

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: P1210136

Luminaire Tested: **ARCH2-30-727-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210136
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: ARCH2-30-727-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3604 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - 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

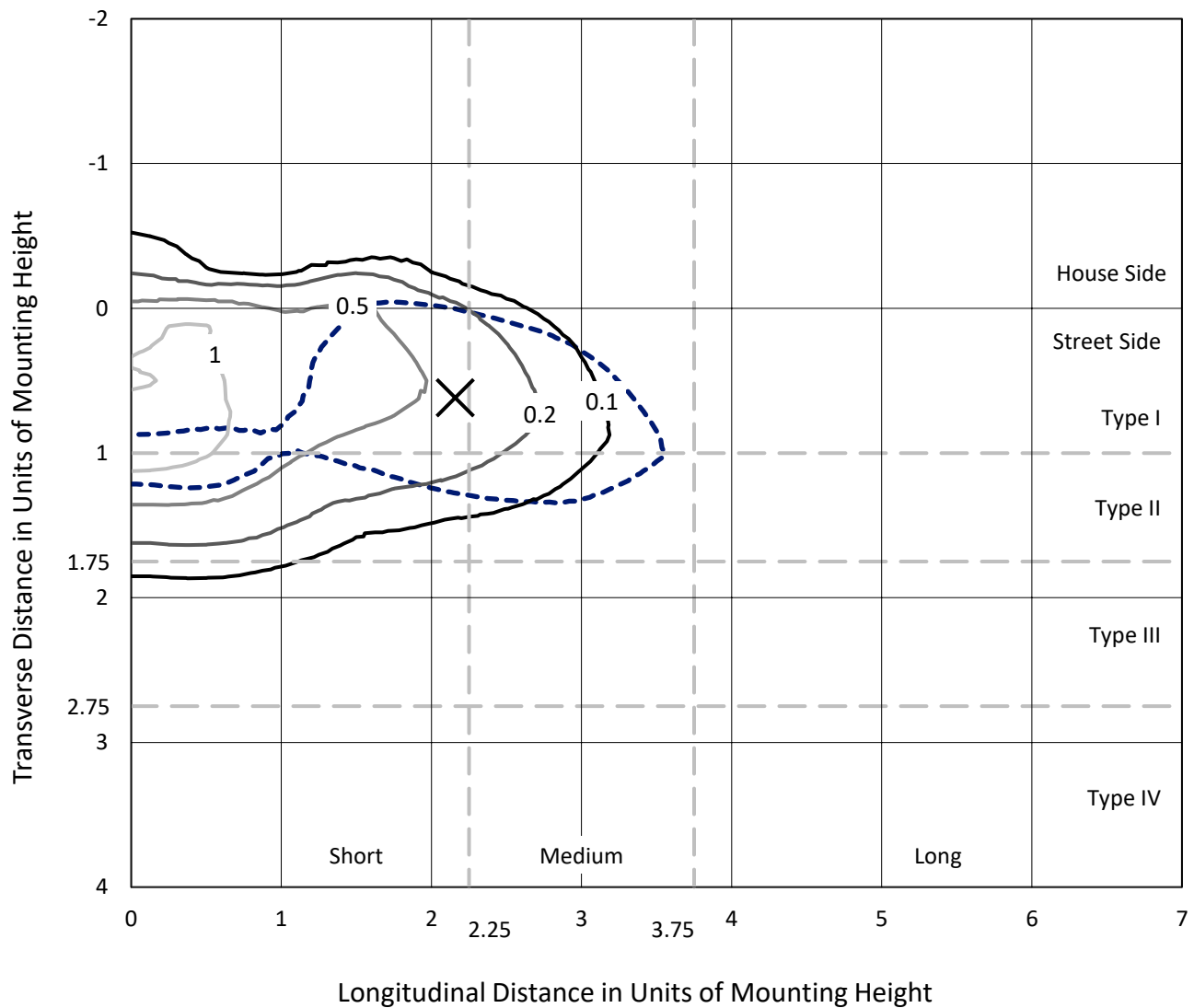


REPORT NUMBER: P1210136

CATALOG NUMBER: ARCH2-30-727-U-T2RE-HSS

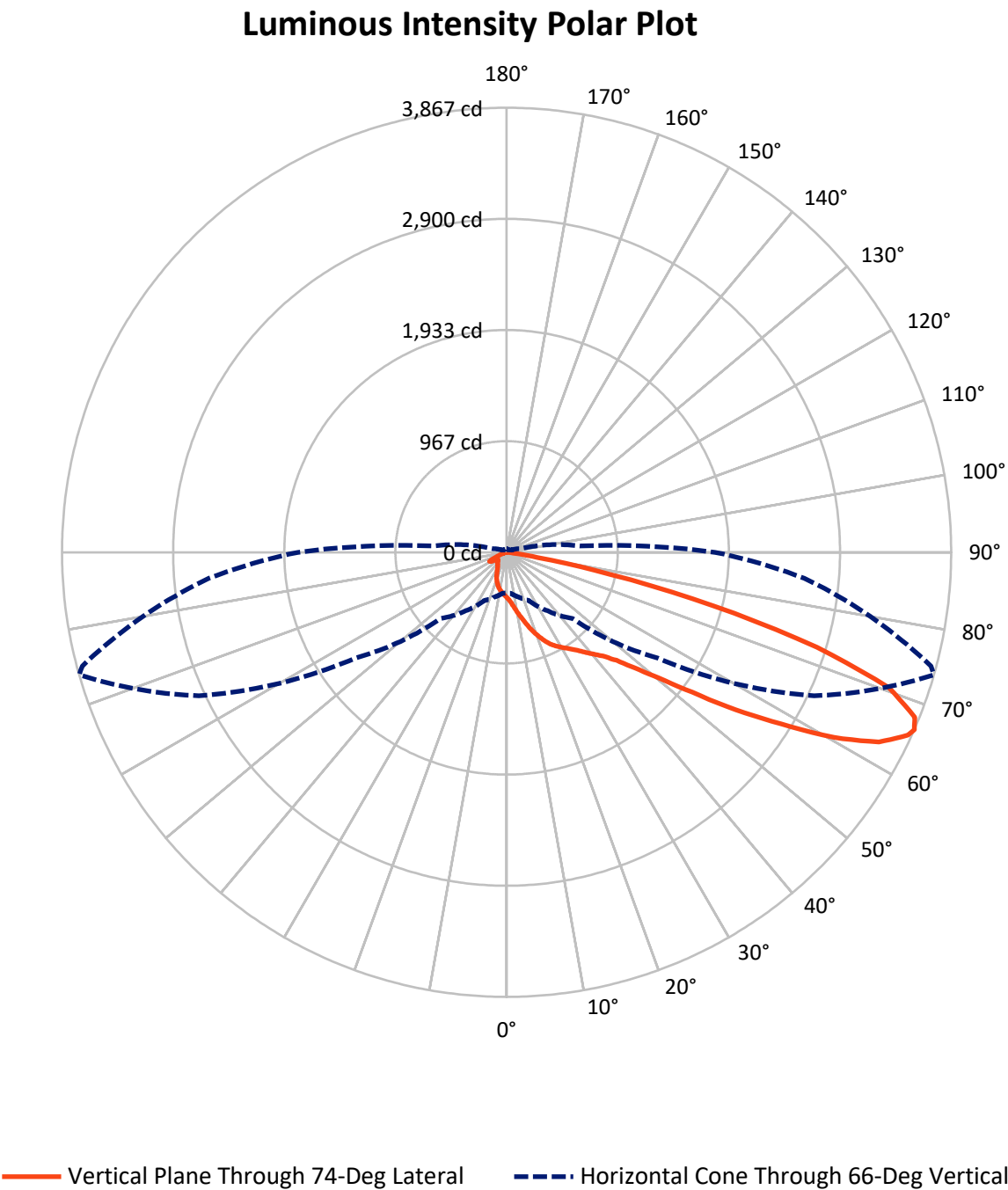
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type II - Short - N/A

REPORT NUMBER: P1210136
CATALOG NUMBER: ARCH2-30-727-U-T2RE-HSS



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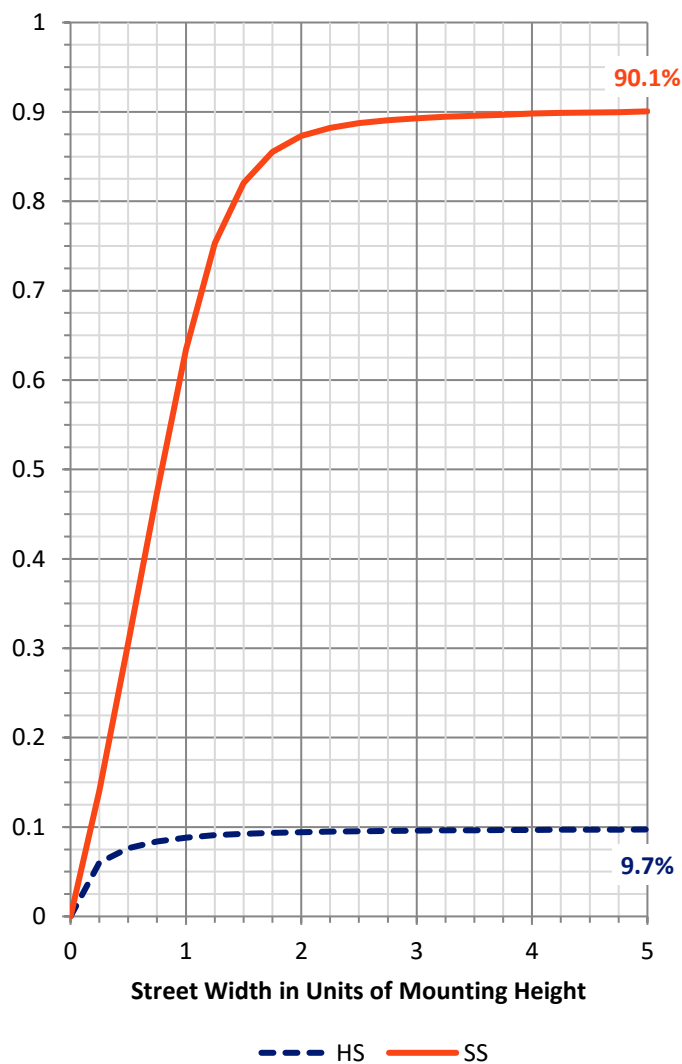
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	353.3	0.0	353.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	3250.7	0.0	3250.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	3604.0	0.0	3604.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	1.1
10°-20°	123.1	3.4
20°-30°	234.9	6.5
30°-40°	411.8	11.4
40°-50°	706.1	19.6
50°-60°	918.3	25.5
60°-70°	831.3	23.1
70°-80°	320.8	8.9
80°-90°	19.3	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°	3604.0	100.0
0°-180°	3604.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210136

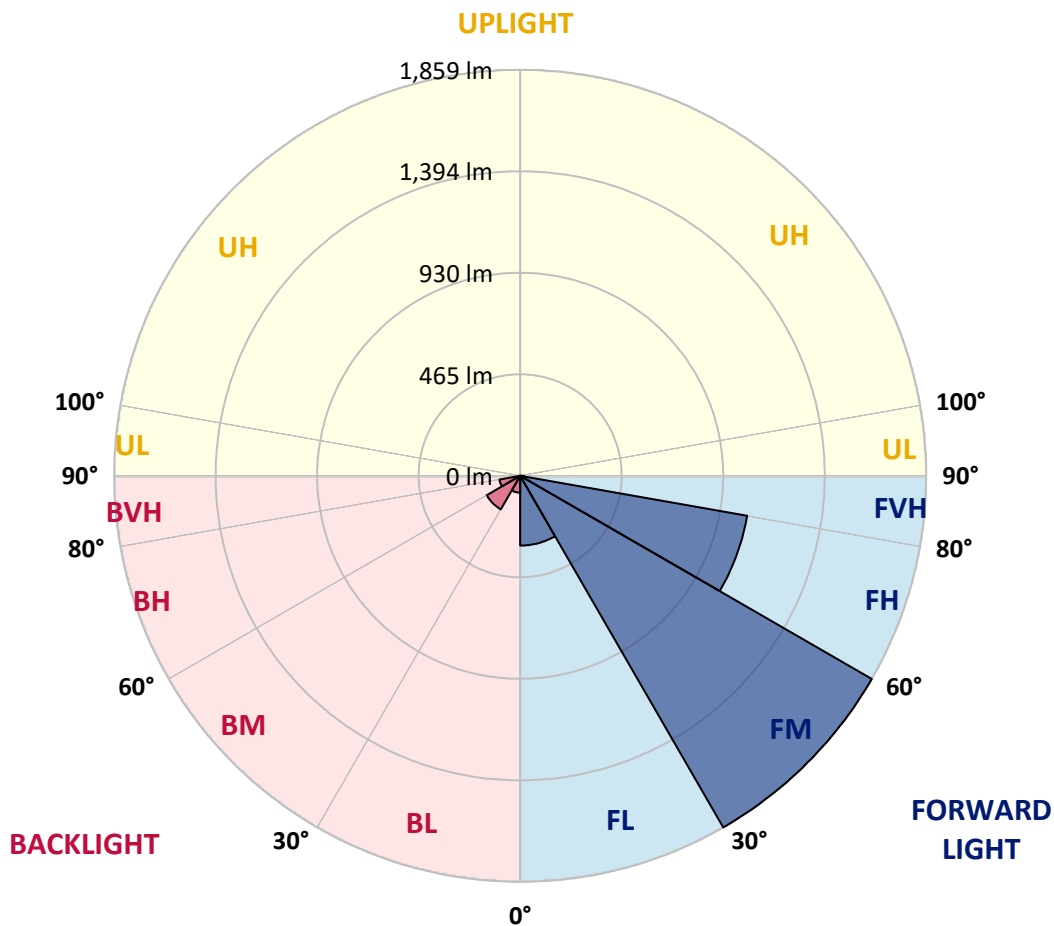
CATALOG NUMBER: ARCH2-30-727-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.4	8.9			
FM	(30°-60°)	1859.1	51.6			
FH	(60°-80°)	1055.5	29.3			G1/1800
FVH	(80°-90°)	16.7	0.5			G1/100
BL	(0°-30°)	77.1	2.1	B0/110		
BM	(30°-60°)	177.1	4.9	B0/220		
BH	(60°-80°)	96.6	2.7	B0/110		G0/110
BVH	(80°-90°)	2.6	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



REPORT NUMBER: P1210136

CATALOG NUMBER: ARCH2-30-727-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	393.4	393.4	393.4	393.4	393.4	393.4	393.4	393.4	393.4	393.4	393.4
2.5°	472.3	468.5	461.3	460.7	454.9	447.8	435.5	422.5	413.5	412.2	401.2
5°	565.5	563.6	556.5	551.9	540.9	524.1	495.6	467.2	443.2	440.6	416.1
7.5°	590.1	591.4	592.7	597.2	593.3	585.6	564.2	524.1	486.6	480.8	438.1
10°	594.0	592.7	592.7	598.5	609.5	620.5	617.9	583.6	535.1	528.0	468.5
12.5°	636.1	638.0	633.5	630.9	628.9	634.8	654.2	639.3	586.2	580.4	505.3
15°	690.4	689.8	683.3	683.3	677.5	667.8	680.1	691.1	647.7	640.6	547.4
17.5°	729.9	732.5	731.8	735.7	733.8	720.8	714.3	737.0	711.1	702.1	595.3
20°	761.6	768.7	771.3	783.6	789.4	780.3	763.5	777.8	771.9	763.5	643.8
22.5°	795.2	801.1	805.6	826.9	843.1	841.2	819.8	816.6	830.8	823.1	691.7
25°	828.9	831.5	845.1	870.9	896.8	903.3	881.3	856.1	883.9	876.8	734.4
27.5°	865.8	867.0	883.2	914.9	951.2	964.8	947.3	900.7	924.6	924.6	773.2
30°	933.0	946.0	952.5	980.9	1012.6	1031.4	1010.7	947.9	960.9	966.7	814.0
32.5°	1078.0	1079.9	1078.0	1090.3	1096.8	1107.8	1083.8	1001.0	997.8	1004.2	854.1
35°	1299.3	1291.5	1270.8	1252.7	1215.2	1194.5	1163.4	1068.9	1043.0	1052.1	893.6
37.5°	1567.8	1556.8	1509.6	1453.9	1373.7	1290.9	1252.0	1151.8	1100.6	1112.3	936.3
40°	1824.0	1816.9	1760.6	1692.0	1554.9	1413.2	1331.0	1221.6	1164.7	1169.2	979.6
42.5°	2035.0	2033.7	1986.5	1914.6	1738.6	1545.2	1424.2	1290.2	1232.0	1239.1	1024.9
45°	2194.8	2182.5	2147.6	2095.8	1916.6	1682.3	1536.7	1394.4	1340.0	1348.5	1092.9
47.5°	2194.8	2196.7	2219.4	2214.2	2040.8	1811.1	1659.7	1525.7	1499.9	1507.6	1204.8
50°	2016.2	2034.3	2135.3	2220.0	2105.5	1911.4	1792.3	1690.1	1716.6	1728.3	1400.2
52.5°	1662.9	1693.3	1868.7	2062.2	2057.6	1961.9	1929.5	1899.1	2018.2	2038.9	1688.8
55°	1263.7	1283.8	1512.2	1766.5	1849.3	1920.5	2049.2	2164.4	2417.4	2412.9	1981.9
57.5°	944.0	962.8	1159.5	1441.6	1551.0	1741.2	2110.7	2467.9	2813.4	2830.9	2256.9
60°	694.3	708.5	876.1	1107.8	1265.6	1466.9	2086.1	2766.8	3269.6	3249.5	2499.6
62.5°	513.8	521.5	642.5	793.3	1002.9	1195.1	1931.5	2971.3	3633.8	3593.1	2634.8
65°	397.3	399.9	462.6	542.9	729.2	929.2	1701.1	3002.3	3835.1	3791.7	2632.2
66°	353.9	355.9	401.8	463.9	620.5	813.3	1600.2	2952.5	3866.8	3820.8	2599.9
67.5°	297.0	295.7	322.9	363.6	465.9	627.6	1420.9	2806.9	3829.3	3806.0	2496.3
70°	220.0	220.6	234.2	243.9	272.4	347.5	1026.2	2434.9	3529.0	3527.7	2212.3
72.5°	163.1	165.0	175.4	177.3	170.2	188.3	591.4	1936.6	2823.1	2823.7	1653.9
75°	122.3	125.5	128.8	130.1	123.6	119.1	267.2	1303.2	1857.0	1843.5	936.3
77.5°	93.2	94.5	97.1	95.1	93.8	82.2	111.3	635.4	916.9	835.3	303.5
80°	67.9	67.9	70.5	67.9	67.3	58.9	60.8	203.8	269.2	223.9	65.4
82.5°	42.7	42.1	44.0	43.4	42.1	37.5	35.6	56.9	62.1	55.6	31.7
85°	23.9	23.3	22.6	22.0	20.1	16.8	19.4	21.4	28.5	29.1	22.6
87.5°	8.4	8.4	7.8	7.1	5.8	5.8	7.1	7.1	10.4	10.4	11.6
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: P1210136

CATALOG NUMBER: ARCH2-30-727-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	393.4	393.4	393.4	393.4	393.4	393.4	393.4	393.4	393.4	393.4	393.4
2.5°	396.0	388.9	378.5	364.9	355.2	345.5	335.2	329.3	320.9	319.0	321.6
5°	403.1	390.2	364.3	335.8	311.2	289.2	268.5	256.2	243.9	239.4	241.4
7.5°	418.0	396.0	352.0	306.1	265.3	232.3	207.7	193.5	182.5	177.9	179.2
10°	440.0	406.3	340.3	272.4	220.0	185.1	164.4	155.3	148.8	146.2	146.9
12.5°	466.5	421.2	325.5	238.8	181.2	150.8	141.1	139.1	137.8	136.5	137.2
15°	496.3	434.2	308.0	205.8	150.8	133.9	130.7	130.1	129.4	129.4	129.4
17.5°	527.3	445.8	288.6	174.7	131.4	123.6	121.6	121.6	121.6	122.3	122.3
20°	556.5	454.9	265.9	146.9	120.4	113.9	112.6	112.6	113.2	113.9	113.9
22.5°	584.9	458.8	239.4	127.5	111.3	105.5	103.5	103.5	103.5	104.2	104.2
25°	609.5	458.8	212.9	115.2	103.5	97.7	95.1	94.5	95.1	95.1	95.1
27.5°	630.2	456.8	187.0	106.8	95.8	89.9	87.4	86.7	88.0	88.6	88.6
30°	652.2	454.2	166.3	99.0	89.3	83.5	80.9	80.9	82.8	85.4	85.4
32.5°	673.6	456.2	150.1	92.5	82.8	78.3	75.7	76.4	80.2	84.1	84.1
35°	696.2	460.1	140.4	88.0	78.3	73.8	71.8	73.8	77.6	81.5	81.5
37.5°	718.9	464.6	134.6	84.1	74.4	69.9	68.6	71.2	75.7	79.6	80.2
40°	742.8	468.5	128.1	80.2	71.8	66.6	66.0	68.6	74.4	78.3	78.9
42.5°	772.6	476.2	120.4	77.0	69.2	62.8	63.4	65.4	71.2	77.0	77.6
45°	830.8	500.8	112.6	73.8	66.0	60.8	59.5	60.8	67.3	73.8	75.1
47.5°	940.2	556.5	104.2	70.5	62.8	59.5	54.4	55.6	61.5	68.6	69.2
50°	1149.8	674.9	99.6	67.3	60.2	55.0	49.2	49.2	53.7	60.2	60.2
52.5°	1476.6	887.1	102.2	64.7	56.9	50.5	44.6	44.0	46.6	51.1	51.1
55°	1829.2	1120.0	111.9	62.1	53.1	47.9	41.4	38.2	40.1	42.7	42.7
57.5°	2108.7	1237.2	138.5	60.8	48.5	45.9	37.5	33.0	34.9	37.5	37.5
60°	2231.7	1168.6	168.2	62.1	45.3	42.7	33.6	29.1	32.4	34.9	35.6
62.5°	2132.0	962.2	180.5	58.9	40.8	38.2	33.0	27.2	31.1	33.0	33.6
65°	1916.6	731.2	141.1	51.1	37.5	33.0	29.8	25.9	29.1	31.1	31.1
66°	1814.3	637.3	120.4	47.2	36.2	31.1	28.5	25.9	28.5	29.8	30.4
67.5°	1655.8	502.8	89.3	41.4	33.6	28.5	26.5	24.6	27.2	28.5	28.5
70°	1294.8	299.6	53.7	32.4	29.1	25.2	23.9	22.6	24.6	25.2	25.2
72.5°	810.8	142.4	34.3	23.9	24.6	23.9	20.1	21.4	22.0	22.6	22.6
75°	392.8	56.3	23.3	17.5	20.1	22.6	16.2	18.8	19.4	20.7	20.1
77.5°	109.4	27.2	14.9	12.9	17.5	17.5	12.3	14.9	17.5	22.0	20.1
80°	31.7	17.5	9.7	9.7	12.3	12.3	8.4	10.4	11.6	12.9	13.6
82.5°	22.0	11.6	6.5	7.1	7.1	7.8	5.2	5.2	6.5	6.5	7.1
85°	17.5	5.2	3.9	4.5	3.2	3.9	2.6	2.6	3.2	2.6	2.6
87.5°	7.1	2.6	2.6	2.6	1.9	1.9	1.3	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)