

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: P1209948

Luminaire Tested: **ARCH1-30-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-30-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

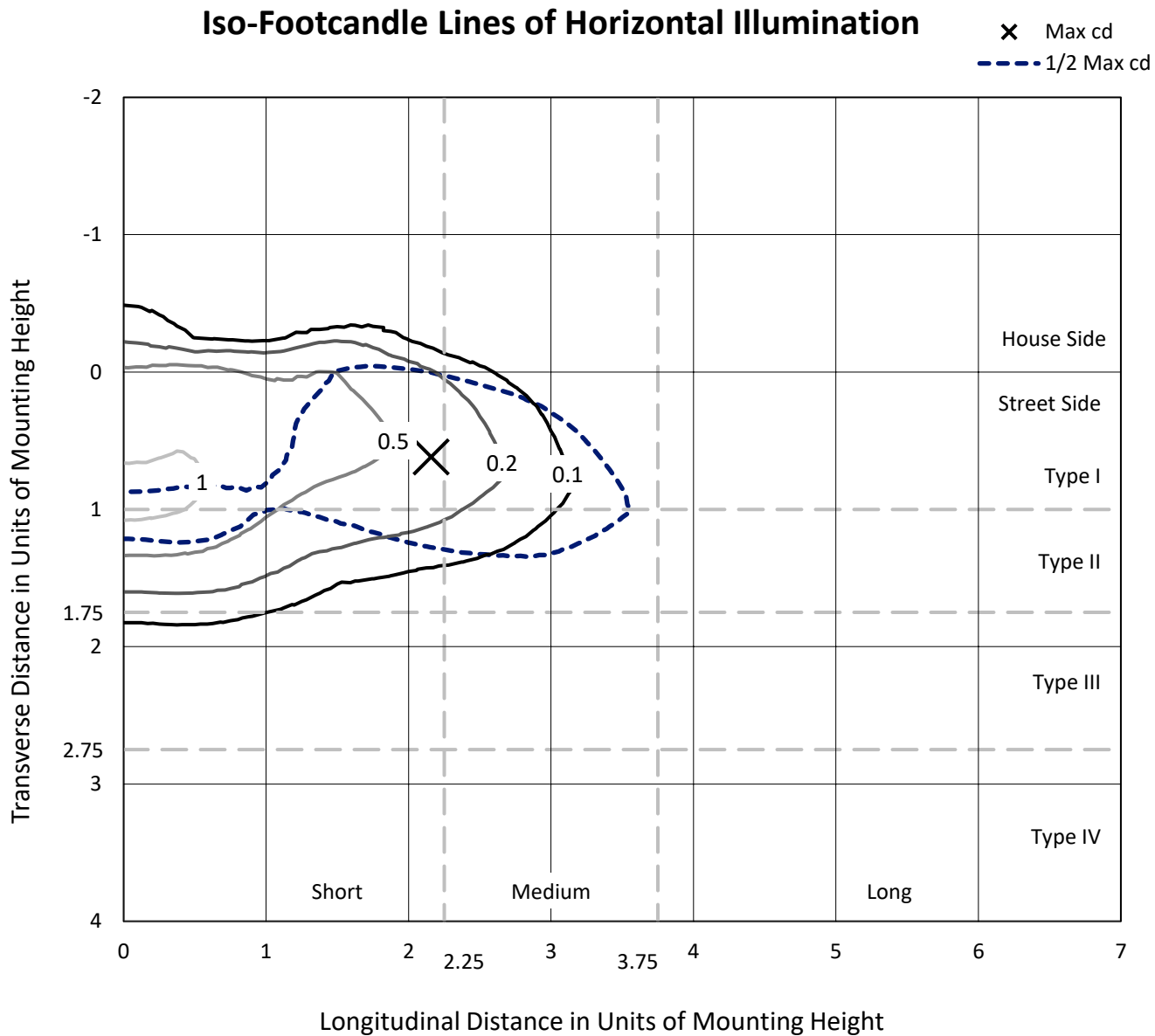
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3322 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

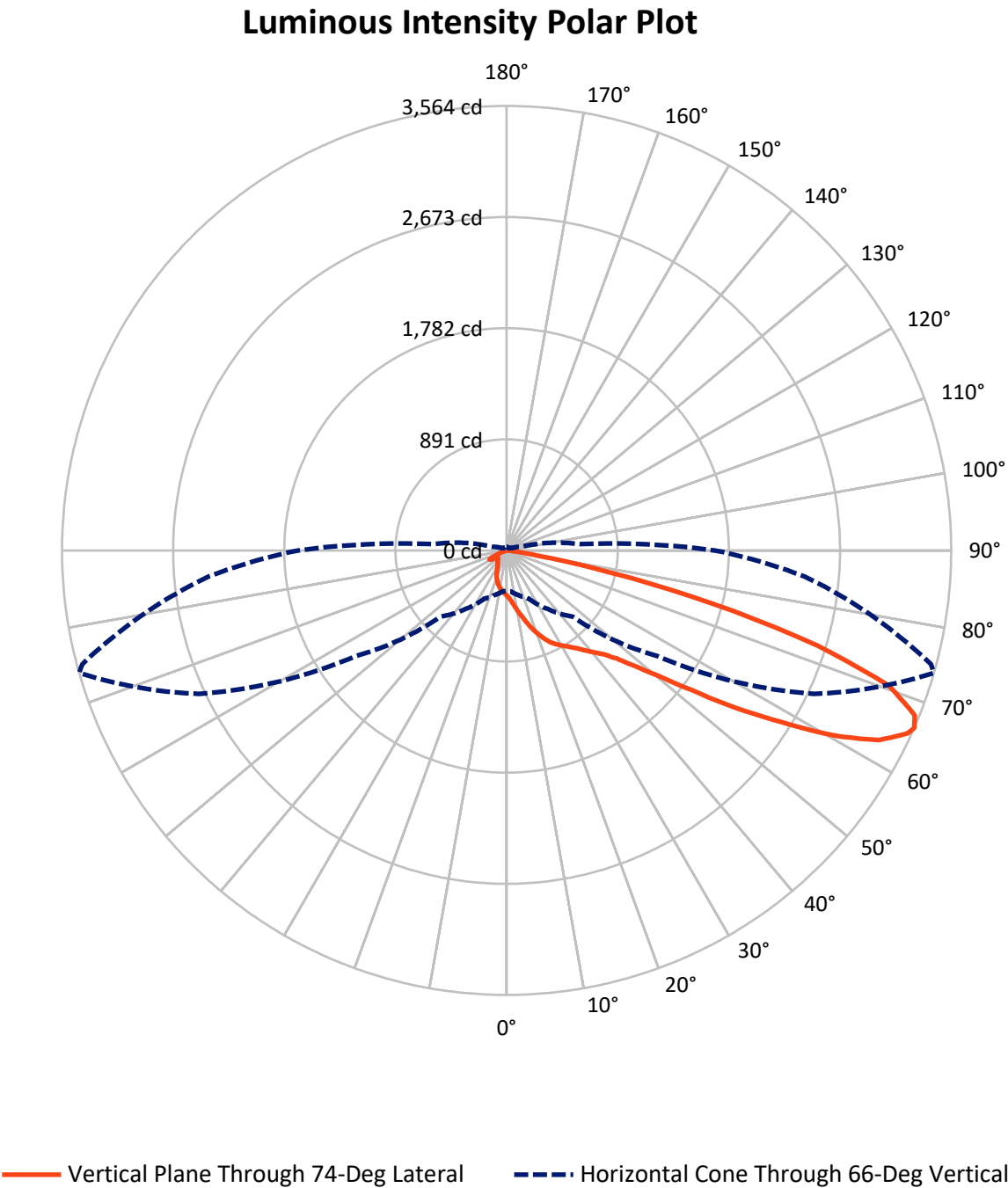
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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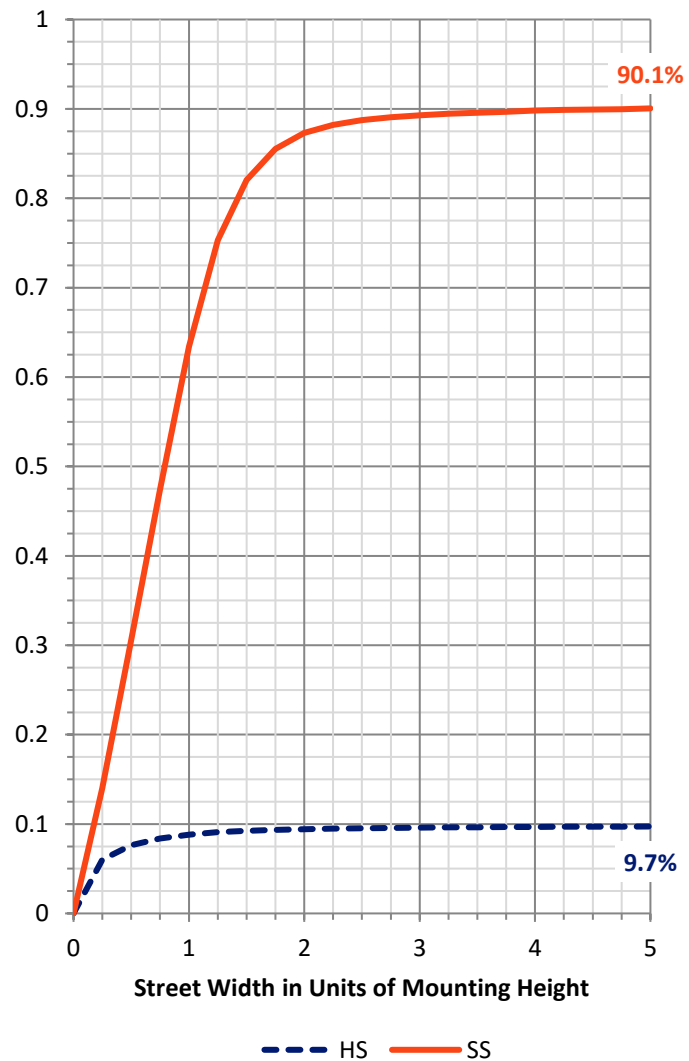
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	325.7	0.0	325.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2996.3	0.0	2996.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	3322.0	0.0	3322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	1.1
10°-20°	113.5	3.4
20°-30°	216.5	6.5
30°-40°	379.6	11.4
40°-50°	650.8	19.6
50°-60°	846.5	25.5
60°-70°	766.3	23.1
70°-80°	295.7	8.9
80°-90°	17.8	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°	3322.0	100.0
0°-180°	3322.0	100.0

Coefficient of Utilization



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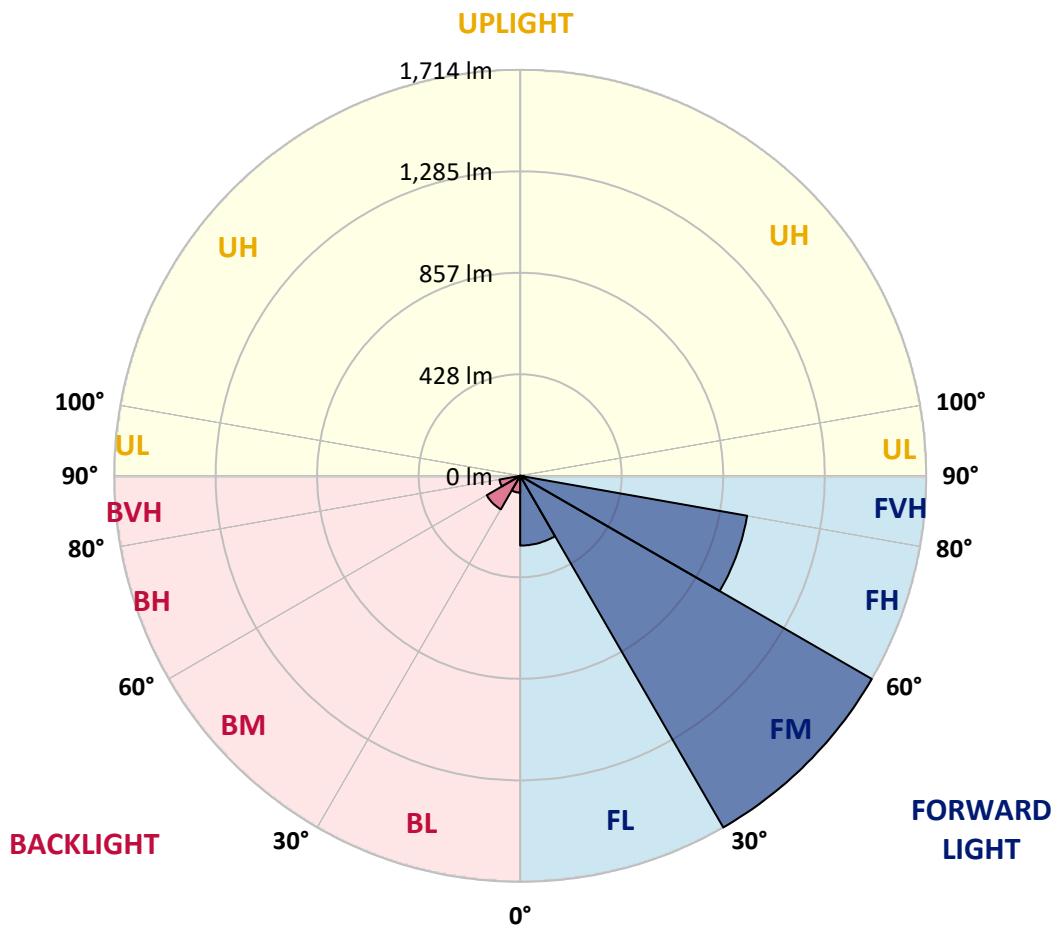
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.4	8.9			
FM	(30°-60°)	1713.7	51.6			
FH	(60°-80°)	972.9	29.3			G1/1800
FVH	(80°-90°)	15.4	0.5			G1/100
BL	(0°-30°)	71.0	2.1	B0/110		
BM	(30°-60°)	163.2	4.9	B0/220		
BH	(60°-80°)	89.0	2.7	B0/110		G0/110
BVH	(80°-90°)	2.4	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	362.6	362.6	362.6	362.6	362.6	362.6	362.6	362.6	362.6	362.6	362.6
2.5°	435.4	431.8	425.2	424.7	419.3	412.7	401.4	389.5	381.1	379.9	369.8
5°	521.3	519.5	512.9	508.7	498.6	483.1	456.9	430.6	408.5	406.2	383.5
7.5°	543.9	545.1	546.3	550.5	546.9	539.8	520.1	483.1	448.5	443.1	403.8
10°	547.5	546.3	546.3	551.7	561.8	572.0	569.6	538.0	493.2	486.7	431.8
12.5°	586.3	588.1	583.9	581.5	579.7	585.1	603.0	589.3	540.4	535.0	465.8
15°	636.4	635.8	629.8	629.8	624.5	615.5	626.8	637.0	597.0	590.5	504.6
17.5°	672.8	675.2	674.6	678.1	676.3	664.4	658.5	679.3	655.5	647.1	548.7
20°	702.0	708.6	710.9	722.3	727.6	719.3	703.8	716.9	711.5	703.8	593.4
22.5°	733.0	738.4	742.5	762.2	777.1	775.3	755.7	752.7	765.8	758.6	637.6
25°	764.0	766.4	778.9	802.8	826.6	832.6	812.3	789.1	814.7	808.2	676.9
27.5°	798.0	799.2	814.1	843.3	876.7	889.3	873.2	830.2	852.3	852.3	712.7
30°	860.0	872.0	877.9	904.2	933.4	950.7	931.6	873.8	885.7	891.1	750.3
32.5°	993.6	995.4	993.6	1005.0	1010.9	1021.1	999.0	922.7	919.7	925.6	787.3
35°	1197.6	1190.5	1171.4	1154.7	1120.1	1101.0	1072.4	985.3	961.4	969.8	823.7
37.5°	1445.1	1435.0	1391.5	1340.2	1266.2	1189.9	1154.1	1061.6	1014.5	1025.3	863.0
40°	1681.3	1674.8	1622.9	1559.6	1433.2	1302.6	1226.8	1126.0	1073.6	1077.7	903.0
42.5°	1875.7	1874.6	1831.0	1764.8	1602.6	1424.3	1312.7	1189.3	1135.6	1142.1	944.7
45°	2023.1	2011.7	1979.5	1931.8	1766.6	1550.7	1416.5	1285.3	1235.2	1242.9	1007.4
47.5°	2023.1	2024.9	2045.7	2041.0	1881.1	1669.4	1529.8	1406.4	1382.5	1389.7	1110.5
50°	1858.5	1875.2	1968.2	2046.3	1940.8	1761.8	1652.1	1557.9	1582.3	1593.0	1290.7
52.5°	1532.8	1560.8	1722.5	1900.8	1896.6	1808.4	1778.5	1750.5	1860.2	1879.3	1556.7
55°	1164.8	1183.3	1393.8	1628.2	1704.6	1770.2	1888.9	1995.0	2228.2	2224.1	1826.8
57.5°	870.2	887.5	1068.8	1328.8	1429.6	1605.0	1945.5	2274.8	2593.2	2609.3	2080.3
60°	640.0	653.1	807.6	1021.1	1166.6	1352.1	1922.9	2550.3	3013.7	2995.2	2304.0
62.5°	473.6	480.7	592.2	731.2	924.5	1101.6	1780.3	2738.8	3349.5	3311.9	2428.6
65°	366.2	368.6	426.4	500.4	672.2	856.5	1568.0	2767.4	3535.0	3495.0	2426.2
66°	326.2	328.0	370.4	427.6	572.0	749.7	1475.0	2721.5	3564.2	3521.9	2396.4
67.5°	273.8	272.6	297.6	335.2	429.4	578.5	1309.7	2587.3	3529.6	3508.2	2301.0
70°	202.8	203.4	215.9	224.9	251.1	320.3	945.9	2244.3	3252.9	3251.7	2039.2
72.5°	150.3	152.1	161.6	163.4	156.9	173.6	545.1	1785.1	2602.2	2602.8	1524.5
75°	112.7	115.7	118.7	119.9	113.9	109.7	246.3	1201.2	1711.7	1699.2	863.0
77.5°	85.9	87.1	89.5	87.7	86.5	75.7	102.6	585.7	845.1	770.0	279.7
80°	62.6	62.6	65.0	62.6	62.0	54.3	56.1	187.9	248.1	206.4	60.2
82.5°	39.4	38.8	40.6	40.0	38.8	34.6	32.8	52.5	57.3	51.3	29.2
85°	22.1	21.5	20.9	20.3	18.5	15.5	17.9	19.7	26.2	26.8	20.9
87.5°	7.8	7.8	7.2	6.6	5.4	5.4	6.6	6.6	9.5	9.5	10.7
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°	362.6	362.6	362.6	362.6	362.6	362.6	362.6	362.6	362.6	362.6	362.6
2.5°	365.0	358.5	348.9	336.4	327.4	318.5	308.9	303.6	295.8	294.0	296.4
5°	371.6	359.6	335.8	309.5	286.9	266.6	247.5	236.2	224.9	220.7	222.5
7.5°	385.3	365.0	324.5	282.1	244.5	214.1	191.5	178.3	168.2	164.0	165.2
10°	405.6	374.6	313.7	251.1	202.8	170.6	151.5	143.1	137.2	134.8	135.4
12.5°	430.0	388.3	300.0	220.1	167.0	139.0	130.0	128.2	127.0	125.8	126.4
15°	457.5	400.2	283.9	189.7	139.0	123.5	120.5	119.9	119.3	119.3	119.3
17.5°	486.1	410.9	266.0	161.0	121.1	113.9	112.1	112.1	112.1	112.7	112.7
20°	512.9	419.3	245.1	135.4	110.9	105.0	103.8	103.8	104.4	105.0	105.0
22.5°	539.2	422.9	220.7	117.5	102.6	97.2	95.4	95.4	95.4	96.0	96.0
25°	561.8	422.9	196.2	106.2	95.4	90.1	87.7	87.1	87.7	87.7	87.7
27.5°	580.9	421.1	172.4	98.4	88.3	82.9	80.5	79.9	81.1	81.7	81.7
30°	601.2	418.7	153.3	91.3	82.3	76.9	74.6	74.6	76.3	78.7	78.7
32.5°	620.9	420.5	138.4	85.3	76.3	72.2	69.8	70.4	74.0	77.5	77.5
35°	641.8	424.1	129.4	81.1	72.2	68.0	66.2	68.0	71.6	75.1	75.1
37.5°	662.6	428.2	124.1	77.5	68.6	64.4	63.2	65.6	69.8	73.4	74.0
40°	684.7	431.8	118.1	74.0	66.2	61.4	60.8	63.2	68.6	72.2	72.8
42.5°	712.1	439.0	110.9	71.0	63.8	57.9	58.4	60.2	65.6	71.0	71.6
45°	765.8	461.6	103.8	68.0	60.8	56.1	54.9	56.1	62.0	68.0	69.2
47.5°	866.6	512.9	96.0	65.0	57.9	54.9	50.1	51.3	56.7	63.2	63.8
50°	1059.8	622.1	91.8	62.0	55.5	50.7	45.3	45.3	49.5	55.5	55.5
52.5°	1361.0	817.7	94.2	59.6	52.5	46.5	41.2	40.6	42.9	47.1	47.1
55°	1686.1	1032.4	103.2	57.3	48.9	44.1	38.2	35.2	37.0	39.4	39.4
57.5°	1943.7	1140.4	127.6	56.1	44.7	42.3	34.6	30.4	32.2	34.6	34.6
60°	2057.1	1077.1	155.1	57.3	41.7	39.4	31.0	26.8	29.8	32.2	32.8
62.5°	1965.2	886.9	166.4	54.3	37.6	35.2	30.4	25.0	28.6	30.4	31.0
65°	1766.6	674.0	130.0	47.1	34.6	30.4	27.4	23.9	26.8	28.6	28.6
66°	1672.4	587.5	110.9	43.5	33.4	28.6	26.2	23.9	26.2	27.4	28.0
67.5°	1526.2	463.4	82.3	38.2	31.0	26.2	24.5	22.7	25.0	26.2	26.2
70°	1193.4	276.1	49.5	29.8	26.8	23.3	22.1	20.9	22.7	23.3	23.3
72.5°	747.3	131.2	31.6	22.1	22.7	22.1	18.5	19.7	20.3	20.9	20.9
75°	362.0	51.9	21.5	16.1	18.5	20.9	14.9	17.3	17.9	19.1	18.5
77.5°	100.8	25.0	13.7	11.9	16.1	16.1	11.3	13.7	16.1	20.3	18.5
80°	29.2	16.1	8.9	8.9	11.3	11.3	7.8	9.5	10.7	11.9	12.5
82.5°	20.3	10.7	6.0	6.6	6.6	7.2	4.8	4.8	6.0	6.0	6.6
85°	16.1	4.8	3.6	4.2	3.0	3.6	2.4	2.4	3.0	2.4	2.4
87.5°	6.6	2.4	2.4	2.4	1.8	1.8	1.2	0.6	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)