

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: P1210134

Luminaire Tested: **ARCH2-30-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210134
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: ARCH2-30-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

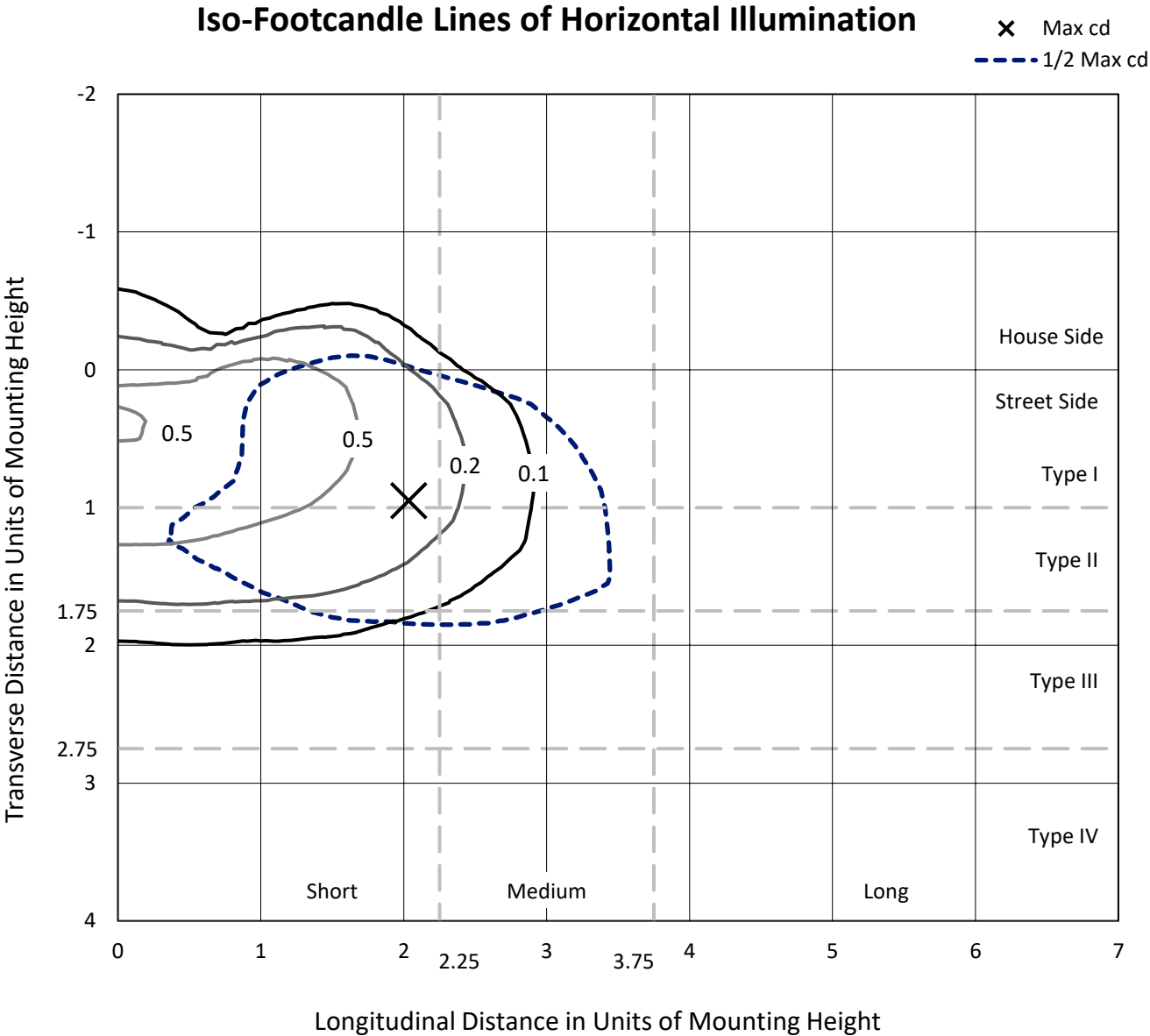
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3212 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 34.4
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



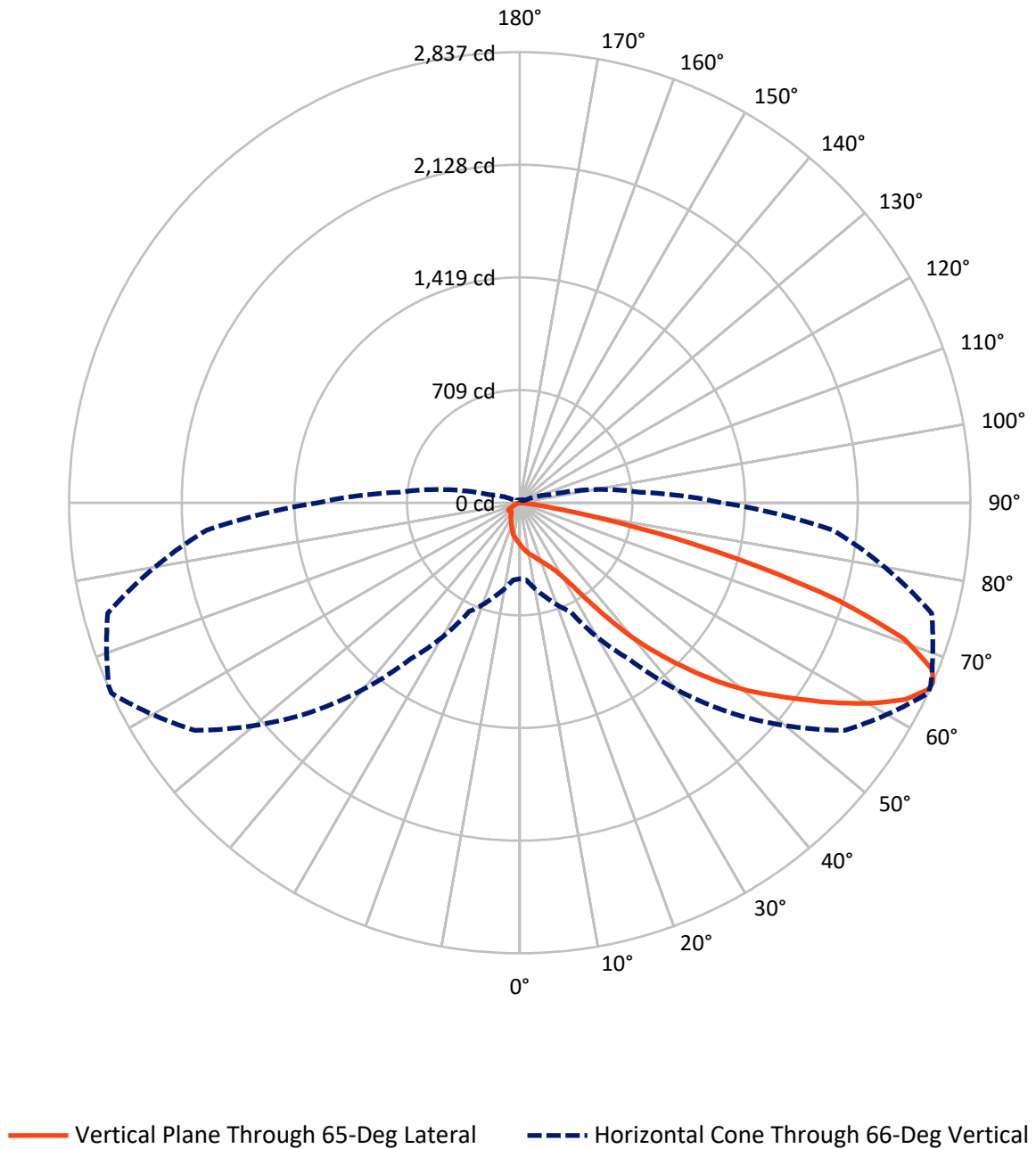
REPORT NUMBER: P1210134
CATALOG NUMBER: ARCH2-30-722-U-T3RE-HSS



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Short - N/A

REPORT NUMBER: P1210134
CATALOG NUMBER: ARCH2-30-722-U-T3RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1210134

CATALOG NUMBER: ARCH2-30-722-U-T3RE-HSS

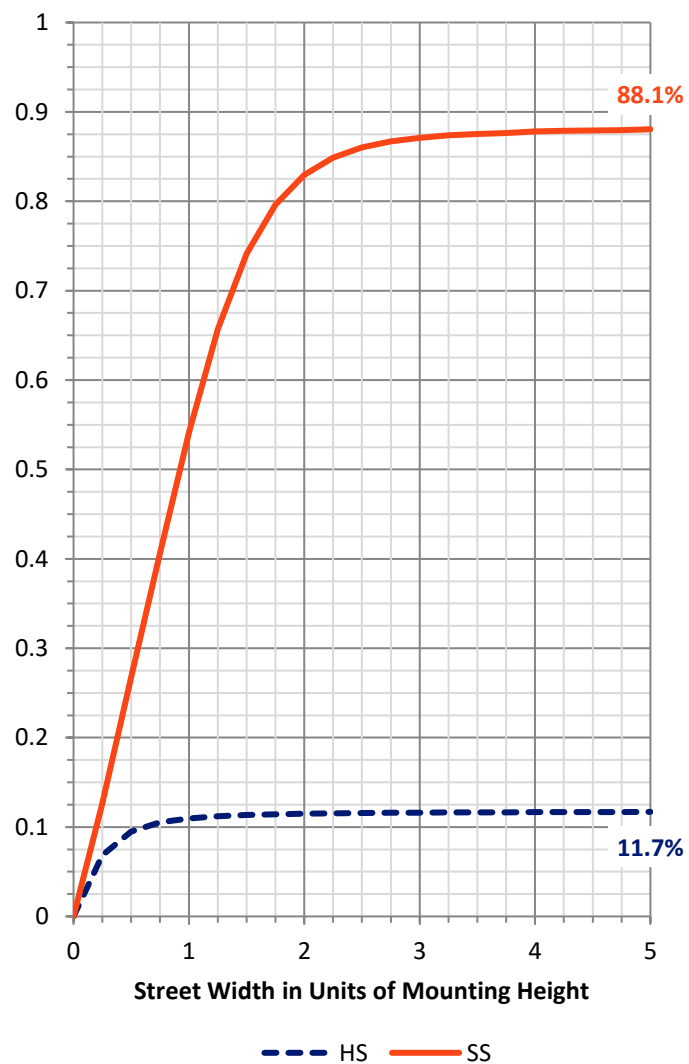
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	379.1	0.0	379.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2832.9	0.0	2832.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	3212.0	0.0	3212.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.8
10°-20°	73.4	2.3
20°-30°	134.4	4.2
30°-40°	273.1	8.5
40°-50°	576.8	18.0
50°-60°	886.7	27.6
60°-70°	892.5	27.8
70°-80°	333.5	10.4
80°-90°	16.7	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°	3212.0	100.0
0°-180°	3212.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210134

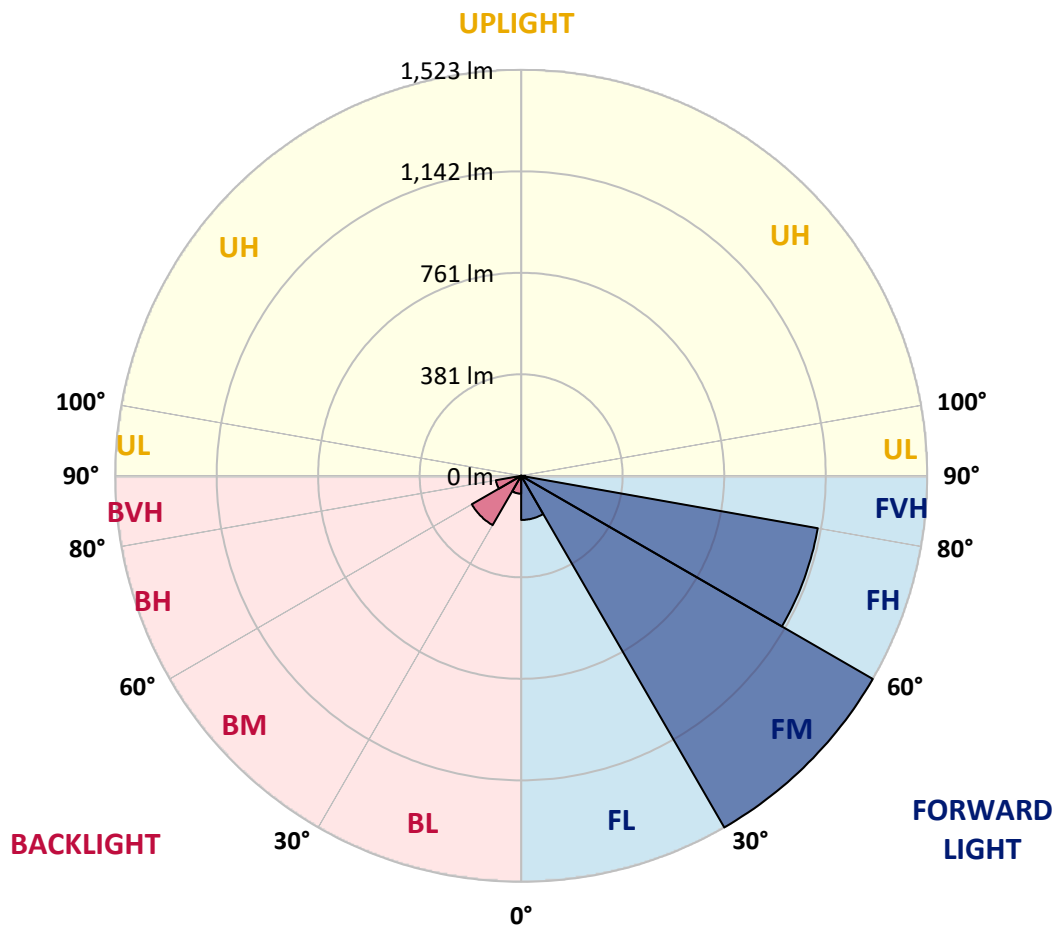
CATALOG NUMBER: ARCH2-30-722-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.6	5.2			
FM	(30°-60°)	1522.9	47.4			
FH	(60°-80°)	1129.7	35.2			G1/1800
FVH	(80°-90°)	14.7	0.5			G1/100
BL	(0°-30°)	67.1	2.1	B0/110		
BM	(30°-60°)	213.7	6.7	B0/220		
BH	(60°-80°)	96.3	3.0	B0/110		G0/110
BVH	(80°-90°)	2.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short



REPORT NUMBER: P1210134

CATALOG NUMBER: ARCH2-30-722-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	261.7	261.7	261.7	261.7	261.7	261.7	261.7	261.7	261.7	261.7	261.7
2.5°	298.4	299.0	297.8	295.5	293.2	290.2	285.6	278.0	276.8	271.6	265.8
5°	318.8	320.0	318.2	317.6	316.5	312.4	306.0	294.9	293.7	283.3	269.8
7.5°	325.8	327.5	326.4	326.4	326.4	324.6	321.7	311.8	310.1	296.7	276.3
10°	331.0	332.2	331.6	334.0	335.7	334.5	332.8	327.0	325.2	311.8	285.0
12.5°	339.2	339.8	340.4	341.5	344.4	345.6	345.0	339.8	338.6	329.3	296.1
15°	346.8	346.8	347.4	352.6	356.7	359.0	359.6	355.5	354.4	346.8	310.1
17.5°	353.8	354.4	356.1	361.9	368.9	373.6	376.5	374.8	373.0	367.2	326.4
20°	364.3	365.4	367.2	375.3	382.3	389.9	395.7	395.2	394.6	390.5	345.6
22.5°	382.3	383.5	386.4	394.0	401.0	410.3	420.2	419.6	417.9	415.0	368.3
25°	409.7	409.7	411.5	417.9	426.6	437.7	447.0	448.8	447.0	445.3	396.9
27.5°	444.1	444.7	444.7	451.7	459.8	473.8	485.5	487.2	487.2	485.5	435.4
30°	491.9	490.2	489.0	494.8	503.6	524.0	544.4	547.9	546.1	549.0	489.6
32.5°	574.1	571.2	561.3	562.4	567.7	595.6	630.0	642.3	641.7	646.9	577.0
35°	687.7	681.9	667.3	655.1	654.5	684.8	737.3	783.3	782.7	800.8	709.9
37.5°	816.0	823.5	796.1	775.2	768.7	792.6	860.2	959.9	965.2	996.6	884.1
40°	987.3	992.0	957.0	927.3	897.0	905.7	994.9	1149.9	1159.2	1194.2	1058.4
42.5°	1136.5	1141.2	1120.8	1084.6	1046.2	1029.8	1130.7	1322.4	1330.0	1378.4	1237.9
45°	1237.9	1241.4	1248.4	1251.9	1208.2	1174.4	1296.8	1499.6	1508.9	1564.9	1413.3
47.5°	1317.2	1320.1	1334.1	1369.1	1360.3	1333.5	1465.8	1683.8	1686.1	1748.5	1584.1
50°	1353.9	1360.9	1395.3	1448.9	1487.4	1494.9	1649.4	1858.0	1864.5	1923.9	1745.6
52.5°	1313.1	1315.4	1402.3	1503.1	1580.6	1657.5	1833.6	2019.5	2038.1	2082.4	1890.7
55°	1175.6	1192.5	1324.2	1501.4	1654.1	1812.0	2030.6	2193.7	2210.6	2238.6	2018.3
57.5°	1015.9	1034.5	1194.8	1426.2	1685.5	1954.8	2213.0	2379.1	2390.7	2398.3	2135.5
60°	877.7	895.2	1060.2	1282.2	1654.1	2055.6	2382.6	2563.3	2573.2	2552.8	2194.3
62.5°	708.1	725.6	891.7	1091.6	1530.5	2076.0	2508.5	2727.0	2731.1	2675.7	2158.2
65°	533.9	545.5	684.2	855.6	1314.3	1967.6	2537.0	2829.0	2824.9	2711.3	2049.8
66°	478.5	488.4	610.8	756.5	1201.8	1868.5	2498.6	2837.2	2833.1	2685.1	1978.7
67.5°	412.6	415.6	516.4	619.0	1005.4	1658.1	2381.4	2799.9	2803.4	2612.8	1848.7
70°	322.3	321.7	380.0	430.7	686.6	1179.6	1986.3	2565.0	2581.9	2340.0	1576.5
72.5°	206.3	199.3	233.1	263.4	399.8	684.8	1448.3	2090.6	2119.1	1838.2	1174.4
75°	123.0	116.0	124.1	131.7	191.7	329.3	851.5	1422.7	1450.1	1178.5	698.8
77.5°	92.1	89.2	89.8	83.3	85.1	123.6	388.7	751.8	771.7	482.6	265.2
80°	70.5	62.9	58.9	61.8	56.0	49.0	144.5	258.8	271.0	114.2	55.4
82.5°	47.2	40.8	37.9	41.4	35.6	27.4	35.0	50.1	49.0	30.9	21.6
85°	24.5	21.0	21.0	21.0	18.1	13.4	15.2	20.4	20.4	16.3	12.8
87.5°	7.0	6.4	7.6	7.0	5.2	5.2	5.8	7.0	7.0	6.4	5.8
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: P1210134

CATALOG NUMBER: ARCH2-30-722-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	261.7	261.7	261.7	261.7	261.7	261.7	261.7	261.7	261.7	261.7	261.7
2.5°	261.1	258.8	252.4	247.7	243.0	239.0	234.3	233.1	230.8	231.4	230.2
5°	262.9	256.4	245.4	234.9	226.7	219.7	211.0	207.5	202.8	201.1	199.9
7.5°	265.2	255.9	239.5	225.0	211.0	197.0	183.0	174.8	169.6	167.3	165.5
10°	270.4	258.2	236.6	213.9	190.0	170.2	156.2	150.4	146.9	146.3	145.7
12.5°	277.4	261.7	233.7	199.9	168.4	149.8	141.0	139.3	138.7	138.7	138.1
15°	287.9	267.5	229.0	183.6	151.5	138.7	134.6	131.7	130.6	130.6	130.6
17.5°	298.4	274.5	222.1	166.7	139.9	131.7	127.6	125.9	124.7	125.3	124.7
20°	311.8	282.7	212.7	152.1	132.3	125.9	121.8	120.1	119.5	119.5	119.5
22.5°	327.0	292.0	201.1	141.0	125.9	120.1	116.0	114.2	113.1	113.7	113.7
25°	347.4	303.7	188.8	130.0	119.5	114.2	109.6	107.2	107.2	107.8	108.4
27.5°	373.6	317.6	176.6	123.0	113.7	108.4	103.2	100.8	101.4	102.6	102.6
30°	412.1	336.9	164.4	115.4	107.2	101.4	96.7	94.4	95.6	97.9	97.9
32.5°	466.8	368.3	153.9	106.7	97.9	91.5	86.8	85.1	88.0	92.7	92.7
35°	564.8	426.0	147.5	97.9	88.0	80.4	74.6	72.9	76.9	82.8	82.8
37.5°	695.9	518.7	149.8	90.3	79.8	71.1	64.7	62.4	65.3	70.5	72.3
40°	842.2	630.6	170.2	83.9	72.3	63.5	57.1	54.8	56.5	58.9	59.4
42.5°	988.5	749.5	208.7	79.3	66.4	57.1	51.3	49.5	50.7	51.3	51.9
45°	1134.2	867.2	257.0	76.3	61.2	51.9	46.0	46.0	46.6	46.6	46.6
47.5°	1272.3	982.1	307.7	75.8	56.5	46.6	42.0	42.5	42.5	43.1	43.1
50°	1402.9	1084.6	359.0	77.5	52.5	42.0	38.5	38.5	38.5	39.0	38.5
52.5°	1511.8	1174.4	412.6	80.4	48.4	38.5	35.0	35.0	35.0	35.6	35.0
55°	1615.0	1256.0	467.4	84.5	44.9	35.6	32.1	30.9	30.9	31.5	30.9
57.5°	1698.9	1310.2	519.3	85.1	42.0	32.6	29.7	28.0	28.0	28.0	28.0
60°	1702.4	1278.7	534.4	74.6	38.5	29.7	26.8	24.5	25.1	25.1	25.1
62.5°	1591.1	1113.2	429.5	56.0	34.4	26.8	24.5	22.1	22.1	22.1	22.1
65°	1372.5	866.1	251.8	44.3	29.7	23.9	21.6	19.8	19.8	19.8	19.2
66°	1270.0	759.4	192.9	40.2	28.0	23.3	21.0	19.2	18.7	18.1	18.1
67.5°	1102.7	600.3	120.6	35.6	25.6	21.6	19.2	17.5	16.9	16.3	16.3
70°	830.5	381.2	58.9	27.4	22.1	18.7	16.9	15.2	14.6	14.0	13.4
72.5°	582.8	223.2	30.9	21.0	18.1	16.3	14.6	12.8	12.2	11.7	11.7
75°	329.3	107.8	20.4	15.2	14.6	13.4	12.2	10.5	9.9	9.9	9.9
77.5°	124.7	37.3	14.0	11.1	11.7	10.5	8.7	8.7	8.2	8.7	8.2
80°	32.6	16.3	8.7	8.2	8.7	7.6	6.4	7.0	7.0	7.0	7.0
82.5°	17.5	9.3	5.2	5.8	5.2	5.2	4.1	4.7	5.2	4.7	5.2
85°	12.2	4.7	2.9	2.9	2.3	2.3	1.7	2.3	2.9	2.3	2.3
87.5°	6.4	1.7	1.7	1.7	1.7	1.2	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)