

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: P1210054

Luminaire Tested: **ARCH1-60-740-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-60-740-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

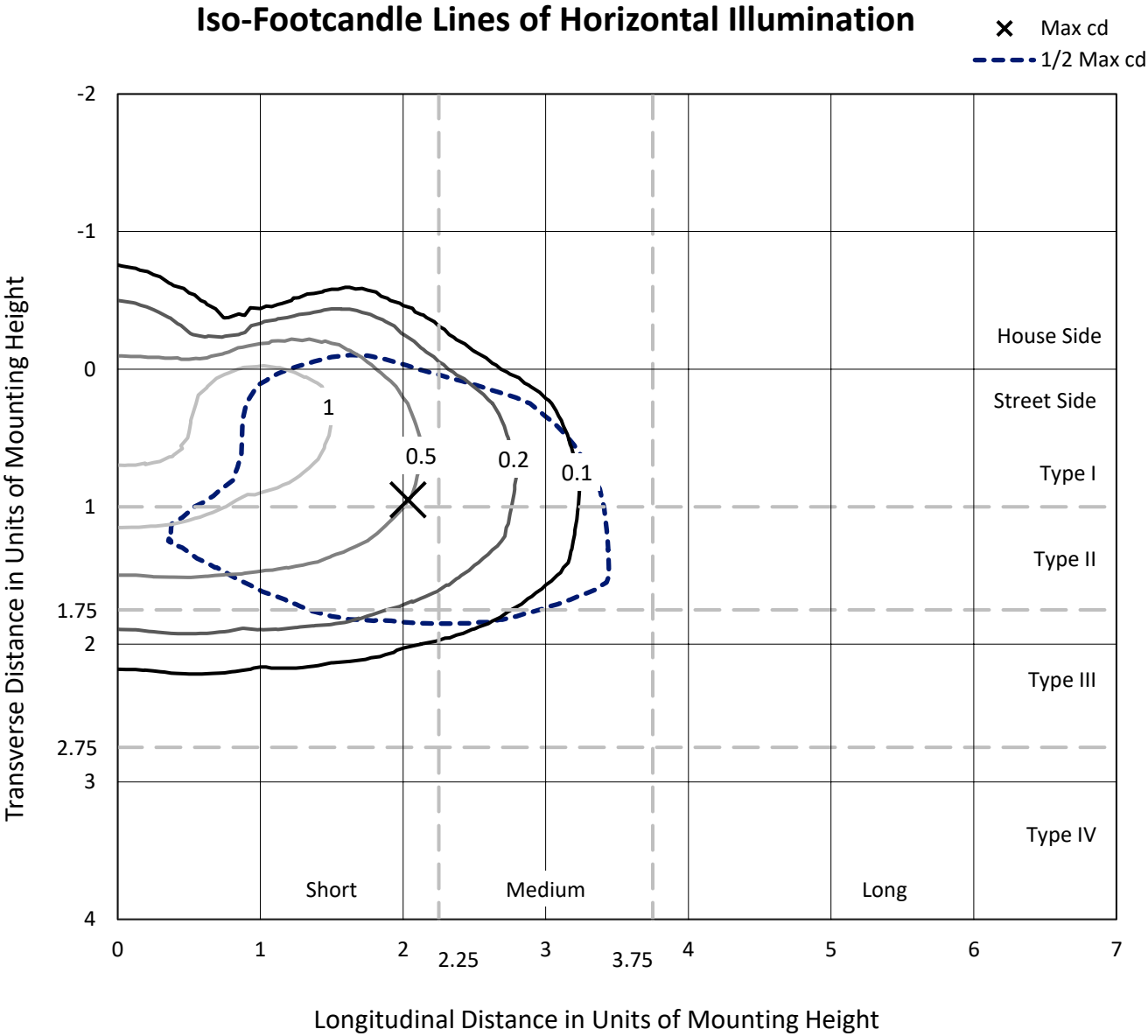
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5340 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 60
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

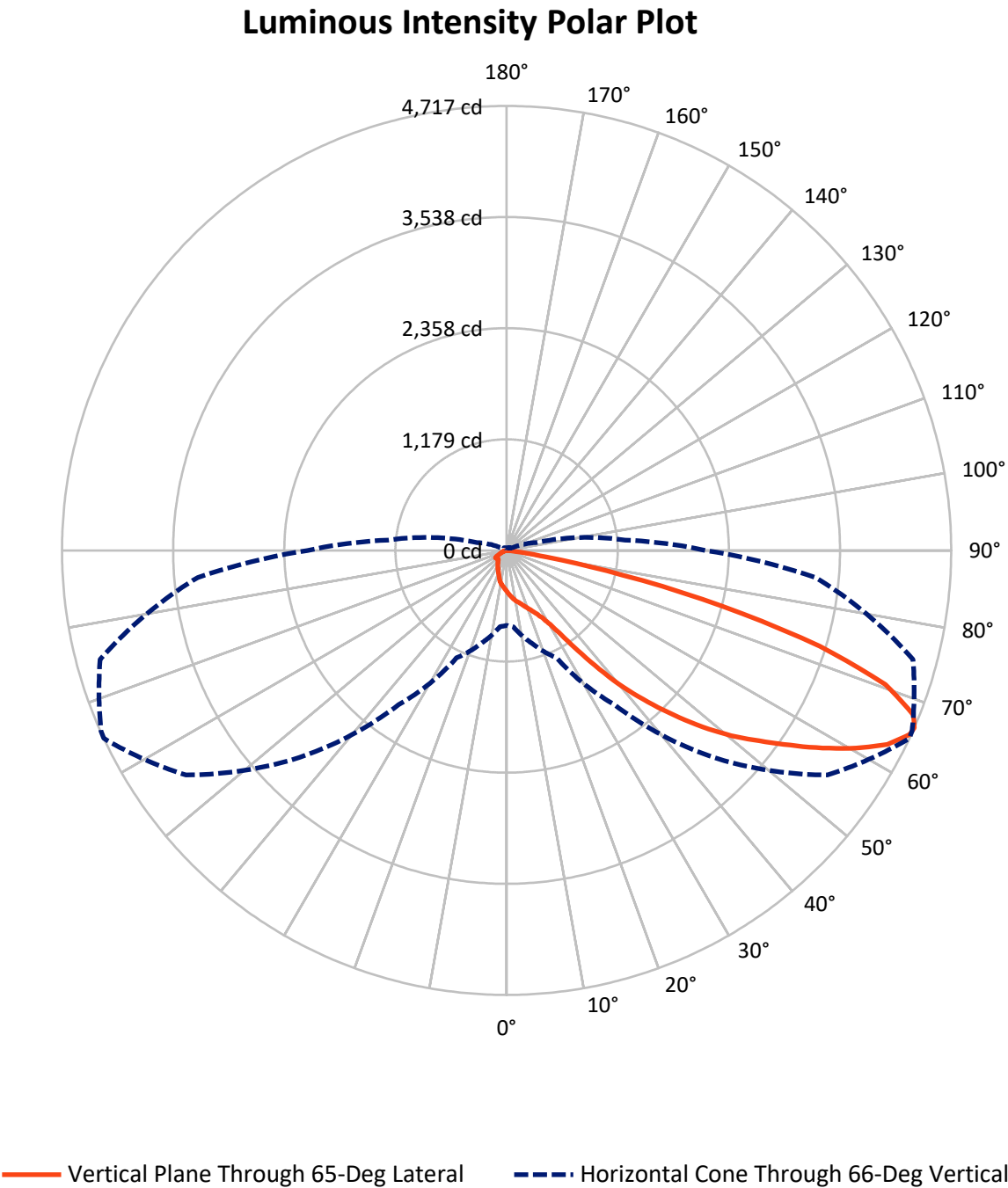


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Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type III - Short - N/A

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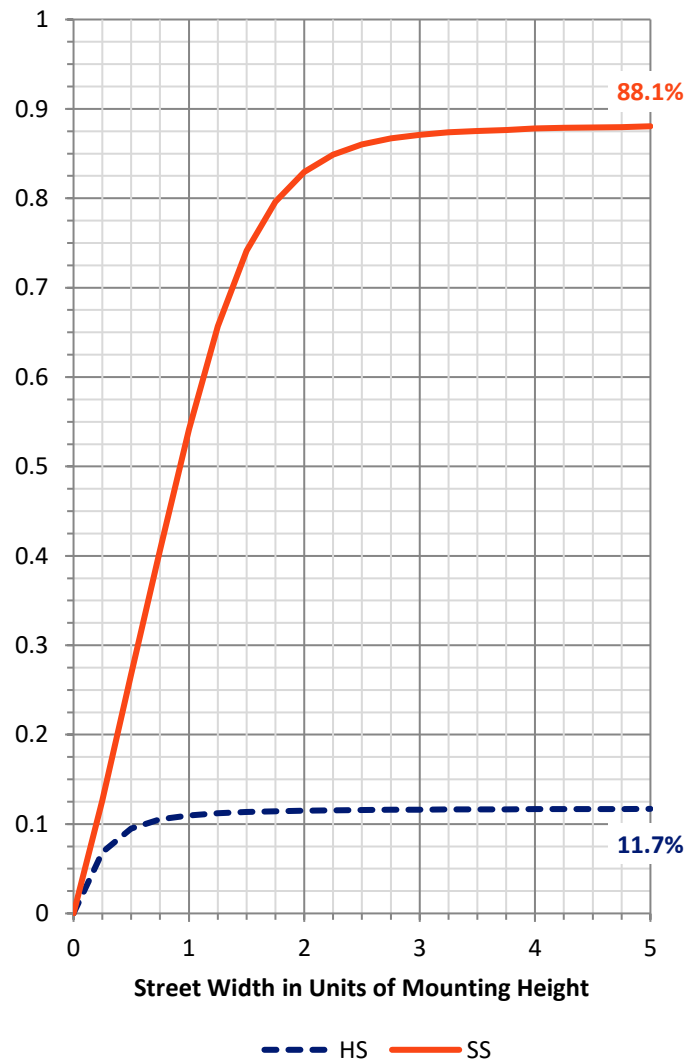
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	630.2	0.0	630.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4709.8	0.0	4709.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	5340.0	0.0	5340.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	0.8
10°-20°	122.1	2.3
20°-30°	223.5	4.2
30°-40°	454.1	8.5
40°-50°	958.9	18.0
50°-60°	1474.2	27.6
60°-70°	1483.9	27.8
70°-80°	554.4	10.4
80°-90°	27.7	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°	5340.0	100.0
0°-180°	5340.0	100.0

Coefficient of Utilization



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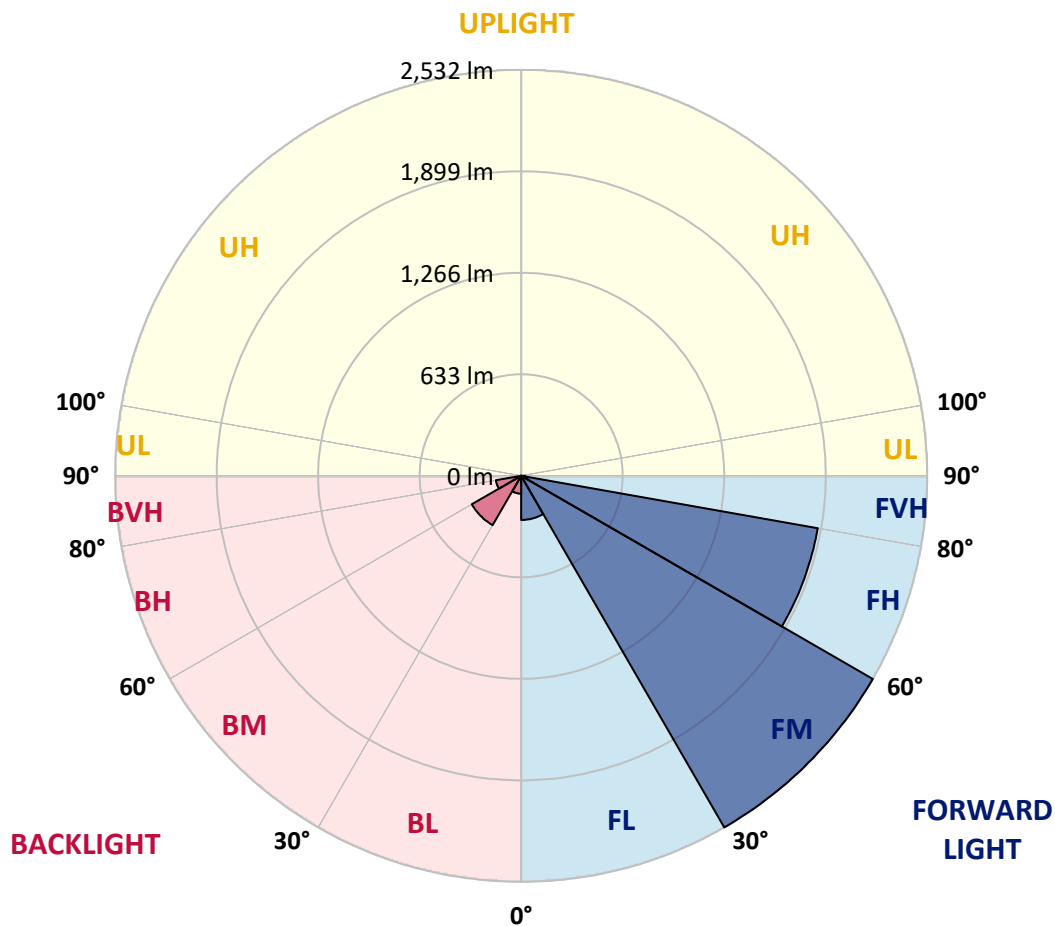
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	275.3	5.2			
FM	(30°-60°)	2531.9	47.4			
FH	(60°-80°)	1878.2	35.2			G2/5000
FVH	(80°-90°)	24.4	0.5			G1/100
BL	(0°-30°)	111.5	2.1	B1/500		
BM	(30°-60°)	355.3	6.7	B1/1000		
BH	(60°-80°)	160.1	3.0	B1/500		G1/500
BVH	(80°-90°)	3.3	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	435.1	435.1	435.1	435.1	435.1	435.1	435.1	435.1	435.1	435.1	435.1
2.5°	496.1	497.1	495.1	491.3	487.4	482.5	474.8	462.2	460.3	451.5	441.8
5°	530.0	532.0	529.0	528.1	526.1	519.4	508.7	490.3	488.4	470.9	448.6
7.5°	541.6	544.6	542.6	542.6	542.6	539.7	534.9	518.4	515.5	493.2	459.3
10°	550.4	552.3	551.3	555.2	558.1	556.2	553.3	543.6	540.7	518.4	473.8
12.5°	563.9	564.9	565.9	567.8	572.7	574.6	573.6	564.9	563.0	547.5	492.2
15°	576.5	576.5	577.5	586.2	593.0	596.9	597.8	591.1	589.1	576.5	515.5
17.5°	588.2	589.1	592.0	601.7	613.3	621.1	625.9	623.0	620.1	610.4	542.6
20°	605.6	607.5	610.4	624.0	635.6	648.2	657.9	656.9	656.0	649.2	574.6
22.5°	635.6	637.6	642.4	655.0	666.6	682.1	698.6	697.6	694.7	689.9	612.4
25°	681.2	681.2	684.1	694.7	709.3	727.7	743.2	746.1	743.2	740.3	659.9
27.5°	738.3	739.3	739.3	750.9	764.5	787.8	807.1	810.0	810.0	807.1	723.8
30°	817.8	814.9	813.0	822.6	837.2	871.1	905.0	910.8	907.9	912.8	813.9
32.5°	954.4	949.6	933.1	935.0	943.8	990.3	1047.4	1067.8	1066.8	1075.5	959.3
35°	1143.4	1133.7	1109.5	1089.1	1088.1	1138.5	1225.7	1302.3	1301.3	1331.3	1180.2
37.5°	1356.5	1369.1	1323.6	1288.7	1278.0	1317.8	1430.2	1595.9	1604.6	1656.9	1469.9
40°	1641.4	1649.2	1591.0	1541.6	1491.2	1505.8	1654.0	1911.7	1927.2	1985.4	1759.6
42.5°	1889.5	1897.2	1863.3	1803.2	1739.3	1712.1	1879.8	2198.6	2211.2	2291.6	2058.1
45°	2058.1	2063.9	2075.5	2081.3	2008.6	1952.4	2155.9	2493.1	2508.6	2601.6	2349.7
47.5°	2189.8	2194.7	2217.9	2276.1	2261.5	2217.0	2436.9	2799.3	2803.2	2906.9	2633.6
50°	2250.9	2262.5	2319.7	2408.8	2472.8	2485.4	2742.1	3089.0	3099.7	3198.5	2902.0
52.5°	2183.1	2186.9	2331.3	2498.9	2627.8	2755.7	3048.3	3357.4	3388.4	3462.1	3143.3
55°	1954.4	1982.5	2201.5	2496.0	2749.9	3012.5	3375.8	3647.1	3675.2	3721.7	3355.5
57.5°	1688.9	1719.9	1986.4	2371.0	2802.2	3249.9	3679.1	3955.3	3974.6	3987.2	3550.2
60°	1459.2	1488.3	1762.5	2131.7	2749.9	3417.5	3961.1	4261.5	4277.9	4244.0	3648.1
62.5°	1177.3	1206.3	1482.5	1814.8	2544.5	3451.4	4170.4	4533.7	4540.5	4448.5	3588.0
65°	887.6	906.9	1137.6	1422.4	2185.0	3271.2	4217.9	4703.3	4696.5	4507.6	3407.8
66°	795.5	812.0	1015.5	1257.7	1998.0	3106.5	4153.9	4716.9	4710.1	4464.0	3289.6
67.5°	686.0	690.9	858.5	1029.0	1671.4	2756.7	3959.1	4654.8	4660.7	4343.8	3073.5
70°	535.8	534.9	631.8	716.1	1141.4	1961.2	3302.2	4264.4	4292.5	3890.3	2621.0
72.5°	343.0	331.4	387.6	438.0	664.7	1138.5	2407.8	3475.6	3523.1	3056.1	1952.4
75°	204.4	192.8	206.4	219.0	318.8	547.5	1415.6	2365.2	2410.8	1959.2	1161.8
77.5°	153.1	148.2	149.2	138.6	141.5	205.4	646.3	1249.9	1282.9	802.3	440.9
80°	117.2	104.6	97.9	102.7	93.0	81.4	240.3	430.2	450.6	189.9	92.1
82.5°	78.5	67.8	63.0	68.8	59.1	45.5	58.1	83.3	81.4	51.4	35.9
85°	40.7	34.9	34.9	34.9	30.0	22.3	25.2	33.9	33.9	27.1	21.3
87.5°	11.6	10.7	12.6	11.6	8.7	8.7	9.7	11.6	11.6	10.7	9.7
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°	435.1	435.1	435.1	435.1	435.1	435.1	435.1	435.1	435.1	435.1	435.1
2.5°	434.1	430.2	419.6	411.8	404.1	397.3	389.5	387.6	383.7	384.7	382.7
5°	437.0	426.3	407.9	390.5	376.9	365.3	350.8	344.9	337.2	334.3	332.4
7.5°	440.9	425.4	398.2	374.0	350.8	327.5	304.3	290.7	282.0	278.1	275.2
10°	449.6	429.2	393.4	355.6	315.9	282.9	259.7	250.0	244.2	243.2	242.2
12.5°	461.2	435.1	388.6	332.4	280.0	249.0	234.5	231.6	230.6	230.6	229.6
15°	478.7	444.7	380.8	305.2	251.9	230.6	223.8	219.0	217.0	217.0	217.0
17.5°	496.1	456.4	369.2	277.1	232.5	219.0	212.2	209.3	207.4	208.3	207.4
20°	518.4	469.9	353.7	252.9	220.0	209.3	202.5	199.6	198.6	198.6	198.6
22.5°	543.6	485.4	334.3	234.5	209.3	199.6	192.8	189.9	188.0	188.9	188.9
25°	577.5	504.8	313.9	216.1	198.6	189.9	182.2	178.3	178.3	179.3	180.2
27.5°	621.1	528.1	293.6	204.4	188.9	180.2	171.5	167.6	168.6	170.5	170.5
30°	685.0	560.1	273.2	191.9	178.3	168.6	160.8	157.0	158.9	162.8	162.8
32.5°	776.1	612.4	255.8	177.3	162.8	152.1	144.4	141.5	146.3	154.1	154.1
35°	938.9	708.3	245.1	162.8	146.3	133.7	124.0	121.1	127.9	137.6	137.6
37.5°	1156.9	862.4	249.0	150.2	132.7	118.2	107.6	103.7	108.5	117.2	120.2
40°	1400.1	1048.4	282.9	139.5	120.2	105.6	95.0	91.1	94.0	97.9	98.8
42.5°	1643.3	1246.1	346.9	131.8	110.5	95.0	85.3	82.4	84.3	85.3	86.2
45°	1885.6	1441.8	427.3	126.9	101.7	86.2	76.5	76.5	77.5	77.5	77.5
47.5°	2115.2	1632.7	511.6	126.0	94.0	77.5	69.8	70.7	70.7	71.7	71.7
50°	2332.3	1803.2	596.9	128.9	87.2	69.8	64.0	64.0	64.0	64.9	64.0
52.5°	2513.5	1952.4	686.0	133.7	80.4	64.0	58.1	58.1	58.1	59.1	58.1
55°	2685.0	2088.1	777.1	140.5	74.6	59.1	53.3	51.4	51.4	52.3	51.4
57.5°	2824.5	2178.2	863.3	141.5	69.8	54.3	49.4	46.5	46.5	46.5	46.5
60°	2830.3	2125.9	888.5	124.0	64.0	49.4	44.6	40.7	41.7	41.7	41.7
62.5°	2645.2	1850.7	714.1	93.0	57.2	44.6	40.7	36.8	36.8	36.8	36.8
65°	2281.9	1439.9	418.6	73.6	49.4	39.7	35.9	32.9	32.9	32.9	32.0
66°	2111.3	1262.5	320.7	66.9	46.5	38.8	34.9	32.0	31.0	30.0	30.0
67.5°	1833.3	998.0	200.6	59.1	42.6	35.9	32.0	29.1	28.1	27.1	27.1
70°	1380.8	633.7	97.9	45.5	36.8	31.0	28.1	25.2	24.2	23.3	22.3
72.5°	969.0	371.1	51.4	34.9	30.0	27.1	24.2	21.3	20.3	19.4	19.4
75°	547.5	179.3	33.9	25.2	24.2	22.3	20.3	17.4	16.5	16.5	16.5
77.5°	207.4	62.0	23.3	18.4	19.4	17.4	14.5	14.5	13.6	14.5	13.6
80°	54.3	27.1	14.5	13.6	14.5	12.6	10.7	11.6	11.6	11.6	11.6
82.5°	29.1	15.5	8.7	9.7	8.7	8.7	6.8	7.8	8.7	7.8	8.7
85°	20.3	7.8	4.8	4.8	3.9	3.9	2.9	3.9	4.8	3.9	3.9
87.5°	10.7	2.9	2.9	2.9	2.9	1.9	1.0	0.0	1.0	1.0	1.0
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)