

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: P1209951

Luminaire Tested: **ARCH1-30-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209951
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: ARCH1-30-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

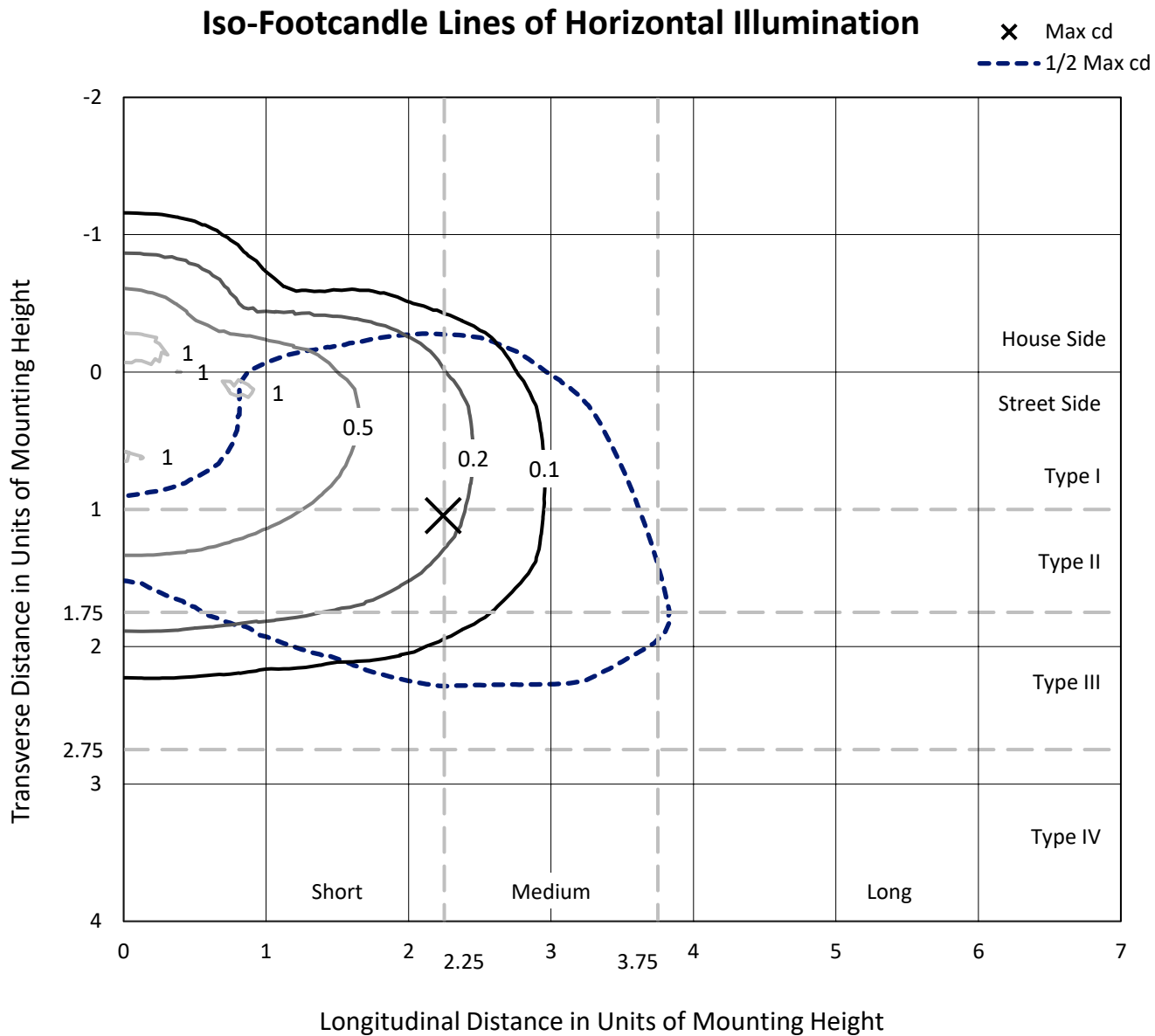
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4594 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 33
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

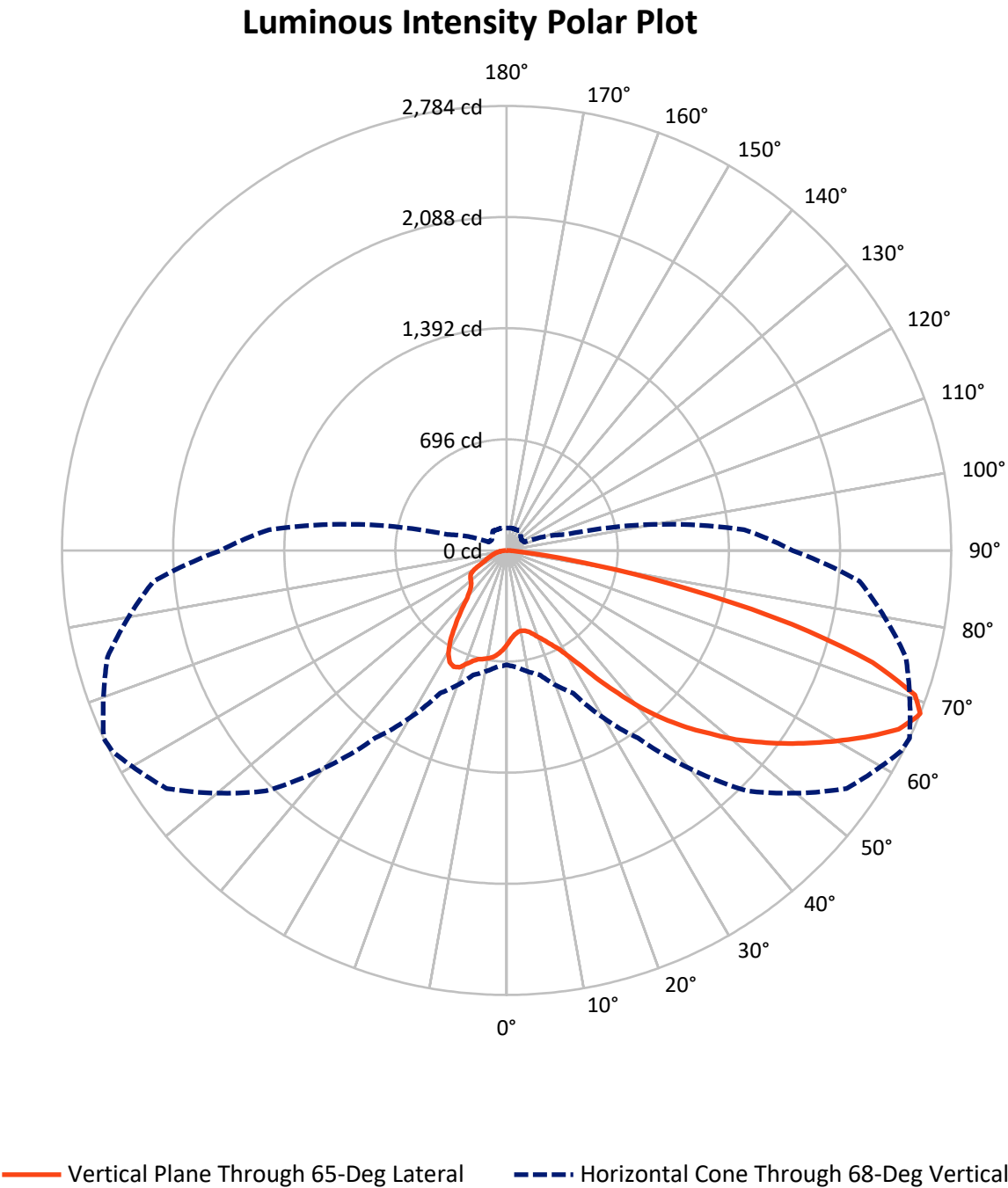


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Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1126.3	0.0	1126.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	3467.7	0.0	3467.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	4594.0	0.0	4594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	1.2
10°-20°	182.7	4.0
20°-30°	330.6	7.2
30°-40°	520.1	11.3
40°-50°	774.7	16.9
50°-60°	1016.2	22.1
60°-70°	1111.3	24.2
70°-80°	549.9	12.0
80°-90°	52.5	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°	4594.0	100.0
0°-180°	4594.0	100.0

Coefficient of Utilization



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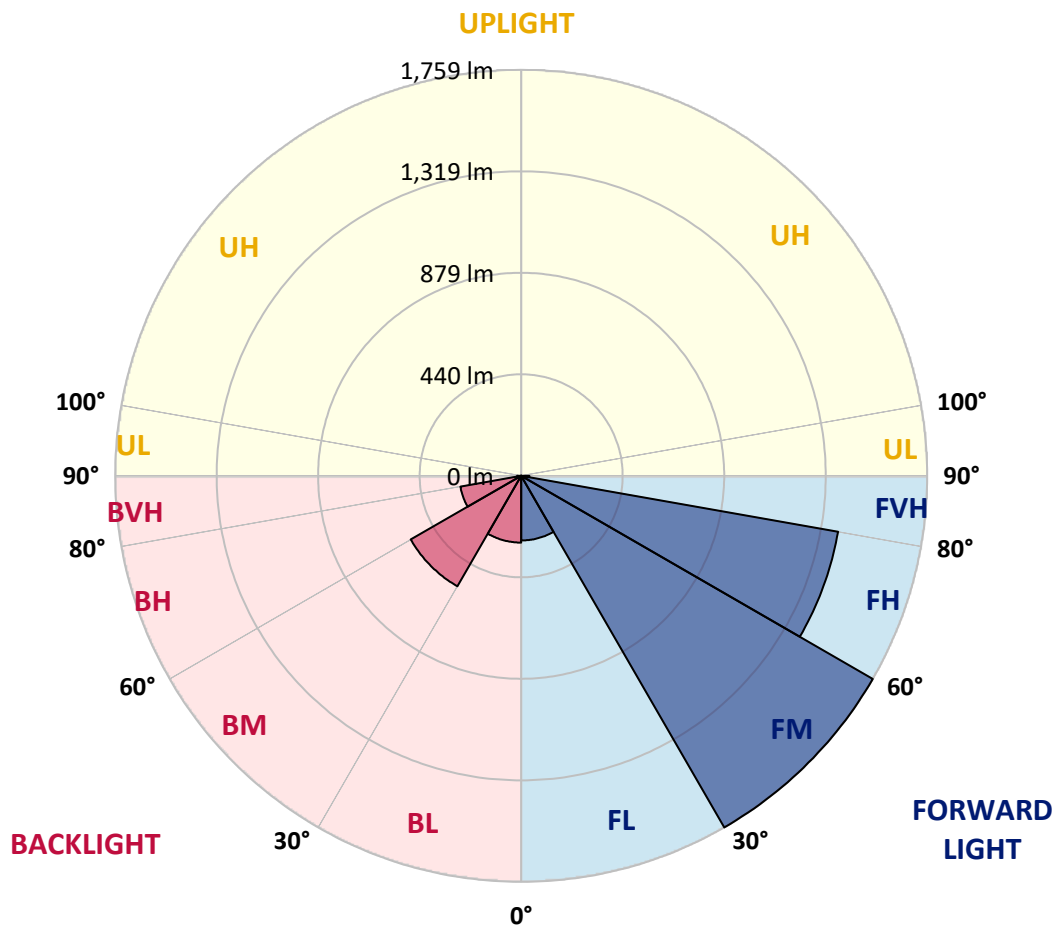
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.1	6.1			
FM	(30°-60°)	1758.5	38.3			
FH	(60°-80°)	1393.8	30.3			G1/1800
FVH	(80°-90°)	35.3	0.8			G1/100
BL	(0°-30°)	289.4	6.3	B1/500		
BM	(30°-60°)	552.4	12.0	B1/1000		
BH	(60°-80°)	267.3	5.8	B1/500		G1/500
BVH	(80°-90°)	17.2	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°	587.1	587.1	587.1	587.1	587.1	587.1	587.1	587.1	587.1	587.1	587.1
2.5°	512.4	511.2	514.2	517.2	523.7	531.4	542.0	550.9	552.1	568.7	581.7
5°	482.2	480.4	483.4	486.9	489.9	499.4	510.6	523.7	529.0	553.3	581.1
7.5°	485.2	484.6	485.8	484.6	484.6	488.7	496.4	509.5	515.4	544.4	584.1
10°	502.3	503.5	504.1	500.6	497.0	495.2	497.6	506.5	510.6	545.0	597.1
12.5°	530.8	532.6	533.1	526.6	521.9	514.2	510.0	513.6	516.6	550.9	615.5
15°	569.3	570.5	566.3	562.2	550.3	540.9	530.8	527.8	529.0	563.4	636.2
17.5°	614.3	612.5	612.5	602.5	587.1	572.2	555.7	553.3	553.3	583.5	665.8
20°	663.5	665.3	659.9	646.3	630.9	607.8	591.2	580.5	581.7	606.6	702.0
22.5°	734.6	737.5	723.3	703.8	680.1	653.4	629.7	612.5	613.1	636.8	739.3
25°	811.0	812.2	803.3	777.2	745.2	707.3	675.9	654.0	653.4	670.6	787.3
27.5°	889.2	894.5	876.7	851.9	822.2	774.8	733.4	703.8	699.0	722.1	847.1
30°	969.7	976.3	959.1	934.8	898.1	857.8	808.6	774.3	771.3	802.1	927.1
32.5°	1050.9	1052.7	1039.1	1018.9	985.7	947.8	908.1	870.2	867.3	917.6	1030.8
35°	1117.2	1122.6	1113.1	1108.4	1084.1	1049.1	1010.6	988.7	996.4	1061.0	1165.2
37.5°	1197.2	1202.5	1191.9	1190.7	1183.0	1152.8	1126.1	1127.9	1135.6	1223.3	1306.8
40°	1312.7	1318.7	1291.4	1279.6	1279.6	1249.9	1241.1	1283.1	1293.2	1383.2	1454.3
42.5°	1410.5	1420.0	1404.0	1396.3	1373.2	1352.4	1363.1	1422.3	1439.5	1536.1	1582.9
45°	1457.9	1465.0	1483.9	1506.4	1483.9	1447.8	1488.1	1555.0	1579.3	1677.1	1711.4
47.5°	1483.3	1489.9	1511.8	1572.2	1587.6	1557.4	1614.3	1697.8	1714.4	1816.9	1834.0
50°	1486.9	1507.6	1536.1	1596.5	1667.0	1671.1	1741.0	1842.9	1862.5	1954.3	1941.9
52.5°	1457.9	1466.2	1524.8	1626.7	1704.9	1776.0	1879.1	1982.1	1996.4	2083.4	2037.2
55°	1410.5	1422.3	1481.0	1619.6	1741.6	1875.5	2019.5	2119.0	2135.0	2209.0	2125.5
57.5°	1367.8	1373.7	1436.5	1598.9	1778.4	1975.0	2144.4	2261.7	2272.4	2319.2	2190.7
60°	1320.4	1327.0	1389.7	1554.4	1805.6	2050.3	2274.8	2405.7	2415.2	2435.3	2266.5
62.5°	1197.8	1215.0	1293.8	1481.0	1798.5	2136.2	2414.0	2547.9	2559.7	2537.8	2326.3
65°	972.7	997.0	1093.5	1314.5	1732.1	2191.8	2527.7	2678.8	2698.9	2614.8	2342.3
67.5°	755.3	772.5	850.1	1043.2	1499.3	2164.0	2601.2	2768.8	2774.7	2602.4	2253.4
68°	716.2	733.4	807.4	986.3	1434.8	2130.8	2599.4	2771.2	2784.2	2588.7	2219.1
70°	548.0	567.5	638.0	781.4	1156.3	1919.9	2491.0	2714.3	2712.5	2424.1	2005.8
72.5°	342.4	353.7	402.2	492.9	764.8	1460.8	2114.2	2393.8	2398.6	1976.2	1538.4
75°	217.4	217.4	215.0	238.7	392.2	832.3	1571.6	1842.9	1846.5	1383.8	969.7
77.5°	189.0	183.6	158.2	133.9	156.4	323.4	930.1	1190.1	1170.6	745.2	460.3
80°	159.4	150.5	129.7	107.8	100.7	101.3	357.2	604.2	578.2	268.4	152.8
82.5°	114.9	107.2	97.7	84.7	77.6	60.4	74.6	174.8	170.6	77.6	49.8
85°	62.2	56.3	55.1	55.7	46.8	37.3	31.4	38.5	38.5	33.8	28.4
87.5°	21.9	16.0	19.0	21.3	18.4	15.4	12.4	14.8	15.4	14.8	13.6
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°	587.1	587.1	587.1	587.1	587.1	587.1	587.1	587.1	587.1	587.1	587.1
2.5°	589.4	595.4	609.6	622.0	630.9	638.6	642.7	644.5	648.7	649.3	648.1
5°	594.2	609.6	630.9	649.3	659.3	663.5	664.7	665.3	663.5	664.7	663.5
7.5°	606.6	626.2	656.4	672.4	674.1	667.6	668.2	665.8	668.2	670.6	670.6
10°	625.6	650.4	678.9	684.8	677.1	673.5	680.7	694.9	699.6	706.1	706.1
12.5°	650.4	680.1	700.2	694.9	687.8	699.6	720.3	734.6	739.3	741.7	739.9
15°	678.9	710.9	720.9	703.2	716.2	741.7	748.8	740.5	728.6	723.3	726.3
17.5°	715.0	741.7	735.7	723.9	753.5	757.1	734.0	707.3	688.4	681.2	686.0
20°	752.9	776.0	748.8	754.1	772.5	734.6	690.7	656.4	639.8	636.8	641.6
22.5°	793.2	808.0	761.8	789.1	761.8	684.8	632.1	614.3	610.2	614.9	619.0
25°	838.8	837.0	784.3	799.7	722.1	623.8	592.4	591.2	591.2	594.2	600.1
27.5°	890.4	862.5	806.8	785.5	653.4	573.4	567.5	568.1	566.3	566.9	569.9
30°	950.2	896.9	831.7	738.7	576.4	535.5	533.1	531.4	527.2	526.0	527.2
32.5°	1025.4	933.0	857.2	661.7	508.9	496.4	495.2	485.8	475.7	474.5	478.7
35°	1120.8	998.8	870.2	565.1	453.2	452.6	448.4	433.6	420.6	420.6	417.6
37.5°	1229.8	1083.5	875.6	470.9	407.0	409.9	398.1	379.1	369.1	363.1	364.9
40°	1341.2	1180.0	875.0	388.6	366.7	367.3	358.4	335.3	310.4	295.6	299.2
42.5°	1448.4	1267.7	859.6	344.8	334.1	332.3	325.2	293.8	273.1	261.2	261.8
45°	1534.3	1358.3	835.9	318.7	304.5	307.4	291.5	272.5	253.5	242.9	242.3
47.5°	1620.2	1427.1	797.9	302.7	282.6	277.2	270.7	257.7	243.5	231.6	232.2
50°	1698.4	1485.7	762.4	292.0	262.4	248.8	250.0	242.3	229.8	219.2	218.6
52.5°	1753.5	1524.2	742.9	286.1	238.1	223.3	227.5	223.3	211.5	203.8	203.2
55°	1808.6	1553.8	749.4	278.4	211.5	199.6	206.7	205.6	199.0	196.7	197.3
57.5°	1853.0	1576.3	772.5	264.2	186.0	178.9	190.7	187.2	182.5	183.0	183.0
60°	1896.2	1605.4	799.7	231.6	164.1	164.7	175.9	169.4	166.5	171.8	172.4
62.5°	1941.3	1636.8	777.2	184.2	145.1	149.3	162.3	157.0	158.2	165.9	168.2
65°	1935.9	1633.8	633.3	151.1	128.5	136.8	156.4	154.6	155.2	158.2	159.4
67.5°	1826.9	1529.5	435.4	128.5	116.7	126.8	151.7	144.5	145.1	143.4	144.0
68°	1790.2	1492.8	383.9	125.0	114.3	124.4	149.3	142.8	143.4	141.6	141.0
70°	1590.0	1278.4	242.9	110.2	106.0	117.9	137.4	135.1	134.5	133.3	133.3
72.5°	1212.0	943.7	128.0	95.4	96.6	107.8	122.6	127.4	124.4	125.0	128.5
75°	802.7	567.5	88.9	81.7	84.7	92.4	109.0	118.5	115.5	117.3	115.5
77.5°	424.7	305.7	71.1	69.3	69.3	74.6	90.0	104.9	104.9	103.7	101.9
80°	139.2	107.8	56.9	54.5	55.7	58.6	72.3	85.9	87.7	85.3	84.1
82.5°	46.8	49.8	42.7	39.7	40.9	43.2	54.5	65.8	66.3	61.6	60.4
85°	29.0	33.2	26.7	26.1	26.1	26.7	33.2	36.1	33.2	29.6	30.8
87.5°	13.6	16.6	12.4	10.7	8.9	7.7	5.9	2.4	2.4	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)