

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: P1210232

Luminaire Tested: **ARCH2-60-727-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210232
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: ARCH2-60-727-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6277 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

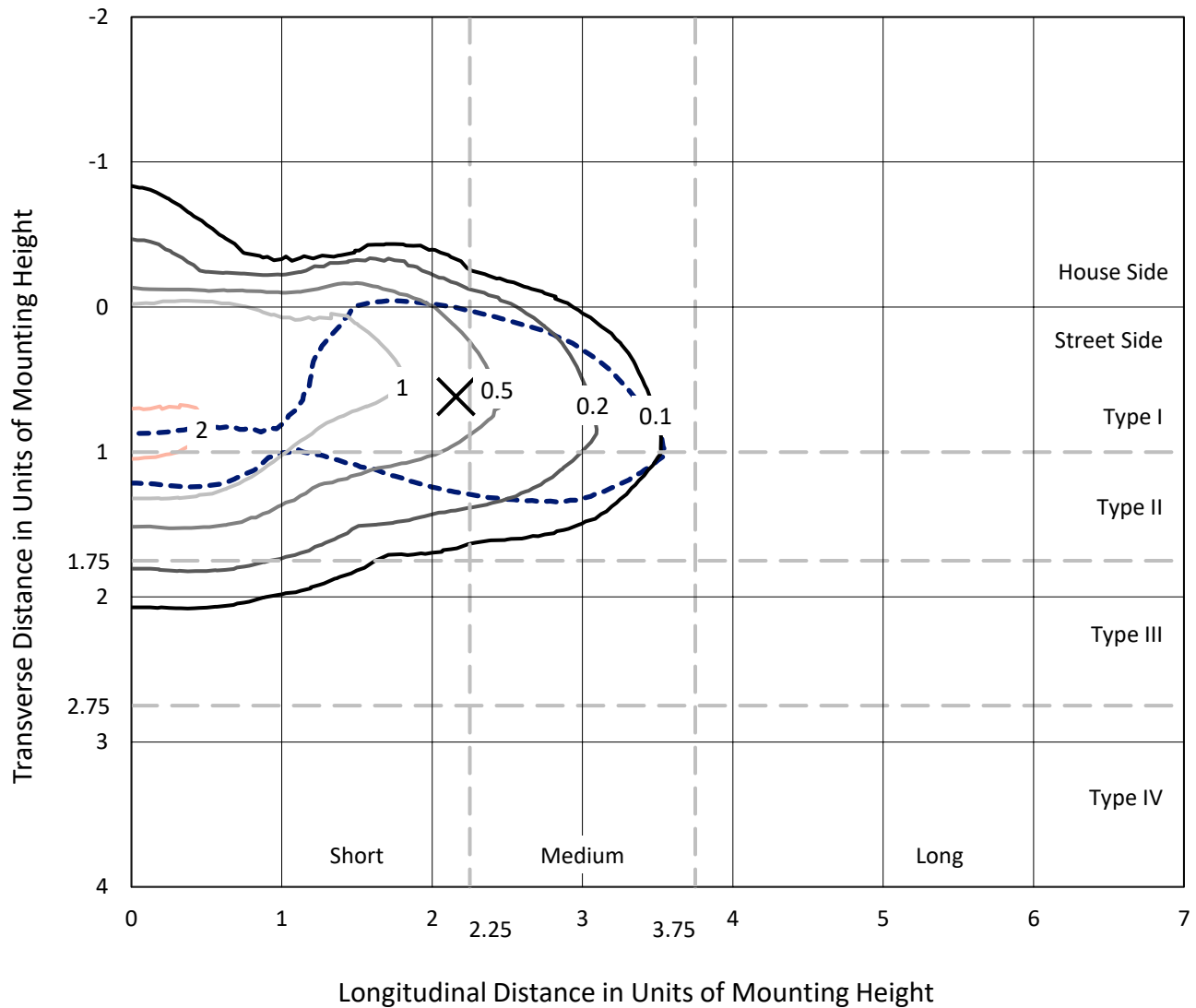
Input Watts (W): 63.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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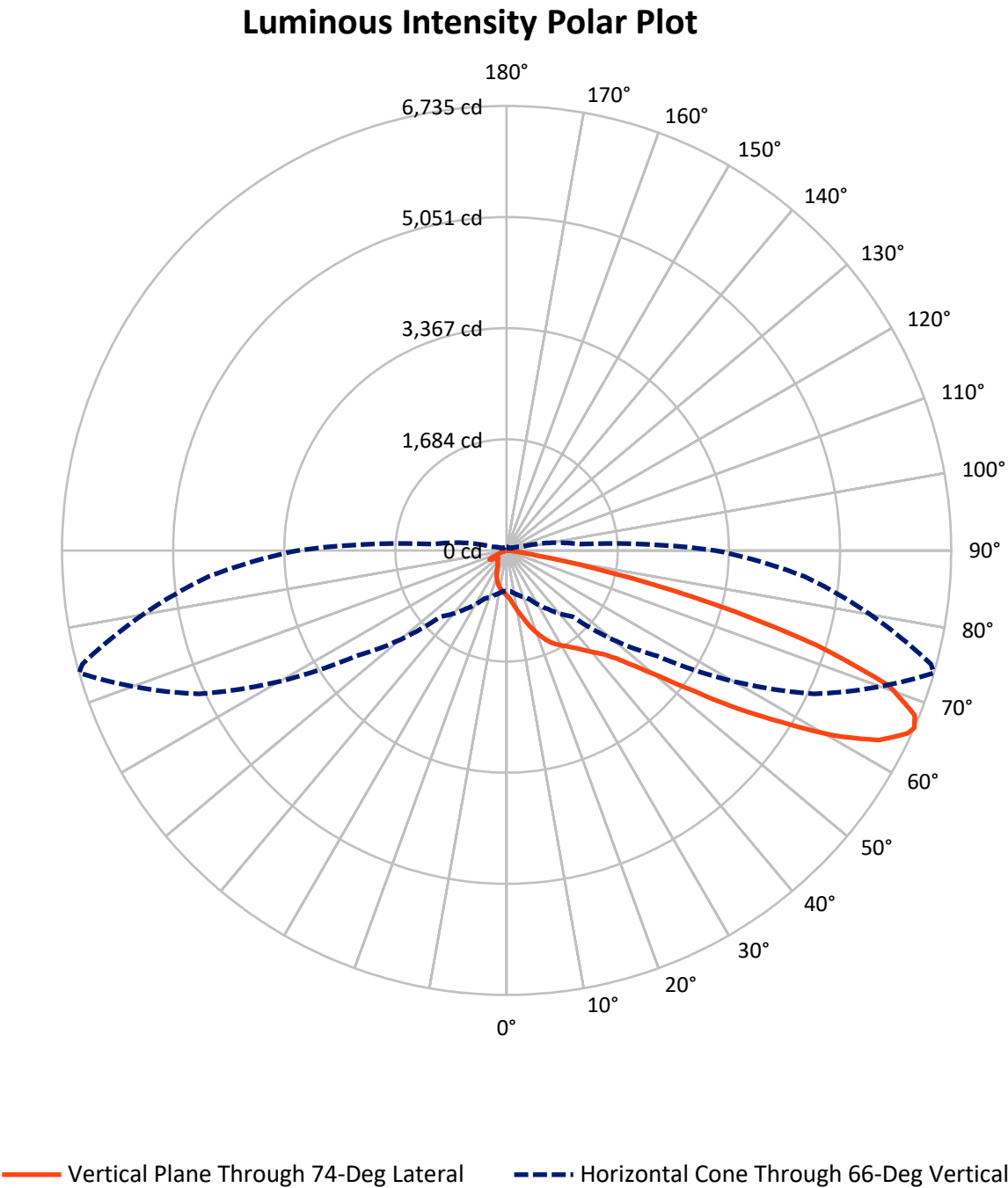
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	615.3	0.0	615.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5661.7	0.0	5661.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	6277.0	0.0	6277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	1.1
10°-20°	214.4	3.4
20°-30°	409.2	6.5
30°-40°	717.2	11.4
40°-50°	1229.8	19.6
50°-60°	1599.4	25.5
60°-70°	1447.9	23.1
70°-80°	558.7	8.9
80°-90°	33.6	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°	6277.0	100.0
0°-180°	6277.0	100.0

Coefficient of Utilization



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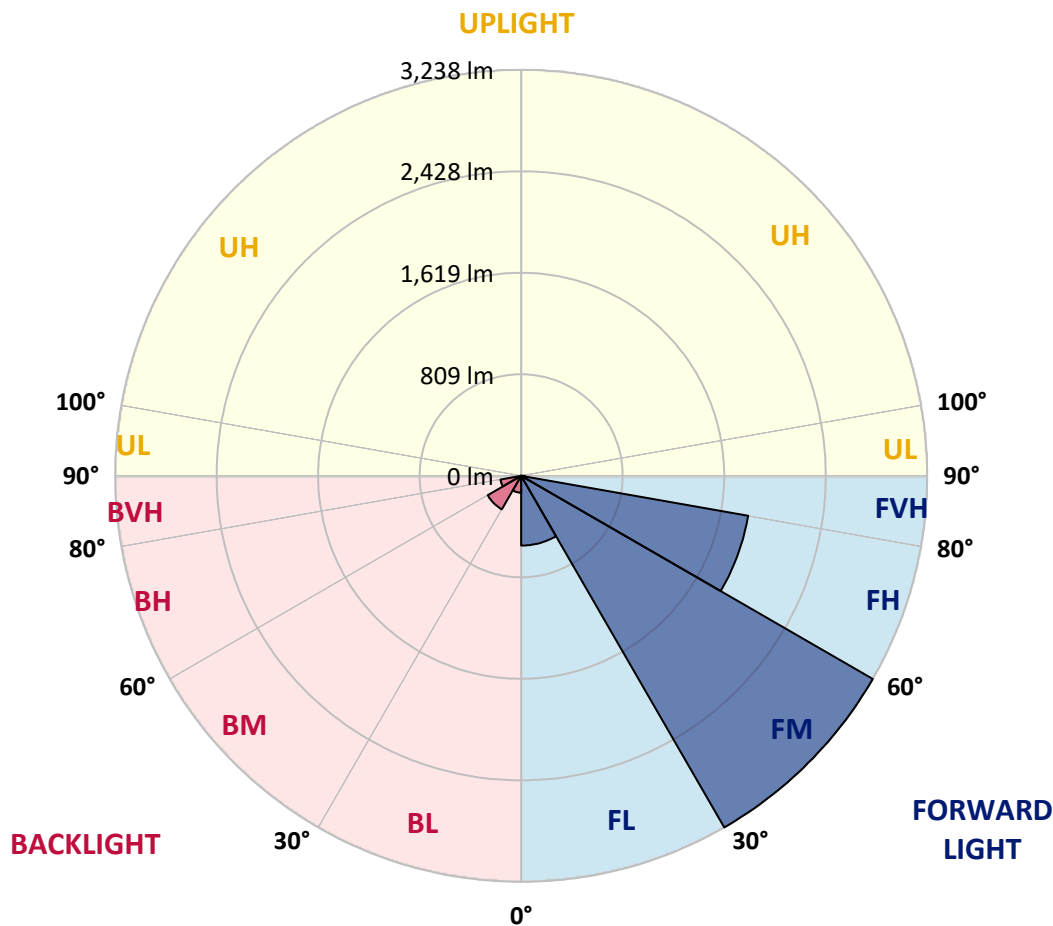
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	556.2	8.9			
FM	(30°-60°)	3238.0	51.6			
FH	(60°-80°)	1838.3	29.3			G2/5000
FVH	(80°-90°)	29.1	0.5			G1/100
BL	(0°-30°)	134.2	2.1	B1/500		
BM	(30°-60°)	308.4	4.9	B1/1000		
BH	(60°-80°)	168.2	2.7	B1/500		G1/500
BVH	(80°-90°)	4.5	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2
2.5°	822.7	815.9	803.5	802.4	792.2	779.9	758.4	735.9	720.1	717.9	698.7
5°	985.0	981.6	969.2	961.3	942.1	912.8	863.2	813.7	772.0	767.5	724.6
7.5°	1027.8	1030.0	1032.3	1040.2	1033.4	1019.9	982.7	912.8	847.5	837.3	762.9
10°	1034.5	1032.3	1032.3	1042.4	1061.6	1080.8	1076.2	1016.5	932.0	919.6	815.9
12.5°	1107.8	1111.2	1103.3	1098.8	1095.4	1105.5	1139.4	1113.4	1021.0	1010.9	880.2
15°	1202.5	1201.3	1190.1	1190.1	1179.9	1163.0	1184.4	1203.6	1128.1	1115.7	953.4
17.5°	1271.2	1275.7	1274.6	1281.3	1278.0	1255.4	1244.2	1283.6	1238.5	1222.7	1036.8
20°	1326.4	1338.8	1343.3	1364.7	1374.9	1359.1	1329.8	1354.6	1344.5	1329.8	1121.3
22.5°	1385.0	1395.2	1403.1	1440.2	1468.4	1465.0	1427.9	1422.2	1447.0	1433.5	1204.7
25°	1443.6	1448.1	1471.8	1516.9	1562.0	1573.2	1534.9	1491.0	1539.4	1527.0	1279.1
27.5°	1507.9	1510.1	1538.3	1593.5	1656.6	1680.3	1649.9	1568.7	1610.4	1610.4	1346.7
30°	1625.1	1647.6	1658.9	1708.5	1763.7	1796.4	1760.3	1651.0	1673.5	1683.7	1417.7
32.5°	1877.5	1880.9	1877.5	1898.9	1910.2	1929.3	1887.7	1743.4	1737.8	1749.0	1487.6
35°	2262.9	2249.4	2213.3	2181.8	2116.4	2080.4	2026.3	1861.7	1816.7	1832.4	1556.3
37.5°	2730.6	2711.5	2629.2	2532.3	2392.5	2248.3	2180.7	2006.0	1917.0	1937.2	1630.7
40°	3176.9	3164.5	3066.4	2947.0	2708.1	2461.3	2318.1	2127.7	2028.5	2036.4	1706.2
42.5°	3544.3	3542.0	3459.8	3334.7	3028.1	2691.2	2480.4	2247.1	2145.7	2158.1	1785.1
45°	3822.6	3801.2	3740.4	3650.2	3338.0	2930.1	2676.5	2428.6	2333.9	2348.6	1903.4
47.5°	3822.6	3826.0	3865.5	3856.4	3554.4	3154.3	2890.6	2657.4	2612.3	2625.8	2098.4
50°	3511.6	3543.1	3719.0	3866.6	3667.1	3329.0	3121.7	2943.6	2989.8	3010.1	2438.7
52.5°	2896.3	2949.2	3254.6	3591.6	3583.7	3416.9	3360.6	3307.6	3515.0	3551.0	2941.4
55°	2200.9	2235.9	2633.7	3076.6	3220.8	3344.8	3569.1	3769.7	4210.3	4202.4	3451.9
57.5°	1644.2	1676.9	2019.5	2510.9	2701.3	3032.6	3676.1	4298.2	4900.0	4930.4	3930.8
60°	1209.2	1234.0	1525.9	1929.3	2204.3	2554.8	3633.3	4818.9	5694.5	5659.6	4353.4
62.5°	894.8	908.3	1119.1	1381.6	1746.8	2081.5	3364.0	5175.0	6329.0	6258.0	4589.0
65°	692.0	696.5	805.8	945.5	1270.1	1618.3	2962.8	5229.1	6679.5	6604.0	4584.5
66°	616.4	619.8	699.8	808.0	1080.8	1416.6	2787.0	5142.3	6734.7	6654.7	4528.1
67.5°	517.3	515.0	562.4	633.3	811.4	1093.1	2474.8	4888.7	6669.3	6628.8	4347.8
70°	383.2	384.3	408.0	424.9	474.4	605.2	1787.4	4240.7	6146.4	6144.2	3853.1
72.5°	284.0	287.4	305.4	308.8	296.4	327.9	1030.0	3373.0	4916.9	4918.0	2880.5
75°	213.0	218.6	224.3	226.5	215.2	207.4	465.4	2269.7	3234.4	3210.7	1630.7
77.5°	162.3	164.5	169.0	165.7	163.4	143.1	193.8	1106.7	1596.9	1454.9	528.5
80°	118.3	118.3	122.8	118.3	117.2	102.6	105.9	355.0	468.8	389.9	113.8
82.5°	74.4	73.3	76.6	75.5	73.3	65.4	62.0	99.2	108.2	96.9	55.2
85°	41.7	40.6	39.4	38.3	34.9	29.3	33.8	37.2	49.6	50.7	39.4
87.5°	14.7	14.7	13.5	12.4	10.1	10.1	12.4	12.4	18.0	18.0	20.3
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°	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2
2.5°	689.7	677.3	659.3	635.6	618.7	601.8	583.8	573.6	559.0	555.6	560.1
5°	702.1	679.6	634.5	584.9	542.1	503.7	467.7	446.3	424.9	417.0	420.4
7.5°	728.0	689.7	613.1	533.0	462.1	404.6	361.8	337.0	317.8	309.9	312.2
10°	766.3	707.7	592.8	474.4	383.2	322.3	286.2	270.5	259.2	254.7	255.8
12.5°	812.5	733.6	566.9	415.8	315.5	262.6	245.7	242.3	240.0	237.8	238.9
15°	864.4	756.2	536.4	358.4	262.6	233.3	227.6	226.5	225.4	225.4	225.4
17.5°	918.5	776.5	502.6	304.3	228.8	215.2	211.9	211.9	211.9	213.0	213.0
20°	969.2	792.2	463.2	255.8	209.6	198.3	196.1	196.1	197.2	198.3	198.3
22.5°	1018.8	799.0	417.0	222.0	193.8	183.7	180.3	180.3	180.3	181.4	181.4
25°	1061.6	799.0	370.8	200.6	180.3	170.2	165.7	164.5	165.7	165.7	165.7
27.5°	1097.7	795.6	325.7	185.9	166.8	156.6	152.1	151.0	153.3	154.4	154.4
30°	1136.0	791.1	289.6	172.4	155.5	145.4	140.9	140.9	144.3	148.8	148.8
32.5°	1173.2	794.5	261.5	161.2	144.3	136.4	131.9	133.0	139.7	146.5	146.5
35°	1212.6	801.3	244.5	153.3	136.4	128.5	125.1	128.5	135.2	142.0	142.0
37.5°	1252.0	809.2	234.4	146.5	129.6	121.7	119.5	124.0	131.9	138.6	139.7
40°	1293.7	815.9	223.1	139.7	125.1	116.1	114.9	119.5	129.6	136.4	137.5
42.5°	1345.6	829.4	209.6	134.1	120.6	109.3	110.4	113.8	124.0	134.1	135.2
45°	1447.0	872.3	196.1	128.5	114.9	105.9	103.7	105.9	117.2	128.5	130.7
47.5°	1637.5	969.2	181.4	122.8	109.3	103.7	94.7	96.9	107.1	119.5	120.6
50°	2002.6	1175.4	173.6	117.2	104.8	95.8	85.6	85.6	93.5	104.8	104.8
52.5°	2571.7	1545.1	178.1	112.7	99.2	87.9	77.8	76.6	81.1	89.0	89.0
55°	3185.9	1950.8	195.0	108.2	92.4	83.4	72.1	66.5	69.9	74.4	74.4
57.5°	3672.7	2154.7	241.2	105.9	84.5	80.0	65.4	57.5	60.9	65.4	65.4
60°	3886.9	2035.3	293.0	108.2	78.9	74.4	58.6	50.7	56.3	60.9	62.0
62.5°	3713.3	1675.8	314.4	102.6	71.0	66.5	57.5	47.3	54.1	57.5	58.6
65°	3338.0	1273.5	245.7	89.0	65.4	57.5	51.8	45.1	50.7	54.1	54.1
66°	3160.0	1110.1	209.6	82.3	63.1	54.1	49.6	45.1	49.6	51.8	53.0
67.5°	2883.9	875.6	155.5	72.1	58.6	49.6	46.2	42.8	47.3	49.6	49.6
70°	2255.0	521.8	93.5	56.3	50.7	44.0	41.7	39.4	42.8	44.0	44.0
72.5°	1412.1	247.9	59.7	41.7	42.8	41.7	34.9	37.2	38.3	39.4	39.4
75°	684.1	98.0	40.6	30.4	34.9	39.4	28.2	32.7	33.8	36.1	34.9
77.5°	190.5	47.3	25.9	22.5	30.4	30.4	21.4	25.9	30.4	38.3	34.9
80°	55.2	30.4	16.9	16.9	21.4	21.4	14.7	18.0	20.3	22.5	23.7
82.5°	38.3	20.3	11.3	12.4	12.4	13.5	9.0	9.0	11.3	11.3	12.4
85°	30.4	9.0	6.8	7.9	5.6	6.8	4.5	4.5	5.6	4.5	4.5
87.5°	12.4	4.5	4.5	4.5	3.4	3.4	2.3	1.1	1.1	1.1	1.1
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)