

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: P1211612

Luminaire Tested: **ARCH4-60-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211612
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: ARCH4-60-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 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: 7696 lumens
Efficiency: N/A
Efficacy: 122.2 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

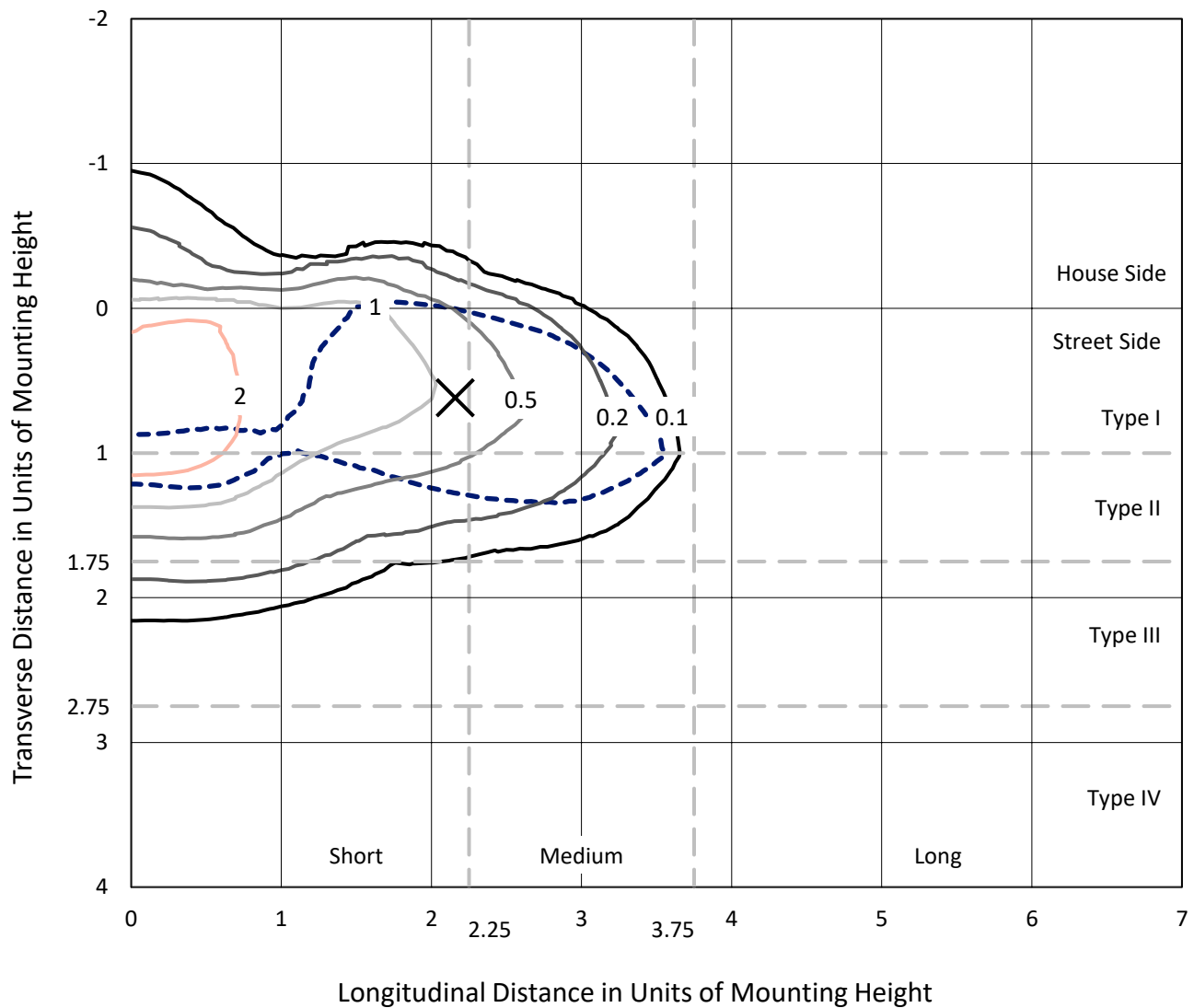


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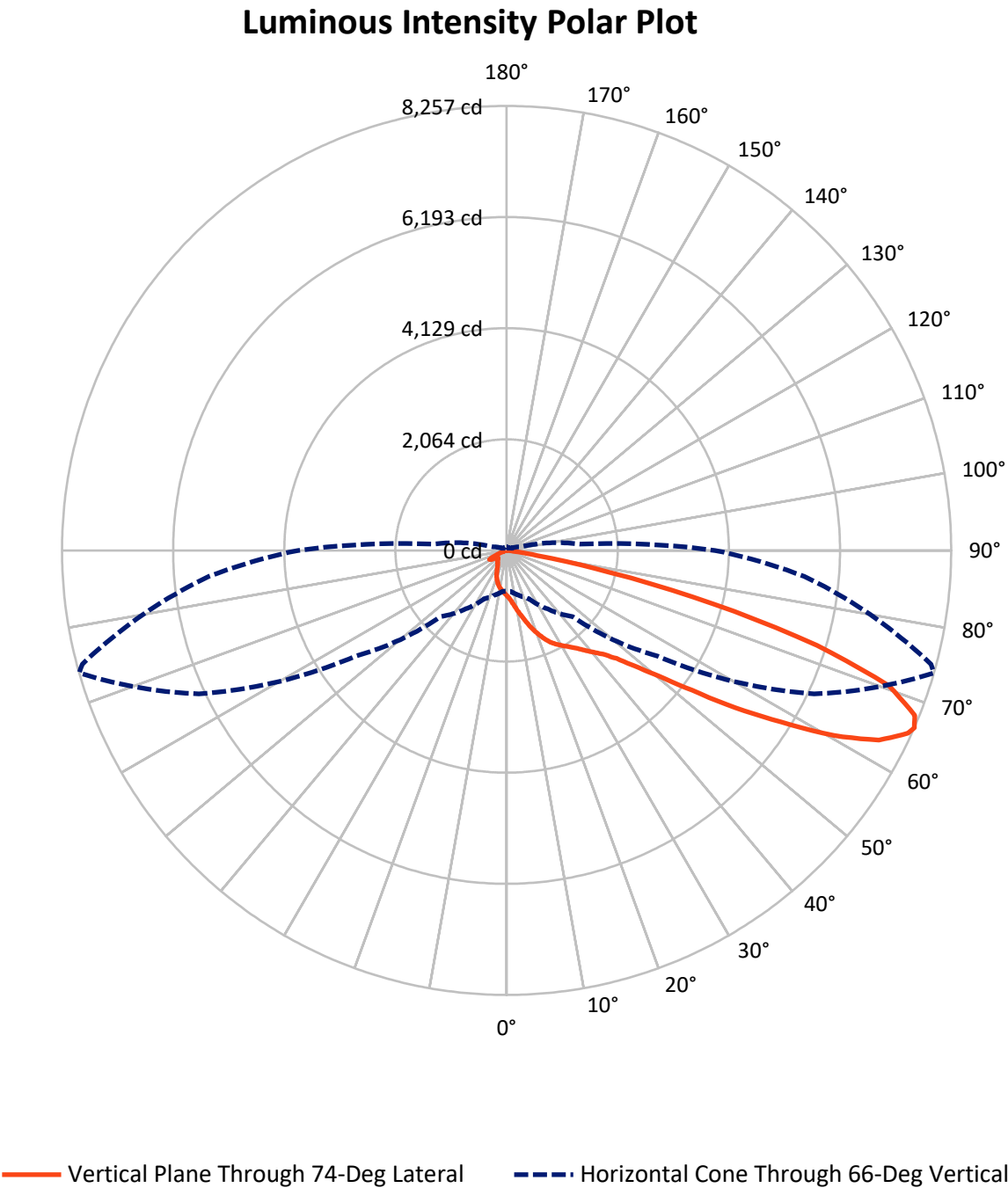
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.4	0.0	754.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6941.5	0.0	6941.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	7696.0	0.0	7696.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.1
10°-20°	262.9	3.4
20°-30°	501.7	6.5
30°-40°	879.3	11.4
40°-50°	1507.8	19.6
50°-60°	1961.0	25.5
60°-70°	1775.2	23.1
70°-80°	685.0	8.9
80°-90°	41.2	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°	7696.0	100.0
0°-180°	7696.0	100.0

Coefficient of Utilization



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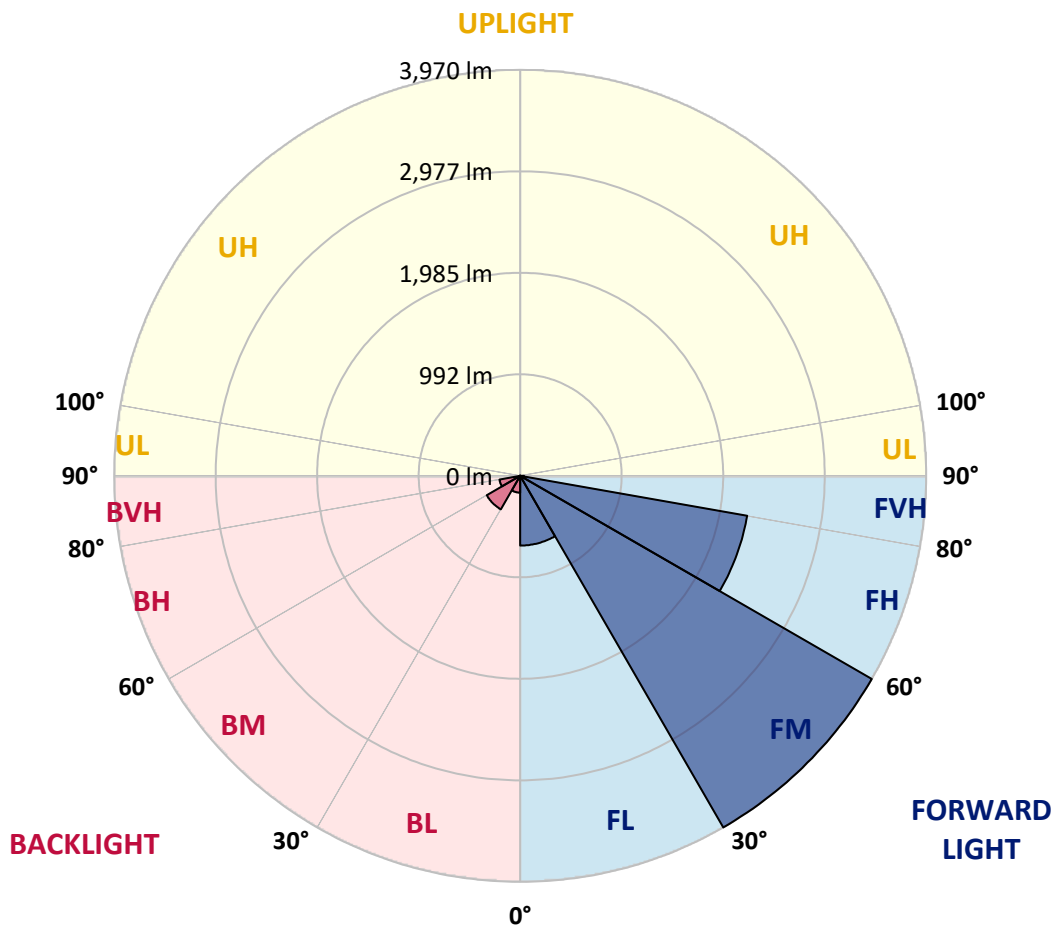
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	682.0	8.9			
FM	(30°-60°)	3970.0	51.6			
FH	(60°-80°)	2253.9	29.3			G2/5000
FVH	(80°-90°)	35.7	0.5			G1/100
BL	(0°-30°)	164.6	2.1	B1/500		
BM	(30°-60°)	378.1	4.9	B1/1000		
BH	(60°-80°)	206.3	2.7	B1/500		G1/500
BVH	(80°-90°)	5.5	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°	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1
2.5°	1008.7	1000.4	985.2	983.8	971.3	956.1	929.9	902.3	882.9	880.2	856.7
5°	1207.6	1203.5	1188.3	1178.6	1155.1	1119.2	1058.4	997.6	946.5	941.0	888.4
7.5°	1260.1	1262.9	1265.7	1275.3	1267.0	1250.5	1204.9	1119.2	1039.1	1026.6	935.4
10°	1268.4	1265.7	1265.7	1278.1	1301.6	1325.1	1319.5	1246.3	1142.7	1127.5	1000.4
12.5°	1358.2	1362.4	1352.7	1347.2	1343.0	1355.5	1396.9	1365.1	1251.8	1239.4	1079.1
15°	1474.3	1472.9	1459.1	1459.1	1446.7	1425.9	1452.2	1475.7	1383.1	1367.9	1168.9
17.5°	1558.6	1564.1	1562.7	1571.0	1566.9	1539.2	1525.4	1573.8	1518.5	1499.2	1271.2
20°	1626.3	1641.5	1647.0	1673.3	1685.7	1666.4	1630.4	1660.8	1648.4	1630.4	1374.8
22.5°	1698.1	1710.6	1720.2	1765.8	1800.4	1796.2	1750.6	1743.7	1774.1	1757.5	1477.1
25°	1770.0	1775.5	1804.5	1859.8	1915.1	1928.9	1881.9	1828.0	1887.4	1872.2	1568.3
27.5°	1848.7	1851.5	1886.0	1953.8	2031.1	2060.1	2022.8	1923.4	1974.5	1974.5	1651.2
30°	1992.4	2020.1	2033.9	2094.7	2162.4	2202.5	2158.2	2024.2	2051.9	2064.3	1738.2
32.5°	2301.9	2306.1	2301.9	2328.2	2342.0	2365.5	2314.4	2137.5	2130.6	2144.4	1823.9
35°	2774.5	2757.9	2713.7	2675.0	2594.9	2550.7	2484.3	2282.6	2227.3	2246.7	1908.2
37.5°	3347.9	3324.4	3223.5	3104.7	2933.4	2756.5	2673.6	2459.5	2350.3	2375.2	1999.3
40°	3895.1	3879.9	3759.7	3613.2	3320.3	3017.7	2842.2	2608.7	2487.1	2496.8	2091.9
42.5°	4345.5	4342.7	4241.9	4088.5	3712.7	3299.5	3041.2	2755.1	2630.8	2646.0	2188.6
45°	4686.8	4660.5	4585.9	4475.4	4092.7	3592.5	3281.6	2977.6	2861.5	2879.5	2333.7
47.5°	4686.8	4690.9	4739.3	4728.2	4357.9	3867.4	3544.1	3258.1	3202.8	3219.4	2572.8
50°	4305.4	4344.1	4559.7	4740.7	4496.1	4081.6	3827.4	3609.0	3665.7	3690.6	2990.0
52.5°	3551.0	3616.0	3990.4	4403.5	4393.9	4189.4	4120.3	4055.3	4309.6	4353.8	3606.3
55°	2698.5	2741.3	3229.1	3772.1	3949.0	4100.9	4375.9	4621.8	5162.1	5152.4	4232.2
57.5°	2015.9	2056.0	2476.0	3078.5	3312.0	3718.2	4507.2	5269.9	6007.7	6045.0	4819.4
60°	1482.6	1513.0	1870.8	2365.5	2702.6	3132.4	4454.7	5908.2	6981.8	6939.0	5337.6
62.5°	1097.1	1113.7	1372.0	1694.0	2141.7	2552.0	4124.4	6344.9	7759.7	7672.7	5626.4
65°	848.4	853.9	987.9	1159.3	1557.2	1984.1	3632.5	6411.2	8189.4	8096.9	5620.8
66°	755.8	759.9	858.0	990.7	1325.1	1736.8	3417.0	6304.8	8257.2	8159.0	5551.7
67.5°	634.2	631.4	689.5	776.5	994.8	1340.3	3034.3	5993.9	8177.0	8127.3	5330.7
70°	469.8	471.2	500.2	520.9	581.7	742.0	2191.4	5199.4	7535.9	7533.1	4724.1
72.5°	348.2	352.3	374.4	378.6	363.4	402.1	1262.9	4135.5	6028.4	6029.8	3531.7
75°	261.1	268.1	275.0	277.7	263.9	254.2	570.6	2782.8	3965.5	3936.5	1999.3
77.5°	199.0	201.7	207.3	203.1	200.3	175.5	237.7	1356.8	1957.9	1783.8	648.0
80°	145.1	145.1	150.6	145.1	143.7	125.7	129.9	435.2	574.8	478.1	139.6
82.5°	91.2	89.8	94.0	92.6	89.8	80.1	76.0	121.6	132.6	118.8	67.7
85°	51.1	49.7	48.4	47.0	42.8	35.9	41.5	45.6	60.8	62.2	48.4
87.5°	18.0	18.0	16.6	15.2	12.4	12.4	15.2	15.2	22.1	22.1	24.9
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°	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1	840.1
2.5°	845.6	830.4	808.3	779.3	758.6	737.8	715.7	703.3	685.3	681.2	686.7
5°	860.8	833.2	777.9	717.1	664.6	617.6	573.4	547.2	520.9	511.2	515.4
7.5°	892.6	845.6	751.7	653.6	566.5	496.0	443.5	413.1	389.6	380.0	382.7
10°	939.6	867.7	726.8	581.7	469.8	395.2	351.0	331.6	317.8	312.3	313.7
12.5°	996.2	899.5	695.0	509.9	386.9	321.9	301.2	297.1	294.3	291.5	292.9
15°	1059.8	927.1	657.7	439.4	321.9	286.0	279.1	277.7	276.3	276.3	276.3
17.5°	1126.1	952.0	616.2	373.1	280.5	263.9	259.8	259.8	259.8	261.1	261.1
20°	1188.3	971.3	567.9	313.7	257.0	243.2	240.4	240.4	241.8	243.2	243.2
22.5°	1249.1	979.6	511.2	272.2	237.7	225.2	221.1	221.1	221.1	222.5	222.5
25°	1301.6	979.6	454.6	245.9	221.1	208.6	203.1	201.7	203.1	203.1	203.1
27.5°	1345.8	975.5	399.3	228.0	204.5	192.1	186.5	185.2	187.9	189.3	189.3
30°	1392.8	970.0	355.1	211.4	190.7	178.2	172.7	172.7	176.9	182.4	182.4
32.5°	1438.4	974.1	320.6	197.6	176.9	167.2	161.7	163.0	171.3	179.6	179.6
35°	1486.7	982.4	299.8	187.9	167.2	157.5	153.4	157.5	165.8	174.1	174.1
37.5°	1535.1	992.1	287.4	179.6	158.9	149.2	146.5	152.0	161.7	170.0	171.3
40°	1586.2	1000.4	273.6	171.3	153.4	142.3	140.9	146.5	158.9	167.2	168.6
42.5°	1649.8	1016.9	257.0	164.4	147.8	134.0	135.4	139.6	152.0	164.4	165.8
45°	1774.1	1069.5	240.4	157.5	140.9	129.9	127.1	129.9	143.7	157.5	160.3
47.5°	2007.6	1188.3	222.5	150.6	134.0	127.1	116.1	118.8	131.3	146.5	147.8
50°	2455.3	1441.1	212.8	143.7	128.5	117.4	105.0	105.0	114.7	128.5	128.5
52.5°	3153.1	1894.3	218.3	138.2	121.6	107.8	95.3	94.0	99.5	109.2	109.2
55°	3906.1	2391.8	239.0	132.6	113.3	102.2	88.4	81.5	85.7	91.2	91.2
57.5°	4503.0	2641.8	295.7	129.9	103.6	98.1	80.1	70.5	74.6	80.1	80.1
60°	4765.5	2495.4	359.2	132.6	96.7	91.2	71.8	62.2	69.1	74.6	76.0
62.5°	4552.8	2054.6	385.5	125.7	87.0	81.5	70.5	58.0	66.3	70.5	71.8
65°	4092.7	1561.3	301.2	109.2	80.1	70.5	63.6	55.3	62.2	66.3	66.3
66°	3874.3	1361.0	257.0	100.9	77.4	66.3	60.8	55.3	60.8	63.6	64.9
67.5°	3535.8	1073.6	190.7	88.4	71.8	60.8	56.7	52.5	58.0	60.8	60.8
70°	2764.8	639.7	114.7	69.1	62.2	53.9	51.1	48.4	52.5	53.9	53.9
72.5°	1731.3	304.0	73.2	51.1	52.5	51.1	42.8	45.6	47.0	48.4	48.4
75°	838.7	120.2	49.7	37.3	42.8	48.4	34.5	40.1	41.5	44.2	42.8
77.5°	233.5	58.0	31.8	27.6	37.3	37.3	26.3	31.8	37.3	47.0	42.8
80°	67.7	37.3	20.7	20.7	26.3	26.3	18.0	22.1	24.9	27.6	29.0
82.5°	47.0	24.9	13.8	15.2	15.2	16.6	11.1	11.1	13.8	13.8	15.2
85°	37.3	11.1	8.3	9.7	6.9	8.3	5.5	5.5	6.9	5.5	5.5
87.5°	15.2	5.5	5.5	5.5	4.1	4.1	2.8	1.4	1.4	1.4	1.4
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)