	169.1
35°	1399.4	924.7	282.2	176.9	157.4	148.3	144.4	148.3	156.1	163.9	163.9
37.5°	1444.9	933.8	270.5	169.1	149.6	140.5	137.9	143.1	152.2	160.0	161.3
40°	1493.1	941.6	257.5	161.3	144.4	134.0	132.7	137.9	149.6	157.4	158.7
42.5°	1552.9	957.2	241.9	154.8	139.2	126.2	127.5	131.4	143.1	154.8	156.1
45°	1669.9	1006.6	226.3	148.3	132.7	122.3	119.7	122.3	135.3	148.3	150.9
47.5°	1889.7	1118.5	209.4	141.8	126.2	119.7	109.2	111.8	123.6	137.9	139.2
50°	2311.1	1356.5	200.3	135.3	121.0	110.5	98.8	98.8	107.9	121.0	121.0
52.5°	2967.9	1783.1	205.5	130.1	114.4	101.4	89.7	88.4	93.6	102.7	102.7
55°	3676.7	2251.3	225.0	124.9	106.6	96.2	83.2	76.7	80.6	85.8	85.8
57.5°	4238.6	2486.7	278.3	122.3	97.5	92.3	75.4	66.3	70.2	75.4	75.4
60°	4485.7	2348.8	338.1	124.9	91.0	85.8	67.6	58.5	65.0	70.2	71.5
62.5°	4285.4	1933.9	362.9	118.4	81.9	76.7	66.3	54.6	62.4	66.3	67.6
65°	3852.3	1469.6	283.5	102.7	75.4	66.3	59.8	52.0	58.5	62.4	62.4
66°	3646.8	1281.1	241.9	94.9	72.8	62.4	57.2	52.0	57.2	59.8	61.1
67.5°	3328.2	1010.5	179.5	83.2	67.6	57.2	53.3	49.4	54.6	57.2	57.2
70°	2602.4	602.2	107.9	65.0	58.5	50.7	48.1	45.5	49.4	50.7	50.7
72.5°	1629.6	286.1	68.9	48.1	49.4	48.1	40.3	42.9	44.2	45.5	45.5
75°	789.4	113.1	46.8	35.1	40.3	45.5	32.5	37.7	39.0	41.6	40.3
77.5°	219.8	54.6	29.9	26.0	35.1	35.1	24.7	29.9	35.1	44.2	40.3
80°	63.7	35.1	19.5	19.5	24.7	24.7	16.9	20.8	23.4	26.0	27.3
82.5°	44.2	23.4	13.0	14.3	14.3	15.6	10.4	10.4	13.0	13.0	14.3
85°	35.1	10.4	7.8	9.1	6.5	7.8	5.2	5.2	6.5	5.2	5.2
87.5°	14.3	5.2	5.2	5.2	3.9	3.9	2.6	1.3	1.3	1.3	1.3
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)