

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: P1211620

Luminaire Tested: **ARCH4-60-740-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211620
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: ARCH4-60-740-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8081 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63
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

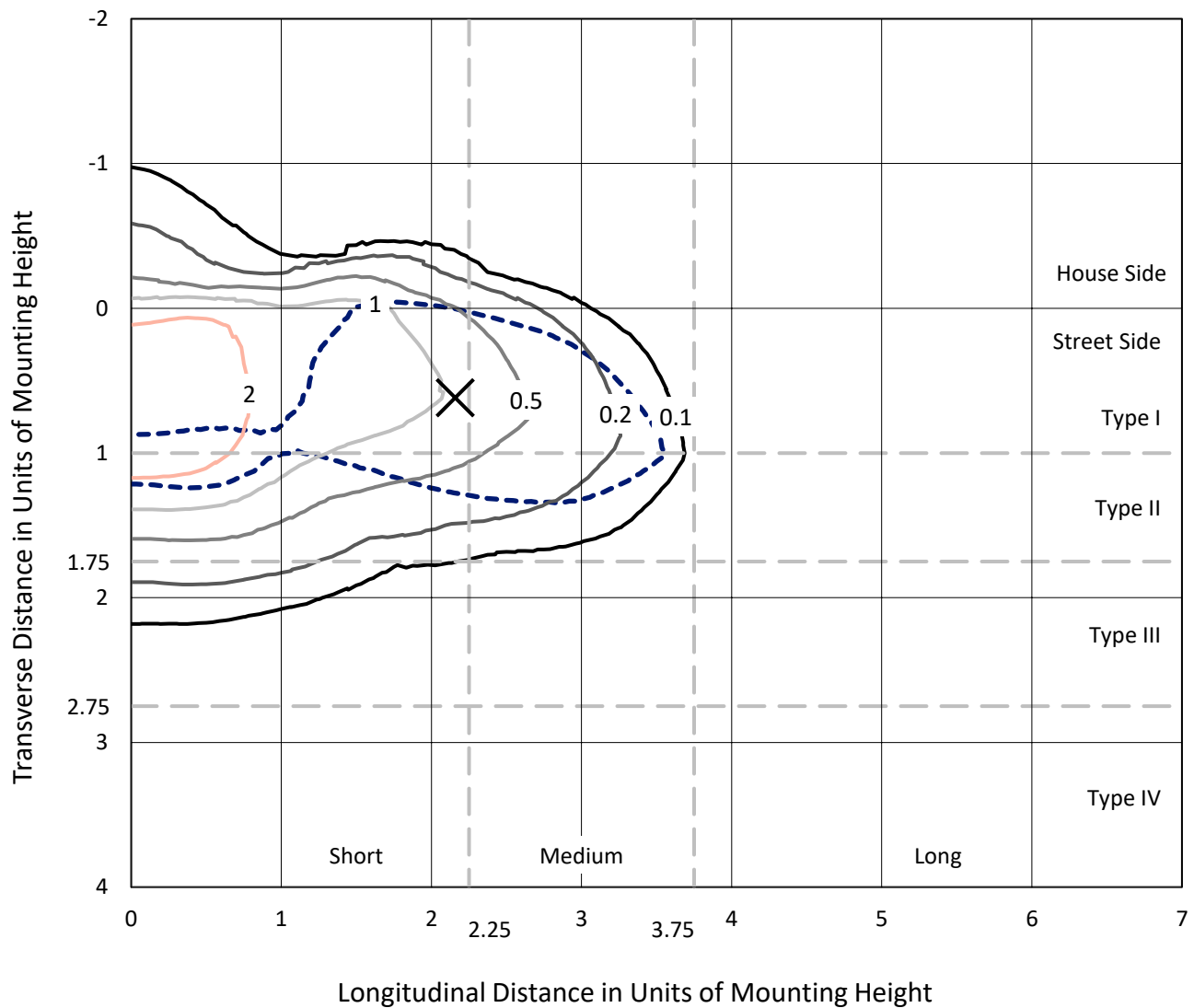


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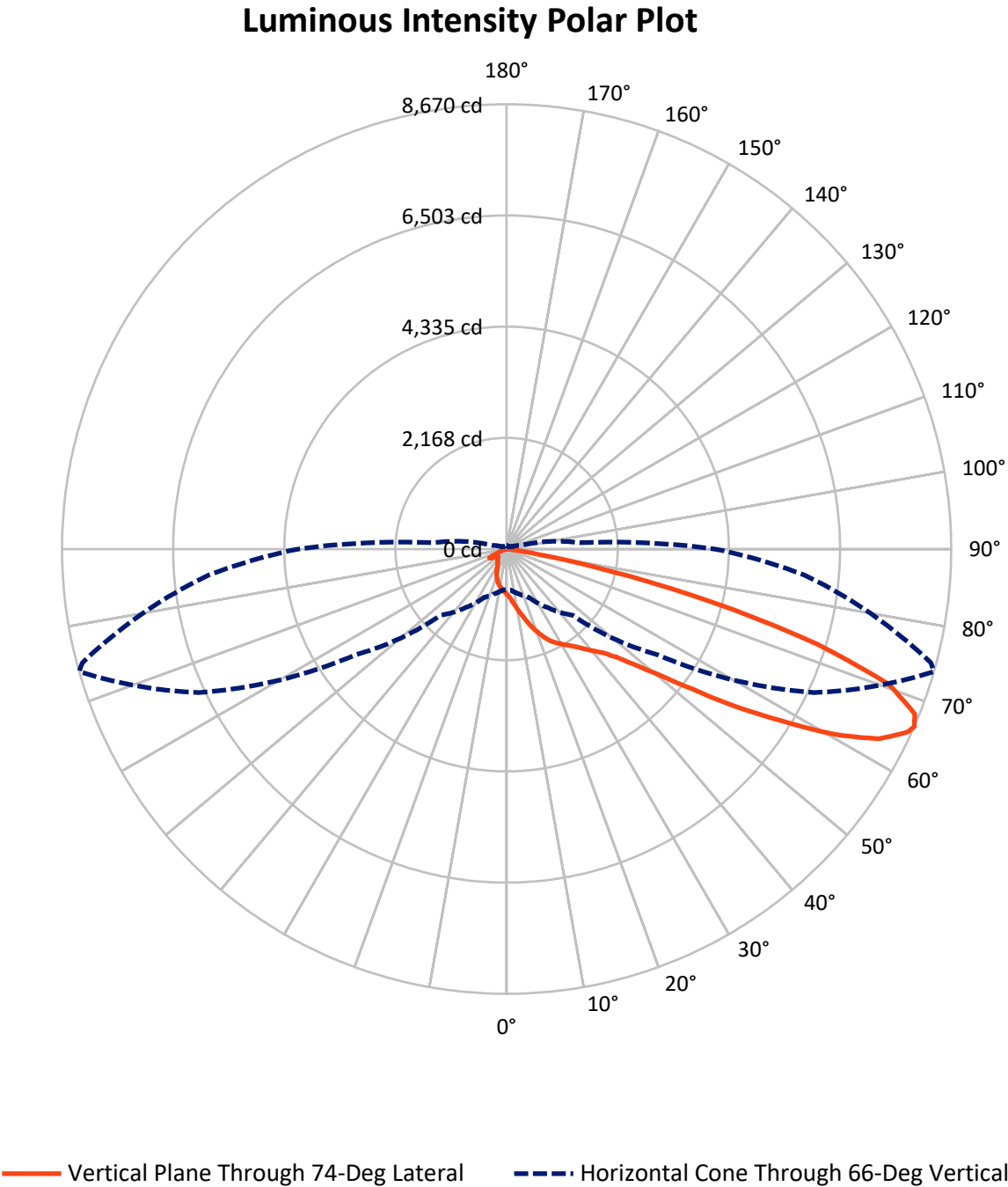
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type II - Short - N/A

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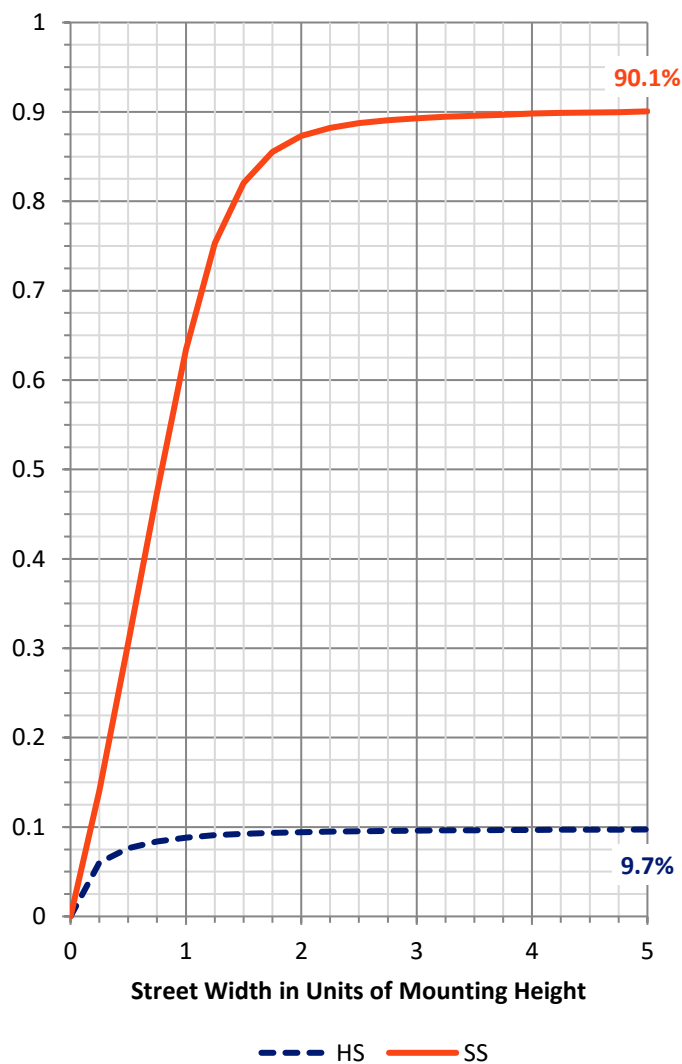
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.2	0.0	792.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	7288.8	0.0	7288.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	8081.0	0.0	8081.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	1.1
10°-20°	276.0	3.4
20°-30°	526.8	6.5
30°-40°	923.3	11.4
40°-50°	1583.2	19.6
50°-60°	2059.1	25.5
60°-70°	1864.0	23.1
70°-80°	719.2	8.9
80°-90°	43.3	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°	8081.0	100.0
0°-180°	8081.0	100.0

Coefficient of Utilization



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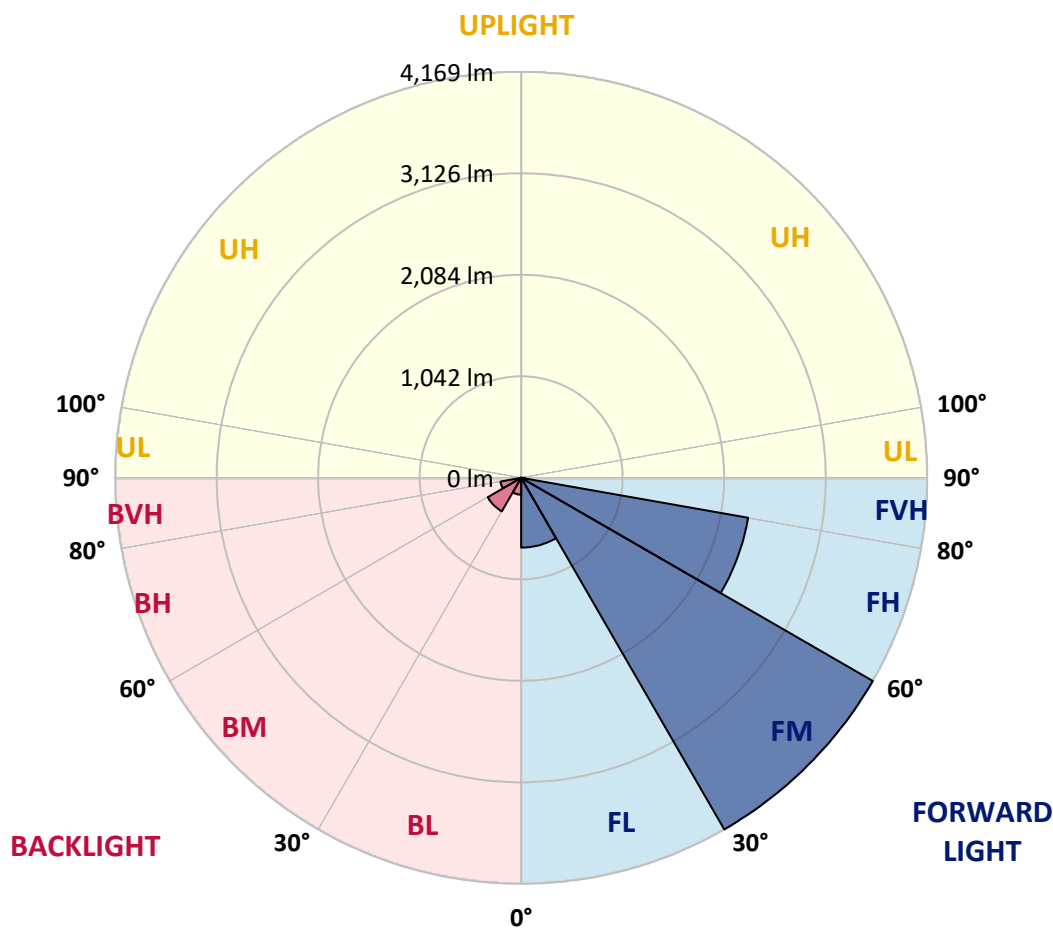
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	716.1	8.9			
FM	(30°-60°)	4168.6	51.6			
FH	(60°-80°)	2366.6	29.3			G2/5000
FVH	(80°-90°)	37.5	0.5			G1/100
BL	(0°-30°)	172.8	2.1	B1/500		
BM	(30°-60°)	397.0	4.9	B1/1000		
BH	(60°-80°)	216.6	2.7	B1/500		G1/500
BVH	(80°-90°)	5.8	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1
2.5°	1059.1	1050.4	1034.4	1033.0	1019.9	1004.0	976.4	947.4	927.1	924.2	899.5
5°	1268.0	1263.7	1247.7	1237.6	1212.9	1175.2	1111.3	1047.5	993.8	988.0	932.9
7.5°	1323.2	1326.1	1329.0	1339.1	1330.4	1313.0	1265.1	1175.2	1091.0	1078.0	982.2
10°	1331.9	1329.0	1329.0	1342.0	1366.7	1391.4	1385.6	1308.7	1199.8	1183.9	1050.4
12.5°	1426.2	1430.5	1420.4	1414.6	1410.2	1423.3	1466.8	1433.4	1314.5	1301.4	1133.1
15°	1548.0	1546.6	1532.1	1532.1	1519.0	1497.3	1524.8	1549.5	1452.3	1436.3	1227.4
17.5°	1636.5	1642.4	1640.9	1649.6	1645.3	1616.2	1601.7	1652.5	1594.5	1574.2	1334.8
20°	1707.6	1723.6	1729.4	1757.0	1770.0	1749.7	1712.0	1743.9	1730.9	1712.0	1443.6
22.5°	1783.1	1796.1	1806.3	1854.2	1890.4	1886.1	1838.2	1831.0	1862.9	1845.5	1550.9
25°	1858.5	1864.3	1894.8	1952.8	2010.9	2025.4	1976.0	1919.5	1981.8	1965.9	1646.7
27.5°	1941.2	1944.1	1980.4	2051.5	2132.7	2163.2	2124.0	2019.6	2073.3	2073.3	1733.8
30°	2092.1	2121.1	2135.6	2199.5	2270.6	2312.6	2266.2	2125.5	2154.5	2167.6	1825.2
32.5°	2417.1	2421.5	2417.1	2444.7	2459.2	2483.8	2430.2	2244.5	2237.2	2251.7	1915.1
35°	2913.3	2895.9	2849.5	2808.8	2724.7	2678.3	2608.6	2396.8	2338.8	2359.1	2003.6
37.5°	3515.4	3490.7	3384.8	3260.0	3080.1	2894.4	2807.4	2582.5	2467.9	2494.0	2099.4
40°	4089.9	4074.0	3947.7	3793.9	3486.4	3168.6	2984.4	2739.2	2611.5	2621.7	2196.6
42.5°	4562.9	4560.0	4454.1	4293.0	3898.4	3464.6	3193.3	2893.0	2762.4	2778.4	2298.1
45°	4921.3	4893.7	4815.3	4699.3	4297.4	3772.2	3445.7	3126.6	3004.7	3023.6	2450.5
47.5°	4921.3	4925.6	4976.4	4964.8	4576.0	4060.9	3721.4	3421.1	3363.0	3380.5	2701.5
50°	4520.8	4561.4	4787.8	4977.8	4721.0	4285.8	4018.8	3789.6	3849.1	3875.2	3139.6
52.5°	3728.7	3796.8	4190.0	4623.8	4613.7	4398.9	4326.4	4258.2	4525.2	4571.6	3786.7
55°	2833.5	2878.5	3390.6	3960.8	4146.5	4306.1	4594.8	4853.1	5420.3	5410.2	4443.9
57.5°	2116.8	2158.9	2599.9	3232.5	3477.7	3904.2	4732.6	5533.5	6308.3	6347.4	5060.5
60°	1556.8	1588.7	1964.4	2483.8	2837.8	3289.1	4677.5	6203.8	7331.1	7286.1	5604.6
62.5°	1152.0	1169.4	1440.7	1778.7	2248.8	2679.7	4330.8	6662.3	8147.9	8056.5	5907.8
65°	890.8	896.6	1037.4	1217.3	1635.1	2083.4	3814.3	6731.9	8599.1	8501.9	5902.0
66°	793.6	798.0	901.0	1040.3	1391.4	1823.7	3587.9	6620.2	8670.2	8567.2	5829.5
67.5°	665.9	663.0	724.0	815.4	1044.6	1407.3	3186.0	6293.7	8586.1	8533.8	5597.3
70°	493.3	494.7	525.2	547.0	610.8	779.1	2301.0	5459.5	7912.9	7910.0	4960.4
72.5°	365.6	370.0	393.2	397.5	381.6	422.2	1326.1	4342.4	6330.0	6331.5	3708.3
75°	274.2	281.5	288.7	291.6	277.1	267.0	599.2	2922.0	4163.9	4133.4	2099.4
77.5°	208.9	211.8	217.6	213.3	210.4	184.3	249.5	1424.7	2055.8	1873.0	680.4
80°	152.3	152.3	158.1	152.3	150.9	132.0	136.4	457.0	603.5	502.0	146.5
82.5°	95.8	94.3	98.7	97.2	94.3	84.1	79.8	127.7	139.3	124.8	71.1
85°	53.7	52.2	50.8	49.3	45.0	37.7	43.5	47.9	63.8	65.3	50.8
87.5°	18.9	18.9	17.4	16.0	13.1	13.1	16.0	16.0	23.2	23.2	26.1
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°	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1
2.5°	887.9	872.0	848.7	818.3	796.5	774.7	751.5	738.5	719.6	715.3	721.1
5°	903.9	874.9	816.8	753.0	697.9	648.5	602.1	574.5	547.0	536.8	541.2
7.5°	937.2	887.9	789.3	686.2	594.8	520.9	465.7	433.8	409.1	399.0	401.9
10°	986.6	911.1	763.1	610.8	493.3	414.9	368.5	348.2	333.7	327.9	329.3
12.5°	1046.1	944.5	729.8	535.4	406.2	338.0	316.3	311.9	309.0	306.1	307.6
15°	1112.8	973.5	690.6	461.4	338.0	300.3	293.1	291.6	290.2	290.2	290.2
17.5°	1182.4	999.6	647.1	391.7	294.5	277.1	272.8	272.8	272.8	274.2	274.2
20°	1247.7	1019.9	596.3	329.3	269.9	255.3	252.4	252.4	253.9	255.3	255.3
22.5°	1311.6	1028.6	536.8	285.8	249.5	236.5	232.1	232.1	232.1	233.6	233.6
25°	1366.7	1028.6	477.3	258.2	232.1	219.1	213.3	211.8	213.3	213.3	213.3
27.5°	1413.1	1024.3	419.3	239.4	214.7	201.7	195.9	194.4	197.3	198.8	198.8
30°	1462.4	1018.5	372.9	222.0	200.2	187.2	181.4	181.4	185.7	191.5	191.5
32.5°	1510.3	1022.8	336.6	207.5	185.7	175.6	169.7	171.2	179.9	188.6	188.6
35°	1561.1	1031.5	314.8	197.3	175.6	165.4	161.0	165.4	174.1	182.8	182.8
37.5°	1611.9	1041.7	301.8	188.6	166.8	156.7	153.8	159.6	169.7	178.5	179.9
40°	1665.6	1050.4	287.3	179.9	161.0	149.4	148.0	153.8	166.8	175.6	177.0
42.5°	1732.3	1067.8	269.9	172.7	155.2	140.7	142.2	146.5	159.6	172.7	174.1
45°	1862.9	1123.0	252.4	165.4	148.0	136.4	133.5	136.4	150.9	165.4	168.3
47.5°	2108.1	1247.7	233.6	158.1	140.7	133.5	121.9	124.8	137.8	153.8	155.2
50°	2578.1	1513.2	223.4	150.9	134.9	123.3	110.3	110.3	120.4	134.9	134.9
52.5°	3310.8	1989.1	229.2	145.1	127.7	113.2	100.1	98.7	104.5	114.6	114.6
55°	4101.5	2511.4	251.0	139.3	119.0	107.4	92.9	85.6	90.0	95.8	95.8
57.5°	4728.3	2774.0	310.5	136.4	108.8	103.0	84.1	74.0	78.3	84.1	84.1
60°	5003.9	2620.2	377.2	139.3	101.6	95.8	75.4	65.3	72.5	78.3	79.8
62.5°	4780.5	2157.4	404.8	132.0	91.4	85.6	74.0	60.9	69.6	74.0	75.4
65°	4297.4	1639.4	316.3	114.6	84.1	74.0	66.7	58.0	65.3	69.6	69.6
66°	4068.2	1429.1	269.9	105.9	81.2	69.6	63.8	58.0	63.8	66.7	68.2
67.5°	3712.7	1127.3	200.2	92.9	75.4	63.8	59.5	55.1	60.9	63.8	63.8
70°	2903.1	671.7	120.4	72.5	65.3	56.6	53.7	50.8	55.1	56.6	56.6
72.5°	1817.9	319.2	76.9	53.7	55.1	53.7	45.0	47.9	49.3	50.8	50.8
75°	880.7	126.2	52.2	39.2	45.0	50.8	36.3	42.1	43.5	46.4	45.0
77.5°	245.2	60.9	33.4	29.0	39.2	39.2	27.6	33.4	39.2	49.3	45.0
80°	71.1	39.2	21.8	21.8	27.6	27.6	18.9	23.2	26.1	29.0	30.5
82.5°	49.3	26.1	14.5	16.0	16.0	17.4	11.6	11.6	14.5	14.5	16.0
85°	39.2	11.6	8.7	10.2	7.3	8.7	5.8	5.8	7.3	5.8	5.8
87.5°	16.0	5.8	5.8	5.8	4.4	4.4	2.9	1.5	1.5	1.5	1.5
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)