

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: P1209975

Luminaire Tested: **ARCH1-40-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209975
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: ARCH1-40-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1220mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

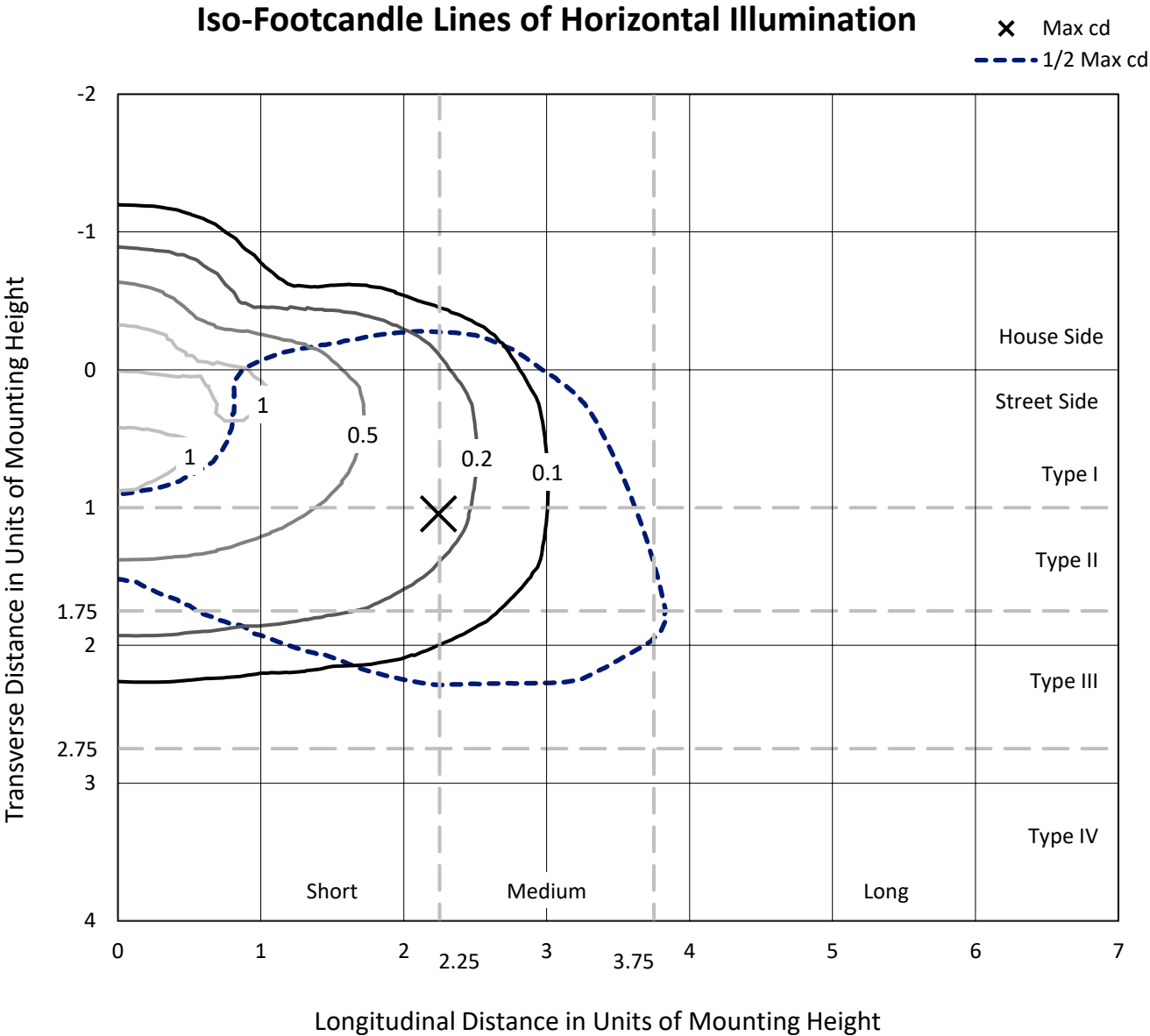
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4965 lumens
Efficiency: N/A
Efficacy: 115.5 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): 43
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

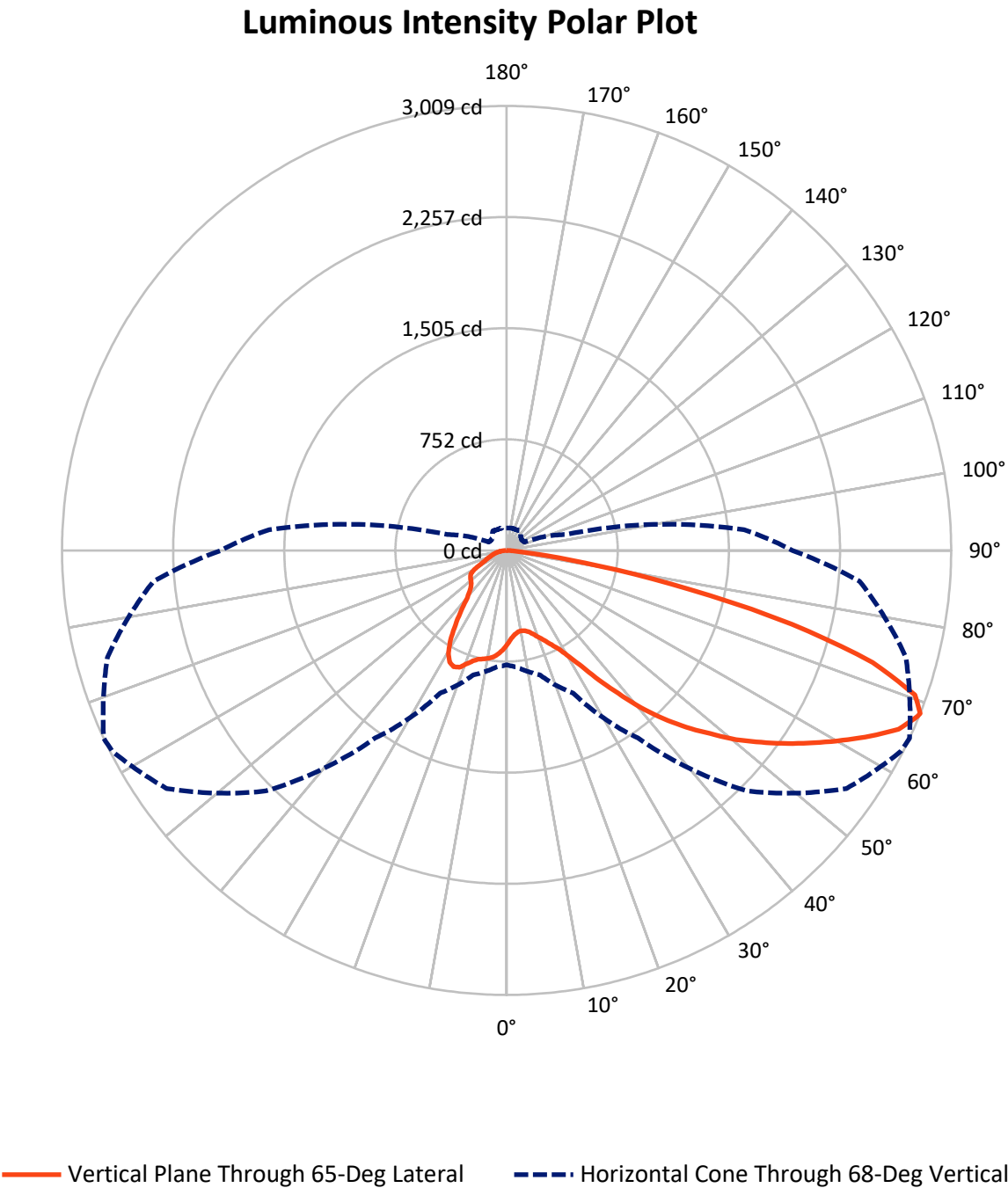


REPORT NUMBER: P1209975
CATALOG NUMBER: ARCH1-40-722-U-T3RE



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1217.3	0.0	1217.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	3747.7	0.0	3747.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	4965.0	0.0	4965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.2
10°-20°	197.4	4.0
20°-30°	357.3	7.2
30°-40°	562.1	11.3
40°-50°	837.2	16.9
50°-60°	1098.3	22.1
60°-70°	1201.0	24.2
70°-80°	594.3	12.0
80°-90°	56.7	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°	4965.0	100.0
0°-180°	4965.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1209975

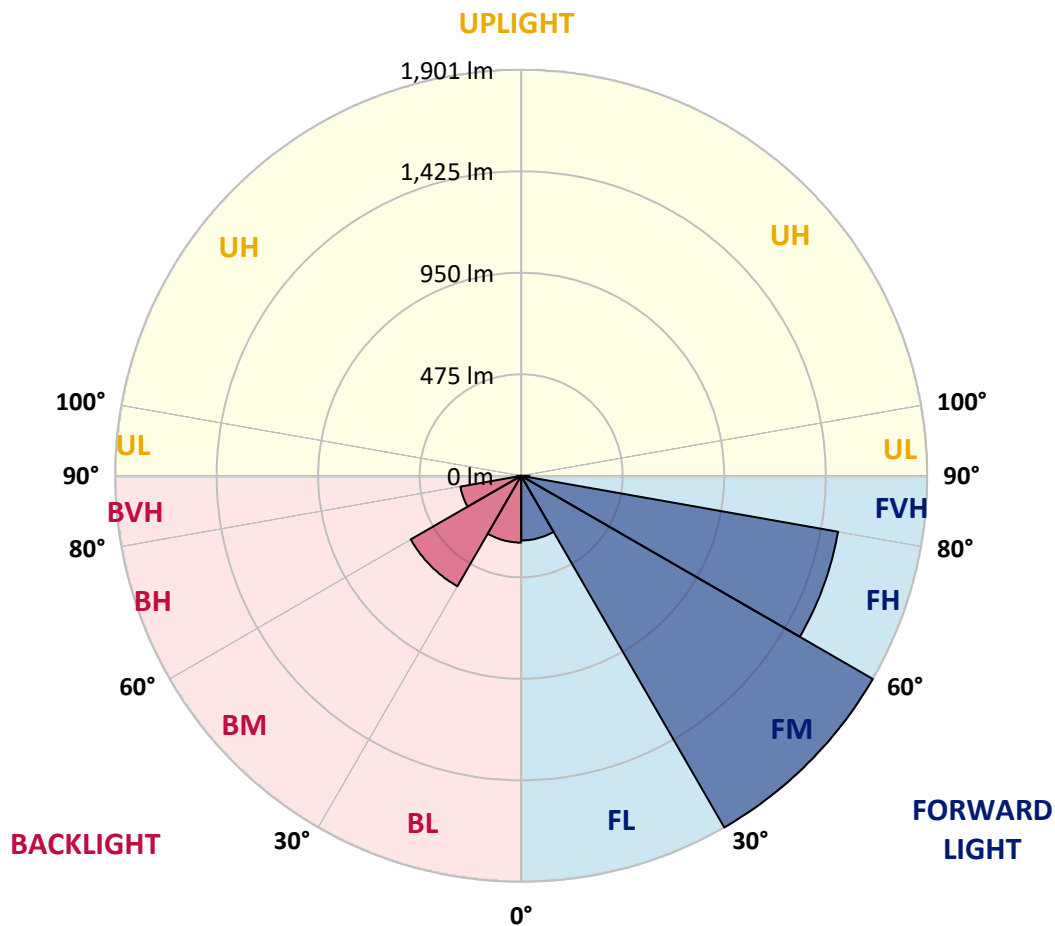
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.7	6.1			
FM	(30°-60°)	1900.5	38.3			
FH	(60°-80°)	1506.4	30.3			G1/1800
FVH	(80°-90°)	38.1	0.8			G1/100
BL	(0°-30°)	312.7	6.3	B1/500		
BM	(30°-60°)	597.1	12.0	B1/1000		
BH	(60°-80°)	288.9	5.8	B1/500		G1/500
BVH	(80°-90°)	18.6	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



REPORT NUMBER: P1209975

CATALOG NUMBER: ARCH1-40-722-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5
2.5°	553.8	552.5	555.7	558.9	566.0	574.3	585.8	595.4	596.7	614.6	628.7
5°	521.1	519.2	522.4	526.3	529.5	539.7	551.9	566.0	571.7	598.0	628.1
7.5°	524.3	523.7	525.0	523.7	523.7	528.2	536.5	550.6	557.0	588.4	631.3
10°	542.9	544.2	544.8	541.0	537.2	535.2	537.8	547.4	551.9	589.0	645.4
12.5°	573.6	575.6	576.2	569.2	564.0	555.7	551.2	555.1	558.3	595.4	665.2
15°	615.3	616.5	612.1	607.6	594.8	584.5	573.6	570.4	571.7	608.9	687.6
17.5°	663.9	662.0	662.0	651.1	634.5	618.5	600.5	598.0	598.0	630.6	719.6
20°	717.1	719.0	713.2	698.5	681.8	656.9	638.9	627.4	628.7	655.6	758.7
22.5°	793.9	797.1	781.7	760.6	735.0	706.2	680.6	662.0	662.6	688.2	799.0
25°	876.5	877.8	868.2	840.0	805.4	764.4	730.5	706.8	706.2	724.7	850.9
27.5°	961.0	966.7	947.5	920.6	888.6	837.4	792.6	760.6	755.5	780.4	915.5
30°	1048.1	1055.1	1036.5	1010.3	970.6	927.1	873.9	836.8	833.6	866.9	1002.0
32.5°	1135.8	1137.7	1123.0	1101.2	1065.3	1024.4	981.5	940.5	937.3	991.7	1114.0
35°	1207.5	1213.2	1203.0	1197.9	1171.6	1133.8	1092.2	1068.5	1076.9	1146.6	1259.3
37.5°	1293.9	1299.7	1288.1	1286.9	1278.5	1245.9	1217.1	1219.0	1227.3	1322.1	1412.3
40°	1418.7	1425.1	1395.7	1382.9	1382.9	1350.9	1341.3	1386.7	1397.6	1494.9	1571.8
42.5°	1524.4	1534.6	1517.3	1509.0	1484.1	1461.6	1473.2	1537.2	1555.8	1660.1	1710.7
45°	1575.6	1583.3	1603.8	1628.1	1603.8	1564.7	1608.3	1680.6	1706.8	1812.5	1849.6
47.5°	1603.1	1610.2	1633.9	1699.2	1715.8	1683.2	1744.6	1834.9	1852.8	1963.6	1982.1
50°	1607.0	1629.4	1660.1	1725.4	1801.6	1806.1	1881.6	1991.8	2012.9	2112.1	2098.7
52.5°	1575.6	1584.6	1647.9	1758.1	1842.6	1919.4	2030.8	2142.2	2157.6	2251.7	2201.7
55°	1524.4	1537.2	1600.6	1750.4	1882.3	2027.0	2182.5	2290.1	2307.4	2387.4	2297.1
57.5°	1478.3	1484.7	1552.6	1728.0	1922.0	2134.5	2317.6	2444.4	2455.9	2506.5	2367.6
60°	1427.1	1434.1	1502.0	1680.0	1951.4	2215.8	2458.5	2600.0	2610.2	2632.0	2449.5
62.5°	1294.5	1313.1	1398.3	1600.6	1943.7	2308.7	2608.9	2753.6	2766.4	2742.7	2514.2
65°	1051.3	1077.5	1181.9	1420.7	1872.0	2368.8	2731.9	2895.1	2916.9	2826.0	2531.5
67.5°	816.3	834.9	918.7	1127.4	1620.4	2338.8	2811.2	2992.4	2998.8	2812.5	2435.4
68°	774.0	792.6	872.6	1066.0	1550.6	2302.9	2809.3	2995.0	3009.1	2797.8	2398.3
70°	592.2	613.3	689.5	844.5	1249.7	2075.0	2692.2	2933.5	2931.6	2619.8	2167.8
72.5°	370.1	382.2	434.7	532.7	826.5	1578.8	2285.0	2587.2	2592.3	2135.8	1662.7
75°	235.0	235.0	232.4	258.0	423.8	899.5	1698.5	1991.8	1995.6	1495.6	1048.1
77.5°	204.2	198.5	170.9	144.7	169.0	349.6	1005.2	1286.2	1265.1	805.4	497.5
80°	172.2	162.6	140.2	116.5	108.8	109.5	386.1	653.0	624.9	290.0	165.2
82.5°	124.2	115.9	105.6	91.6	83.9	65.3	80.7	188.9	184.4	83.9	53.8
85°	67.2	60.8	59.5	60.2	50.6	40.3	33.9	41.6	41.6	36.5	30.7
87.5°	23.7	17.3	20.5	23.0	19.8	16.6	13.4	16.0	16.6	16.0	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1209975

CATALOG NUMBER: ARCH1-40-722-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5
2.5°	637.0	643.4	658.8	672.2	681.8	690.2	694.6	696.6	701.1	701.7	700.4
5°	642.1	658.8	681.8	701.7	712.6	717.1	718.3	719.0	717.1	718.3	717.1
7.5°	655.6	676.7	709.4	726.7	728.6	721.5	722.2	719.6	722.2	724.7	724.7
10°	676.1	703.0	733.7	740.1	731.8	727.9	735.6	751.0	756.1	763.2	763.2
12.5°	703.0	735.0	756.8	751.0	743.3	756.1	778.5	793.9	799.0	801.6	799.6
15°	733.7	768.3	779.2	760.0	774.0	801.6	809.2	800.3	787.5	781.7	784.9
17.5°	772.8	801.6	795.2	782.4	814.4	818.2	793.2	764.4	743.9	736.3	741.4
20°	813.7	838.7	809.2	815.0	834.9	793.9	746.5	709.4	691.4	688.2	693.4
22.5°	857.3	873.3	823.3	852.8	823.3	740.1	683.1	663.9	659.4	664.6	669.0
25°	906.6	904.6	847.7	864.3	780.4	674.2	640.2	638.9	638.9	642.1	648.6
27.5°	962.3	932.2	872.0	848.9	706.2	619.7	613.3	614.0	612.1	612.7	615.9
30°	1026.9	969.3	898.9	798.4	622.9	578.8	576.2	574.3	569.8	568.5	569.8
32.5°	1108.2	1008.4	926.4	715.1	550.0	536.5	535.2	525.0	514.1	512.8	517.3
35°	1211.3	1079.4	940.5	610.8	489.8	489.1	484.7	468.6	454.6	454.6	451.4
37.5°	1329.1	1171.0	946.3	509.0	439.8	443.0	430.2	409.7	398.9	392.5	394.4
40°	1449.5	1275.3	945.6	420.0	396.3	396.9	387.3	362.4	335.5	319.5	323.3
42.5°	1565.4	1370.1	929.0	372.6	361.1	359.2	351.5	317.6	295.1	282.3	283.0
45°	1658.2	1468.0	903.4	344.4	329.1	332.3	315.0	294.5	274.0	262.5	261.9
47.5°	1751.0	1542.3	862.4	327.2	305.4	299.6	292.6	278.5	263.1	250.3	251.0
50°	1835.5	1605.7	824.0	315.6	283.6	268.9	270.2	261.9	248.4	236.9	236.2
52.5°	1895.1	1647.3	802.8	309.2	257.4	241.4	245.8	241.4	228.6	220.2	219.6
55°	1954.6	1679.3	809.9	300.9	228.6	215.8	223.4	222.2	215.1	212.6	213.2
57.5°	2002.6	1703.6	834.9	285.5	201.0	193.3	206.2	202.3	197.2	197.8	197.8
60°	2049.4	1735.0	864.3	250.3	177.3	178.0	190.1	183.1	179.9	185.7	186.3
62.5°	2098.0	1769.0	840.0	199.1	156.9	161.3	175.4	169.7	170.9	179.3	181.8
65°	2092.3	1765.8	684.4	163.3	138.9	147.9	169.0	167.1	167.7	170.9	172.2
67.5°	1974.5	1653.1	470.6	138.9	126.1	137.0	163.9	156.2	156.9	154.9	155.6
68°	1934.8	1613.4	414.9	135.1	123.6	134.4	161.3	154.3	154.9	153.0	152.4
70°	1718.4	1381.6	262.5	119.1	114.6	127.4	148.5	146.0	145.3	144.1	144.1
72.5°	1309.9	1019.9	138.3	103.1	104.4	116.5	132.5	137.6	134.4	135.1	138.9
75°	867.5	613.3	96.0	88.4	91.6	99.9	117.8	128.0	124.8	126.8	124.8
77.5°	459.0	330.4	76.8	74.9	74.9	80.7	97.3	113.3	113.3	112.0	110.1
80°	150.5	116.5	61.5	58.9	60.2	63.4	78.1	92.8	94.8	92.2	90.9
82.5°	50.6	53.8	46.1	42.9	44.2	46.7	58.9	71.1	71.7	66.6	65.3
85°	31.4	35.9	28.8	28.2	28.2	28.8	35.9	39.1	35.9	32.0	33.3
87.5°	14.7	17.9	13.4	11.5	9.6	8.3	6.4	2.6	2.6	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)