

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: P1211604

Luminaire Tested: **ARCH4-60-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211604
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: ARCH4-60-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6734 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

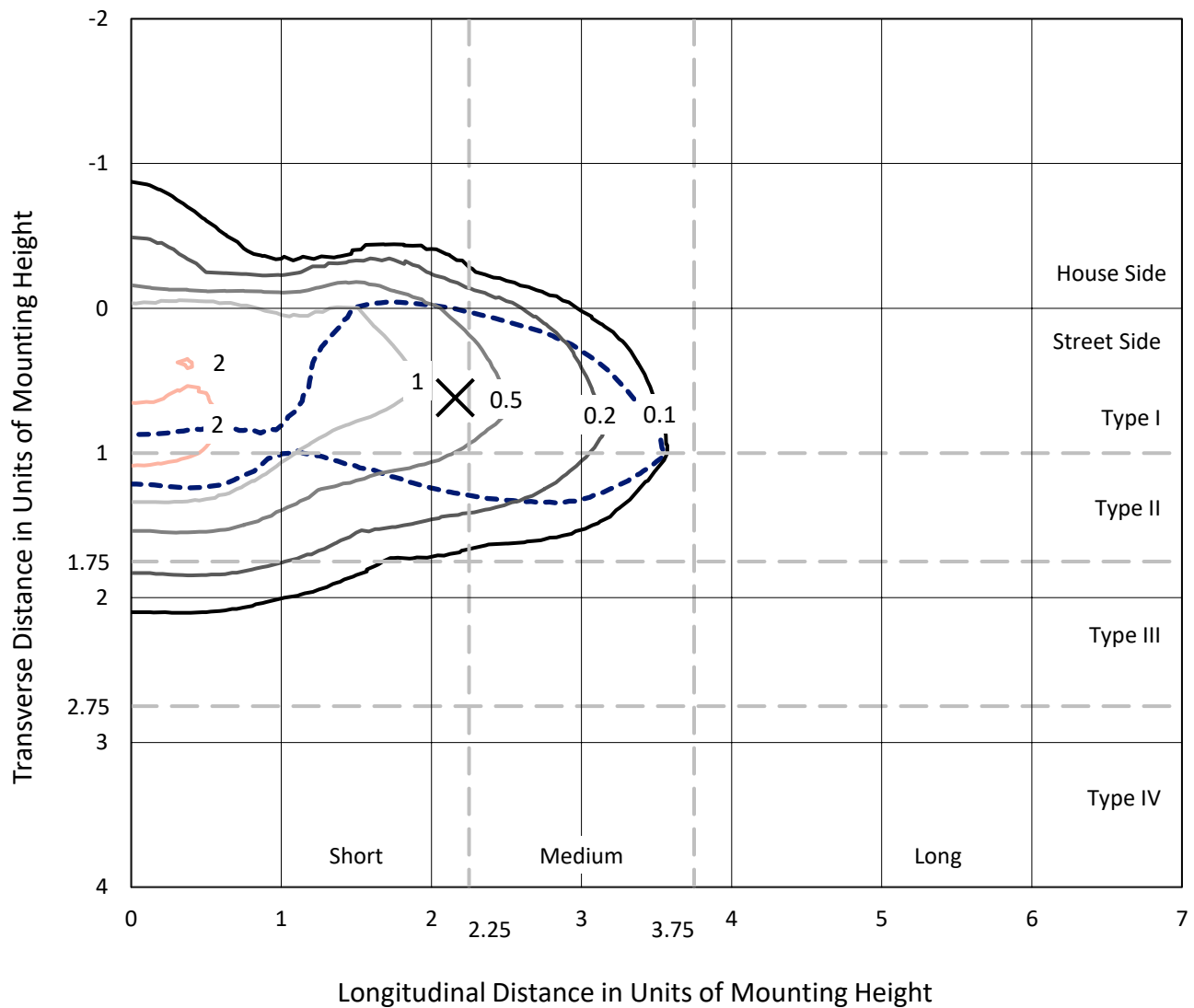
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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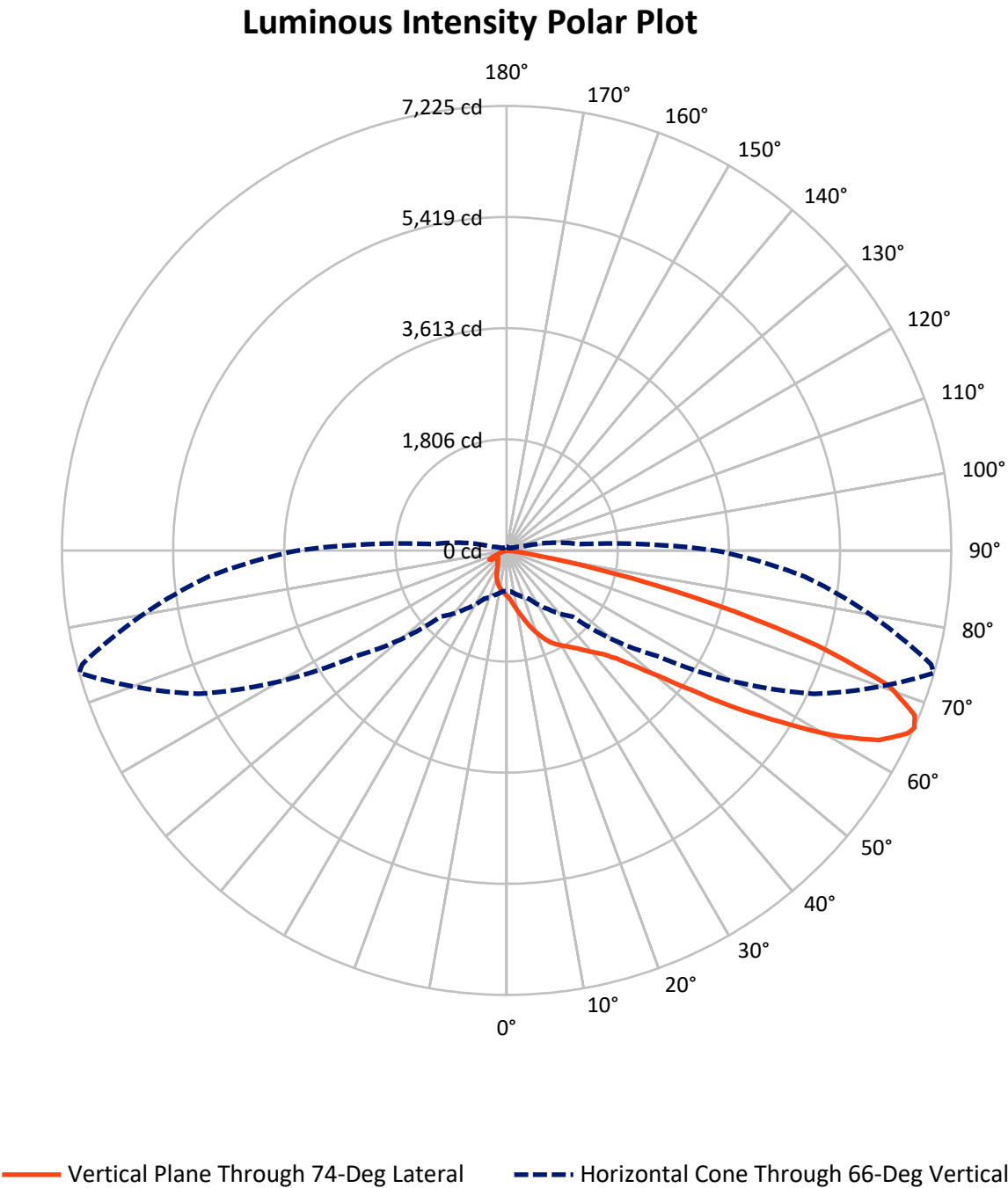
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.1	0.0	660.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6073.8	0.0	6073.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	6734.0	0.0	6734.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	1.1
10°-20°	230.0	3.4
20°-30°	439.0	6.5
30°-40°	769.4	11.4
40°-50°	1319.3	19.6
50°-60°	1715.9	25.5
60°-70°	1553.3	23.1
70°-80°	599.3	8.9
80°-90°	36.1	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°	6734.0	100.0
0°-180°	6734.0	100.0

Coefficient of Utilization



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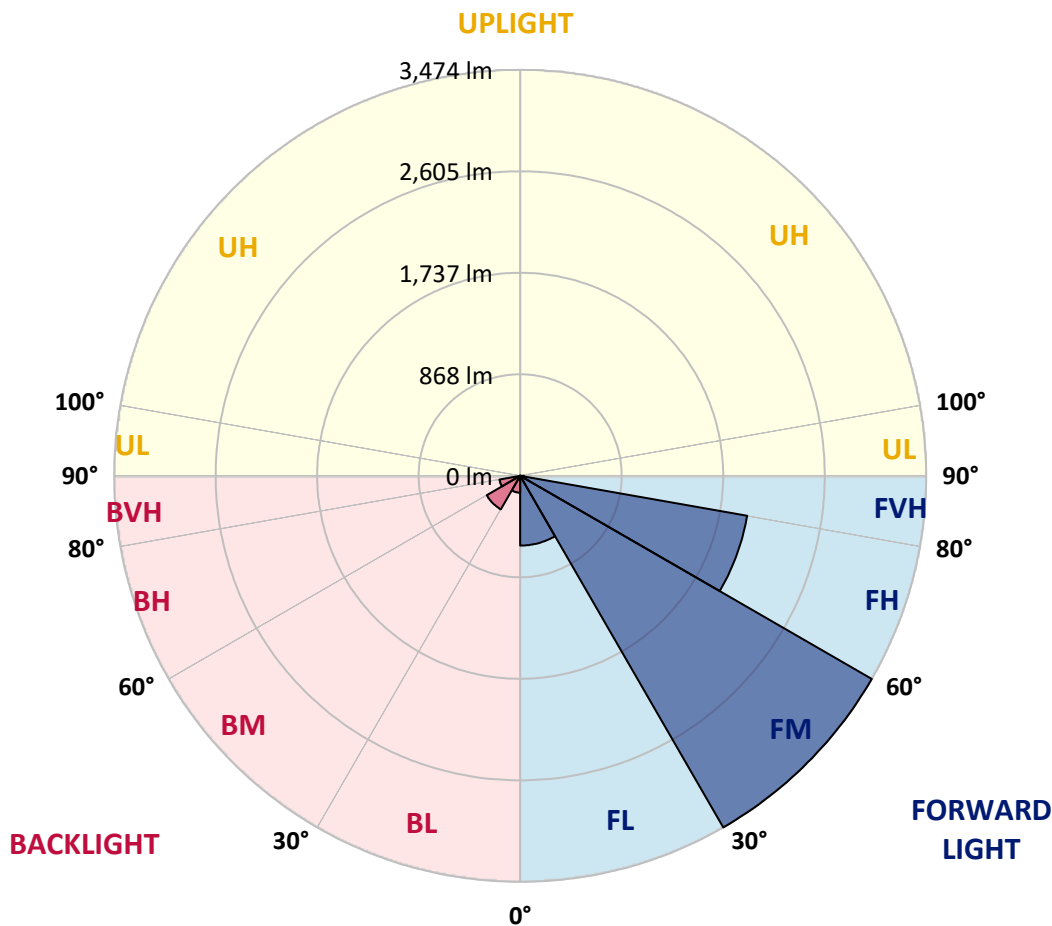
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	596.7	8.9			
FM	(30°-60°)	3473.7	51.6			
FH	(60°-80°)	1972.2	29.3			G2/5000
FVH	(80°-90°)	31.2	0.5			G1/100
BL	(0°-30°)	144.0	2.1	B1/500		
BM	(30°-60°)	330.8	4.9	B1/1000		
BH	(60°-80°)	180.5	2.7	B1/500		G1/500
BVH	(80°-90°)	4.8	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°	735.1	735.1	735.1	735.1	735.1	735.1	735.1	735.1	735.1	735.1	735.1
2.5°	882.6	875.3	862.0	860.8	849.9	836.6	813.7	789.5	772.6	770.1	749.6
5°	1056.7	1053.0	1039.7	1031.3	1010.7	979.3	926.1	872.9	828.2	823.3	777.4
7.5°	1102.6	1105.0	1107.4	1115.9	1108.7	1094.1	1054.3	979.3	909.2	898.3	818.5
10°	1109.9	1107.4	1107.4	1118.3	1138.9	1159.4	1154.6	1090.5	999.8	986.5	875.3
12.5°	1188.5	1192.1	1183.6	1178.8	1175.2	1186.0	1222.3	1194.5	1095.4	1084.5	944.2
15°	1290.0	1288.8	1276.7	1276.7	1265.8	1247.7	1270.7	1291.2	1210.2	1196.9	1022.8
17.5°	1363.8	1368.6	1367.4	1374.6	1371.0	1346.8	1334.7	1377.1	1328.7	1311.8	1112.3
20°	1423.0	1436.3	1441.1	1464.1	1475.0	1458.1	1426.6	1453.2	1442.3	1426.6	1203.0
22.5°	1485.9	1496.7	1505.2	1545.1	1575.3	1571.7	1531.8	1525.8	1552.4	1537.9	1292.4
25°	1548.7	1553.6	1579.0	1627.3	1675.7	1687.8	1646.7	1599.5	1651.5	1638.2	1372.2
27.5°	1617.6	1620.1	1650.3	1709.5	1777.2	1802.6	1770.0	1682.9	1727.7	1727.7	1444.8
30°	1743.4	1767.6	1779.7	1832.8	1892.1	1927.2	1888.5	1771.2	1795.4	1806.3	1520.9
32.5°	2014.2	2017.8	2014.2	2037.2	2049.3	2069.8	2025.1	1870.3	1864.3	1876.4	1595.9
35°	2427.7	2413.2	2374.5	2340.6	2270.5	2231.8	2173.8	1997.3	1948.9	1965.8	1669.6
37.5°	2929.4	2908.9	2820.6	2716.6	2566.7	2412.0	2339.4	2152.0	2056.5	2078.3	1749.4
40°	3408.2	3394.9	3289.7	3161.5	2905.2	2640.5	2486.9	2282.6	2176.2	2184.7	1830.4
42.5°	3802.3	3799.9	3711.6	3577.4	3248.6	2887.1	2661.0	2410.8	2301.9	2315.2	1915.1
45°	4100.9	4078.0	4012.7	3916.0	3581.1	3143.4	2871.4	2605.4	2503.8	2519.6	2042.0
47.5°	4100.9	4104.6	4146.9	4137.2	3813.2	3384.0	3101.1	2850.8	2802.5	2817.0	2251.2
50°	3767.3	3801.1	3989.7	4148.1	3934.1	3571.4	3348.9	3157.9	3207.5	3229.2	2616.3
52.5°	3107.1	3164.0	3491.6	3853.1	3844.6	3665.7	3605.2	3548.4	3770.9	3809.6	3155.5
55°	2361.2	2398.7	2825.4	3300.6	3455.3	3588.3	3828.9	4044.1	4516.8	4508.4	3703.2
57.5°	1763.9	1799.0	2166.5	2693.7	2898.0	3253.4	3943.8	4611.1	5256.7	5289.4	4217.0
60°	1297.3	1323.9	1637.0	2069.8	2364.8	2740.8	3897.8	5169.7	6109.1	6071.6	4670.4
62.5°	959.9	974.5	1200.5	1482.2	1874.0	2233.0	3608.9	5551.7	6789.8	6713.6	4923.1
65°	742.3	747.2	864.4	1014.4	1362.5	1736.1	3178.5	5609.8	7165.8	7084.8	4918.2
66°	661.3	665.0	750.8	866.9	1159.4	1519.7	2989.9	5516.7	7225.0	7139.2	4857.8
67.5°	554.9	552.5	603.3	679.5	870.5	1172.7	2655.0	5244.7	7154.9	7111.4	4664.3
70°	411.1	412.3	437.7	455.8	509.0	649.2	1917.5	4549.5	6593.9	6591.5	4133.6
72.5°	304.7	308.3	327.6	331.3	318.0	351.8	1105.0	3618.5	5274.9	5276.1	3090.2
75°	228.5	234.5	240.6	243.0	230.9	222.5	499.3	2434.9	3469.8	3444.5	1749.4
77.5°	174.1	176.5	181.4	177.7	175.3	153.5	207.9	1187.2	1713.2	1560.8	567.0
80°	126.9	126.9	131.8	126.9	125.7	110.0	113.6	380.8	502.9	418.3	122.1
82.5°	79.8	78.6	82.2	81.0	78.6	70.1	66.5	106.4	116.1	104.0	59.2
85°	44.7	43.5	42.3	41.1	37.5	31.4	36.3	39.9	53.2	54.4	42.3
87.5°	15.7	15.7	14.5	13.3	10.9	10.9	13.3	13.3	19.3	19.3	21.8
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°	735.1	735.1	735.1	735.1	735.1	735.1	735.1	735.1	735.1	735.1	735.1
2.5°	739.9	726.6	707.3	681.9	663.7	645.6	626.3	615.4	599.7	596.0	600.9
5°	753.2	729.0	680.7	627.5	581.5	540.4	501.7	478.8	455.8	447.3	451.0
7.5°	781.0	739.9	657.7	571.9	495.7	434.0	388.1	361.5	340.9	332.5	334.9
10°	822.1	759.3	635.9	509.0	411.1	345.8	307.1	290.2	278.1	273.2	274.4
12.5°	871.7	787.1	608.1	446.1	338.5	281.7	263.6	259.9	257.5	255.1	256.3
15°	927.3	811.2	575.5	384.5	281.7	250.3	244.2	243.0	241.8	241.8	241.8
17.5°	985.3	833.0	539.2	326.4	245.4	230.9	227.3	227.3	227.3	228.5	228.5
20°	1039.7	849.9	496.9	274.4	224.9	212.8	210.4	210.4	211.6	212.8	212.8
22.5°	1092.9	857.2	447.3	238.2	207.9	197.1	193.4	193.4	193.4	194.6	194.6
25°	1138.9	857.2	397.8	215.2	193.4	182.6	177.7	176.5	177.7	177.7	177.7
27.5°	1177.6	853.6	349.4	199.5	178.9	168.1	163.2	162.0	164.4	165.6	165.6
30°	1218.7	848.7	310.7	185.0	166.8	156.0	151.1	151.1	154.8	159.6	159.6
32.5°	1258.6	852.3	280.5	172.9	154.8	146.3	141.5	142.7	149.9	157.2	157.2
35°	1300.9	859.6	262.4	164.4	146.3	137.8	134.2	137.8	145.1	152.3	152.3
37.5°	1343.2	868.1	251.5	157.2	139.0	130.6	128.2	133.0	141.5	148.7	149.9
40°	1387.9	875.3	239.4	149.9	134.2	124.5	123.3	128.2	139.0	146.3	147.5
42.5°	1443.6	889.8	224.9	143.9	129.4	117.3	118.5	122.1	133.0	143.9	145.1
45°	1552.4	935.8	210.4	137.8	123.3	113.6	111.2	113.6	125.7	137.8	140.2
47.5°	1756.7	1039.7	194.6	131.8	117.3	111.2	101.6	104.0	114.9	128.2	129.4
50°	2148.4	1261.0	186.2	125.7	112.4	102.8	91.9	91.9	100.3	112.4	112.4
52.5°	2758.9	1657.5	191.0	120.9	106.4	94.3	83.4	82.2	87.0	95.5	95.5
55°	3417.9	2092.8	209.2	116.1	99.1	89.5	77.4	71.3	75.0	79.8	79.8
57.5°	3940.1	2311.6	258.7	113.6	90.7	85.8	70.1	61.7	65.3	70.1	70.1
60°	4169.9	2183.5	314.3	116.1	84.6	79.8	62.9	54.4	60.5	65.3	66.5
62.5°	3983.7	1797.8	337.3	110.0	76.2	71.3	61.7	50.8	58.0	61.7	62.9
65°	3581.1	1366.2	263.6	95.5	70.1	61.7	55.6	48.4	54.4	58.0	58.0
66°	3390.0	1190.9	224.9	88.3	67.7	58.0	53.2	48.4	53.2	55.6	56.8
67.5°	3093.8	939.4	166.8	77.4	62.9	53.2	49.6	45.9	50.8	53.2	53.2
70°	2419.2	559.8	100.3	60.5	54.4	47.2	44.7	42.3	45.9	47.2	47.2
72.5°	1514.9	266.0	64.1	44.7	45.9	44.7	37.5	39.9	41.1	42.3	42.3
75°	733.9	105.2	43.5	32.6	37.5	42.3	30.2	35.1	36.3	38.7	37.5
77.5°	204.3	50.8	27.8	24.2	32.6	32.6	23.0	27.8	32.6	41.1	37.5
80°	59.2	32.6	18.1	18.1	23.0	23.0	15.7	19.3	21.8	24.2	25.4
82.5°	41.1	21.8	12.1	13.3	13.3	14.5	9.7	9.7	12.1	12.1	13.3
85°	32.6	9.7	7.3	8.5	6.0	7.3	4.8	4.8	6.0	4.8	4.8
87.5°	13.3	4.8	4.8	4.8	3.6	3.6	2.4	1.2	1.2	1.2	1.2
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)