

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: P1211350

Luminaire Tested: **ARCH4-250-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211350
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: ARCH4-250-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 975mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

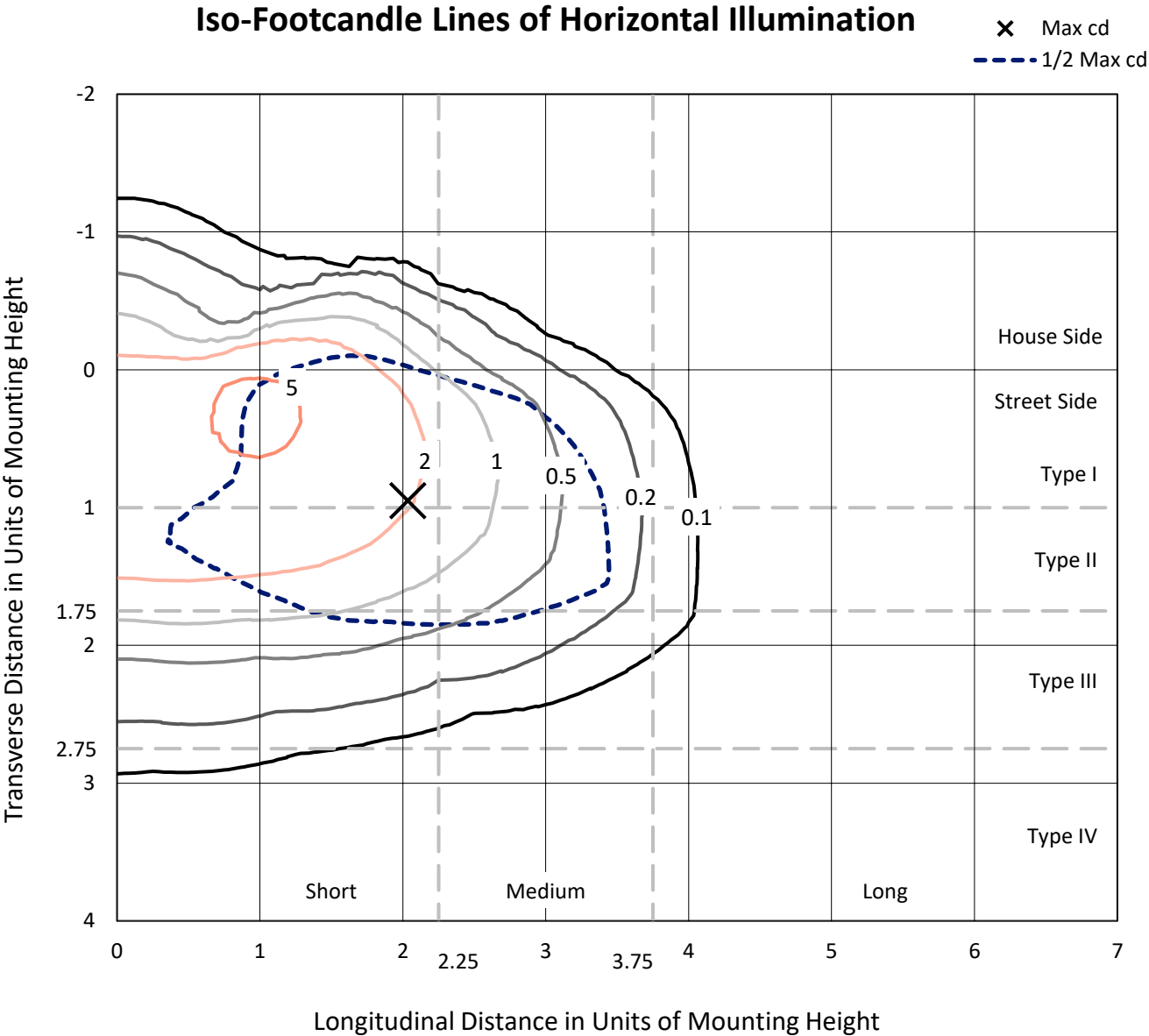
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22112 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 249.5
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

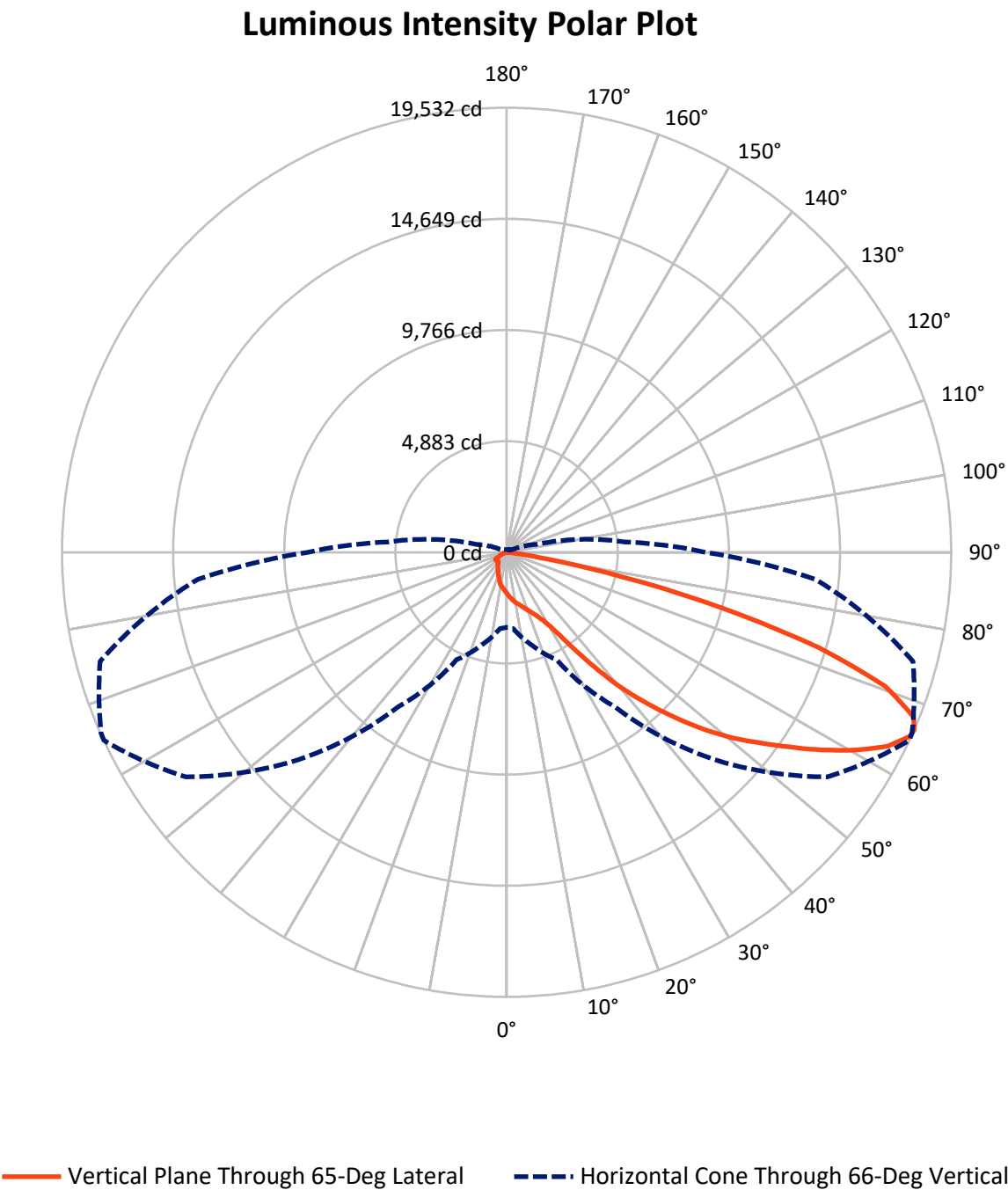


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Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2609.7	0.0	2609.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	19502.3	0.0	19502.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	22112.0	0.0	22112.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	0.8
10°-20°	505.6	2.3
20°-30°	925.4	4.2
30°-40°	1880.3	8.5
40°-50°	3970.7	18.0
50°-60°	6104.3	27.6
60°-70°	6144.4	27.8
70°-80°	2295.9	10.4
80°-90°	114.7	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°	22112.0	100.0
0°-180°	22112.0	100.0

Coefficient of Utilization



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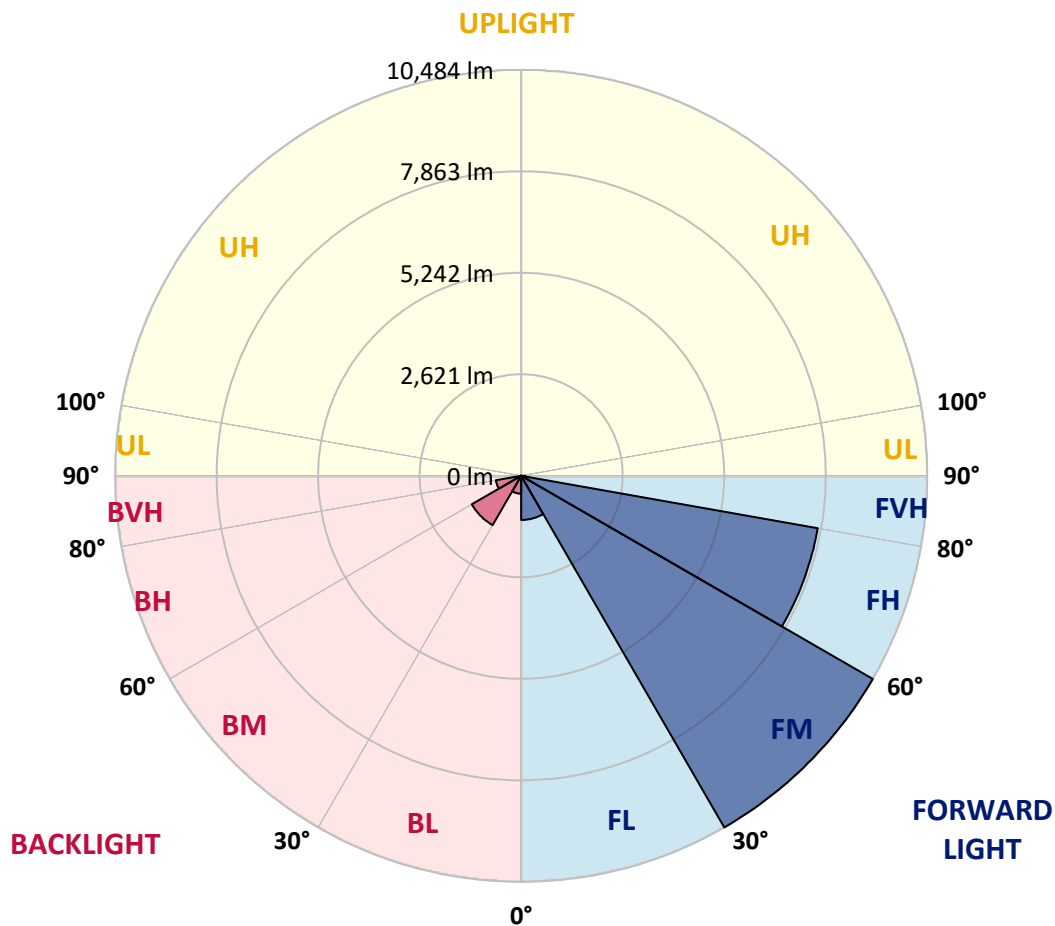
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1139.8	5.2			
FM	(30°-60°)	10484.0	47.4			
FH	(60°-80°)	7777.3	35.2			G4/12000
FVH	(80°-90°)	101.2	0.5			G2/225
BL	(0°-30°)	461.9	2.1	B1/500		
BM	(30°-60°)	1471.4	6.7	B2/2500		
BH	(60°-80°)	662.9	3.0	B2/1000		G2/1000
BVH	(80°-90°)	13.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5
2.5°	2054.3	2058.3	2050.3	2034.2	2018.2	1998.1	1966.0	1913.8	1905.8	1869.7	1829.6
5°	2194.7	2202.7	2190.7	2186.7	2178.7	2150.6	2106.4	2030.2	2022.2	1950.0	1857.7
7.5°	2242.9	2254.9	2246.9	2246.9	2246.9	2234.8	2214.8	2146.6	2134.5	2042.2	1901.8
10°	2279.0	2287.0	2283.0	2299.0	2311.1	2303.0	2291.0	2250.9	2238.8	2146.6	1962.0
12.5°	2335.1	2339.1	2343.2	2351.2	2371.2	2379.3	2375.3	2339.1	2331.1	2266.9	2038.2
15°	2387.3	2387.3	2391.3	2427.4	2455.5	2471.6	2475.6	2447.5	2439.5	2387.3	2134.5
17.5°	2435.4	2439.5	2451.5	2491.6	2539.8	2571.9	2591.9	2579.9	2567.8	2527.7	2246.9
20°	2507.7	2515.7	2527.7	2583.9	2632.0	2684.2	2724.3	2720.3	2716.3	2688.2	2379.3
22.5°	2632.0	2640.1	2660.1	2712.3	2760.4	2824.6	2892.8	2888.8	2876.8	2856.7	2535.7
25°	2820.6	2820.6	2832.7	2876.8	2937.0	3013.2	3077.4	3089.4	3077.4	3065.4	2732.4
27.5°	3057.3	3061.4	3061.4	3109.5	3165.7	3262.0	3342.2	3354.3	3354.3	3342.2	2997.2
30°	3386.3	3374.3	3366.3	3406.4	3466.6	3607.0	3747.5	3771.5	3759.5	3779.6	3370.3
32.5°	3952.1	3932.0	3863.8	3871.8	3907.9	4100.5	4337.3	4421.5	4417.5	4453.6	3972.1
35°	4734.5	4694.3	4594.0	4509.8	4505.8	4714.4	5075.5	5392.5	5388.5	5512.8	4886.9
37.5°	5617.2	5669.3	5480.8	5336.3	5292.2	5456.7	5922.1	6608.2	6644.3	6861.0	6086.6
40°	6796.8	6828.9	6588.1	6383.5	6174.9	6235.1	6848.9	7916.2	7980.4	8221.1	7286.3
42.5°	7823.9	7856.0	7715.6	7466.8	7202.0	7089.7	7783.8	9103.8	9156.0	9489.0	8522.0
45°	8522.0	8546.1	8594.3	8618.3	8317.4	8084.7	8927.3	10323.6	10387.7	10772.9	9729.7
47.5°	9067.7	9087.8	9184.1	9424.8	9364.6	9180.1	10090.8	11591.4	11607.5	12036.8	10905.3
50°	9320.5	9368.6	9605.4	9974.5	10239.3	10291.5	11354.7	12791.1	12835.2	13244.5	12016.7
52.5°	9039.6	9055.7	9653.5	10347.6	10881.3	11410.9	12622.6	13902.5	14030.9	14335.8	13015.8
55°	8092.7	8209.1	9115.9	10335.6	11386.8	12474.1	13978.7	15102.2	15218.5	15411.1	13894.5
57.5°	6993.4	7121.8	8225.1	9818.0	11603.5	13457.1	15234.6	16378.1	16458.3	16510.5	14700.9
60°	6042.5	6162.8	7298.3	8827.0	11386.8	14151.2	16402.1	17645.9	17714.1	17573.7	15106.2
62.5°	4874.9	4995.3	6138.8	7515.0	10536.2	14291.7	17268.8	18773.4	18801.5	18420.3	14857.4
65°	3675.2	3755.5	4710.4	5890.0	9047.7	13545.4	17465.4	19475.5	19447.4	18665.0	14111.1
66°	3294.1	3362.3	4204.9	5207.9	8273.3	12863.3	17200.6	19531.7	19503.6	18484.5	13621.6
67.5°	2840.7	2860.7	3554.9	4261.0	6921.2	11414.9	16394.1	19274.9	19299.0	17987.0	12726.9
70°	2218.8	2214.8	2616.0	2965.1	4726.4	8120.8	13673.8	17658.0	17774.3	16109.2	10853.2
72.5°	1420.3	1372.2	1604.9	1813.5	2752.4	4714.4	9970.5	14392.0	14588.6	12654.7	8084.7
75°	846.6	798.4	854.6	906.8	1320.0	2266.9	5861.9	9793.9	9982.5	8112.8	4810.7
77.5°	633.9	613.9	617.9	573.8	585.8	850.6	2676.2	5175.8	5312.2	3322.2	1825.6
80°	485.5	433.3	405.2	425.3	385.2	337.0	995.0	1781.4	1865.7	786.4	381.2
82.5°	325.0	280.9	260.8	284.9	244.7	188.6	240.7	345.1	337.0	212.6	148.5
85°	168.5	144.4	144.4	144.4	124.4	92.3	104.3	140.4	140.4	112.3	88.3
87.5°	48.1	44.1	52.2	48.1	36.1	36.1	40.1	48.1	48.1	44.1	40.1
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°	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5
2.5°	1797.5	1781.4	1737.3	1705.2	1673.1	1645.0	1612.9	1604.9	1588.9	1592.9	1584.8
5°	1809.5	1765.4	1689.2	1616.9	1560.8	1512.6	1452.4	1428.4	1396.3	1384.2	1376.2
7.5°	1825.6	1761.4	1649.0	1548.7	1452.4	1356.1	1259.9	1203.7	1167.6	1151.5	1139.5
10°	1861.7	1777.4	1629.0	1472.5	1308.0	1171.6	1075.3	1035.2	1011.1	1007.1	1003.1
12.5°	1909.8	1801.5	1608.9	1376.2	1159.5	1031.2	971.0	958.9	954.9	954.9	950.9
15°	1982.1	1841.6	1576.8	1263.9	1043.2	954.9	926.8	906.8	898.7	898.7	898.7
17.5°	2054.3	1889.8	1528.7	1147.5	962.9	906.8	878.7	866.6	858.6	862.6	858.6
20°	2146.6	1945.9	1464.5	1047.2	910.8	866.6	838.6	826.5	822.5	822.5	822.5
22.5°	2250.9	2010.1	1384.2	971.0	866.6	826.5	798.4	786.4	778.4	782.4	782.4
25°	2391.3	2090.4	1300.0	894.7	822.5	786.4	754.3	738.3	738.3	742.3	746.3
27.5°	2571.9	2186.7	1215.7	846.6	782.4	746.3	710.2	694.1	698.1	706.2	706.2
30°	2836.7	2319.1	1131.5	794.4	738.3	698.1	666.0	650.0	658.0	674.1	674.1
32.5°	3213.8	2535.7	1059.2	734.2	674.1	629.9	597.8	585.8	605.9	637.9	637.9
35°	3887.9	2933.0	1015.1	674.1	605.9	553.7	513.6	501.5	529.6	569.7	569.7
37.5°	4790.6	3570.9	1031.2	621.9	549.7	489.5	445.4	429.3	449.4	485.5	497.5
40°	5797.7	4341.3	1171.6	577.8	497.5	437.3	393.2	377.2	389.2	405.2	409.3
42.5°	6804.8	5159.8	1436.4	545.7	457.4	393.2	353.1	341.0	349.1	353.1	357.1
45°	7807.9	5970.2	1769.4	525.6	421.3	357.1	317.0	317.0	321.0	321.0	321.0
47.5°	8758.8	6760.7	2118.5	521.6	389.2	321.0	288.9	292.9	292.9	296.9	296.9
50°	9657.5	7466.8	2471.6	533.6	361.1	288.9	264.8	264.8	264.8	268.8	264.8
52.5°	10407.8	8084.7	2840.7	553.7	333.0	264.8	240.7	240.7	240.7	244.7	240.7
55°	11118.0	8646.4	3217.8	581.8	308.9	244.7	220.7	212.6	212.6	216.7	212.6
57.5°	11695.7	9019.6	3574.9	585.8	288.9	224.7	204.6	192.6	192.6	192.6	192.6
60°	11719.8	8802.9	3679.2	513.6	264.8	204.6	184.6	168.5	172.5	172.5	172.5
62.5°	10953.5	7663.4	2957.0	385.2	236.7	184.6	168.5	152.5	152.5	152.5	152.5
65°	9448.9	5962.2	1733.3	304.9	204.6	164.5	148.5	136.4	136.4	136.4	132.4
66°	8742.7	5228.0	1328.1	276.8	192.6	160.5	144.4	132.4	128.4	124.4	124.4
67.5°	7591.2	4132.6	830.5	244.7	176.5	148.5	132.4	120.4	116.4	112.3	112.3
70°	5717.5	2624.0	405.2	188.6	152.5	128.4	116.4	104.3	100.3	96.3	92.3
72.5°	4012.3	1536.7	212.6	144.4	124.4	112.3	100.3	88.3	84.3	80.2	80.2
75°	2266.9	742.3	140.4	104.3	100.3	92.3	84.3	72.2	68.2	68.2	68.2
77.5°	858.6	256.8	96.3	76.2	80.2	72.2	60.2	60.2	56.2	60.2	56.2
80°	224.7	112.3	60.2	56.2	60.2	52.2	44.1	48.1	48.1	48.1	48.1
82.5°	120.4	64.2	36.1	40.1	36.1	36.1	28.1	32.1	36.1	32.1	36.1
85°	84.3	32.1	20.1	20.1	16.0	16.0	12.0	16.0	20.1	16.0	16.0
87.5°	44.1	12.0	12.0	12.0	12.0	8.0	4.0	0.0	4.0	4.0	4.0
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)