

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: P1210934

Luminaire Tested: **ARCH4-120-722-U-T3RE-HSS**

Issue Date: 11/5/2025

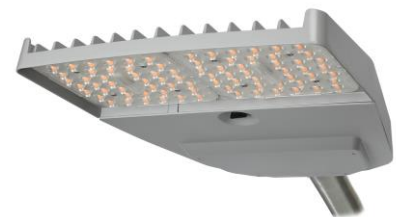
Test Information

Test Method: LM-79-08
Report Number: P1210934
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: ARCH4-120-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1000mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12342 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 122
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

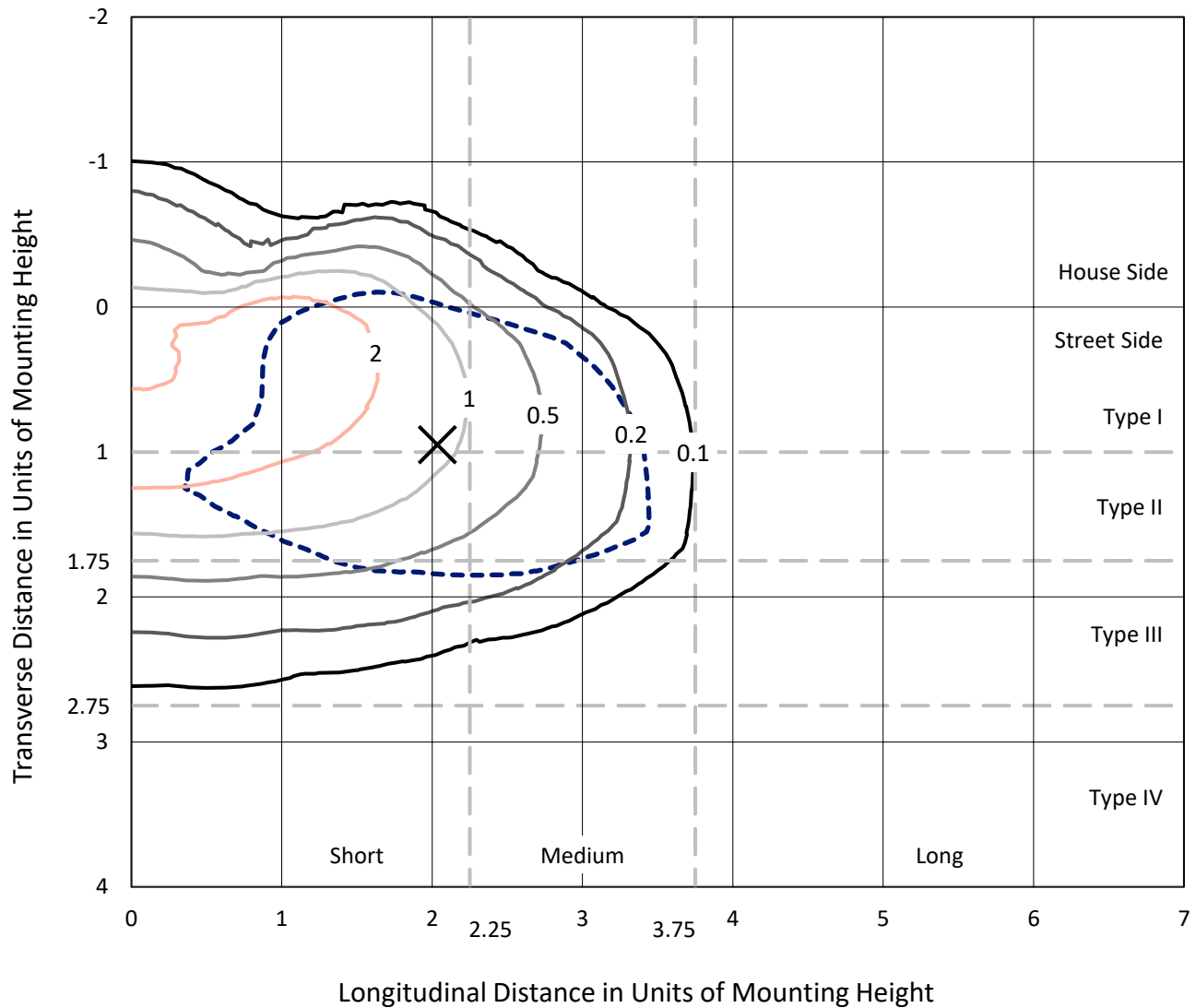


REPORT NUMBER: P1210934

CATALOG NUMBER: ARCH4-120-722-U-T3RE-HSS

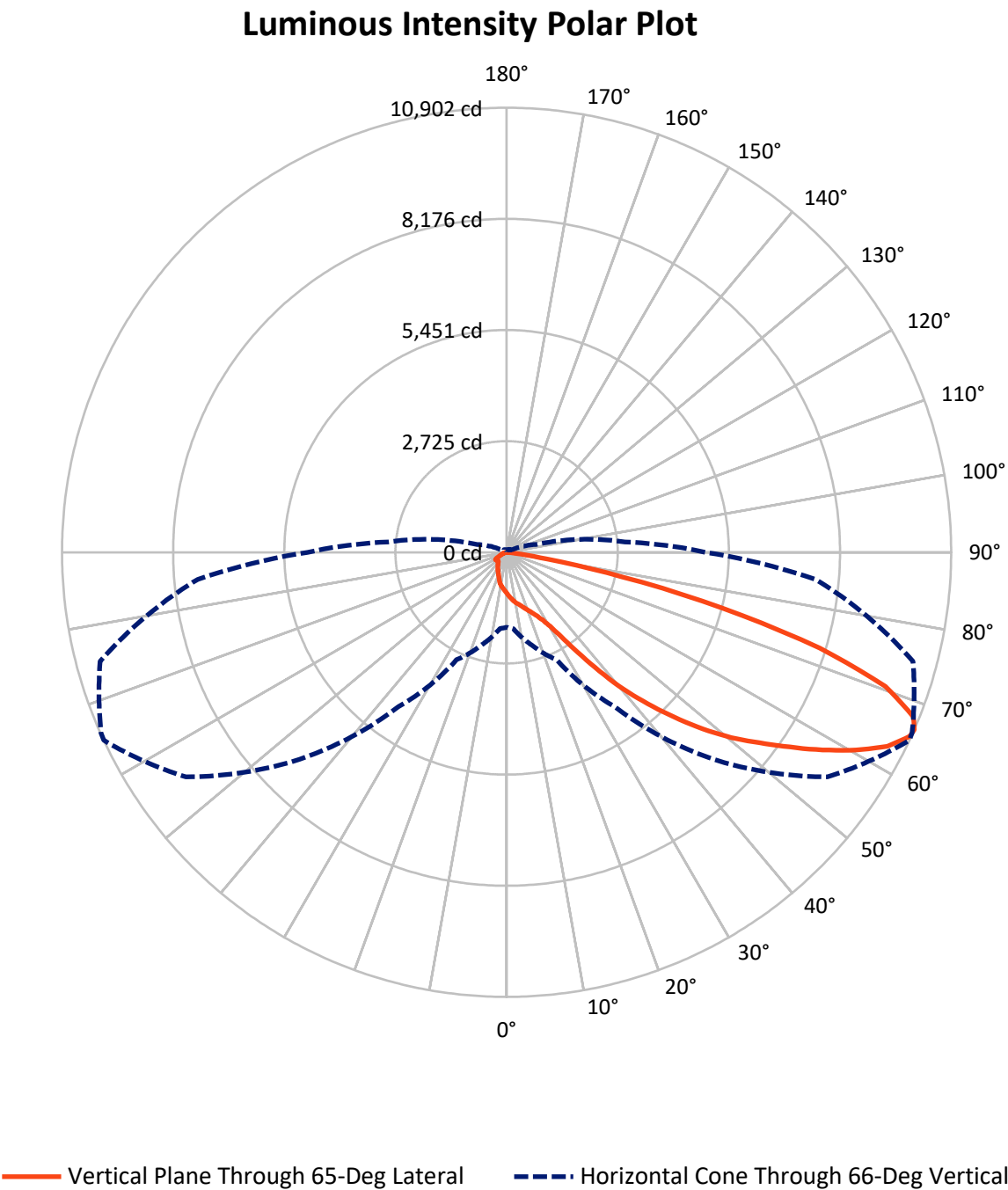
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type III - Short - N/A

REPORT NUMBER: P1210934
CATALOG NUMBER: ARCH4-120-722-U-T3RE-HSS



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1456.6	0.0	1456.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	10885.4	0.0	10885.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	12342.0	0.0	12342.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	0.8
10°-20°	282.2	2.3
20°-30°	516.5	4.2
30°-40°	1049.5	8.5
40°-50°	2216.3	18.0
50°-60°	3407.2	27.6
60°-70°	3429.5	27.8
70°-80°	1281.5	10.4
80°-90°	64.0	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°	12342.0	100.0
0°-180°	12342.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210934

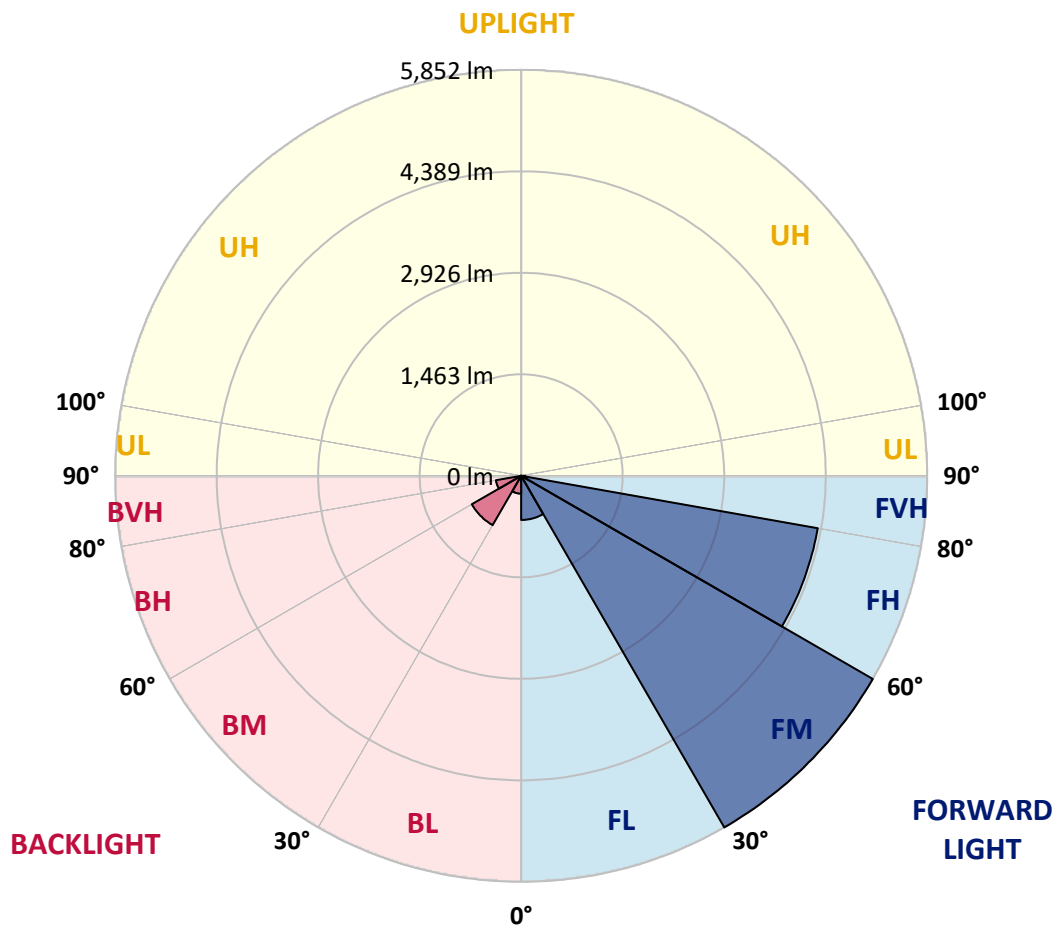
CATALOG NUMBER: ARCH4-120-722-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	636.2	5.2			
FM	(30°-60°)	5851.7	47.4			
FH	(60°-80°)	4341.0	35.2			G2/5000
FVH	(80°-90°)	56.5	0.5			G1/100
BL	(0°-30°)	257.8	2.1	B1/500		
BM	(30°-60°)	821.2	6.7	B1/1000		
BH	(60°-80°)	370.0	3.0	B1/500		G1/500
BVH	(80°-90°)	7.5	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



REPORT NUMBER: P1210934

CATALOG NUMBER: ARCH4-120-722-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5
2.5°	1146.6	1148.9	1144.4	1135.4	1126.5	1115.3	1097.3	1068.2	1063.8	1043.6	1021.2
5°	1225.0	1229.5	1222.8	1220.5	1216.0	1200.4	1175.7	1133.2	1128.7	1088.4	1036.9
7.5°	1251.9	1258.6	1254.1	1254.1	1254.1	1247.4	1236.2	1198.1	1191.4	1139.9	1061.5
10°	1272.0	1276.5	1274.3	1283.2	1289.9	1285.5	1278.7	1256.3	1249.6	1198.1	1095.1
12.5°	1303.4	1305.6	1307.9	1312.3	1323.5	1328.0	1325.8	1305.6	1301.1	1265.3	1137.7
15°	1332.5	1332.5	1334.7	1354.9	1370.6	1379.5	1381.8	1366.1	1361.6	1332.5	1191.4
17.5°	1359.4	1361.6	1368.3	1390.7	1417.6	1435.5	1446.7	1440.0	1433.3	1410.9	1254.1
20°	1399.7	1404.2	1410.9	1442.2	1469.1	1498.2	1520.6	1518.4	1516.1	1500.5	1328.0
22.5°	1469.1	1473.6	1484.8	1513.9	1540.8	1576.6	1614.7	1612.4	1605.7	1594.5	1415.4
25°	1574.4	1574.4	1581.1	1605.7	1639.3	1681.8	1717.7	1724.4	1717.7	1711.0	1525.1
27.5°	1706.5	1708.7	1708.7	1735.6	1766.9	1820.7	1865.5	1872.2	1872.2	1865.5	1672.9
30°	1890.1	1883.4	1878.9	1901.3	1934.9	2013.3	2091.7	2105.1	2098.4	2109.6	1881.2
32.5°	2205.9	2194.7	2156.6	2161.1	2181.3	2288.7	2420.9	2467.9	2465.7	2485.8	2217.1
35°	2642.6	2620.2	2564.2	2517.2	2514.9	2631.4	2832.9	3009.9	3007.6	3077.0	2727.7
37.5°	3135.3	3164.4	3059.1	2978.5	2953.9	3045.7	3305.5	3688.4	3708.6	3829.5	3397.3
40°	3793.7	3811.6	3677.2	3563.0	3446.6	3480.1	3822.8	4418.5	4454.3	4588.7	4066.9
42.5°	4367.0	4384.9	4306.5	4167.7	4019.9	3957.2	4344.6	5081.4	5110.5	5296.4	4756.7
45°	4756.7	4770.1	4797.0	4810.4	4642.4	4512.5	4982.8	5762.2	5798.0	6013.0	5430.7
47.5°	5061.2	5072.4	5126.2	5260.5	5226.9	5123.9	5632.3	6469.9	6478.8	6718.4	6086.9
50°	5202.3	5229.2	5361.3	5567.3	5715.1	5744.3	6337.7	7139.5	7164.1	7392.5	6707.2
52.5°	5045.5	5054.5	5388.2	5775.6	6073.5	6369.1	7045.4	7759.8	7831.5	8001.7	7264.9
55°	4517.0	4582.0	5088.1	5768.9	6355.6	6962.5	7802.3	8429.4	8494.3	8601.8	7755.3
57.5°	3903.4	3975.1	4590.9	5480.0	6476.6	7511.2	8503.3	9141.6	9186.3	9215.5	8205.4
60°	3372.7	3439.8	4073.6	4926.9	6355.6	7898.6	9155.0	9849.2	9887.3	9808.9	8431.6
62.5°	2721.0	2788.2	3426.4	4194.5	5880.9	7977.0	9638.7	10478.5	10494.2	10281.4	8292.8
65°	2051.4	2096.2	2629.1	3287.6	5050.0	7560.5	9748.4	10870.4	10854.8	10418.1	7876.2
66°	1838.6	1876.7	2347.0	2906.8	4617.8	7179.8	9600.6	10901.8	10886.1	10317.3	7603.0
67.5°	1585.6	1596.7	1984.2	2378.3	3863.1	6371.3	9150.5	10758.5	10771.9	10039.6	7103.6
70°	1238.4	1236.2	1460.1	1655.0	2638.1	4532.7	7632.1	9855.9	9920.9	8991.5	6057.8
72.5°	792.8	765.9	895.8	1012.2	1536.3	2631.4	5565.1	8033.0	8142.7	7063.3	4512.5
75°	472.5	445.7	477.0	506.1	736.8	1265.3	3271.9	5466.6	5571.8	4528.2	2685.1
77.5°	353.8	342.6	344.9	320.2	327.0	474.8	1493.7	2888.9	2965.1	1854.3	1019.0
80°	271.0	241.9	226.2	237.4	215.0	188.1	555.4	994.3	1041.4	438.9	212.8
82.5°	181.4	156.8	145.6	159.0	136.6	105.3	134.4	192.6	188.1	118.7	82.9
85°	94.1	80.6	80.6	80.6	69.4	51.5	58.2	78.4	78.4	62.7	49.3
87.5°	26.9	24.6	29.1	26.9	20.2	20.2	22.4	26.9	26.9	24.6	22.4
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: P1210934

CATALOG NUMBER: ARCH4-120-722-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5
2.5°	1003.3	994.3	969.7	951.8	933.9	918.2	900.3	895.8	886.8	889.1	884.6
5°	1010.0	985.4	942.8	902.5	871.2	844.3	810.7	797.3	779.3	772.6	768.1
7.5°	1019.0	983.1	920.4	864.4	810.7	756.9	703.2	671.8	651.7	642.7	636.0
10°	1039.1	992.1	909.2	821.9	730.1	653.9	600.2	577.8	564.3	562.1	559.9
12.5°	1066.0	1005.5	898.0	768.1	647.2	575.5	542.0	535.2	533.0	533.0	530.8
15°	1106.3	1027.9	880.1	705.4	582.3	533.0	517.3	506.1	501.6	501.6	501.6
17.5°	1146.6	1054.8	853.2	640.5	537.5	506.1	490.4	483.7	479.2	481.5	479.2
20°	1198.1	1086.1	817.4	584.5	508.4	483.7	468.1	461.3	459.1	459.1	459.1
22.5°	1256.3	1122.0	772.6	542.0	483.7	461.3	445.7	438.9	434.5	436.7	436.7
25°	1334.7	1166.8	725.6	499.4	459.1	438.9	421.0	412.1	412.1	414.3	416.5
27.5°	1435.5	1220.5	678.6	472.5	436.7	416.5	396.4	387.4	389.7	394.1	394.1
30°	1583.3	1294.4	631.5	443.4	412.1	389.7	371.8	362.8	367.3	376.2	376.2
32.5°	1793.8	1415.4	591.2	409.8	376.2	351.6	333.7	327.0	338.2	356.1	356.1
35°	2170.1	1637.1	566.6	376.2	338.2	309.0	286.7	279.9	295.6	318.0	318.0
37.5°	2673.9	1993.1	575.5	347.1	306.8	273.2	248.6	239.6	250.8	271.0	277.7
40°	3236.0	2423.1	653.9	322.5	277.7	244.1	219.5	210.5	217.2	226.2	228.4
42.5°	3798.2	2880.0	801.7	304.6	255.3	219.5	197.1	190.4	194.8	197.1	199.3
45°	4358.0	3332.3	987.6	293.4	235.1	199.3	176.9	176.9	179.2	179.2	179.2
47.5°	4888.8	3773.5	1182.4	291.1	217.2	179.2	161.2	163.5	163.5	165.7	165.7
50°	5390.4	4167.7	1379.5	297.9	201.6	161.2	147.8	147.8	147.8	150.0	147.8
52.5°	5809.2	4512.5	1585.6	309.0	185.9	147.8	134.4	134.4	134.4	136.6	134.4
55°	6205.6	4826.1	1796.1	324.7	172.4	136.6	123.2	118.7	118.7	120.9	118.7
57.5°	6528.1	5034.3	1995.4	327.0	161.2	125.4	114.2	107.5	107.5	107.5	107.5
60°	6541.5	4913.4	2053.6	286.7	147.8	114.2	103.0	94.1	96.3	96.3	96.3
62.5°	6113.8	4277.4	1650.5	215.0	132.1	103.0	94.1	85.1	85.1	85.1	85.1
65°	5274.0	3327.9	967.5	170.2	114.2	91.8	82.9	76.1	76.1	76.1	73.9
66°	4879.8	2918.0	741.3	154.5	107.5	89.6	80.6	73.9	71.7	69.4	69.4
67.5°	4237.1	2306.7	463.6	136.6	98.5	82.9	73.9	67.2	64.9	62.7	62.7
70°	3191.3	1464.6	226.2	105.3	85.1	71.7	64.9	58.2	56.0	53.7	51.5
72.5°	2239.5	857.7	118.7	80.6	69.4	62.7	56.0	49.3	47.0	44.8	44.8
75°	1265.3	414.3	78.4	58.2	56.0	51.5	47.0	40.3	38.1	38.1	38.1
77.5°	479.2	143.3	53.7	42.6	44.8	40.3	33.6	33.6	31.4	33.6	31.4
80°	125.4	62.7	33.6	31.4	33.6	29.1	24.6	26.9	26.9	26.9	26.9
82.5°	67.2	35.8	20.2	22.4	20.2	20.2	15.7	17.9	20.2	17.9	20.2
85°	47.0	17.9	11.2	11.2	9.0	9.0	6.7	9.0	11.2	9.0	9.0
87.5°	24.6	6.7	6.7	6.7	6.7	4.5	2.2	0.0	2.2	2.2	2.2
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)