

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: P1210069

Luminaire Tested: **ARCH2-100-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-100-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 760mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11290 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 103.3
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

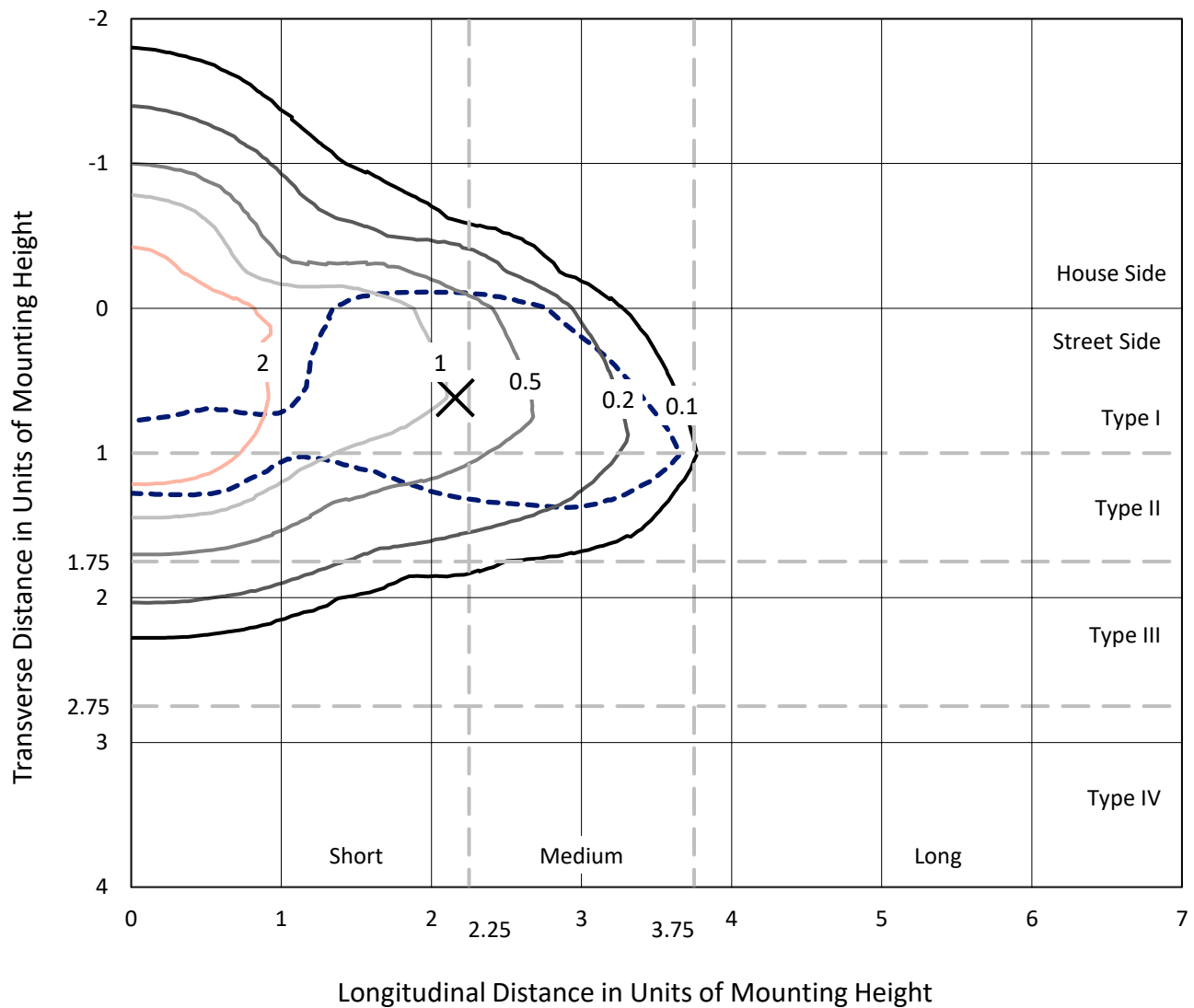


REPORT NUMBER: P1210069

CATALOG NUMBER: ARCH2-100-722-U-T2RE

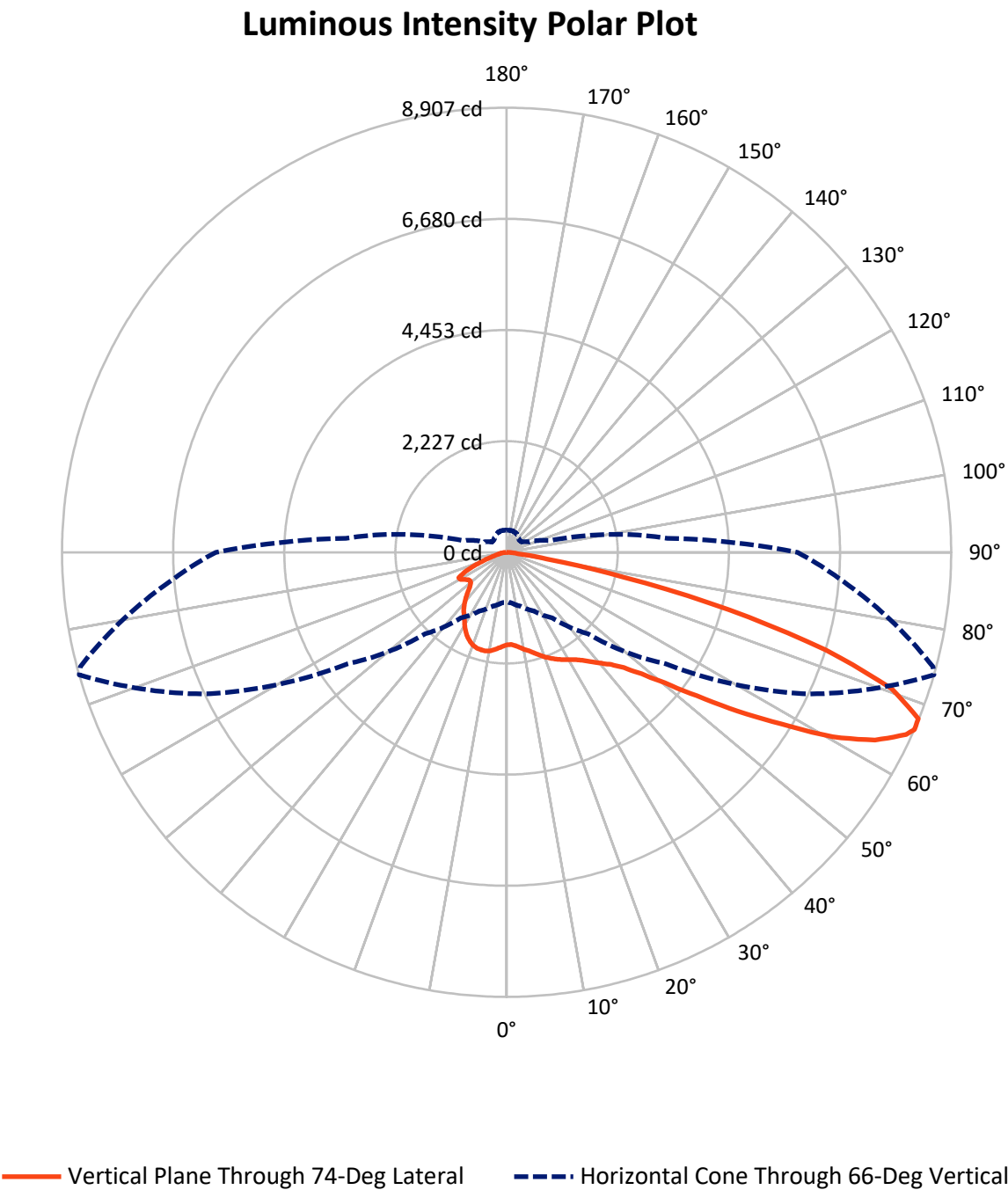
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
Type II - Short - N/A

REPORT NUMBER: P1210069
CATALOG NUMBER: ARCH2-100-722-U-T2RE



REPORT NUMBER: P1210069

CATALOG NUMBER: ARCH2-100-722-U-T2RE

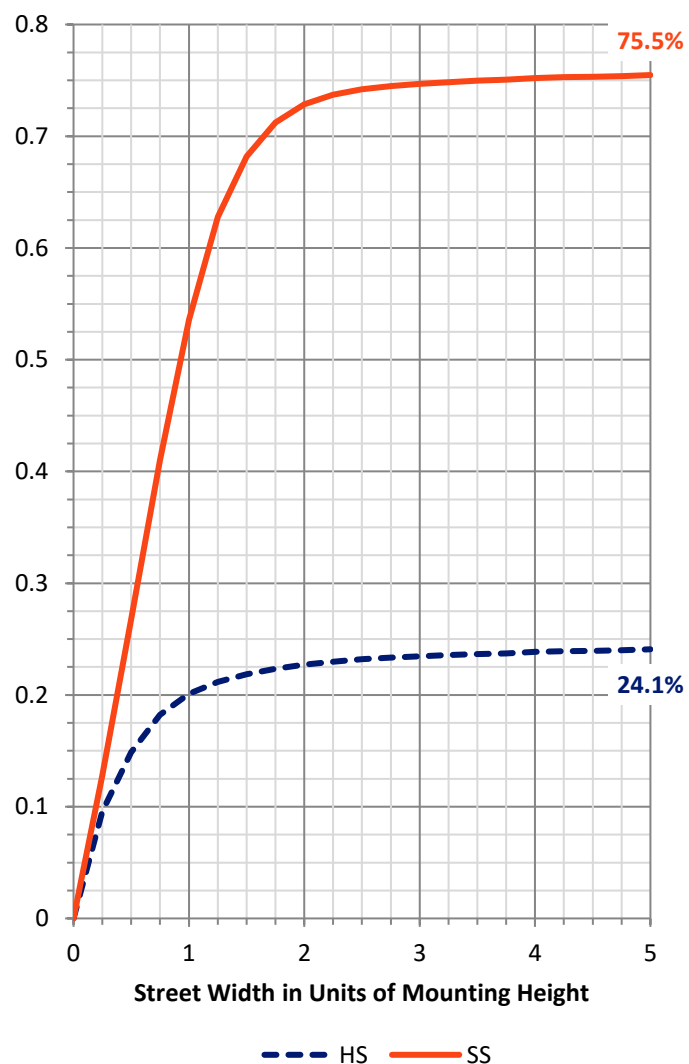
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2749.4	0.0	2749.4
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	8540.6	0.0	8540.6
	% Fixture	75.6	0.0	75.6
Total	Lumens	11290.0	0.0	11290.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.5	1.6
10°-20°	542.9	4.8
20°-30°	1018.8	9.0
30°-40°	1567.2	13.9
40°-50°	2108.0	18.7
50°-60°	2492.9	22.1
60°-70°	2306.1	20.4
70°-80°	970.2	8.6
80°-90°	107.4	1.0
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°	11290.0	100.0
0°-180°	11290.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210069

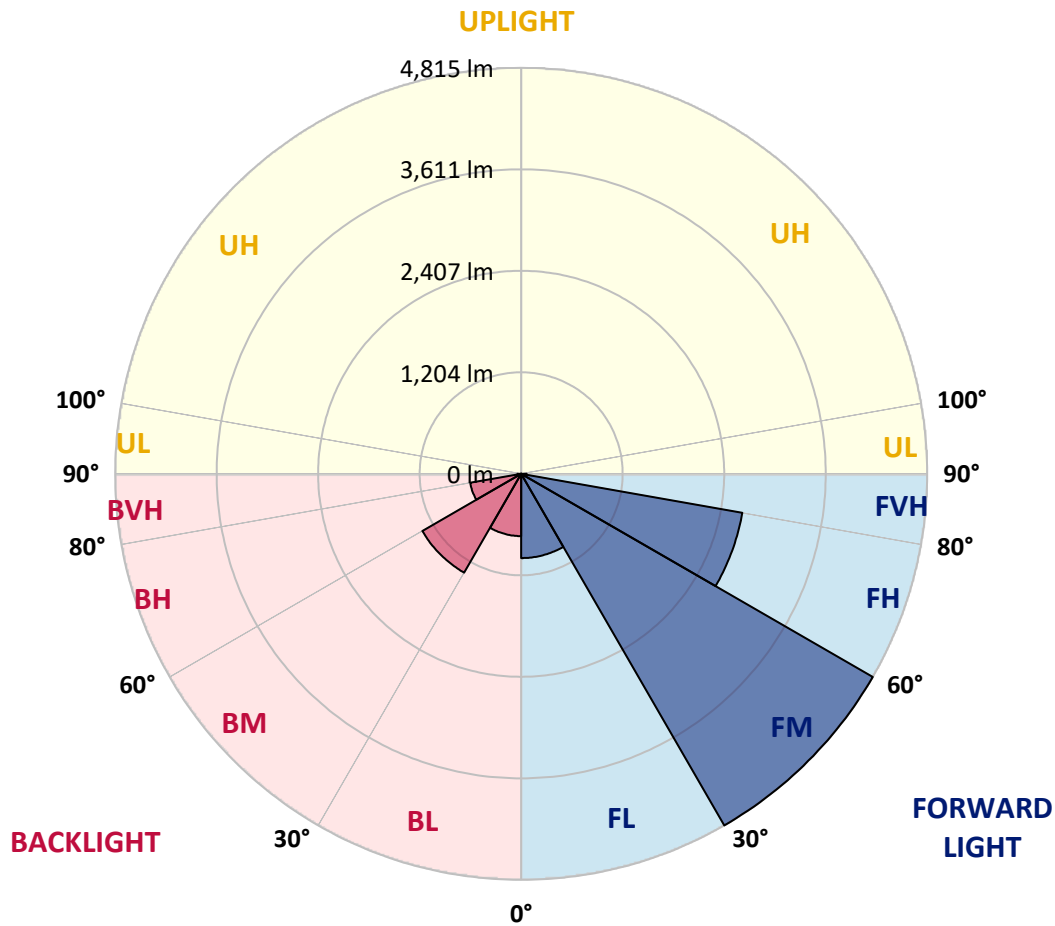
CATALOG NUMBER: ARCH2-100-722-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	999.3	8.9			
FM	(30°-60°)	4814.5	42.6			
FH	(60°-80°)	2662.5	23.6			G2/5000
FVH	(80°-90°)	64.2	0.6			G1/100
BL	(0°-30°)	739.0	6.5	B2/1000		
BM	(30°-60°)	1353.5	12.0	B2/2500		
BH	(60°-80°)	613.8	5.4	B2/1000		G2/1000
BVH	(80°-90°)	43.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P1210069

CATALOG NUMBER: ARCH2-100-722-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8
2.5°	1845.0	1842.1	1847.9	1856.6	1861.0	1853.7	1850.8	1849.4	1849.4	1845.0	1852.3
5°	1757.8	1756.4	1769.5	1785.4	1815.9	1837.7	1866.8	1884.2	1878.4	1869.7	1875.5
7.5°	1644.5	1641.6	1657.6	1688.1	1730.2	1778.2	1849.4	1904.6	1926.3	1923.4	1922.0
10°	1688.1	1685.2	1683.7	1675.0	1689.6	1736.0	1810.1	1907.5	1981.6	1983.0	1984.5
12.5°	1839.2	1846.4	1839.2	1811.6	1779.6	1762.2	1805.8	1914.7	2028.0	2036.8	2073.1
15°	2045.5	2038.2	2023.7	1991.7	1942.3	1890.0	1858.1	1948.1	2094.9	2102.1	2182.0
17.5°	2227.1	2232.9	2224.2	2193.7	2135.5	2067.3	1969.9	2006.3	2166.1	2186.4	2298.3
20°	2424.6	2447.9	2436.3	2398.5	2350.6	2248.9	2126.8	2090.5	2244.5	2259.0	2418.8
22.5°	2652.7	2677.4	2655.6	2619.3	2580.1	2455.2	2298.3	2193.7	2309.9	2340.4	2535.1
25°	2925.8	2949.1	2928.7	2872.1	2822.7	2670.2	2482.8	2309.9	2373.8	2407.2	2629.5
27.5°	3142.3	3159.7	3178.6	3145.2	3069.7	2911.3	2674.5	2430.5	2437.7	2472.6	2716.6
30°	3335.5	3379.1	3395.1	3399.4	3335.5	3158.3	2870.6	2555.4	2492.9	2529.2	2803.8
32.5°	3599.9	3665.3	3639.1	3665.3	3627.5	3390.7	3074.0	2684.7	2564.1	2597.5	2886.6
35°	3986.4	4038.7	3970.4	3950.0	3889.0	3626.1	3270.1	2818.3	2658.5	2694.9	2965.1
37.5°	4401.8	4461.4	4362.6	4281.3	4165.0	3858.5	3438.7	2994.1	2789.3	2818.3	3037.7
40°	4765.0	4814.4	4728.7	4621.2	4426.5	4063.3	3583.9	3117.6	2920.0	2956.4	3122.0
42.5°	5100.6	5132.6	5036.7	4933.5	4673.5	4247.8	3740.8	3248.4	3072.6	3107.4	3190.2
45°	5440.6	5465.3	5331.6	5184.9	4879.8	4416.4	3913.7	3431.4	3296.3	3342.8	3300.7
47.5°	5501.6	5508.8	5485.6	5386.8	5042.5	4577.6	4127.3	3676.9	3637.7	3688.5	3491.0
50°	5078.8	5144.2	5288.0	5385.4	5107.9	4712.7	4340.8	4028.5	4108.4	4173.8	3886.1
52.5°	4258.0	4320.5	4653.2	5022.2	4951.0	4743.2	4570.4	4474.5	4772.3	4850.7	4423.6
55°	3392.2	3447.4	3798.9	4330.7	4444.0	4603.8	4815.9	5044.0	5619.2	5671.5	5013.4
57.5°	2793.6	2824.2	3075.5	3586.8	3768.4	4157.8	4948.1	5720.9	6480.7	6560.6	5526.3
60°	2291.0	2324.4	2511.8	2933.1	3174.3	3520.0	4843.5	6389.2	7509.3	7509.3	6184.4
62.5°	1724.4	1753.5	1927.8	2257.6	2662.9	2979.6	4509.3	6832.3	8285.0	8250.2	6660.9
65°	1184.0	1207.2	1333.6	1553.0	1917.6	2539.4	4053.2	6838.1	8799.3	8752.8	6864.3
66°	993.7	1014.0	1121.5	1298.8	1605.3	2304.1	3891.9	6714.6	8906.8	8841.5	6778.5
67.5°	784.5	799.0	870.2	974.8	1176.7	1865.3	3637.7	6364.5	8896.7	8857.4	6560.6
70°	560.8	570.9	623.2	645.0	695.9	1079.4	2889.5	5574.2	8183.4	8195.0	5703.5
72.5°	434.4	450.4	482.3	486.7	475.0	573.8	1753.5	4650.3	6694.3	6689.9	4233.3
75°	350.1	358.8	374.8	383.5	380.6	370.5	742.4	3469.2	4608.1	4661.9	2370.9
77.5°	276.0	274.6	289.1	300.7	309.4	290.6	339.9	2033.9	2415.9	2347.6	890.5
80°	203.4	203.4	223.7	228.1	241.2	244.1	226.6	784.5	829.5	754.0	231.0
82.5°	133.7	133.7	155.4	158.3	171.4	190.3	164.2	235.3	229.5	217.9	104.6
85°	72.6	69.7	77.0	87.2	94.4	111.9	98.8	117.7	120.6	119.1	69.7
87.5°	14.5	13.1	20.3	23.2	26.1	34.9	32.0	47.9	66.8	65.4	30.5
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: P1210069

CATALOG NUMBER: ARCH2-100-722-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8
2.5°	1862.4	1861.0	1877.0	1895.8	1917.6	1930.7	1936.5	1946.7	1939.4	1942.3	1951.0
5°	1890.0	1894.4	1917.6	1942.3	1952.5	1945.2	1929.3	1923.4	1910.4	1907.5	1904.6
7.5°	1930.7	1938.0	1961.2	1967.0	1936.5	1885.7	1849.4	1829.0	1807.2	1801.4	1798.5
10°	1997.5	2001.9	2007.7	1948.1	1872.6	1804.3	1759.3	1740.4	1725.9	1714.2	1717.2
12.5°	2081.8	2078.9	2033.9	1910.4	1802.9	1733.1	1702.6	1691.0	1680.8	1673.6	1672.1
15°	2187.8	2167.5	2038.2	1858.1	1737.5	1679.4	1657.6	1653.2	1641.6	1641.6	1640.2
17.5°	2295.3	2243.0	2035.3	1802.9	1675.0	1643.1	1630.0	1627.1	1624.2	1622.7	1627.1
20°	2402.9	2309.9	2012.1	1734.6	1631.4	1612.6	1609.6	1611.1	1608.2	1612.6	1609.6
22.5°	2497.3	2353.5	1968.5	1661.9	1600.9	1599.5	1592.2	1595.1	1605.3	1606.7	1611.1
25°	2569.9	2369.4	1904.6	1595.1	1579.1	1576.2	1585.0	1596.6	1605.3	1606.7	1614.0
27.5°	2629.5	2360.7	1824.7	1542.8	1541.4	1557.4	1583.5	1587.9	1589.3	1589.3	1583.5
30°	2674.5	2341.8	1723.0	1484.7	1492.0	1531.2	1555.9	1555.9	1544.3	1541.4	1550.1
32.5°	2684.7	2317.1	1612.6	1425.1	1436.8	1483.3	1513.8	1503.6	1490.5	1490.5	1496.3
35°	2693.4	2283.7	1523.9	1343.8	1361.2	1416.4	1445.5	1425.1	1410.6	1406.3	1404.8
37.5°	2690.5	2270.7	1444.0	1240.7	1263.9	1317.6	1336.5	1317.6	1295.9	1285.7	1298.8
40°	2693.4	2261.9	1343.8	1127.3	1150.6	1182.5	1207.2	1192.7	1172.4	1146.2	1159.3
42.5°	2710.8	2273.6	1233.4	1016.9	1016.9	1034.4	1076.5	1066.3	1016.9	1006.8	1018.4
45°	2803.8	2336.0	1123.0	906.5	890.5	902.2	945.7	902.2	871.7	871.7	881.8
47.5°	3029.0	2452.2	1025.6	809.2	771.4	794.7	806.3	765.6	742.4	736.5	746.7
50°	3488.1	2684.7	967.5	729.3	682.8	700.2	693.0	691.5	668.3	671.2	677.0
52.5°	4185.4	3137.9	950.1	690.1	631.9	636.3	629.0	631.9	627.6	642.1	646.5
55°	4945.2	3615.9	971.9	695.9	597.1	566.6	569.5	584.0	601.4	624.7	629.0
57.5°	5513.2	3855.6	1028.5	735.1	553.5	507.0	514.3	541.9	575.3	594.2	604.3
60°	5935.9	3826.5	1111.4	745.3	501.2	453.3	466.3	507.0	536.1	552.0	562.2
62.5°	6074.0	3645.0	1131.7	671.2	432.9	402.4	434.4	476.5	489.6	507.0	514.3
65°	5960.6	3387.8	983.5	544.8	380.6	364.6	411.1	443.1	460.5	469.2	470.7
66°	5827.0	3233.8	903.6	495.4	361.7	353.0	402.4	428.6	446.0	444.5	446.0
67.5°	5533.5	2911.3	774.3	425.7	334.1	335.6	387.9	405.3	411.1	406.8	406.8
70°	4535.5	2049.8	555.0	322.5	293.5	313.8	348.7	353.0	366.1	360.3	360.3
72.5°	2796.5	1006.8	371.9	247.0	261.5	293.5	292.0	306.5	337.0	345.8	351.6
75°	1374.3	408.2	245.5	209.2	233.9	245.5	242.6	278.9	322.5	360.3	373.4
77.5°	521.5	203.4	171.4	183.0	188.9	184.5	193.2	252.8	322.5	390.8	403.9
80°	161.3	140.9	135.1	151.1	142.4	135.1	145.3	209.2	273.1	296.4	296.4
82.5°	97.3	110.4	104.6	103.1	95.9	97.3	104.6	149.6	210.6	220.8	220.8
85°	68.3	72.6	59.6	56.7	55.2	53.8	53.8	87.2	124.9	123.5	127.8
87.5°	26.1	29.1	21.8	21.8	20.3	14.5	11.6	14.5	14.5	10.2	7.3
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)