

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: P1210428

Luminaire Tested: **ARCH3-120-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210428
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: ARCH3-120-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 965mA 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: 12761 lumens
Efficiency: N/A
Efficacy: 104.0 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): 122.7
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

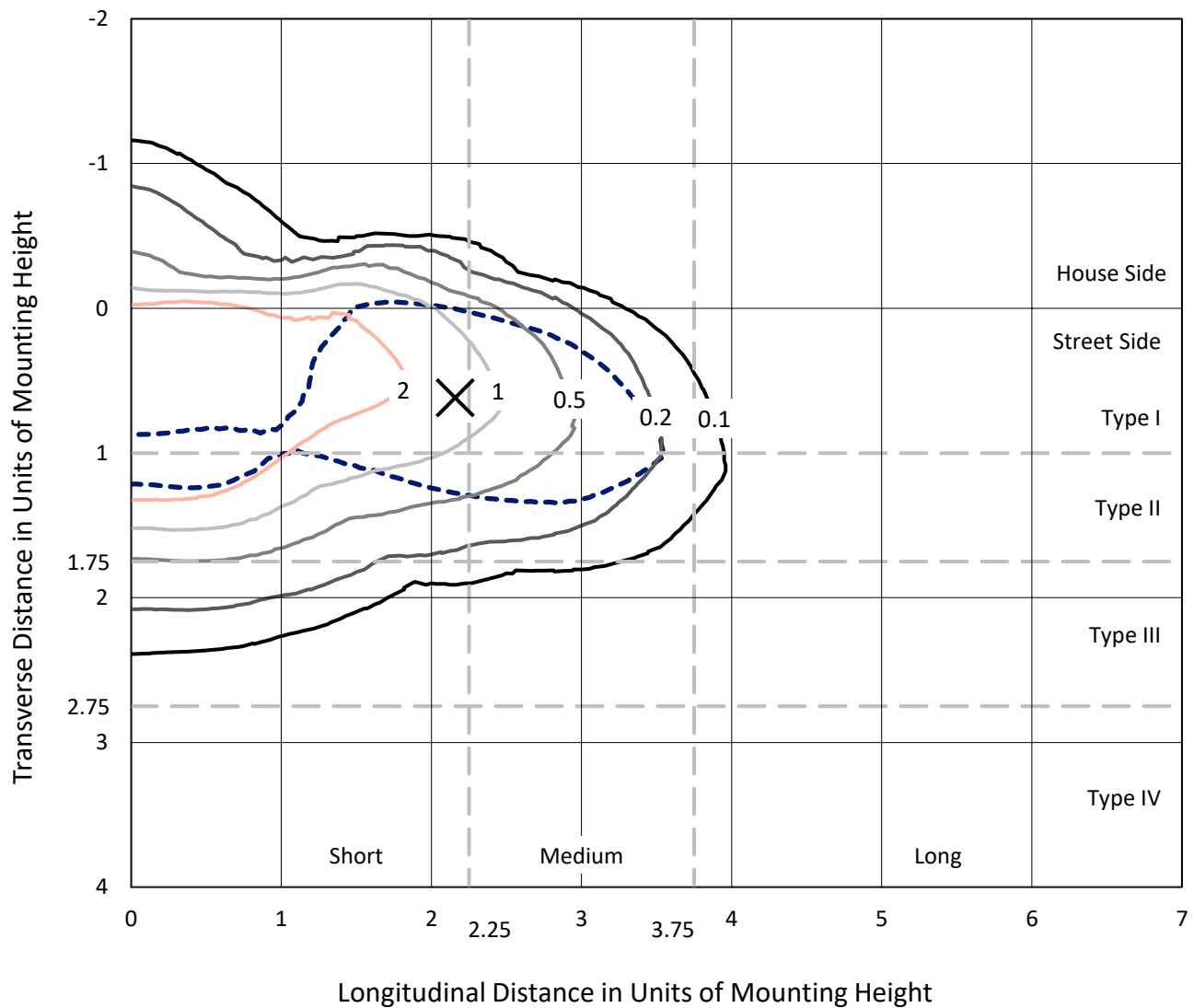


REPORT NUMBER: P1210428

CATALOG NUMBER: ARCH3-120-730-U-T2RE-HSS

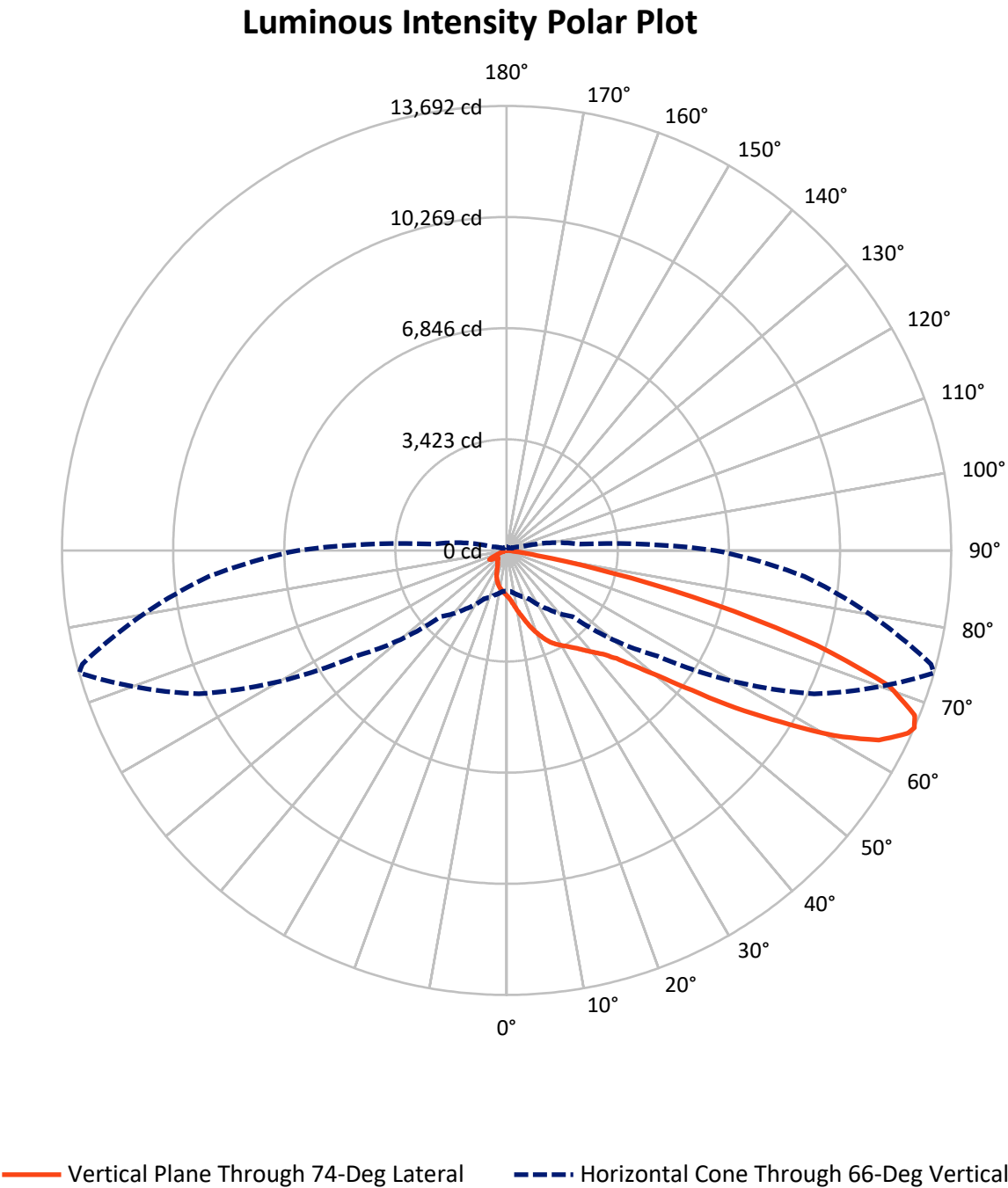
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type II - Short - N/A

REPORT NUMBER: P1210428
CATALOG NUMBER: ARCH3-120-730-U-T2RE-HSS



REPORT NUMBER: P1210428

CATALOG NUMBER: ARCH3-120-730-U-T2RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1251.0	0.0	1251.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	11510.0	0.0	11510.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	12761.0	0.0	12761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	1.1
10°-20°	435.9	3.4
20°-30°	831.8	6.5
30°-40°	1458.0	11.4
40°-50°	2500.1	19.6
50°-60°	3251.6	25.5
60°-70°	2943.5	23.1
70°-80°	1135.8	8.9
80°-90°	68.3	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°	12761.0	100.0
0°-180°	12761.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210428

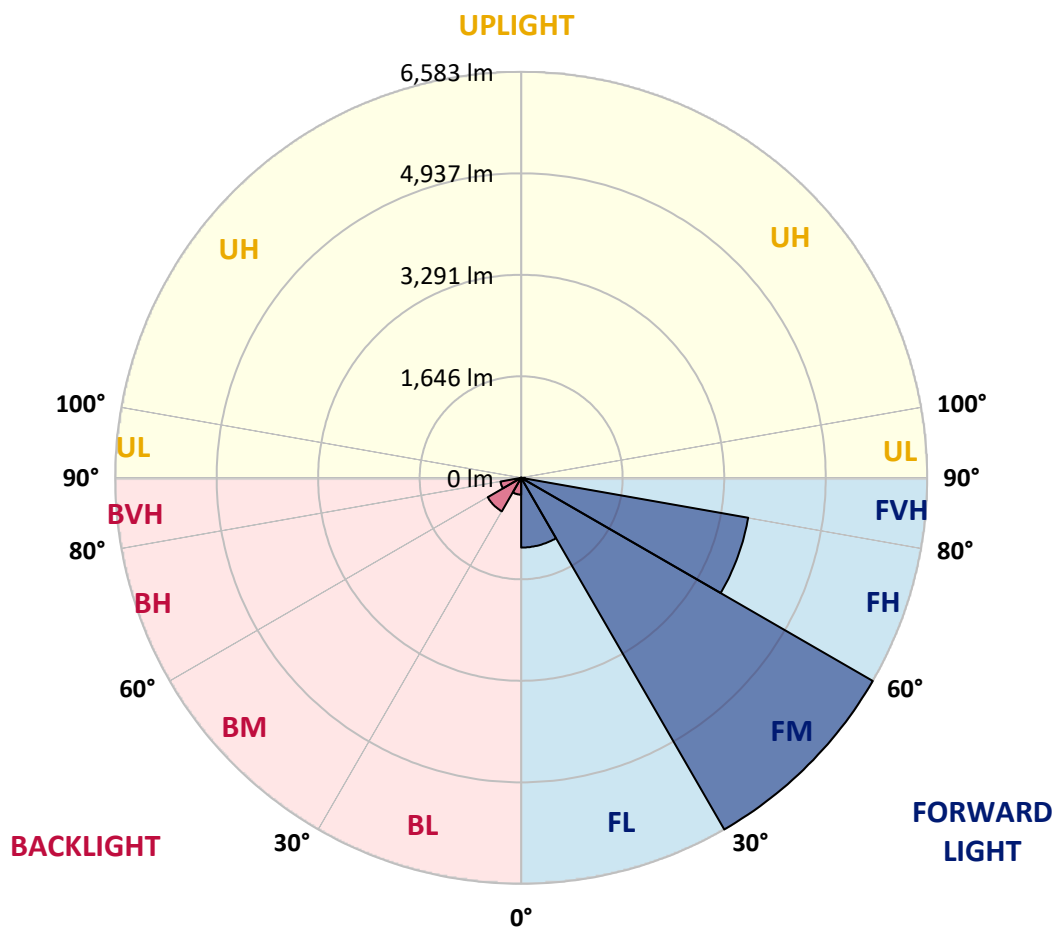
CATALOG NUMBER: ARCH3-120-730-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1130.8	8.9			
FM	(30°-60°)	6582.8	51.6			
FH	(60°-80°)	3737.3	29.3			G2/5000
FVH	(80°-90°)	59.2	0.5			G1/100
BL	(0°-30°)	272.9	2.1	B1/500		
BM	(30°-60°)	627.0	4.9	B1/1000		
BH	(60°-80°)	342.0	2.7	B1/500		G1/500
BVH	(80°-90°)	9.2	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



REPORT NUMBER: P1210428

CATALOG NUMBER: ARCH3-120-730-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1672.5	1658.7	1633.5	1631.2	1610.6	1585.4	1541.9	1496.1	1464.0	1459.4	1420.5
5°	2002.4	1995.5	1970.3	1954.3	1915.3	1855.8	1755.0	1654.2	1569.4	1560.2	1473.2
7.5°	2089.5	2094.0	2098.6	2114.7	2100.9	2073.4	1997.8	1855.8	1722.9	1702.3	1551.1
10°	2103.2	2098.6	2098.6	2119.2	2158.2	2197.1	2188.0	2066.5	1894.7	1869.5	1658.7
12.5°	2252.1	2259.0	2243.0	2233.8	2226.9	2247.5	2316.3	2263.6	2075.7	2055.1	1789.3
15°	2444.6	2442.3	2419.4	2419.4	2398.8	2364.4	2407.9	2446.9	2293.4	2268.2	1938.2
17.5°	2584.3	2593.5	2591.2	2605.0	2598.1	2552.3	2529.3	2609.5	2517.9	2485.8	2107.8
20°	2696.6	2721.8	2731.0	2774.5	2795.1	2763.0	2703.5	2753.9	2733.3	2703.5	2279.6
22.5°	2815.7	2836.4	2852.4	2928.0	2985.3	2978.4	2902.8	2891.3	2941.7	2914.2	2449.2
25°	2934.9	2944.0	2992.1	3083.8	3175.4	3198.3	3120.4	3031.1	3129.6	3104.4	2600.4
27.5°	3065.5	3070.0	3127.3	3239.6	3367.9	3416.0	3354.1	3189.2	3273.9	3273.9	2737.8
30°	3303.7	3349.6	3372.5	3473.3	3585.5	3652.0	3578.7	3356.4	3402.2	3422.9	2882.2
32.5°	3816.9	3823.8	3816.9	3860.5	3883.4	3922.3	3837.6	3544.3	3532.8	3555.7	3024.2
35°	4600.5	4573.0	4499.7	4435.5	4302.6	4229.3	4119.4	3784.9	3693.2	3725.3	3164.0
37.5°	5551.3	5512.3	5345.1	5148.0	4864.0	4570.7	4433.2	4078.1	3897.1	3938.4	3315.2
40°	6458.5	6433.3	6234.0	5991.2	5505.5	5003.7	4712.7	4325.5	4123.9	4140.0	3468.7
42.5°	7205.4	7200.8	7033.6	6779.3	6156.1	5471.1	5042.7	4568.4	4362.2	4387.4	3629.1
45°	7771.3	7727.8	7604.1	7420.8	6786.2	5956.8	5441.3	4937.3	4744.8	4774.6	3869.6
47.5°	7771.3	7778.2	7858.4	7840.1	7226.0	6412.7	5876.6	5402.4	5310.7	5338.2	4266.0
50°	7139.0	7203.1	7560.5	7860.7	7455.2	6767.8	6346.3	5984.3	6078.2	6119.5	4957.9
52.5°	5888.1	5995.7	6616.6	7301.7	7285.6	6946.5	6832.0	6724.3	7145.9	7219.2	5979.7
55°	4474.5	4545.5	5354.2	6254.6	6547.9	6799.9	7255.8	7663.6	8559.5	8543.4	7017.6
57.5°	3342.7	3409.1	4105.6	5104.5	5491.7	6165.3	7473.5	8738.2	9961.6	10023.5	7991.3
60°	2458.3	2508.7	3102.1	3922.3	4481.3	5193.9	7386.4	9796.6	11576.8	11505.8	8850.4
62.5°	1819.1	1846.6	2275.0	2808.9	3551.2	4231.6	6838.9	10520.6	12866.7	12722.3	9329.3
65°	1406.7	1415.9	1638.1	1922.2	2582.0	3290.0	6023.2	10630.6	13579.2	13425.7	9320.1
66°	1253.2	1260.1	1422.8	1642.7	2197.1	2879.9	5665.8	10454.2	13691.5	13528.8	9205.5
67.5°	1051.6	1047.0	1143.2	1287.6	1649.6	2222.3	5031.2	9938.7	13558.6	13476.1	8839.0
70°	779.0	781.3	829.4	863.7	964.5	1230.3	3633.6	8621.3	12495.5	12490.9	7833.2
72.5°	577.4	584.2	620.9	627.8	602.6	666.7	2094.0	6857.2	9996.0	9998.3	5856.0
75°	433.0	444.5	455.9	460.5	437.6	421.6	946.2	4614.2	6575.4	6527.3	3315.2
77.5°	329.9	334.5	343.7	336.8	332.2	291.0	394.1	2249.8	3246.5	2957.8	1074.5
80°	240.6	240.6	249.7	240.6	238.3	208.5	215.4	721.7	953.1	792.7	231.4
82.5°	151.2	148.9	155.8	153.5	148.9	132.9	126.0	201.6	219.9	197.0	112.3
85°	84.8	82.5	80.2	77.9	71.0	59.6	68.7	75.6	100.8	103.1	80.2
87.5°	29.8	29.8	27.5	25.2	20.6	20.6	25.2	25.2	36.7	36.7	41.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1210428

CATALOG NUMBER: ARCH3-120-730-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1402.1	1376.9	1340.3	1292.2	1257.8	1223.4	1186.8	1166.2	1136.4	1129.5	1138.7
5°	1427.3	1381.5	1289.9	1189.1	1102.0	1024.1	950.8	907.3	863.7	847.7	854.6
7.5°	1480.0	1402.1	1246.3	1083.7	939.3	822.5	735.4	685.0	646.1	630.0	634.6
10°	1557.9	1438.8	1205.1	964.5	779.0	655.2	581.9	549.9	526.9	517.8	520.1
12.5°	1651.9	1491.5	1152.4	845.4	641.5	533.8	499.5	492.6	488.0	483.4	485.7
15°	1757.3	1537.3	1090.6	728.6	533.8	474.3	462.8	460.5	458.2	458.2	458.2
17.5°	1867.2	1578.6	1021.8	618.6	465.1	437.6	430.7	430.7	430.7	433.0	433.0
20°	1970.3	1610.6	941.6	520.1	426.1	403.2	398.6	398.6	400.9	403.2	403.2
22.5°	2071.1	1624.4	847.7	451.3	394.1	373.4	366.6	366.6	366.6	368.9	368.9
25°	2158.2	1624.4	753.8	407.8	366.6	346.0	336.8	334.5	336.8	336.8	336.8
27.5°	2231.5	1617.5	662.1	378.0	339.1	318.5	309.3	307.0	311.6	313.9	313.9
30°	2309.4	1608.3	588.8	350.5	316.2	295.5	286.4	286.4	293.3	302.4	302.4
32.5°	2385.0	1615.2	531.5	327.6	293.3	277.2	268.1	270.3	284.1	297.8	297.8
35°	2465.2	1629.0	497.2	311.6	277.2	261.2	254.3	261.2	274.9	288.7	288.7
37.5°	2545.4	1645.0	476.5	297.8	263.5	247.4	242.9	252.0	268.1	281.8	284.1
40°	2630.2	1658.7	453.6	284.1	254.3	236.0	233.7	242.9	263.5	277.2	279.5
42.5°	2735.5	1686.2	426.1	272.6	245.1	222.2	224.5	231.4	252.0	272.6	274.9
45°	2941.7	1773.3	398.6	261.2	233.7	215.4	210.8	215.4	238.3	261.2	265.8
47.5°	3328.9	1970.3	368.9	249.7	222.2	210.8	192.5	197.0	217.7	242.9	245.1
50°	4071.2	2389.6	352.8	238.3	213.1	194.7	174.1	174.1	190.2	213.1	213.1
52.5°	5228.2	3141.1	362.0	229.1	201.6	178.7	158.1	155.8	165.0	181.0	181.0
55°	6476.9	3965.9	396.4	219.9	187.9	169.5	146.6	135.2	142.0	151.2	151.2
57.5°	7466.6	4380.5	490.3	215.4	171.8	162.7	132.9	116.8	123.7	132.9	132.9
60°	7901.9	4137.7	595.7	219.9	160.4	151.2	119.1	103.1	114.6	123.7	126.0
62.5°	7549.1	3406.8	639.2	208.5	144.3	135.2	116.8	96.2	110.0	116.8	119.1
65°	6786.2	2588.9	499.5	181.0	132.9	116.8	105.4	91.6	103.1	110.0	110.0
66°	6424.2	2256.7	426.1	167.2	128.3	110.0	100.8	91.6	100.8	105.4	107.7
67.5°	5862.9	1780.2	316.2	146.6	119.1	100.8	93.9	87.1	96.2	100.8	100.8
70°	4584.4	1060.8	190.2	114.6	103.1	89.4	84.8	80.2	87.1	89.4	89.4
72.5°	2870.7	504.0	121.4	84.8	87.1	84.8	71.0	75.6	77.9	80.2	80.2
75°	1390.7	199.3	82.5	61.9	71.0	80.2	57.3	66.4	68.7	73.3	71.0
77.5°	387.2	96.2	52.7	45.8	61.9	61.9	43.5	52.7	61.9	77.9	71.0
80°	112.3	61.9	34.4	34.4	43.5	43.5	29.8	36.7	41.2	45.8	48.1
82.5°	77.9	41.2	22.9	25.2	25.2	27.5	18.3	18.3	22.9	22.9	25.2
85°	61.9	18.3	13.7	16.0	11.5	13.7	9.2	9.2	11.5	9.2	9.2
87.5°	25.2	9.2	9.2	9.2	6.9	6.9	4.6	2.3	2.3	2.3	2.3
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)