

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: P1209943

Luminaire Tested: **ARCH1-30-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-30-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

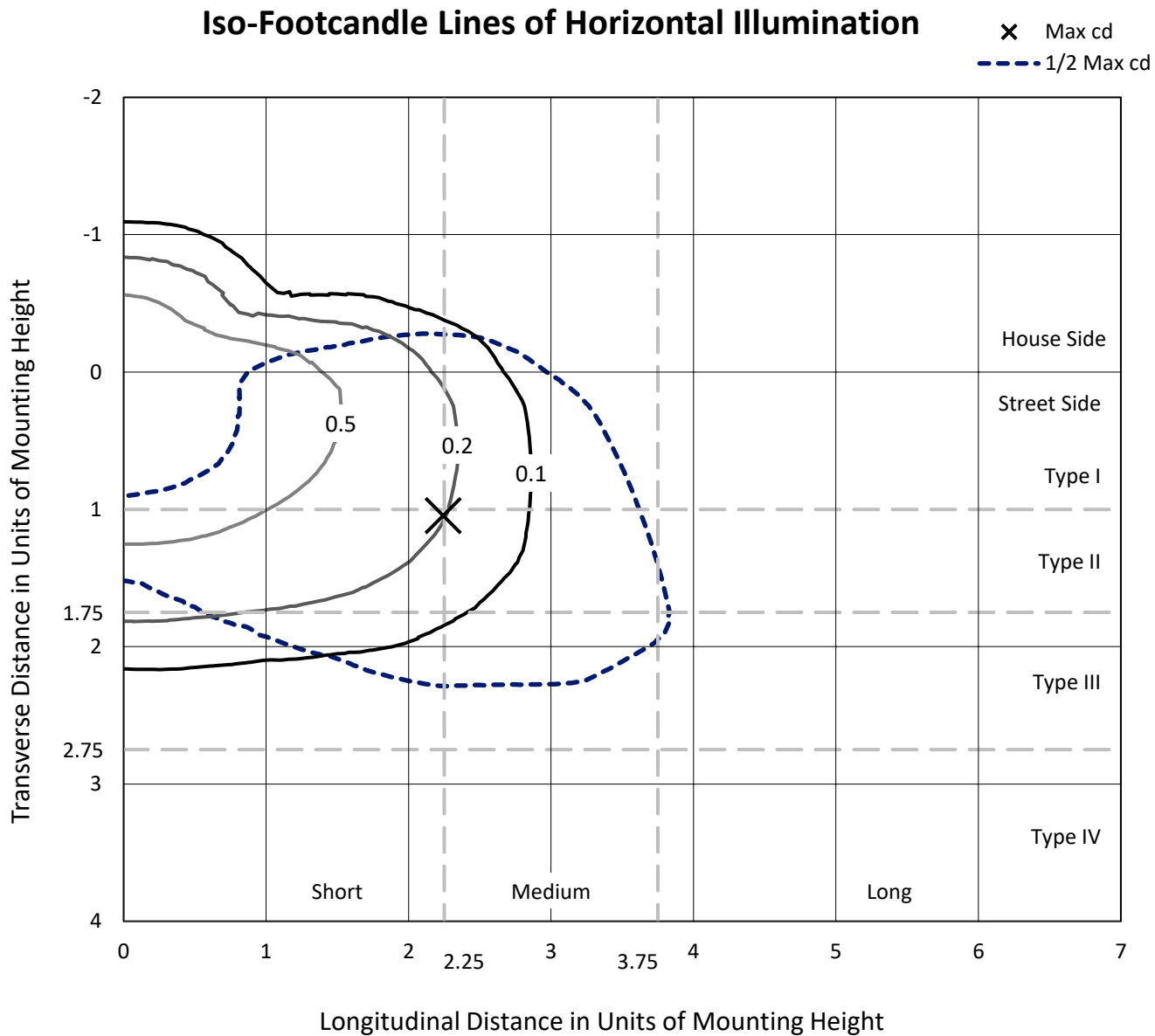
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4020 lumens
Efficiency: N/A
Efficacy: 121.8 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): 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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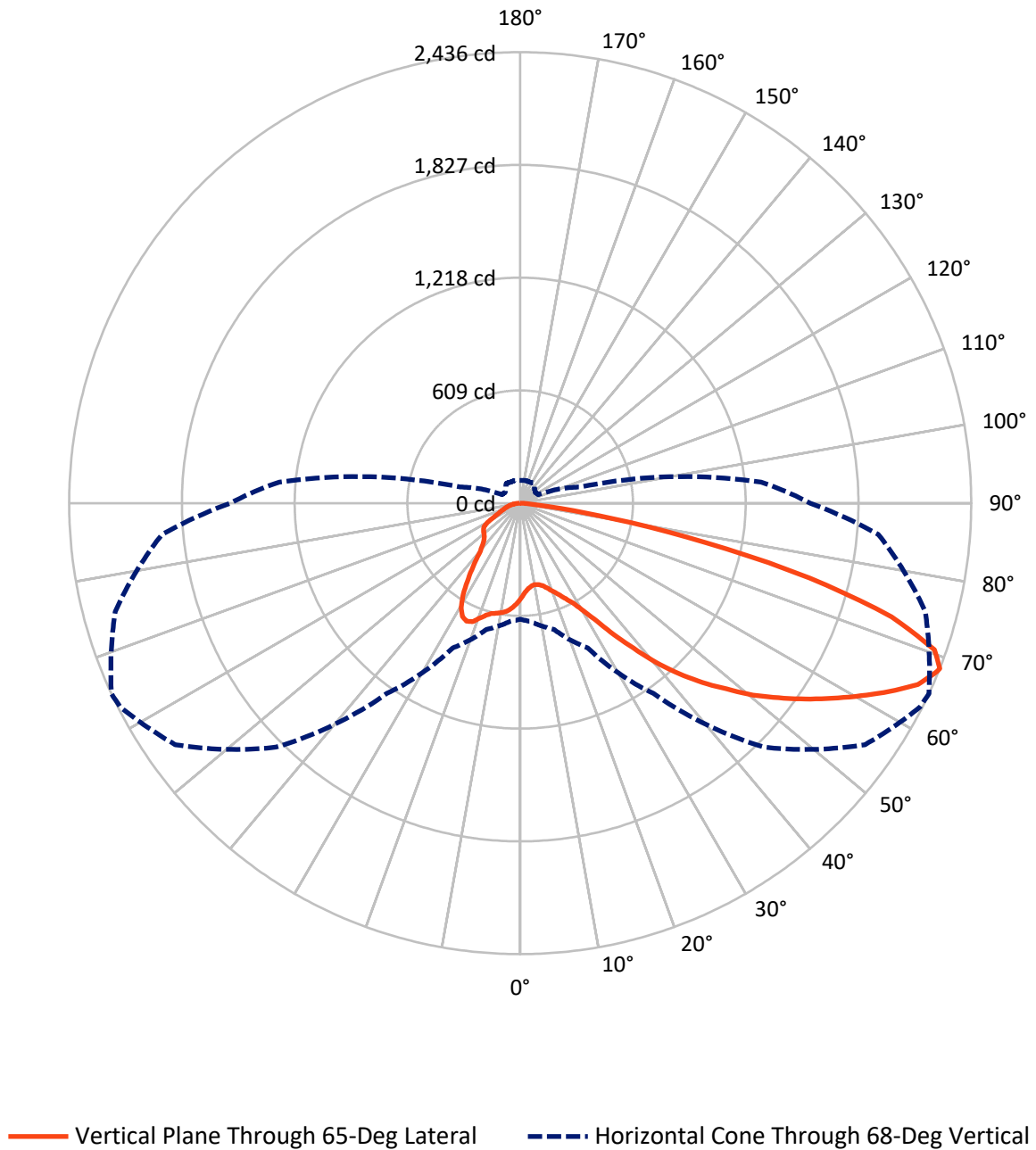


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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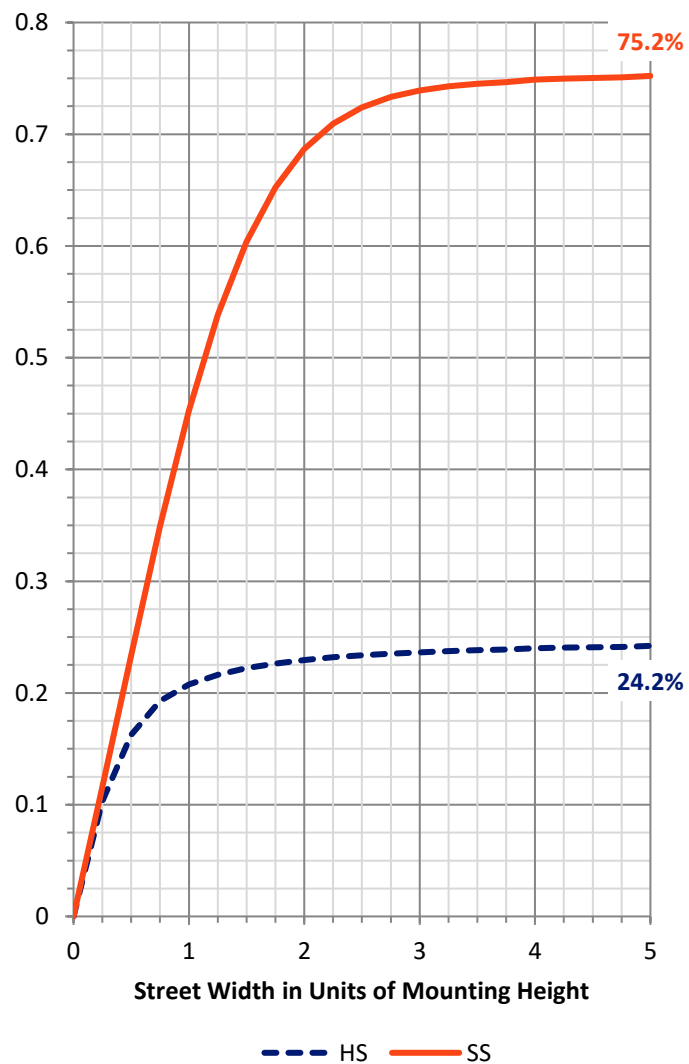
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	985.6	0.0	985.6
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	3034.4	0.0	3034.4
	% Fixture	75.5	0.0	75.5
Total	Lumens	4020.0	0.0	4020.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	1.2
10°-20°	159.9	4.0
20°-30°	289.3	7.2
30°-40°	455.1	11.3
40°-50°	677.9	16.9
50°-60°	889.2	22.1
60°-70°	972.4	24.2
70°-80°	481.2	12.0
80°-90°	45.9	1.1
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°	4020.0	100.0
0°-180°	4020.0	100.0

Coefficient of Utilization



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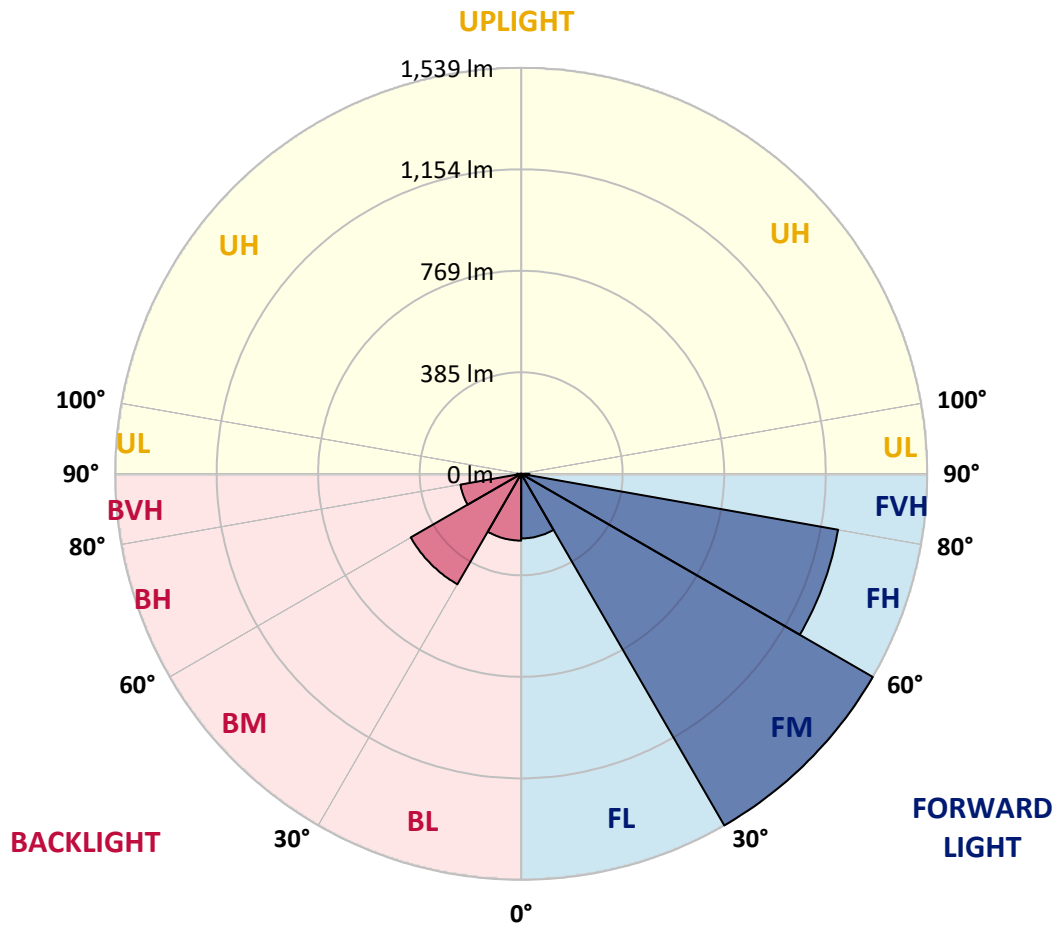
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.1	6.1			
FM	(30°-60°)	1538.8	38.3			
FH	(60°-80°)	1219.7	30.3			G1/1800
FVH	(80°-90°)	30.9	0.8			G1/100
BL	(0°-30°)	253.2	6.3	B1/500		
BM	(30°-60°)	483.4	12.0	B1/1000		
BH	(60°-80°)	233.9	5.8	B1/500		G1/500
BVH	(80°-90°)	15.0	0.4			G1/100
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°	63°	65°	75°	85°
0°	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7
2.5°	448.4	447.4	449.9	452.5	458.2	465.0	474.3	482.1	483.1	497.6	509.0
5°	422.0	420.4	423.0	426.1	428.7	437.0	446.8	458.2	462.9	484.2	508.5
7.5°	424.5	424.0	425.1	424.0	424.0	427.7	434.4	445.8	451.0	476.4	511.1
10°	439.6	440.6	441.1	438.0	434.9	433.4	435.4	443.2	446.8	476.9	522.5
12.5°	464.5	466.0	466.5	460.8	456.7	449.9	446.3	449.4	452.0	482.1	538.6
15°	498.2	499.2	495.6	491.9	481.6	473.3	464.5	461.9	462.9	493.0	556.7
17.5°	537.6	536.0	536.0	527.2	513.7	500.7	486.2	484.2	484.2	510.6	582.7
20°	580.6	582.1	577.5	565.5	552.1	531.9	517.3	508.0	509.0	530.8	614.3
22.5°	642.8	645.4	632.9	615.8	595.1	571.8	551.0	536.0	536.5	557.3	646.9
25°	709.7	710.7	702.9	680.1	652.1	618.9	591.5	572.3	571.8	586.8	688.9
27.5°	778.1	782.7	767.2	745.4	719.5	678.0	641.7	615.8	611.7	631.9	741.3
30°	848.6	854.3	839.2	818.0	785.9	750.6	707.6	677.5	674.9	701.9	811.3
32.5°	919.6	921.1	909.2	891.6	862.6	829.4	794.7	761.5	758.9	803.0	902.0
35°	977.7	982.3	974.0	969.9	948.6	918.0	884.3	865.2	871.9	928.4	1019.6
37.5°	1047.6	1052.3	1043.0	1041.9	1035.2	1008.8	985.4	987.0	993.7	1070.4	1143.5
40°	1148.7	1153.9	1130.1	1119.7	1119.7	1093.8	1086.0	1122.8	1131.6	1210.4	1272.6
42.5°	1234.2	1242.5	1228.5	1221.8	1201.6	1183.4	1192.8	1244.6	1259.6	1344.1	1385.1
45°	1275.7	1281.9	1298.5	1318.2	1298.5	1266.9	1302.2	1360.7	1382.0	1467.5	1497.6
47.5°	1298.0	1303.7	1322.9	1375.8	1389.2	1362.8	1412.6	1485.7	1500.2	1589.8	1604.9
50°	1301.1	1319.3	1344.1	1397.0	1458.7	1462.3	1523.5	1612.7	1629.8	1710.1	1699.2
52.5°	1275.7	1283.0	1334.3	1423.5	1491.9	1554.1	1644.3	1734.5	1746.9	1823.1	1782.7
55°	1234.2	1244.6	1295.9	1417.2	1524.0	1641.2	1767.1	1854.2	1868.2	1933.0	1859.9
57.5°	1196.9	1202.1	1257.1	1399.1	1556.2	1728.3	1876.5	1979.1	1988.5	2029.4	1916.9
60°	1155.5	1161.2	1216.1	1360.2	1580.0	1794.1	1990.6	2105.1	2113.4	2131.0	1983.3
62.5°	1048.1	1063.2	1132.1	1295.9	1573.8	1869.3	2112.4	2229.5	2239.9	2220.7	2035.6
65°	851.2	872.4	956.9	1150.3	1515.7	1918.0	2211.9	2344.1	2361.7	2288.1	2049.6
67.5°	660.9	676.0	743.9	912.9	1312.0	1893.6	2276.2	2422.9	2428.1	2277.2	1971.9
68°	626.7	641.7	706.5	863.1	1255.5	1864.6	2274.6	2424.9	2436.4	2265.3	1941.8
70°	479.5	496.6	558.3	683.7	1011.9	1680.0	2179.8	2375.2	2373.6	2121.2	1755.2
72.5°	299.6	309.5	352.0	431.3	669.2	1278.3	1850.1	2094.7	2098.9	1729.3	1346.2
75°	190.2	190.2	188.2	208.9	343.2	728.3	1375.2	1612.7	1615.8	1210.9	848.6
77.5°	165.4	160.7	138.4	117.2	136.9	283.0	813.8	1041.4	1024.3	652.1	402.8
80°	139.4	131.7	113.5	94.3	88.1	88.6	312.6	528.7	505.9	234.8	133.7
82.5°	100.6	93.8	85.5	74.1	67.9	52.9	65.3	152.9	149.3	67.9	43.5
85°	54.4	49.2	48.2	48.7	41.0	32.7	27.5	33.7	33.7	29.5	24.9
87.5°	19.2	14.0	16.6	18.7	16.1	13.5	10.9	13.0	13.5	13.0	11.9
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°	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7	513.7
2.5°	515.8	521.0	533.4	544.3	552.1	558.8	562.4	564.0	567.6	568.1	567.1
5°	519.9	533.4	552.1	568.1	576.9	580.6	581.6	582.1	580.6	581.6	580.6
7.5°	530.8	547.9	574.4	588.4	589.9	584.2	584.7	582.7	584.7	586.8	586.8
10°	547.4	569.2	594.1	599.2	592.5	589.4	595.6	608.1	612.2	617.9	617.9
12.5°	569.2	595.1	612.7	608.1	601.8	612.2	630.3	642.8	646.9	649.0	647.4
15°	594.1	622.0	630.9	615.3	626.7	649.0	655.2	648.0	637.6	632.9	635.5
17.5°	625.7	649.0	643.8	633.5	659.4	662.5	642.3	618.9	602.3	596.1	600.3
20°	658.9	679.1	655.2	659.9	676.0	642.8	604.4	574.4	559.8	557.3	561.4
22.5°	694.1	707.1	666.6	690.5	666.6	599.2	553.1	537.6	533.9	538.1	541.7
25°	734.0	732.5	686.3	699.8	631.9	545.8	518.4	517.3	517.3	519.9	525.1
27.5°	779.1	754.8	706.0	687.4	571.8	501.8	496.6	497.1	495.6	496.1	498.7
30°	831.5	784.8	727.8	646.4	504.4	468.6	466.5	465.0	461.4	460.3	461.4
32.5°	897.3	816.4	750.1	579.0	445.3	434.4	433.4	425.1	416.3	415.2	418.8
35°	980.8	874.0	761.5	494.5	396.6	396.0	392.4	379.4	368.0	368.0	365.5
37.5°	1076.1	948.1	766.2	412.1	356.1	358.7	348.3	331.8	322.9	317.8	319.3
40°	1173.6	1032.6	765.6	340.1	320.9	321.4	313.6	293.4	271.6	258.7	261.8
42.5°	1267.4	1109.3	752.2	301.7	292.4	290.8	284.6	257.1	239.0	228.6	229.1
45°	1342.6	1188.6	731.4	278.9	266.4	269.0	255.0	238.5	221.9	212.5	212.0
47.5°	1417.7	1248.8	698.2	264.9	247.3	242.6	236.9	225.5	213.1	202.7	203.2
50°	1486.2	1300.1	667.1	255.6	229.6	217.7	218.8	212.0	201.1	191.8	191.3
52.5°	1534.4	1333.8	650.0	250.4	208.4	195.4	199.1	195.4	185.1	178.3	177.8
55°	1582.6	1359.7	655.7	243.6	185.1	174.7	180.9	179.9	174.2	172.1	172.6
57.5°	1621.5	1379.4	676.0	231.2	162.8	156.5	166.9	163.8	159.7	160.2	160.2
60°	1659.3	1404.8	699.8	202.7	143.6	144.1	154.0	148.3	145.7	150.3	150.8
62.5°	1698.7	1432.3	680.1	161.2	127.0	130.6	142.0	137.4	138.4	145.1	147.2
65°	1694.0	1429.7	554.1	132.2	112.5	119.7	136.9	135.3	135.8	138.4	139.4
67.5°	1598.7	1338.4	381.0	112.5	102.1	110.9	132.7	126.5	127.0	125.4	126.0
68°	1566.5	1306.3	335.9	109.4	100.0	108.9	130.6	124.9	125.4	123.9	123.4
70°	1391.3	1118.6	212.5	96.4	92.8	103.2	120.3	118.2	117.7	116.6	116.6
72.5°	1060.6	825.8	112.0	83.5	84.5	94.3	107.3	111.5	108.9	109.4	112.5
75°	702.4	496.6	77.8	71.5	74.1	80.9	95.4	103.7	101.1	102.6	101.1
77.5°	371.7	267.5	62.2	60.6	60.6	65.3	78.8	91.8	91.8	90.7	89.2
80°	121.8	94.3	49.8	47.7	48.7	51.3	63.2	75.2	76.7	74.6	73.6
82.5°	41.0	43.5	37.3	34.7	35.8	37.8	47.7	57.5	58.1	53.9	52.9
85°	25.4	29.0	23.3	22.8	22.8	23.3	29.0	31.6	29.0	25.9	27.0
87.5°	11.9	14.5	10.9	9.3	7.8	6.7	5.2	2.1	2.1	1.0	1.0
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)