

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: P1210870

Luminaire Tested: **ARCH4-100-722-U-T3RE-HSS**

Issue Date: 11/5/2025

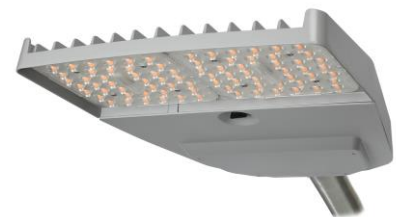
Test Information

Test Method: LM-79-08
Report Number: P1210870
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: ARCH4-100-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 845mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

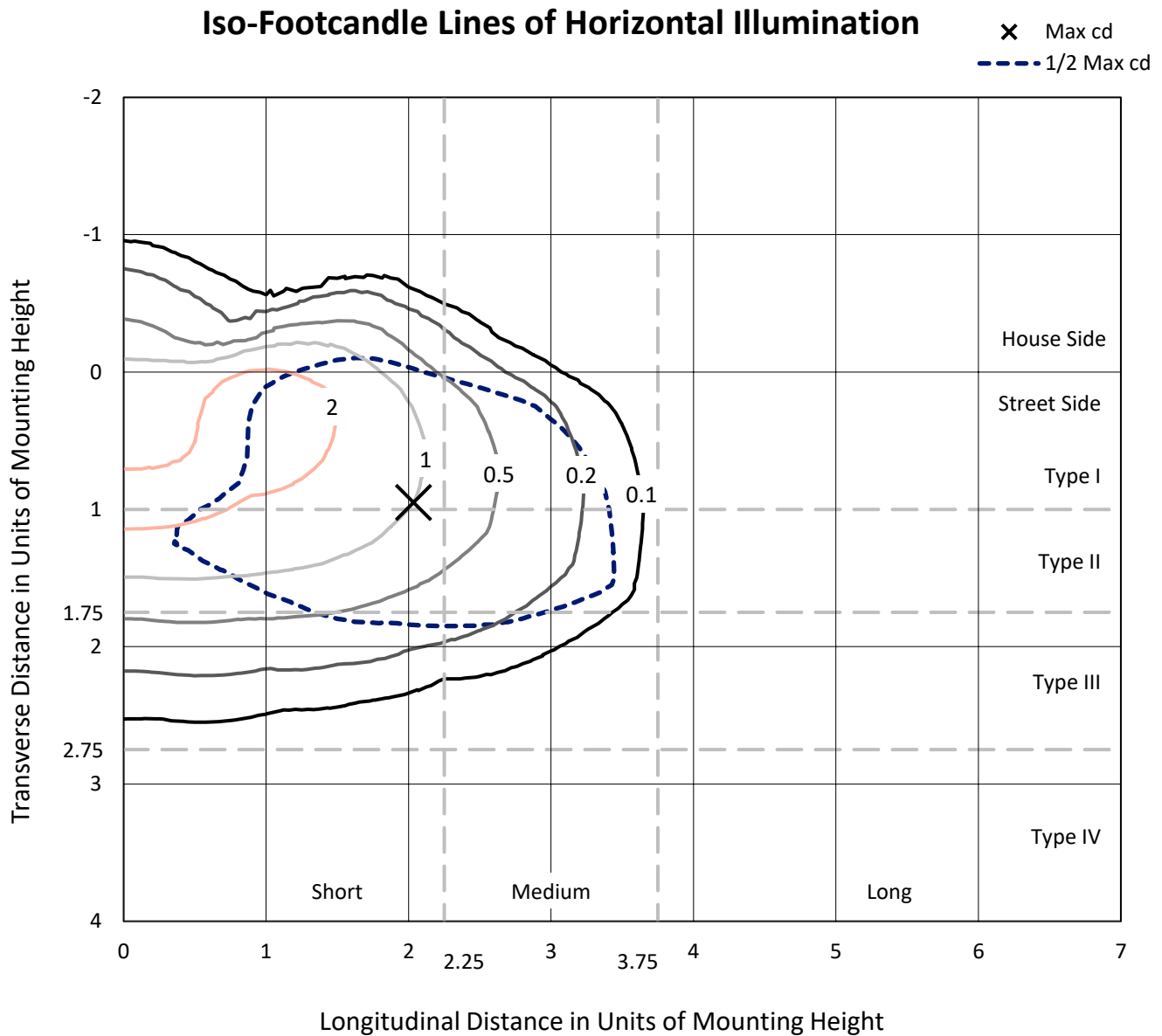
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10564 lumens
Efficiency: N/A
Efficacy: 102.5 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): 103.1
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

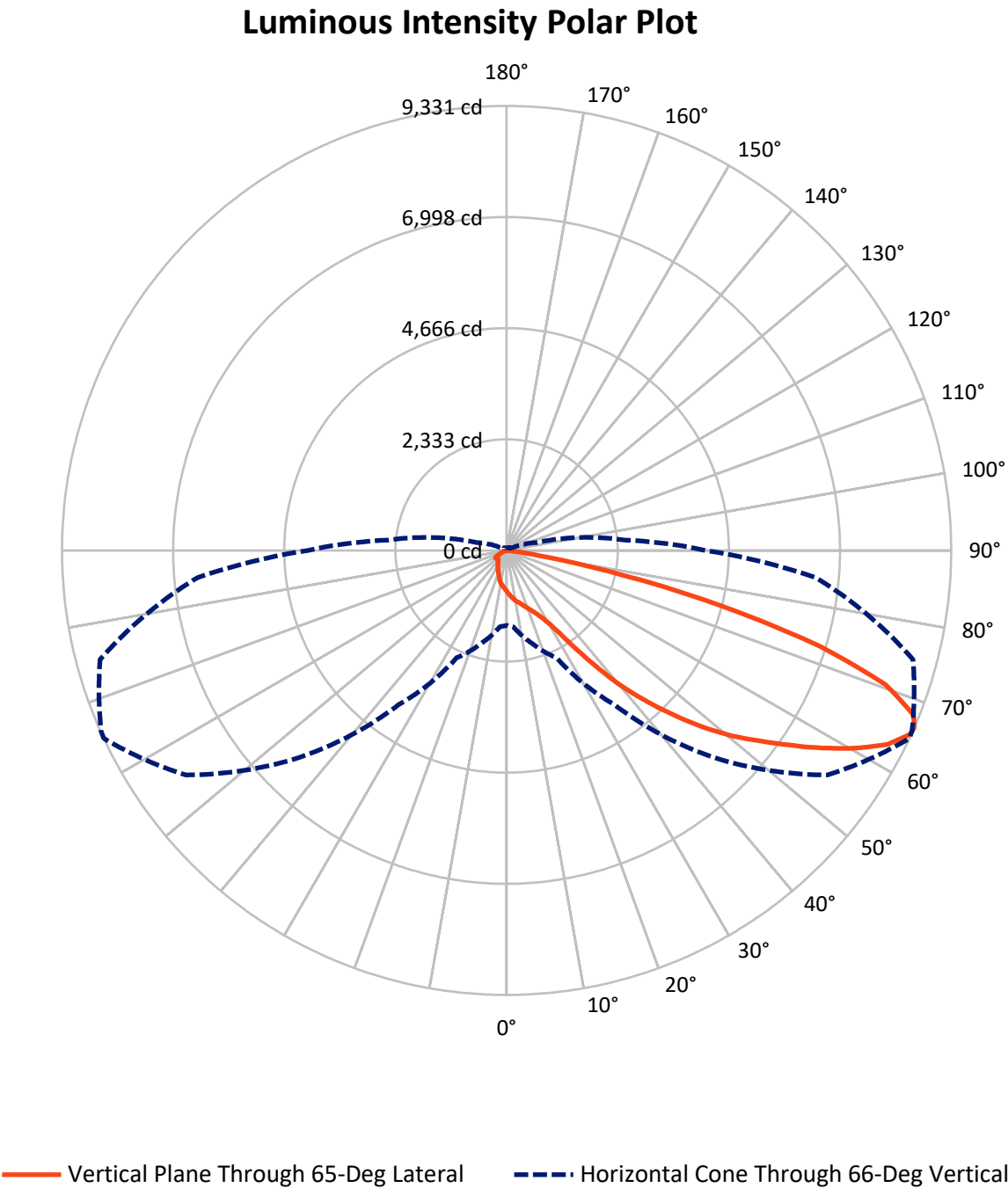


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Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1246.8	0.0	1246.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	9317.2	0.0	9317.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	10564.0	0.0	10564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	0.8
10°-20°	241.5	2.3
20°-30°	442.1	4.2
30°-40°	898.3	8.5
40°-50°	1897.0	18.0
50°-60°	2916.3	27.6
60°-70°	2935.5	27.8
70°-80°	1096.9	10.4
80°-90°	54.8	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°	10564.0	100.0
0°-180°	10564.0	100.0

Coefficient of Utilization



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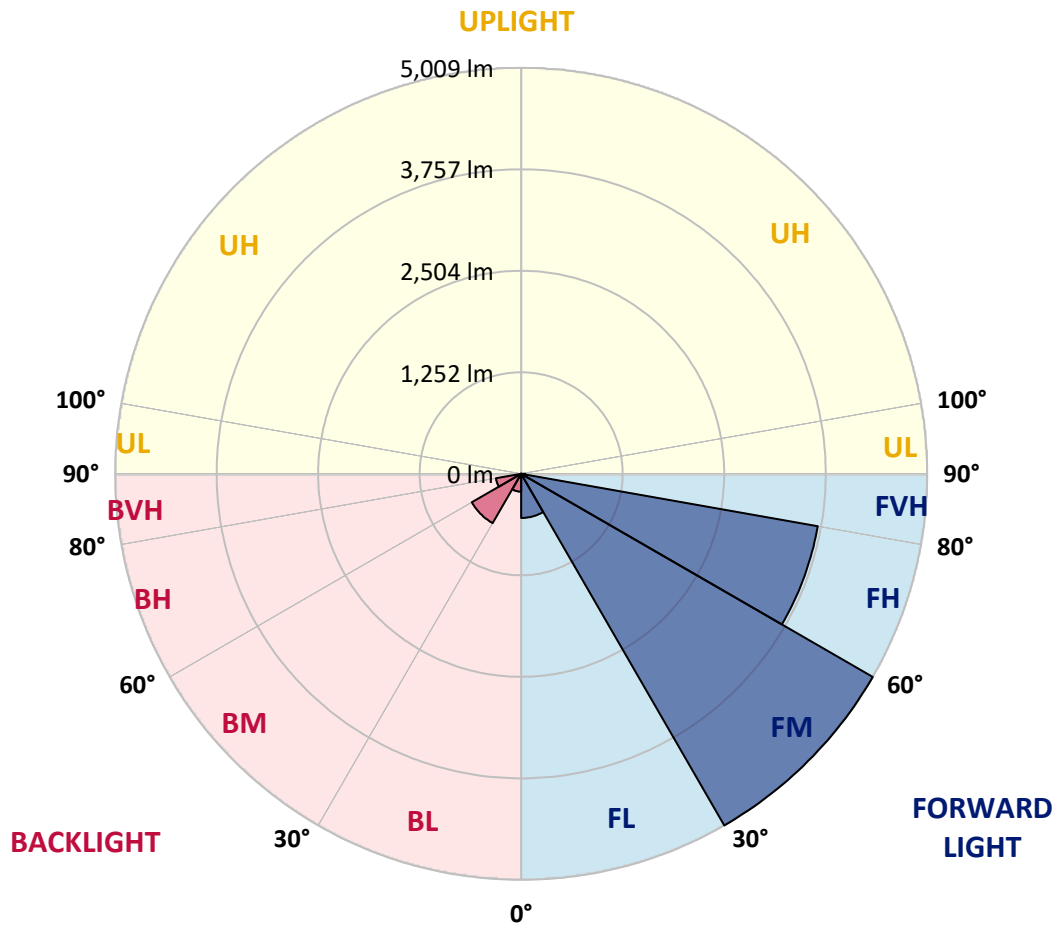
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.6	5.2			
FM	(30°-60°)	5008.7	47.4			
FH	(60°-80°)	3715.6	35.2			G2/5000
FVH	(80°-90°)	48.4	0.5			G1/100
BL	(0°-30°)	220.7	2.1	B1/500		
BM	(30°-60°)	702.9	6.7	B1/1000		
BH	(60°-80°)	316.7	3.0	B1/500		G1/500
BVH	(80°-90°)	6.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	860.7	860.7	860.7	860.7	860.7	860.7	860.7	860.7	860.7	860.7	860.7
2.5°	981.4	983.3	979.5	971.8	964.2	954.6	939.3	914.3	910.5	893.3	874.1
5°	1048.5	1052.4	1046.6	1044.7	1040.9	1027.4	1006.3	969.9	966.1	931.6	887.5
7.5°	1071.5	1077.3	1073.4	1073.4	1073.4	1067.7	1058.1	1025.5	1019.8	975.7	908.6
10°	1088.8	1092.6	1090.7	1098.4	1104.1	1100.3	1094.5	1075.4	1069.6	1025.5	937.3
12.5°	1115.6	1117.5	1119.4	1123.3	1132.9	1136.7	1134.8	1117.5	1113.7	1083.0	973.8
15°	1140.5	1140.5	1142.4	1159.7	1173.1	1180.8	1182.7	1169.3	1165.4	1140.5	1019.8
17.5°	1163.5	1165.4	1171.2	1190.4	1213.4	1228.7	1238.3	1232.5	1226.8	1207.6	1073.4
20°	1198.0	1201.9	1207.6	1234.5	1257.5	1282.4	1301.5	1299.6	1297.7	1284.3	1136.7
22.5°	1257.5	1261.3	1270.9	1295.8	1318.8	1349.5	1382.1	1380.1	1374.4	1364.8	1211.5
25°	1347.6	1347.6	1353.3	1374.4	1403.1	1439.6	1470.2	1476.0	1470.2	1464.5	1305.4
27.5°	1460.6	1462.6	1462.6	1485.6	1512.4	1558.4	1596.7	1602.5	1602.5	1596.7	1431.9
30°	1617.8	1612.1	1608.2	1627.4	1656.2	1723.3	1790.3	1801.8	1796.1	1805.7	1610.2
32.5°	1888.1	1878.5	1845.9	1849.8	1867.0	1959.0	2072.1	2112.4	2110.5	2127.7	1897.7
35°	2261.9	2242.7	2194.8	2154.5	2152.6	2252.3	2424.8	2576.3	2574.3	2633.8	2334.7
37.5°	2683.6	2708.5	2618.4	2549.4	2528.3	2606.9	2829.3	3157.1	3174.3	3277.8	2907.9
40°	3247.2	3262.5	3147.5	3049.7	2950.0	2978.8	3272.1	3782.0	3812.6	3927.6	3481.0
42.5°	3737.9	3753.2	3686.1	3567.3	3440.8	3387.1	3718.7	4349.3	4374.3	4533.4	4071.4
45°	4071.4	4082.9	4105.9	4117.4	3973.6	3862.5	4265.0	4932.1	4962.7	5146.8	4648.4
47.5°	4332.1	4341.7	4387.7	4502.7	4473.9	4385.8	4820.9	5537.8	5545.5	5750.6	5210.0
50°	4452.9	4475.9	4589.0	4765.3	4891.8	4916.7	5424.7	6110.9	6132.0	6327.5	5741.0
52.5°	4318.7	4326.3	4612.0	4943.6	5198.5	5451.5	6030.4	6641.9	6703.2	6848.9	6218.3
55°	3866.3	3921.9	4355.1	4937.8	5440.0	5959.5	6678.3	7215.0	7270.6	7362.6	6638.1
57.5°	3341.1	3402.4	3929.6	4690.5	5543.6	6429.1	7278.3	7824.6	7862.9	7887.9	7023.4
60°	2886.8	2944.3	3486.8	4217.1	5440.0	6760.8	7836.1	8430.3	8462.9	8395.8	7217.0
62.5°	2329.0	2386.5	2932.8	3590.3	5033.7	6827.8	8250.2	8969.0	8982.4	8800.3	7098.1
65°	1755.8	1794.2	2250.4	2813.9	4322.5	6471.3	8344.1	9304.4	9291.0	8917.2	6741.6
66°	1573.7	1606.3	2008.9	2488.1	3952.6	6145.4	8217.6	9331.3	9317.8	8831.0	6507.7
67.5°	1357.1	1366.7	1698.3	2035.7	3306.6	5453.5	7832.3	9208.6	9220.1	8593.3	6080.3
70°	1060.0	1058.1	1249.8	1416.6	2258.1	3879.7	6532.6	8436.1	8491.7	7696.2	5185.1
72.5°	678.6	655.6	766.7	866.4	1315.0	2252.3	4763.4	6875.8	6969.7	6045.8	3862.5
75°	404.5	381.5	408.3	433.2	630.6	1083.0	2800.5	4679.0	4769.1	3875.9	2298.3
77.5°	302.9	293.3	295.2	274.1	279.9	406.4	1278.5	2472.7	2537.9	1587.2	872.2
80°	231.9	207.0	193.6	203.2	184.0	161.0	475.4	851.1	891.3	375.7	182.1
82.5°	155.3	134.2	124.6	136.1	116.9	90.1	115.0	164.8	161.0	101.6	70.9
85°	80.5	69.0	69.0	69.0	59.4	44.1	49.8	67.1	67.1	53.7	42.2
87.5°	23.0	21.1	24.9	23.0	17.3	17.3	19.2	23.0	23.0	21.1	19.2
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°	860.7	860.7	860.7	860.7	860.7	860.7	860.7	860.7	860.7	860.7	860.7
2.5°	858.8	851.1	830.0	814.7	799.3	785.9	770.6	766.7	759.1	761.0	757.2
5°	864.5	843.4	807.0	772.5	745.7	722.7	693.9	682.4	667.1	661.3	657.5
7.5°	872.2	841.5	787.8	739.9	693.9	647.9	601.9	575.1	557.8	550.1	544.4
10°	889.4	849.2	778.2	703.5	624.9	559.7	513.7	494.5	483.0	481.1	479.2
12.5°	912.4	860.7	768.7	657.5	554.0	492.6	463.9	458.1	456.2	456.2	454.3
15°	946.9	879.8	753.3	603.8	498.4	456.2	442.8	433.2	429.4	429.4	429.4
17.5°	981.4	902.8	730.3	548.2	460.0	433.2	419.8	414.0	410.2	412.1	410.2
20°	1025.5	929.7	699.7	500.3	435.1	414.0	400.6	394.9	393.0	393.0	393.0
22.5°	1075.4	960.3	661.3	463.9	414.0	394.9	381.5	375.7	371.9	373.8	373.8
25°	1142.4	998.7	621.1	427.5	393.0	375.7	360.4	352.7	352.7	354.6	356.5
27.5°	1228.7	1044.7	580.8	404.5	373.8	356.5	339.3	331.6	333.5	337.4	337.4
30°	1355.2	1107.9	540.6	379.5	352.7	333.5	318.2	310.5	314.4	322.0	322.0
32.5°	1535.4	1211.5	506.1	350.8	322.0	300.9	285.6	279.9	289.4	304.8	304.8
35°	1857.4	1401.2	485.0	322.0	289.4	264.5	245.4	239.6	253.0	272.2	272.2
37.5°	2288.7	1706.0	492.6	297.1	262.6	233.9	212.8	205.1	214.7	231.9	237.7
40°	2769.9	2074.0	559.7	276.0	237.7	208.9	187.9	180.2	185.9	193.6	195.5
42.5°	3251.0	2465.1	686.2	260.7	218.5	187.9	168.7	162.9	166.8	168.7	170.6
45°	3730.2	2852.3	845.3	251.1	201.3	170.6	151.4	151.4	153.3	153.3	153.3
47.5°	4184.5	3229.9	1012.1	249.2	185.9	153.3	138.0	139.9	139.9	141.8	141.8
50°	4613.9	3567.3	1180.8	254.9	172.5	138.0	126.5	126.5	126.5	128.4	126.5
52.5°	4972.3	3862.5	1357.1	264.5	159.1	126.5	115.0	115.0	115.0	116.9	115.0
55°	5311.6	4130.8	1537.3	277.9	147.6	116.9	105.4	101.6	101.6	103.5	101.6
57.5°	5587.6	4309.1	1707.9	279.9	138.0	107.3	97.8	92.0	92.0	92.0	92.0
60°	5599.1	4205.6	1757.8	245.4	126.5	97.8	88.2	80.5	82.4	82.4	82.4
62.5°	5233.0	3661.2	1412.7	184.0	113.1	88.2	80.5	72.8	72.8	72.8	72.8
65°	4514.2	2848.4	828.1	145.7	97.8	78.6	70.9	65.2	65.2	65.2	63.3
66°	4176.8	2497.7	634.5	132.3	92.0	76.7	69.0	63.3	61.3	59.4	59.4
67.5°	3626.7	1974.4	396.8	116.9	84.3	70.9	63.3	57.5	55.6	53.7	53.7
70°	2731.5	1253.6	193.6	90.1	72.8	61.3	55.6	49.8	47.9	46.0	44.1
72.5°	1916.9	734.2	101.6	69.0	59.4	53.7	47.9	42.2	40.3	38.3	38.3
75°	1083.0	354.6	67.1	49.8	47.9	44.1	40.3	34.5	32.6	32.6	32.6
77.5°	410.2	122.7	46.0	36.4	38.3	34.5	28.8	28.8	26.8	28.8	26.8
80°	107.3	53.7	28.8	26.8	28.8	24.9	21.1	23.0	23.0	23.0	23.0
82.5°	57.5	30.7	17.3	19.2	17.3	17.3	13.4	15.3	17.3	15.3	17.3
85°	40.3	15.3	9.6	9.6	7.7	7.7	5.8	7.7	9.6	7.7	7.7
87.5°	21.1	5.8	5.8	5.8	5.8	3.8	1.9	0.0	1.9	1.9	1.9
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)