

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: P1209974

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

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209974
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: ARCH1-40-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1220mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

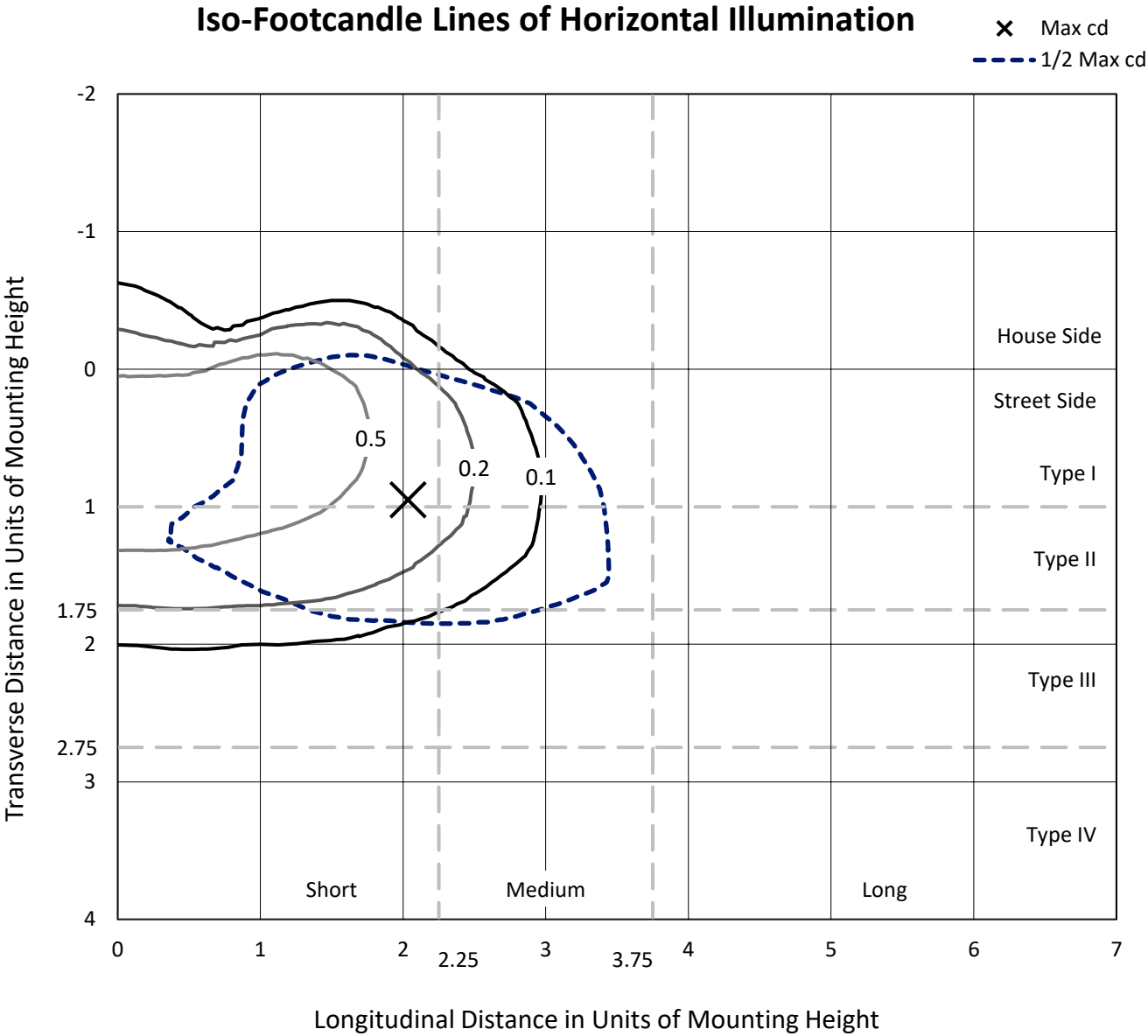
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3528 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - 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

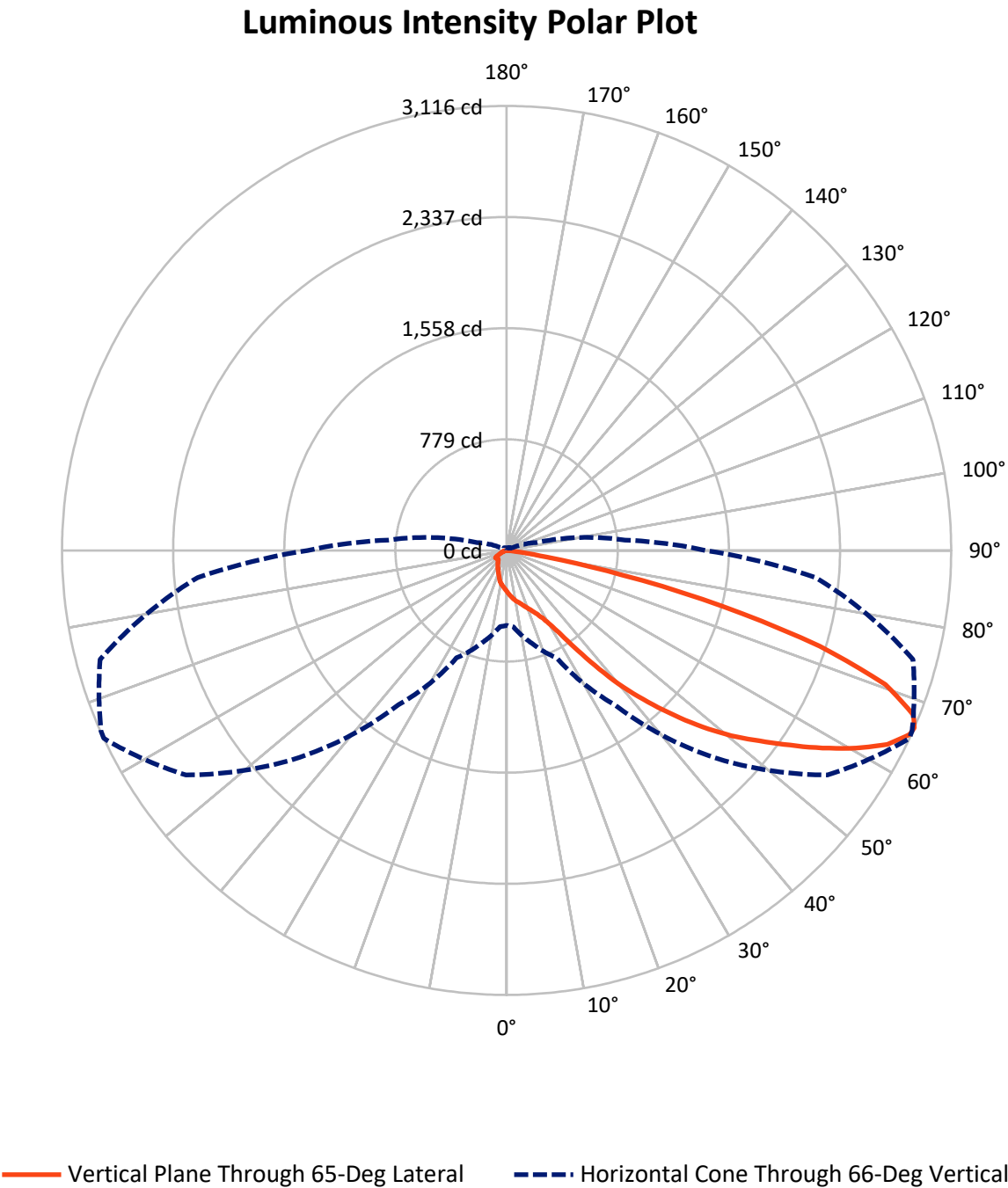


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Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type III - Short - N/A

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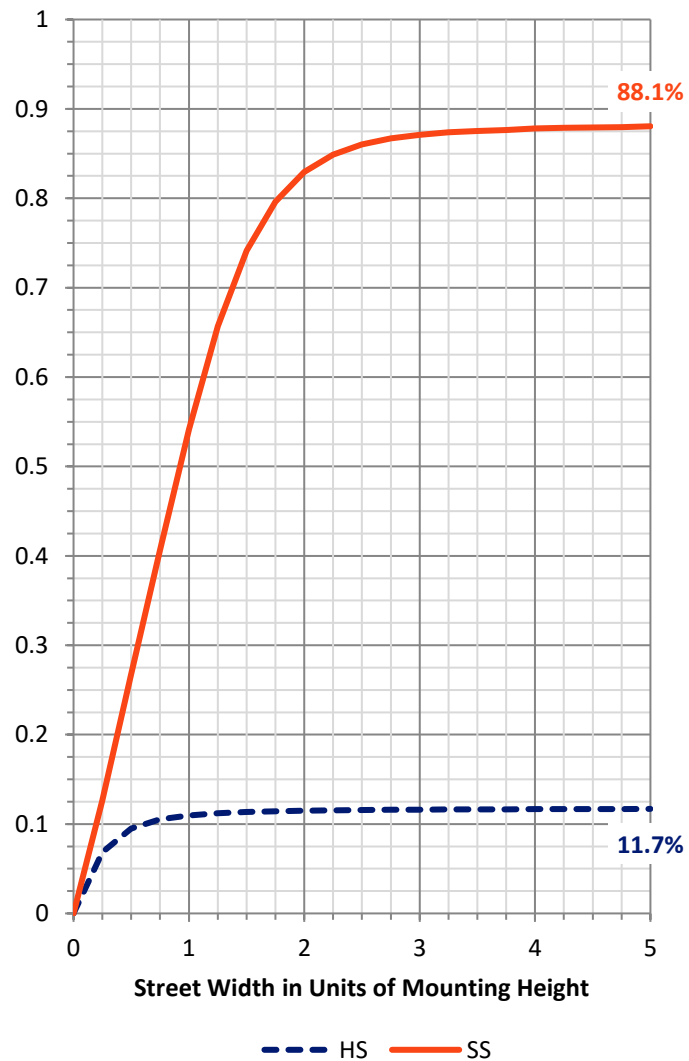
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	416.4	0.0	416.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3111.6	0.0	3111.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	3528.0	0.0	3528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	0.8
10°-20°	80.7	2.3
20°-30°	147.6	4.2
30°-40°	300.0	8.5
40°-50°	633.5	18.0
50°-60°	973.9	27.6
60°-70°	980.3	27.8
70°-80°	366.3	10.4
80°-90°	18.3	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°	3528.0	100.0
0°-180°	3528.0	100.0

Coefficient of Utilization



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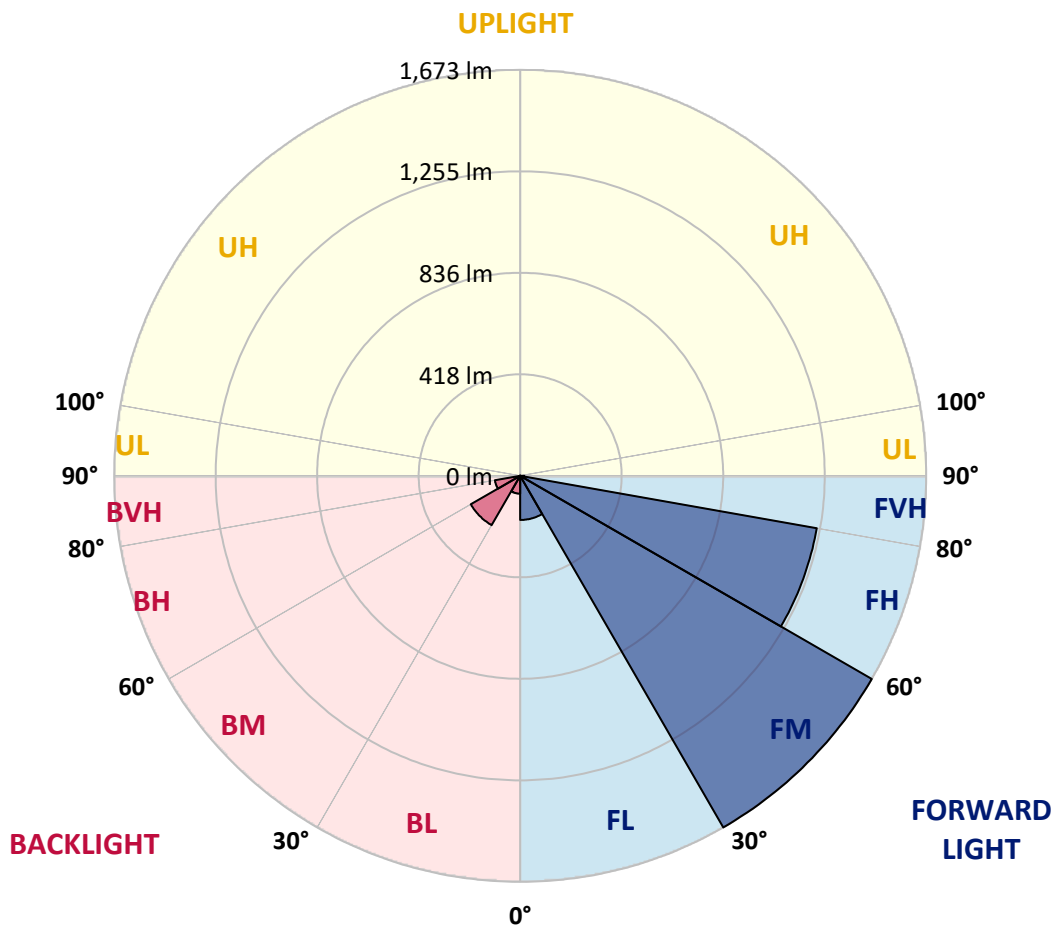
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.9	5.2			
FM	(30°-60°)	1672.7	47.4			
FH	(60°-80°)	1240.9	35.2			G1/1800
FVH	(80°-90°)	16.1	0.5			G1/100
BL	(0°-30°)	73.7	2.1	B0/110		
BM	(30°-60°)	234.8	6.7	B1/1000		
BH	(60°-80°)	105.8	3.0	B0/110		G0/110
BVH	(80°-90°)	2.2	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°	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4
2.5°	327.8	328.4	327.1	324.6	322.0	318.8	313.7	305.4	304.1	298.3	291.9
5°	350.2	351.4	349.5	348.9	347.6	343.1	336.1	323.9	322.6	311.1	296.4
7.5°	357.9	359.8	358.5	358.5	358.5	356.6	353.4	342.5	340.6	325.8	303.4
10°	363.6	364.9	364.3	366.8	368.7	367.5	365.5	359.1	357.2	342.5	313.0
12.5°	372.6	373.2	373.9	375.1	378.3	379.6	379.0	373.2	371.9	361.7	325.2
15°	380.9	380.9	381.5	387.3	391.8	394.3	395.0	390.5	389.2	380.9	340.6
17.5°	388.6	389.2	391.1	397.5	405.2	410.3	413.5	411.6	409.7	403.3	358.5
20°	400.1	401.4	403.3	412.3	419.9	428.3	434.7	434.0	433.4	428.9	379.6
22.5°	419.9	421.2	424.4	432.7	440.4	450.7	461.6	460.9	459.0	455.8	404.6
25°	450.0	450.0	452.0	459.0	468.6	480.8	491.0	492.9	491.0	489.1	436.0
27.5°	487.8	488.4	488.4	496.1	505.1	520.5	533.3	535.2	535.2	533.3	478.2
30°	540.3	538.4	537.1	543.5	553.1	575.5	597.9	601.8	599.8	603.0	537.7
32.5°	630.6	627.4	616.5	617.8	623.5	654.2	692.0	705.5	704.8	710.6	633.8
35°	755.4	749.0	733.0	719.5	718.9	752.2	809.8	860.4	859.7	879.6	779.7
37.5°	896.2	904.5	874.5	851.4	844.4	870.6	944.9	1054.3	1060.1	1094.7	971.1
40°	1084.4	1089.6	1051.1	1018.5	985.2	994.8	1092.8	1263.0	1273.3	1311.7	1162.5
42.5°	1248.3	1253.4	1231.0	1191.3	1149.1	1131.2	1241.9	1452.5	1460.8	1514.0	1359.7
45°	1359.7	1363.5	1371.2	1375.1	1327.1	1289.9	1424.4	1647.1	1657.4	1718.8	1552.4
47.5°	1446.8	1450.0	1465.3	1503.7	1494.1	1464.7	1610.0	1849.4	1852.0	1920.5	1740.0
50°	1487.1	1494.8	1532.5	1591.4	1633.7	1642.0	1811.7	2040.8	2047.9	2113.2	1917.3
52.5°	1442.3	1444.8	1540.2	1651.0	1736.1	1820.6	2013.9	2218.2	2238.6	2287.3	2076.7
55°	1291.2	1309.8	1454.4	1649.1	1816.8	1990.3	2230.3	2409.6	2428.1	2458.9	2216.9
57.5°	1115.8	1136.3	1312.3	1566.5	1851.3	2147.1	2430.7	2613.1	2625.9	2634.3	2345.6
60°	964.1	983.3	1164.5	1408.4	1816.8	2257.9	2617.0	2815.4	2826.3	2803.9	2410.2
62.5°	777.8	797.0	979.4	1199.0	1681.1	2280.3	2755.3	2995.3	2999.8	2939.0	2370.5
65°	586.4	599.2	751.6	939.8	1443.6	2161.2	2786.6	3107.3	3102.9	2978.0	2251.4
66°	525.6	536.5	670.9	830.9	1320.0	2052.4	2744.4	3116.3	3111.8	2949.2	2173.3
67.5°	453.2	456.4	567.2	679.9	1104.3	1821.3	2615.7	3075.3	3079.2	2869.8	2030.6
70°	354.0	353.4	417.4	473.1	754.1	1295.7	2181.7	2817.4	2835.9	2570.3	1731.6
72.5°	226.6	218.9	256.1	289.4	439.2	752.2	1590.8	2296.3	2327.6	2019.1	1289.9
75°	135.1	127.4	136.4	144.7	210.6	361.7	935.3	1562.6	1592.7	1294.4	767.6
77.5°	101.1	97.9	98.6	91.5	93.5	135.7	427.0	825.8	847.6	530.1	291.3
80°	77.5	69.1	64.7	67.9	61.5	53.8	158.8	284.2	297.7	125.5	60.8
82.5°	51.9	44.8	41.6	45.5	39.0	30.1	38.4	55.1	53.8	33.9	23.7
85°	26.9	23.0	23.0	23.0	19.8	14.7	16.6	22.4	22.4	17.9	14.1
87.5°	7.7	7.0	8.3	7.7	5.8	5.8	6.4	7.7	7.7	7.0	6.4
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°	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4
2.5°	286.8	284.2	277.2	272.1	266.9	262.5	257.3	256.1	253.5	254.1	252.9
5°	288.7	281.7	269.5	258.0	249.0	241.3	231.7	227.9	222.8	220.9	219.6
7.5°	291.3	281.0	263.1	247.1	231.7	216.4	201.0	192.0	186.3	183.7	181.8
10°	297.0	283.6	259.9	234.9	208.7	186.9	171.6	165.2	161.3	160.7	160.0
12.5°	304.7	287.4	256.7	219.6	185.0	164.5	154.9	153.0	152.4	152.4	151.7
15°	316.2	293.8	251.6	201.7	166.4	152.4	147.9	144.7	143.4	143.4	143.4
17.5°	327.8	301.5	243.9	183.1	153.6	144.7	140.2	138.3	137.0	137.6	137.0
20°	342.5	310.5	233.7	167.1	145.3	138.3	133.8	131.9	131.2	131.2	131.2
22.5°	359.1	320.7	220.9	154.9	138.3	131.9	127.4	125.5	124.2	124.8	124.8
25°	381.5	333.5	207.4	142.8	131.2	125.5	120.4	117.8	117.8	118.4	119.1
27.5°	410.3	348.9	194.0	135.1	124.8	119.1	113.3	110.7	111.4	112.7	112.7
30°	452.6	370.0	180.5	126.8	117.8	111.4	106.3	103.7	105.0	107.5	107.5
32.5°	512.8	404.6	169.0	117.1	107.5	100.5	95.4	93.5	96.7	101.8	101.8
35°	620.3	468.0	162.0	107.5	96.7	88.3	81.9	80.0	84.5	90.9	90.9
37.5°	764.4	569.7	164.5	99.2	87.7	78.1	71.1	68.5	71.7	77.5	79.4
40°	925.0	692.7	186.9	92.2	79.4	69.8	62.7	60.2	62.1	64.7	65.3
42.5°	1085.7	823.2	229.2	87.1	73.0	62.7	56.3	54.4	55.7	56.3	57.0
45°	1245.8	952.6	282.3	83.9	67.2	57.0	50.6	50.6	51.2	51.2	51.2
47.5°	1397.5	1078.7	338.0	83.2	62.1	51.2	46.1	46.7	46.7	47.4	47.4
50°	1540.9	1191.3	394.3	85.1	57.6	46.1	42.3	42.3	42.3	42.9	42.3
52.5°	1660.6	1289.9	453.2	88.3	53.1	42.3	38.4	38.4	38.4	39.0	38.4
55°	1773.9	1379.5	513.4	92.8	49.3	39.0	35.2	33.9	33.9	34.6	33.9
57.5°	1866.1	1439.1	570.4	93.5	46.1	35.8	32.6	30.7	30.7	30.7	30.7
60°	1869.9	1404.5	587.0	81.9	42.3	32.6	29.4	26.9	27.5	27.5	27.5
62.5°	1747.6	1222.7	471.8	61.5	37.8	29.4	26.9	24.3	24.3	24.3	24.3
65°	1507.6	951.3	276.5	48.7	32.6	26.2	23.7	21.8	21.8	21.8	21.1
66°	1394.9	834.1	211.9	44.2	30.7	25.6	23.0	21.1	20.5	19.8	19.8
67.5°	1211.2	659.4	132.5	39.0	28.2	23.7	21.1	19.2	18.6	17.9	17.9
70°	912.2	418.7	64.7	30.1	24.3	20.5	18.6	16.6	16.0	15.4	14.7
72.5°	640.2	245.2	33.9	23.0	19.8	17.9	16.0	14.1	13.4	12.8	12.8
75°	361.7	118.4	22.4	16.6	16.0	14.7	13.4	11.5	10.9	10.9	10.9
77.5°	137.0	41.0	15.4	12.2	12.8	11.5	9.6	9.6	9.0	9.6	9.0
80°	35.8	17.9	9.6	9.0	9.6	8.3	7.0	7.7	7.7	7.7	7.7
82.5°	19.2	10.2	5.8	6.4	5.8	5.8	4.5	5.1	5.8	5.1	5.8
85°	13.4	5.1	3.2	3.2	2.6	2.6	1.9	2.6	3.2	2.6	2.6
87.5°	7.0	1.9	1.9	1.9	1.9	1.3	0.6	0.0	0.6	0.6	0.6
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)