

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: P1210686

Luminaire Tested: **ARCH3-40-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210686
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: ARCH3-40-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 345mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

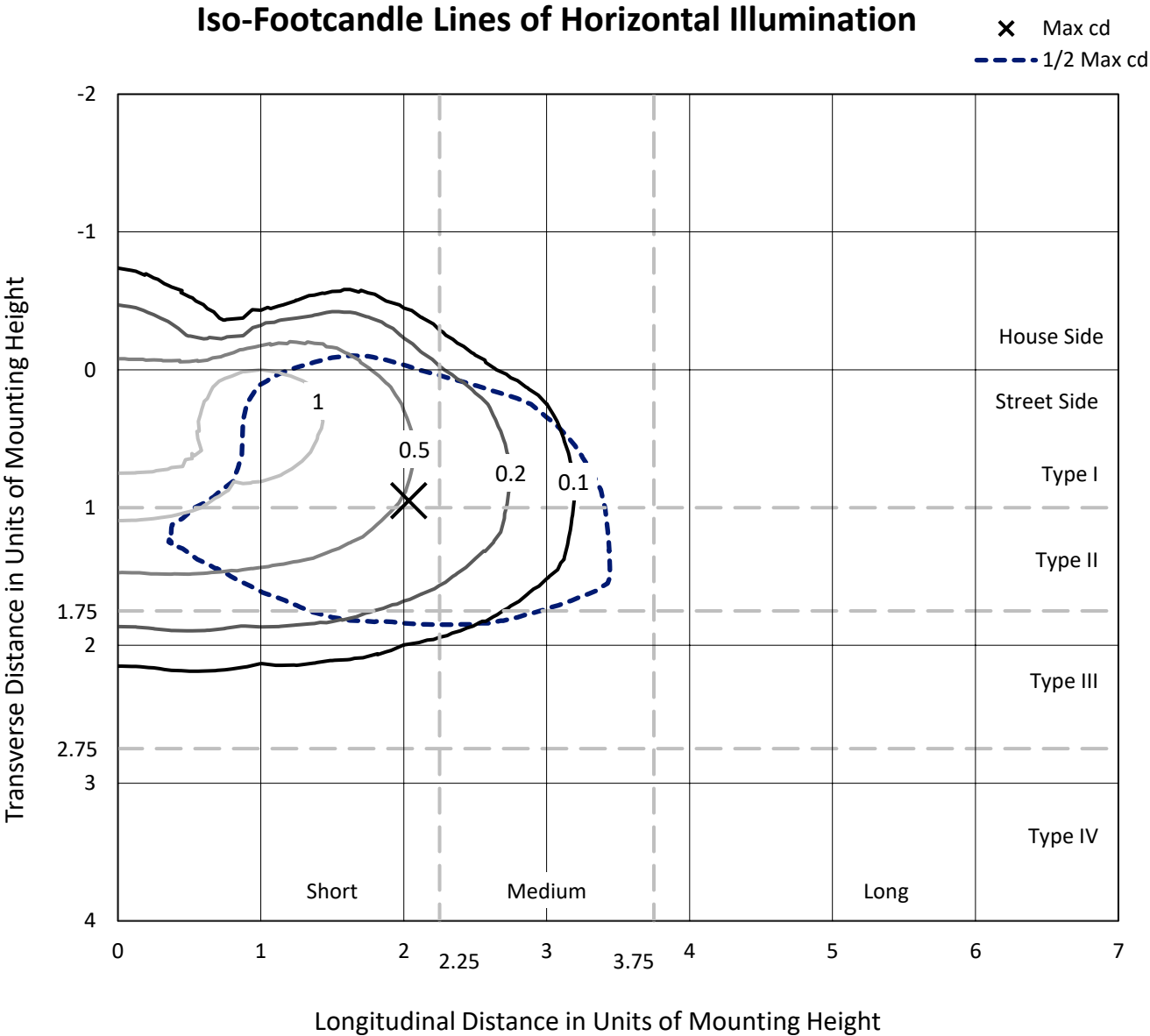
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5003 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 43.6
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

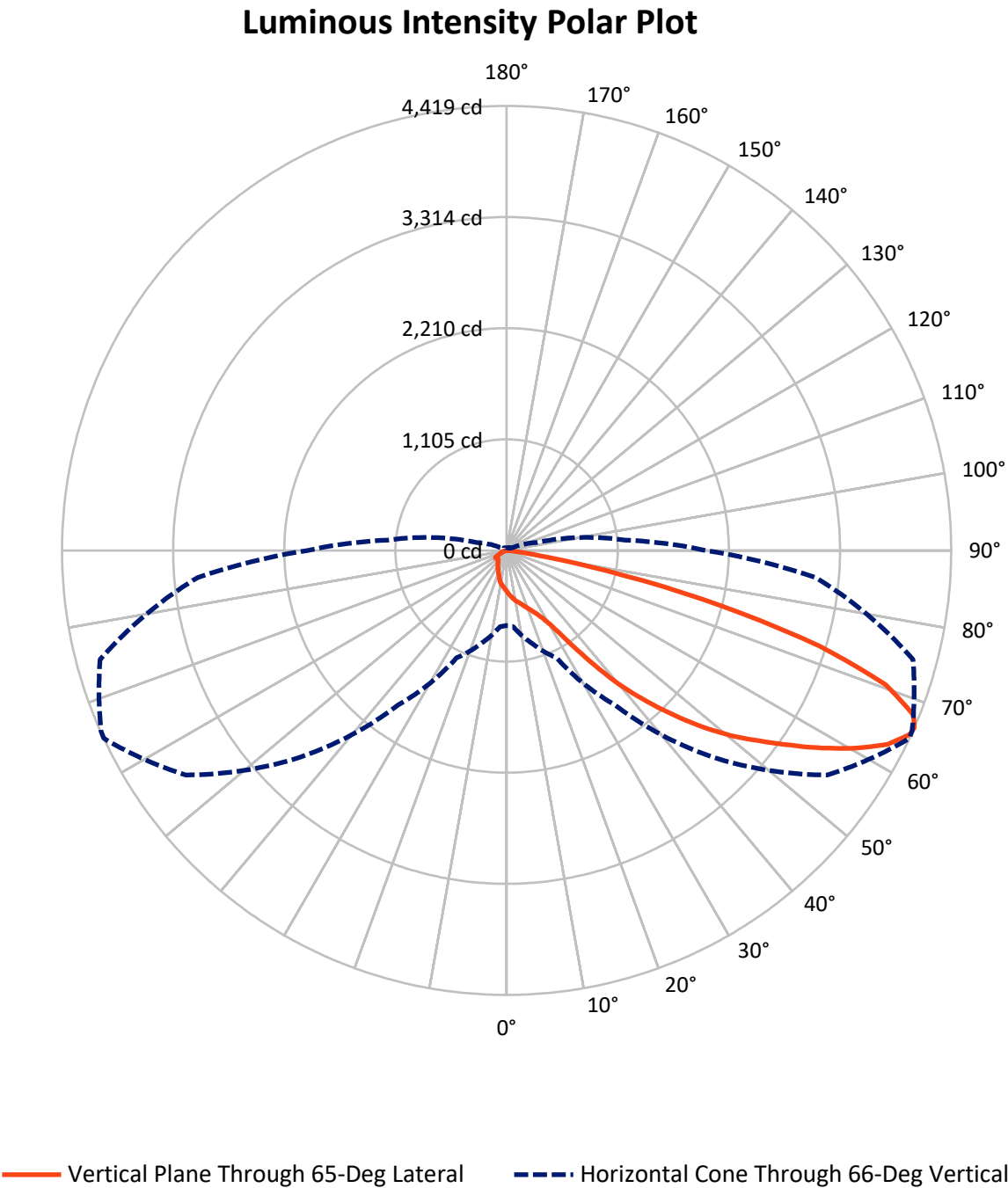


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Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type III - Short - N/A

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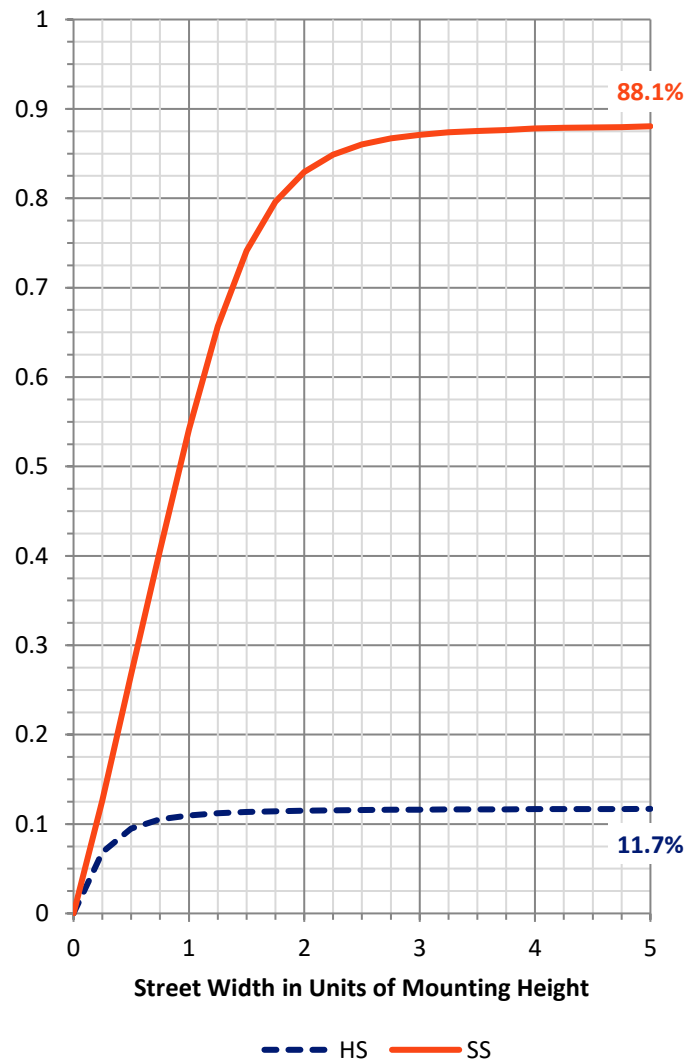
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	590.5	0.0	590.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4412.6	0.0	4412.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	5003.0	0.0	5003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	0.8
10°-20°	114.4	2.3
20°-30°	209.4	4.2
30°-40°	425.4	8.5
40°-50°	898.4	18.0
50°-60°	1381.1	27.6
60°-70°	1390.2	27.8
70°-80°	519.5	10.4
80°-90°	26.0	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°	5003.0	100.0
0°-180°	5003.0	100.0

Coefficient of Utilization



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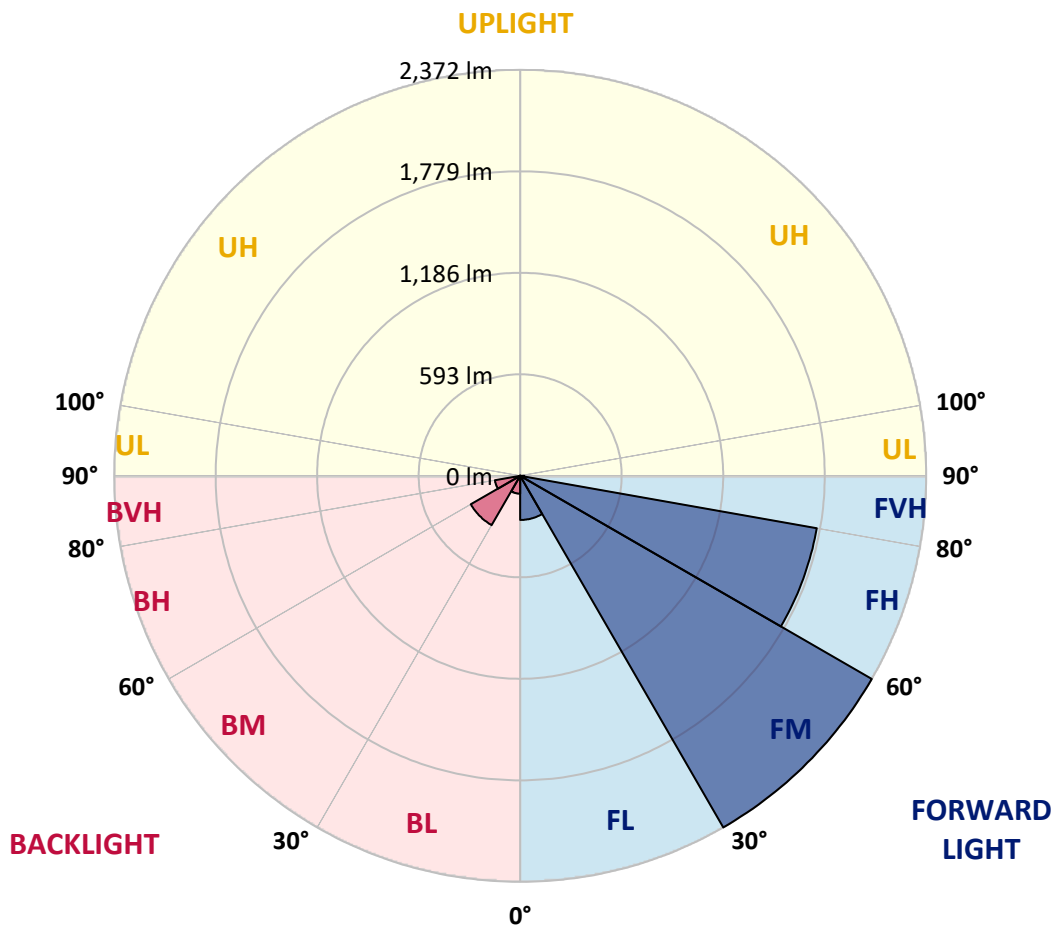
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.9	5.2			
FM	(30°-60°)	2372.1	47.4			
FH	(60°-80°)	1759.7	35.2			G1/1800
FVH	(80°-90°)	22.9	0.5			G1/100
BL	(0°-30°)	104.5	2.1	B0/110		
BM	(30°-60°)	332.9	6.7	B1/1000		
BH	(60°-80°)	150.0	3.0	B1/500		G1/500
BVH	(80°-90°)	3.0	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6
2.5°	464.8	465.7	463.9	460.3	456.6	452.1	444.8	433.0	431.2	423.0	414.0
5°	496.6	498.4	495.7	494.8	492.9	486.6	476.6	459.3	457.5	441.2	420.3
7.5°	507.5	510.2	508.4	508.4	508.4	505.6	501.1	485.7	483.0	462.1	430.3
10°	515.6	517.4	516.5	520.2	522.9	521.1	518.4	509.3	506.6	485.7	443.9
12.5°	528.3	529.2	530.2	532.0	536.5	538.3	537.4	529.2	527.4	512.9	461.2
15°	540.1	540.1	541.1	549.2	555.6	559.2	560.1	553.8	551.9	540.1	483.0
17.5°	551.0	551.9	554.7	563.7	574.6	581.9	586.4	583.7	581.0	571.9	508.4
20°	567.4	569.2	571.9	584.6	595.5	607.3	616.4	615.5	614.6	608.2	538.3
22.5°	595.5	597.3	601.9	613.7	624.6	639.1	654.5	653.6	650.9	646.4	573.7
25°	638.2	638.2	640.9	650.9	664.5	681.8	696.3	699.0	696.3	693.6	618.2
27.5°	691.7	692.7	692.7	703.5	716.3	738.0	756.2	758.9	758.9	756.2	678.1
30°	766.2	763.5	761.6	770.7	784.3	816.1	847.9	853.3	850.6	855.2	762.6
32.5°	894.2	889.6	874.2	876.0	884.2	927.8	981.3	1000.4	999.5	1007.7	898.7
35°	1071.2	1062.1	1039.4	1020.4	1019.5	1066.7	1148.4	1220.1	1219.2	1247.3	1105.7
37.5°	1270.9	1282.7	1240.1	1207.4	1197.4	1234.6	1339.9	1495.2	1503.3	1552.3	1377.1
40°	1537.8	1545.1	1490.6	1444.3	1397.1	1410.7	1549.6	1791.1	1805.6	1860.1	1648.6
42.5°	1770.2	1777.5	1745.7	1689.4	1629.5	1604.1	1761.1	2059.8	2071.6	2147.0	1928.2
45°	1928.2	1933.6	1944.5	1950.0	1881.9	1829.2	2019.9	2335.8	2350.3	2437.5	2201.4
47.5°	2051.6	2056.2	2078.0	2132.4	2118.8	2077.1	2283.1	2622.6	2626.3	2723.4	2467.4
50°	2108.8	2119.7	2173.3	2256.8	2316.7	2328.5	2569.1	2894.1	2904.1	2996.7	2718.9
52.5°	2045.3	2048.9	2184.2	2341.2	2462.0	2581.8	2855.9	3145.5	3174.6	3243.6	2944.9
55°	1831.0	1857.4	2062.5	2338.5	2576.3	2822.4	3162.8	3417.0	3443.3	3486.9	3143.7
57.5°	1582.3	1611.4	1861.0	2221.4	2625.4	3044.8	3446.9	3705.7	3723.8	3735.6	3326.2
60°	1367.2	1394.4	1651.3	1997.2	2576.3	3201.8	3711.1	3992.5	4008.0	3976.2	3417.9
62.5°	1103.0	1130.2	1388.9	1700.3	2383.9	3233.6	3907.2	4247.6	4254.0	4167.7	3361.6
65°	831.5	849.7	1065.8	1332.7	2047.1	3064.7	3951.7	4406.5	4400.1	4223.1	3192.7
66°	745.3	760.7	951.4	1178.3	1871.9	2910.4	3891.8	4419.2	4412.8	4182.3	3082.0
67.5°	642.7	647.3	804.3	964.1	1566.0	2582.7	3709.3	4361.1	4366.5	4069.7	2879.6
70°	502.0	501.1	591.9	670.9	1069.4	1837.4	3093.8	3995.2	4021.6	3644.8	2455.6
72.5°	321.4	310.5	363.1	410.3	622.8	1066.7	2255.9	3256.3	3300.8	2863.2	1829.2
75°	191.5	180.7	193.4	205.2	298.7	512.9	1326.3	2215.9	2258.6	1835.6	1088.5
77.5°	143.4	138.9	139.8	129.8	132.5	192.5	605.5	1171.1	1201.9	751.7	413.1
80°	109.8	98.0	91.7	96.2	87.1	76.3	225.1	403.1	422.1	177.9	86.2
82.5°	73.5	63.5	59.0	64.5	55.4	42.7	54.5	78.1	76.3	48.1	33.6
85°	38.1	32.7	32.7	32.7	28.1	20.9	23.6	31.8	31.8	25.4	20.0
87.5°	10.9	10.0	11.8	10.9	8.2	8.2	9.1	10.9	10.9	10.0	9.1
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°	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6
2.5°	406.7	403.1	393.1	385.8	378.6	372.2	364.9	363.1	359.5	360.4	358.6
5°	409.4	399.4	382.2	365.8	353.1	342.2	328.6	323.2	315.9	313.2	311.4
7.5°	413.1	398.5	373.1	350.4	328.6	306.8	285.1	272.3	264.2	260.5	257.8
10°	421.2	402.2	368.6	333.2	295.9	265.1	243.3	234.2	228.8	227.9	227.0
12.5°	432.1	407.6	364.0	311.4	262.4	233.3	219.7	217.0	216.1	216.1	215.1
15°	448.5	416.7	356.8	286.0	236.0	216.1	209.7	205.2	203.3	203.3	203.3
17.5°	464.8	427.6	345.9	259.6	217.9	205.2	198.8	196.1	194.3	195.2	194.3
20°	485.7	440.3	331.3	236.9	206.1	196.1	189.7	187.0	186.1	186.1	186.1
22.5°	509.3	454.8	313.2	219.7	196.1	187.0	180.7	177.9	176.1	177.0	177.0
25°	541.1	473.0	294.1	202.4	186.1	177.9	170.7	167.0	167.0	167.9	168.9
27.5°	581.9	494.8	275.1	191.5	177.0	168.9	160.7	157.0	158.0	159.8	159.8
30°	641.8	524.7	256.0	179.7	167.0	158.0	150.7	147.1	148.9	152.5	152.5
32.5°	727.2	573.7	239.7	166.1	152.5	142.5	135.3	132.5	137.1	144.3	144.3
35°	879.7	663.6	229.7	152.5	137.1	125.3	116.2	113.5	119.8	128.9	128.9
37.5°	1083.9	807.9	233.3	140.7	124.4	110.8	100.8	97.1	101.7	109.8	112.6
40°	1311.8	982.2	265.1	130.7	112.6	99.0	89.0	85.3	88.1	91.7	92.6
42.5°	1539.6	1167.4	325.0	123.5	103.5	89.0	79.9	77.2	79.0	79.9	80.8
45°	1766.6	1350.8	400.3	118.9	95.3	80.8	71.7	71.7	72.6	72.6	72.6
47.5°	1981.7	1529.6	479.3	118.0	88.1	72.6	65.4	66.3	66.3	67.2	67.2
50°	2185.1	1689.4	559.2	120.7	81.7	65.4	59.9	59.9	59.9	60.8	59.9
52.5°	2354.8	1829.2	642.7	125.3	75.3	59.9	54.5	54.5	54.5	55.4	54.5
55°	2515.5	1956.3	728.1	131.6	69.9	55.4	49.9	48.1	48.1	49.0	48.1
57.5°	2646.2	2040.7	808.9	132.5	65.4	50.8	46.3	43.6	43.6	43.6	43.6
60°	2651.7	1991.7	832.5	116.2	59.9	46.3	41.8	38.1	39.0	39.0	39.0
62.5°	2478.3	1733.9	669.1	87.1	53.6	41.8	38.1	34.5	34.5	34.5	34.5
65°	2137.9	1349.0	392.2	69.0	46.3	37.2	33.6	30.9	30.9	30.9	30.0
66°	1978.1	1182.9	300.5	62.6	43.6	36.3	32.7	30.0	29.0	28.1	28.1
67.5°	1717.6	935.0	187.9	55.4	39.9	33.6	30.0	27.2	26.3	25.4	25.4
70°	1293.6	593.7	91.7	42.7	34.5	29.0	26.3	23.6	22.7	21.8	20.9
72.5°	907.8	347.7	48.1	32.7	28.1	25.4	22.7	20.0	19.1	18.2	18.2
75°	512.9	167.9	31.8	23.6	22.7	20.9	19.1	16.3	15.4	15.4	15.4
77.5°	194.3	58.1	21.8	17.2	18.2	16.3	13.6	13.6	12.7	13.6	12.7
80°	50.8	25.4	13.6	12.7	13.6	11.8	10.0	10.9	10.9	10.9	10.9
82.5°	27.2	14.5	8.2	9.1	8.2	8.2	6.4	7.3	8.2	7.3	8.2
85°	19.1	7.3	4.5	4.5	3.6	3.6	2.7	3.6	4.5	3.6	3.6
87.5°	10.0	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.9	0.9	0.9
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)