

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: P1210143

Luminaire Tested: **ARCH2-30-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-30-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5166 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 34.4
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

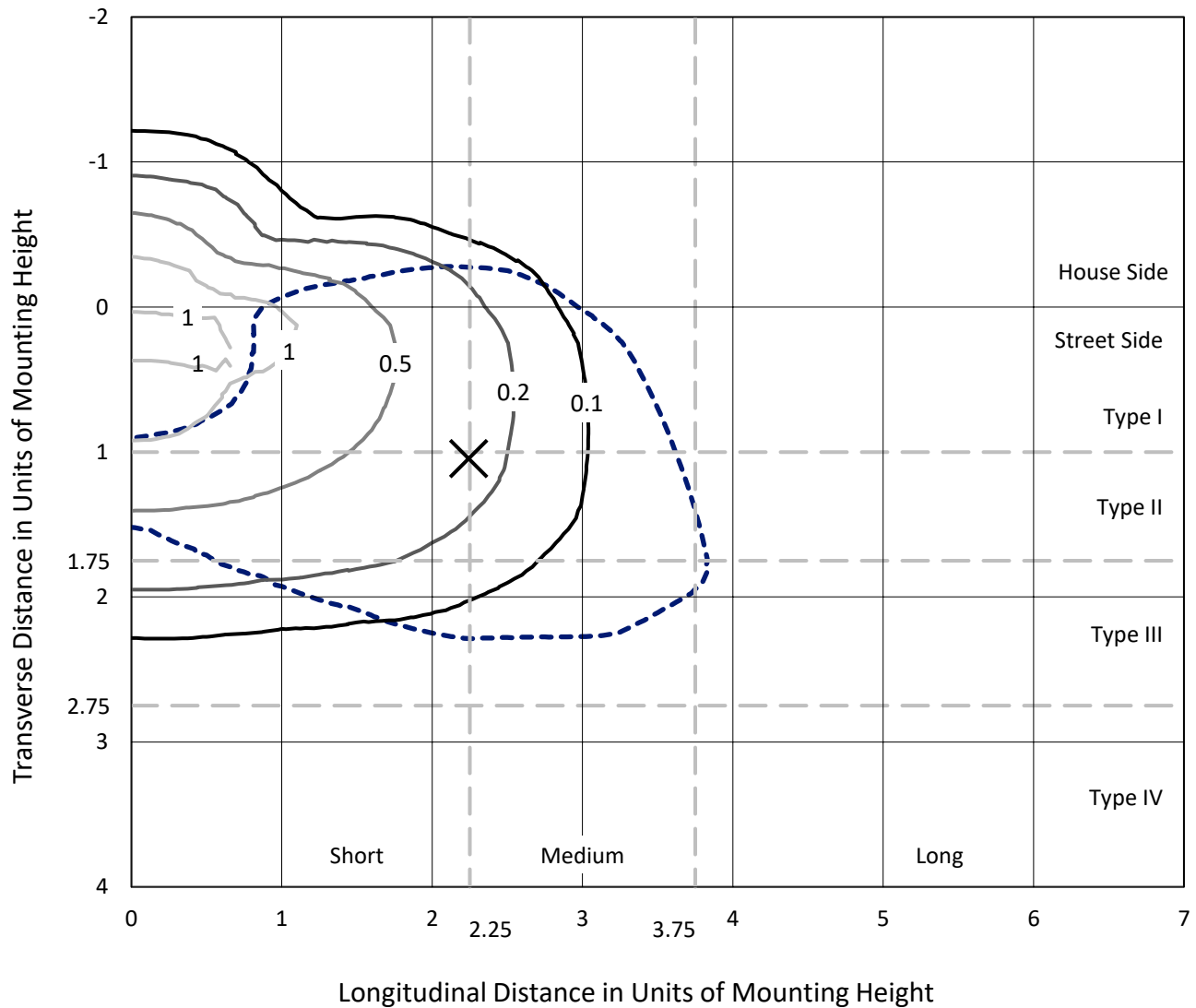


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Iso-Footcandle Lines of Horizontal Illumination

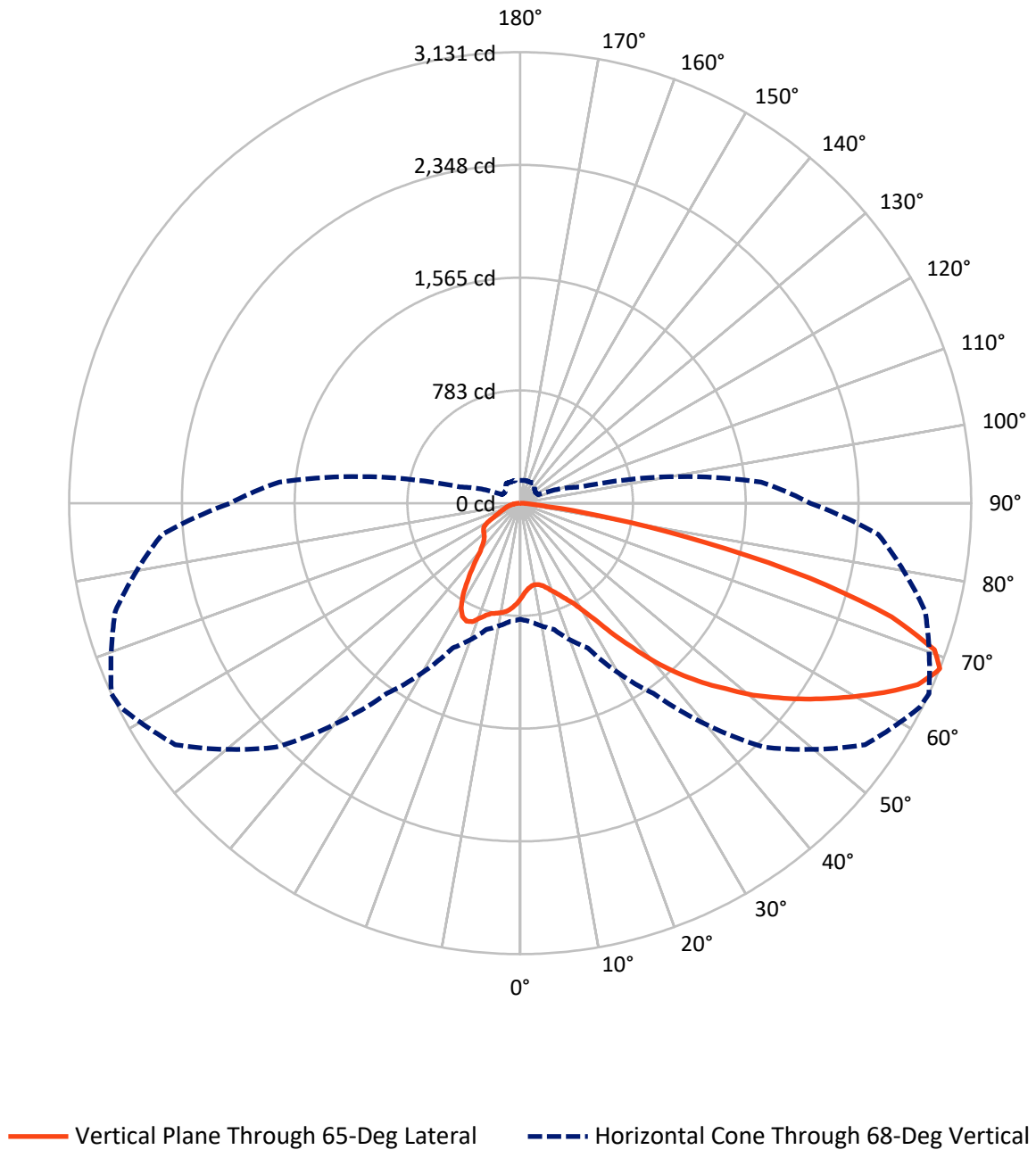
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.6	0.0	1266.6
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	3899.5	0.0	3899.5
	% Fixture	75.5	0.0	75.5
Total	Lumens	5166.0	0.0	5166.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	1.2
10°-20°	205.4	4.0
20°-30°	371.8	7.2
30°-40°	584.9	11.3
40°-50°	871.1	16.9
50°-60°	1142.7	22.1
60°-70°	1249.6	24.2
70°-80°	618.4	12.0
80°-90°	59.0	1.1
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°	5166.0	100.0
0°-180°	5166.0	100.0

Coefficient of Utilization



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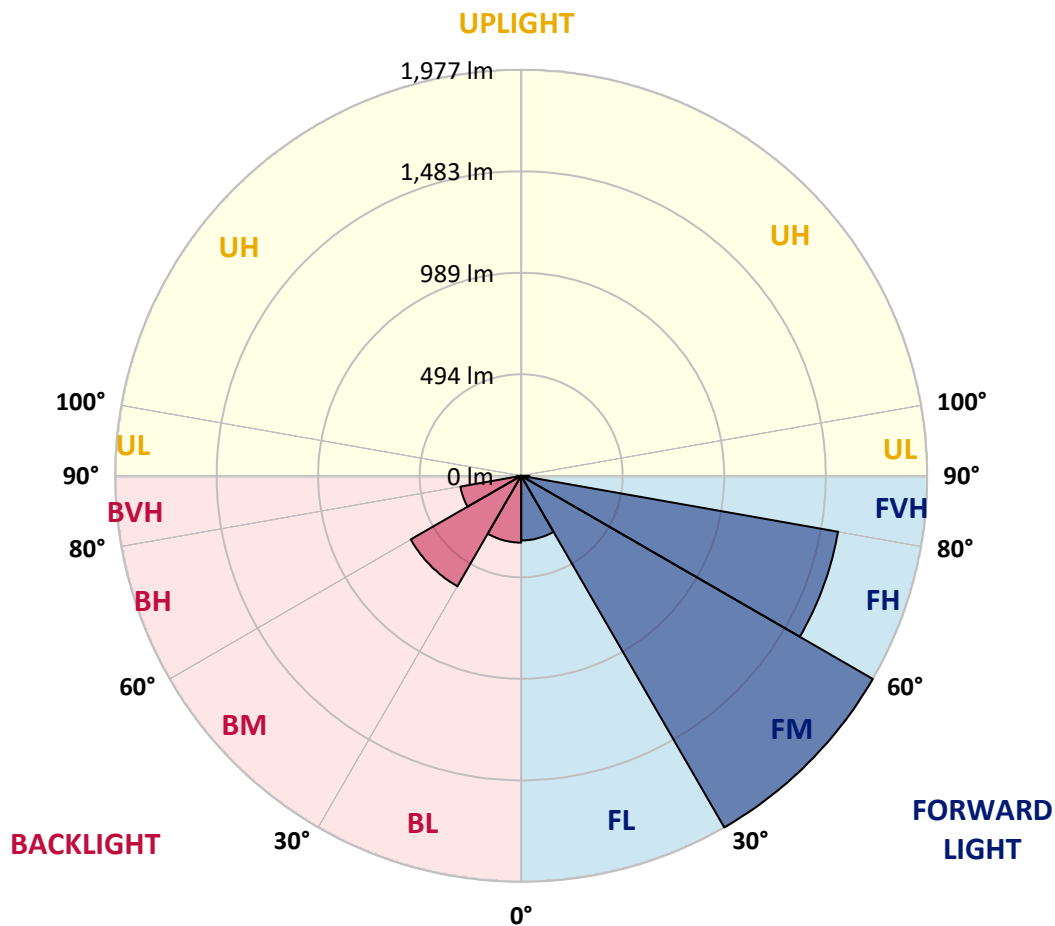
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.9	6.1			
FM	(30°-60°)	1977.5	38.3			
FH	(60°-80°)	1567.4	30.3			G1/1800
FVH	(80°-90°)	39.7	0.8			G1/100
BL	(0°-30°)	325.4	6.3	B1/500		
BM	(30°-60°)	621.2	12.0	B1/1000		
BH	(60°-80°)	300.6	5.8	B1/500		G1/500
BVH	(80°-90°)	19.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2
2.5°	576.2	574.9	578.2	581.5	588.9	597.5	609.5	619.5	620.8	639.5	654.2
5°	542.2	540.2	543.6	547.6	550.9	561.6	574.2	588.9	594.9	622.2	653.5
7.5°	545.6	544.9	546.2	544.9	544.9	549.6	558.2	572.9	579.5	612.2	656.8
10°	564.9	566.2	566.9	562.9	558.9	556.9	559.6	569.6	574.2	612.9	671.5
12.5°	596.9	598.9	599.5	592.2	586.9	578.2	573.6	577.5	580.9	619.5	692.1
15°	640.2	641.5	636.8	632.2	618.9	608.2	596.9	593.5	594.9	633.5	715.4
17.5°	690.8	688.8	688.8	677.5	660.2	643.5	624.8	622.2	622.2	656.2	748.7
20°	746.1	748.1	742.1	726.8	709.4	683.5	664.8	652.8	654.2	682.1	789.4
22.5°	826.0	829.4	813.4	791.4	764.7	734.8	708.1	688.8	689.5	716.1	831.4
25°	912.0	913.3	903.3	874.0	838.0	795.4	760.1	735.4	734.8	754.1	885.3
27.5°	999.9	1005.9	985.9	957.9	924.6	871.3	824.7	791.4	786.1	812.0	952.6
30°	1090.5	1097.8	1078.5	1051.2	1009.9	964.6	909.3	870.7	867.3	902.0	1042.5
32.5°	1181.7	1183.7	1168.4	1145.8	1108.5	1065.8	1021.2	978.6	975.2	1031.9	1159.1
35°	1256.4	1262.3	1251.7	1246.4	1219.0	1179.7	1136.4	1111.8	1120.5	1193.1	1310.3
37.5°	1346.3	1352.3	1340.3	1339.0	1330.3	1296.3	1266.3	1268.3	1277.0	1375.6	1469.5
40°	1476.2	1482.8	1452.2	1438.9	1438.9	1405.6	1395.6	1442.9	1454.2	1555.5	1635.4
42.5°	1586.1	1596.8	1578.8	1570.1	1544.1	1520.8	1532.8	1599.4	1618.7	1727.3	1779.9
45°	1639.4	1647.4	1668.7	1694.0	1668.7	1628.1	1673.4	1748.6	1775.9	1885.9	1924.5
47.5°	1668.0	1675.4	1700.0	1768.0	1785.3	1751.3	1815.3	1909.2	1927.8	2043.1	2062.4
50°	1672.0	1695.3	1727.3	1795.3	1874.5	1879.2	1957.8	2072.4	2094.4	2197.6	2183.6
52.5°	1639.4	1648.7	1714.7	1829.2	1917.2	1997.1	2113.0	2228.9	2244.9	2342.8	2290.9
55°	1586.1	1599.4	1665.4	1821.2	1958.5	2109.0	2270.9	2382.8	2400.8	2484.1	2390.1
57.5°	1538.1	1544.8	1615.4	1797.9	1999.8	2220.9	2411.5	2543.4	2555.3	2608.0	2463.4
60°	1484.8	1492.2	1562.8	1748.0	2030.4	2305.5	2558.0	2705.2	2715.9	2738.5	2548.7
62.5°	1346.9	1366.3	1454.9	1665.4	2022.4	2402.1	2714.6	2865.1	2878.4	2853.8	2616.0
65°	1093.8	1121.1	1229.7	1478.2	1947.8	2464.7	2842.5	3012.3	3035.0	2940.4	2633.9
67.5°	849.3	868.7	955.9	1173.1	1686.0	2433.4	2925.1	3113.6	3120.2	2926.4	2534.0
68°	805.4	824.7	908.0	1109.1	1613.4	2396.1	2923.1	3116.2	3130.9	2911.1	2495.4
70°	616.2	638.2	717.4	878.6	1300.3	2159.0	2801.1	3052.3	3050.3	2725.9	2255.6
72.5°	385.0	397.7	452.3	554.2	860.0	1642.7	2377.5	2691.9	2697.2	2222.3	1730.0
75°	244.5	244.5	241.8	268.5	441.0	935.9	1767.3	2072.4	2076.4	1556.1	1090.5
77.5°	212.5	206.5	177.9	150.5	175.9	363.7	1045.9	1338.3	1316.3	838.0	517.6
80°	179.2	169.2	145.9	121.2	113.2	113.9	401.7	679.5	650.2	301.8	171.9
82.5°	129.2	120.6	109.9	95.3	87.3	67.9	83.9	196.5	191.9	87.3	56.0
85°	69.9	63.3	62.0	62.6	52.6	42.0	35.3	43.3	43.3	38.0	32.0
87.5°	24.6	18.0	21.3	24.0	20.7	17.3	14.0	16.7	17.3	16.7	15.3
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°	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2
2.5°	662.8	669.5	685.5	699.5	709.4	718.1	722.8	724.8	729.4	730.1	728.8
5°	668.1	685.5	709.4	730.1	741.4	746.1	747.4	748.1	746.1	747.4	746.1
7.5°	682.1	704.1	738.1	756.1	758.1	750.7	751.4	748.7	751.4	754.1	754.1
10°	703.5	731.4	763.4	770.1	761.4	757.4	765.4	781.4	786.7	794.0	794.0
12.5°	731.4	764.7	787.4	781.4	773.4	786.7	810.0	826.0	831.4	834.0	832.0
15°	763.4	799.4	810.7	790.7	805.4	834.0	842.0	832.7	819.4	813.4	816.7
17.5°	804.0	834.0	827.4	814.0	847.3	851.3	825.4	795.4	774.1	766.1	771.4
20°	846.7	872.7	842.0	848.0	868.7	826.0	776.7	738.1	719.4	716.1	721.4
22.5°	892.0	908.6	856.7	887.3	856.7	770.1	710.8	690.8	686.1	691.5	696.1
25°	943.3	941.3	882.0	899.3	812.0	701.5	666.1	664.8	664.8	668.1	674.8
27.5°	1001.2	969.9	907.3	883.3	734.8	644.8	638.2	638.8	636.8	637.5	640.8
30°	1068.5	1008.5	935.3	830.7	648.2	602.2	599.5	597.5	592.9	591.5	592.9
32.5°	1153.1	1049.2	963.9	744.1	572.2	558.2	556.9	546.2	534.9	533.6	538.2
35°	1260.4	1123.1	978.6	635.5	509.6	508.9	504.3	487.6	473.0	473.0	469.6
37.5°	1382.9	1218.4	984.6	529.6	457.6	461.0	447.7	426.3	415.0	408.3	410.3
40°	1508.2	1327.0	983.9	437.0	412.3	413.0	403.0	377.0	349.1	332.4	336.4
42.5°	1628.7	1425.6	966.6	387.7	375.7	373.7	365.7	330.4	307.1	293.8	294.4
45°	1725.3	1527.5	939.9	358.4	342.4	345.7	327.7	306.4	285.1	273.1	272.5
47.5°	1821.9	1604.7	897.3	340.4	317.8	311.8	304.4	289.8	273.8	260.5	261.1
50°	1909.8	1670.7	857.3	328.4	295.1	279.8	281.1	272.5	258.5	246.5	245.8
52.5°	1971.8	1714.0	835.3	321.7	267.8	251.1	255.8	251.1	237.8	229.2	228.5
55°	2033.7	1747.3	842.7	313.1	237.8	224.5	232.5	231.2	223.8	221.2	221.8
57.5°	2083.7	1772.6	868.7	297.1	209.2	201.2	214.5	210.5	205.2	205.8	205.8
60°	2132.3	1805.3	899.3	260.5	184.5	185.2	197.8	190.5	187.2	193.2	193.8
62.5°	2183.0	1840.6	874.0	207.2	163.2	167.9	182.5	176.5	177.9	186.5	189.2
65°	2177.0	1837.2	712.1	169.9	144.6	153.9	175.9	173.9	174.5	177.9	179.2
67.5°	2054.4	1720.0	489.6	144.6	131.2	142.6	170.5	162.5	163.2	161.2	161.9
68°	2013.1	1678.7	431.7	140.6	128.6	139.9	167.9	160.5	161.2	159.2	158.5
70°	1787.9	1437.5	273.1	123.9	119.2	132.6	154.5	151.9	151.2	149.9	149.9
72.5°	1362.9	1061.2	143.9	107.2	108.6	121.2	137.9	143.2	139.9	140.6	144.6
75°	902.6	638.2	99.9	91.9	95.3	103.9	122.6	133.2	129.9	131.9	129.9
77.5°	477.6	343.7	79.9	77.9	77.9	83.9	101.3	117.9	117.9	116.6	114.6
80°	156.5	121.2	64.0	61.3	62.6	65.9	81.3	96.6	98.6	95.9	94.6
82.5°	52.6	56.0	48.0	44.6	46.0	48.6	61.3	73.9	74.6	69.3	67.9
85°	32.6	37.3	30.0	29.3	29.3	30.0	37.3	40.6	37.3	33.3	34.6
87.5°	15.3	18.7	14.0	12.0	10.0	8.7	6.7	2.7	2.7	1.3	1.3
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)