

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: P1210294

Luminaire Tested: **ARCH2-80-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-80-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 630mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

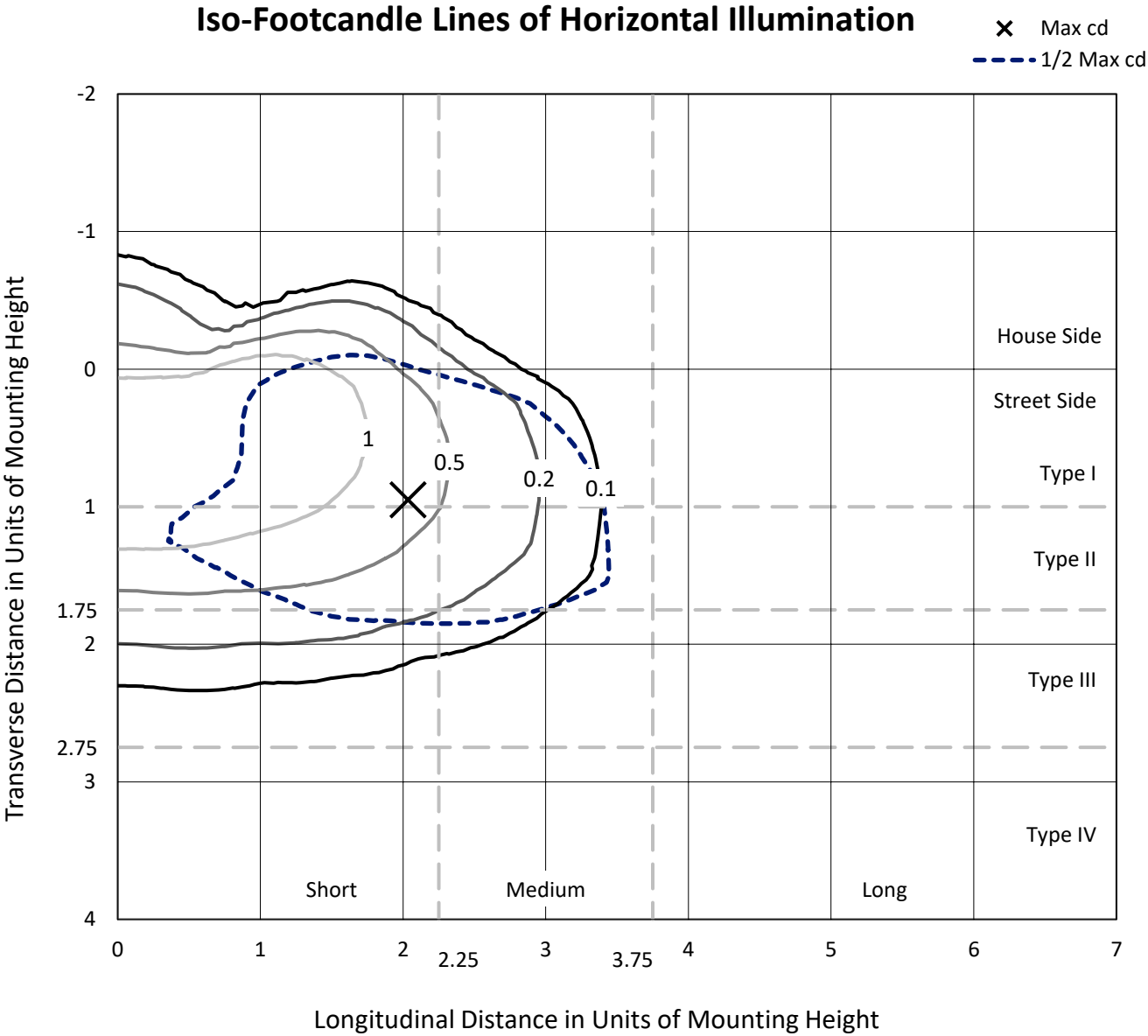
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6920 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 84.3
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



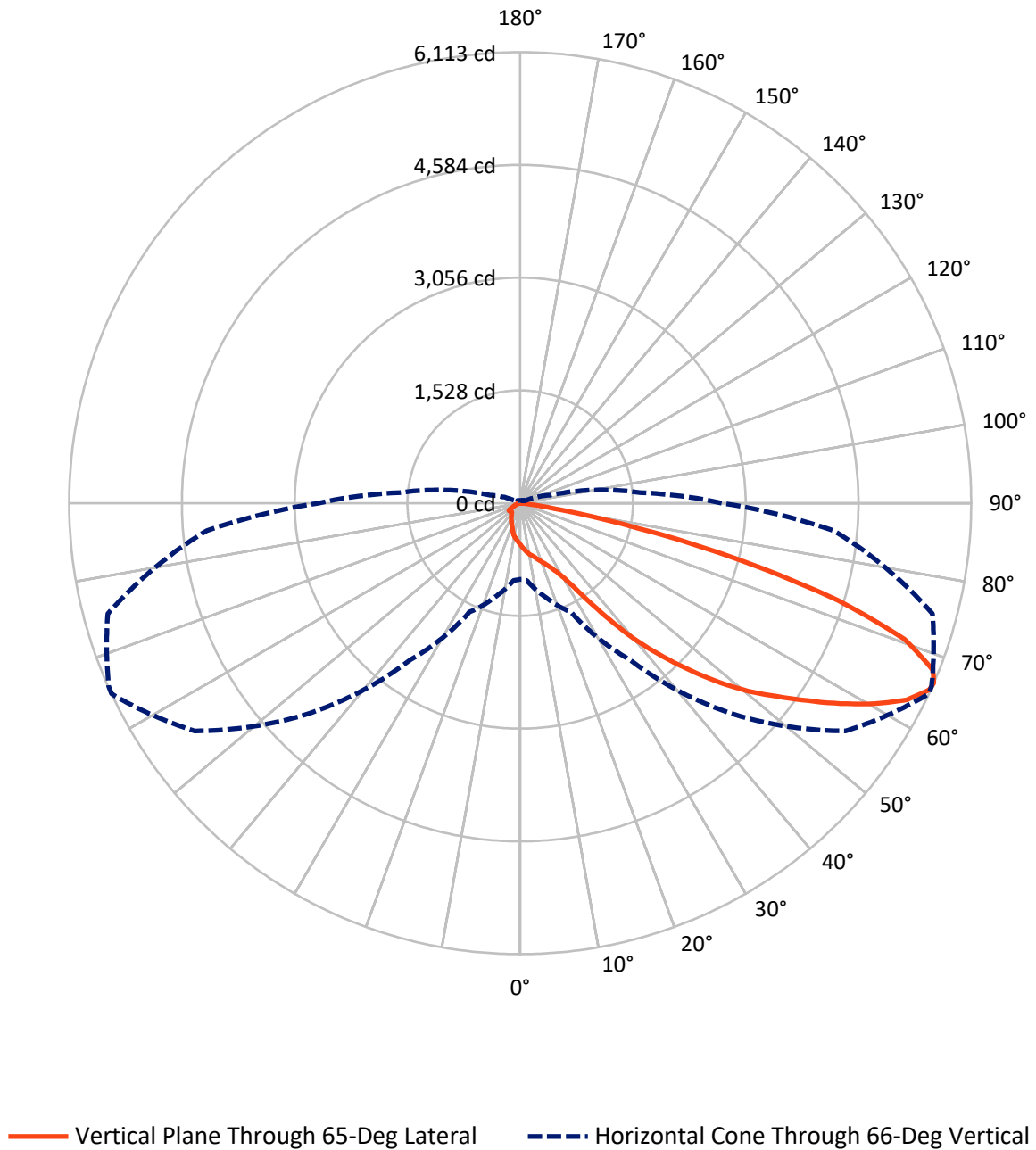
REPORT NUMBER: P1210294
CATALOG NUMBER: ARCH2-80-722-U-T3RE-HSS



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type III - Short - N/A

REPORT NUMBER: P1210294
CATALOG NUMBER: ARCH2-80-722-U-T3RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1210294

CATALOG NUMBER: ARCH2-80-722-U-T3RE-HSS

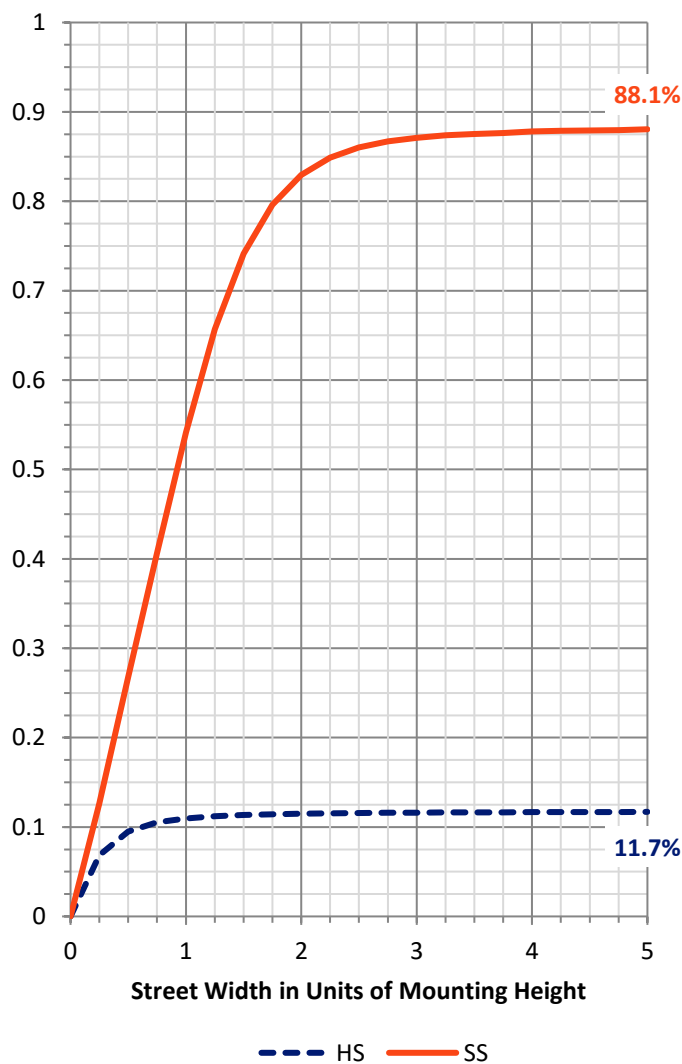
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	816.7	0.0	816.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6103.3	0.0	6103.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	6920.0	0.0	6920.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	0.8
10°-20°	158.2	2.3
20°-30°	289.6	4.2
30°-40°	588.4	8.5
40°-50°	1242.6	18.0
50°-60°	1910.3	27.6
60°-70°	1922.9	27.8
70°-80°	718.5	10.4
80°-90°	35.9	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°	6920.0	100.0
0°-180°	6920.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210294

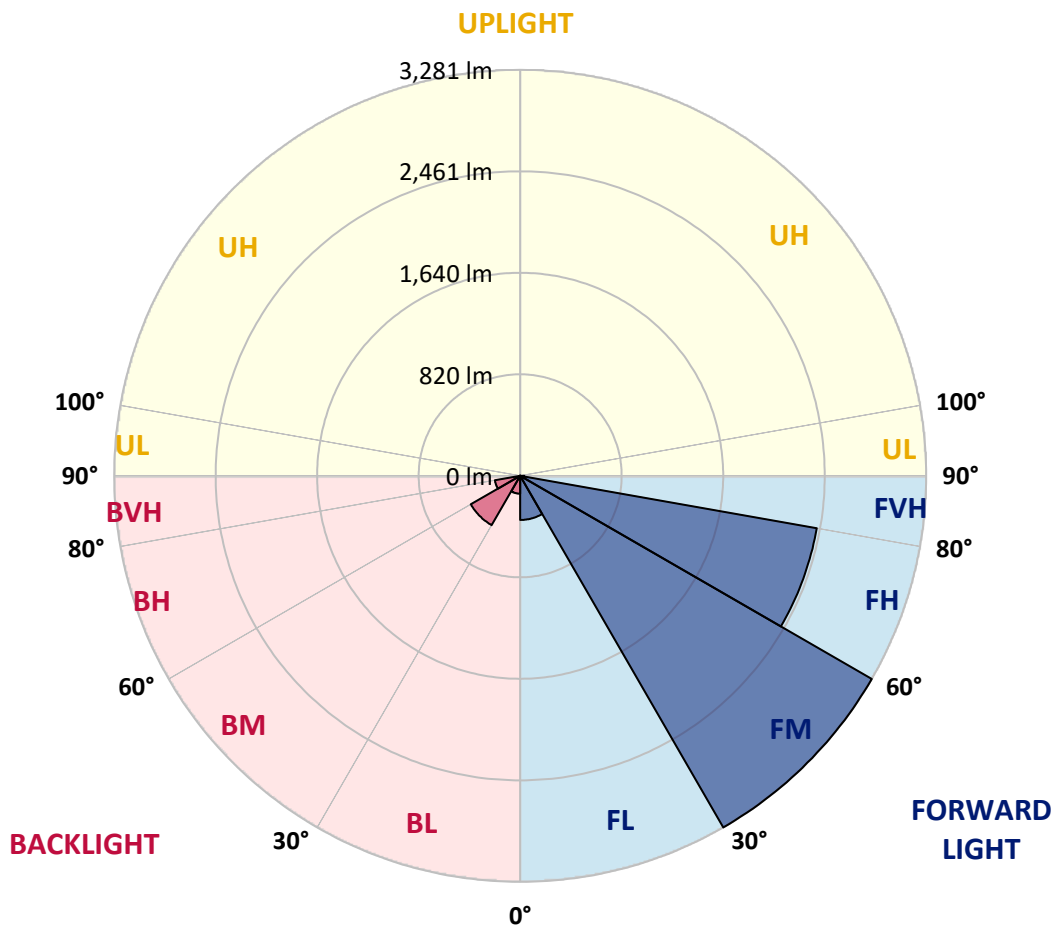
CATALOG NUMBER: ARCH2-80-722-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.7	5.2			
FM	(30°-60°)	3281.0	47.4			
FH	(60°-80°)	2433.9	35.2			G2/5000
FVH	(80°-90°)	31.7	0.5			G1/100
BL	(0°-30°)	144.6	2.1	B1/500		
BM	(30°-60°)	460.5	6.7	B1/1000		
BH	(60°-80°)	207.5	3.0	B1/500		G1/500
BVH	(80°-90°)	4.2	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 III Short



REPORT NUMBER: P1210294

CATALOG NUMBER: ARCH2-80-722-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8
2.5°	642.9	644.1	641.6	636.6	631.6	625.3	615.3	598.9	596.4	585.1	572.6
5°	686.8	689.3	685.6	684.3	681.8	673.0	659.2	635.4	632.8	610.2	581.4
7.5°	701.9	705.7	703.2	703.2	703.2	699.4	693.1	671.8	668.0	639.1	595.2
10°	713.2	715.7	714.5	719.5	723.3	720.7	717.0	704.4	700.7	671.8	614.0
12.5°	730.8	732.0	733.3	735.8	742.1	744.6	743.3	732.0	729.5	709.4	637.9
15°	747.1	747.1	748.4	759.7	768.5	773.5	774.7	765.9	763.4	747.1	668.0
17.5°	762.2	763.4	767.2	779.8	794.8	804.9	811.1	807.4	803.6	791.1	703.2
20°	784.8	787.3	791.1	808.6	823.7	840.0	852.6	851.3	850.1	841.3	744.6
22.5°	823.7	826.2	832.5	848.8	863.9	884.0	905.3	904.1	900.3	894.0	793.6
25°	882.7	882.7	886.5	900.3	919.1	943.0	963.1	966.8	963.1	959.3	855.1
27.5°	956.8	958.1	958.1	973.1	990.7	1020.8	1046.0	1049.7	1049.7	1046.0	938.0
30°	1059.8	1056.0	1053.5	1066.0	1084.9	1128.8	1172.8	1180.3	1176.5	1182.8	1054.7
32.5°	1236.8	1230.5	1209.2	1211.7	1223.0	1283.3	1357.4	1383.7	1382.5	1393.8	1243.1
35°	1481.7	1469.1	1437.7	1411.3	1410.1	1475.4	1588.4	1687.6	1686.3	1725.3	1529.4
37.5°	1757.9	1774.2	1715.2	1670.0	1656.2	1707.7	1853.3	2068.0	2079.4	2147.2	1904.8
40°	2127.1	2137.1	2061.8	1997.7	1932.4	1951.3	2143.4	2477.4	2497.5	2572.8	2280.3
42.5°	2448.5	2458.6	2414.6	2336.8	2253.9	2218.7	2436.0	2849.1	2865.4	2969.6	2667.0
45°	2667.0	2674.5	2689.6	2697.1	2603.0	2530.1	2793.8	3230.8	3250.9	3371.4	3044.9
47.5°	2837.8	2844.0	2874.2	2949.5	2930.7	2872.9	3158.0	3627.6	3632.6	3766.9	3412.8
50°	2916.9	2931.9	3006.0	3121.5	3204.4	3220.7	3553.5	4003.0	4016.8	4144.9	3760.7
52.5°	2829.0	2834.0	3021.1	3238.3	3405.3	3571.1	3950.3	4350.8	4391.0	4486.4	4073.3
55°	2532.6	2569.1	2852.8	3234.5	3563.5	3903.8	4374.7	4726.3	4762.7	4822.9	4348.3
57.5°	2188.6	2228.8	2574.1	3072.6	3631.3	4211.4	4767.7	5125.5	5150.7	5167.0	4600.7
60°	1891.0	1928.7	2284.0	2762.4	3563.5	4428.7	5133.1	5522.3	5543.7	5499.7	4727.5
62.5°	1525.6	1563.3	1921.1	2351.8	3297.3	4472.6	5404.3	5875.2	5884.0	5764.7	4649.7
65°	1150.2	1175.3	1474.1	1843.3	2831.5	4239.1	5465.8	6094.9	6086.1	5841.3	4416.1
66°	1030.9	1052.2	1315.9	1629.8	2589.1	4025.6	5383.0	6112.5	6103.7	5784.8	4262.9
67.5°	889.0	895.3	1112.5	1333.5	2166.0	3572.3	5130.6	6032.1	6039.7	5629.1	3982.9
70°	694.4	693.1	818.7	927.9	1479.2	2541.4	4279.2	5526.1	5562.5	5041.4	3396.5
72.5°	444.5	429.4	502.3	567.6	861.4	1475.4	3120.3	4504.0	4565.5	3960.3	2530.1
75°	264.9	249.9	267.5	283.8	413.1	709.4	1834.5	3065.0	3124.0	2538.9	1505.5
77.5°	198.4	192.1	193.4	179.6	183.3	266.2	837.5	1619.8	1662.5	1039.7	571.3
80°	151.9	135.6	126.8	133.1	120.5	105.5	311.4	557.5	583.9	246.1	119.3
82.5°	101.7	87.9	81.6	89.2	76.6	59.0	75.3	108.0	105.5	66.5	46.5
85°	52.7	45.2	45.2	45.2	38.9	28.9	32.6	43.9	43.9	35.2	27.6
87.5°	15.1	13.8	16.3	15.1	11.3	11.3	12.6	15.1	15.1	13.8	12.6
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: P1210294

CATALOG NUMBER: ARCH2-80-722-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8
2.5°	562.5	557.5	543.7	533.6	523.6	514.8	504.8	502.3	497.2	498.5	496.0
5°	566.3	552.5	528.6	506.0	488.4	473.4	454.5	447.0	437.0	433.2	430.7
7.5°	571.3	551.2	516.1	484.7	454.5	424.4	394.3	376.7	365.4	360.4	356.6
10°	582.6	556.3	509.8	460.8	409.3	366.6	336.5	324.0	316.4	315.2	313.9
12.5°	597.7	563.8	503.5	430.7	362.9	322.7	303.9	300.1	298.8	298.8	297.6
15°	620.3	576.3	493.5	395.5	326.5	298.8	290.1	283.8	281.3	281.3	281.3
17.5°	642.9	591.4	478.4	359.1	301.4	283.8	275.0	271.2	268.7	270.0	268.7
20°	671.8	609.0	458.3	327.7	285.0	271.2	262.4	258.7	257.4	257.4	257.4
22.5°	704.4	629.1	433.2	303.9	271.2	258.7	249.9	246.1	243.6	244.9	244.9
25°	748.4	654.2	406.8	280.0	257.4	246.1	236.1	231.0	231.0	232.3	233.6
27.5°	804.9	684.3	380.5	264.9	244.9	233.6	222.2	217.2	218.5	221.0	221.0
30°	887.7	725.8	354.1	248.6	231.0	218.5	208.4	203.4	205.9	210.9	210.9
32.5°	1005.8	793.6	331.5	229.8	210.9	197.1	187.1	183.3	189.6	199.6	199.6
35°	1216.7	917.9	317.7	210.9	189.6	173.3	160.7	157.0	165.7	178.3	178.3
37.5°	1499.2	1117.5	322.7	194.6	172.0	153.2	139.4	134.4	140.6	151.9	155.7
40°	1814.4	1358.6	366.6	180.8	155.7	136.9	123.1	118.0	121.8	126.8	128.1
42.5°	2129.6	1614.8	449.5	170.8	143.1	123.1	110.5	106.7	109.2	110.5	111.8
45°	2443.5	1868.4	553.7	164.5	131.8	111.8	99.2	99.2	100.5	100.5	100.5
47.5°	2741.1	2115.8	663.0	163.2	121.8	100.5	90.4	91.7	91.7	92.9	92.9
50°	3022.3	2336.8	773.5	167.0	113.0	90.4	82.9	82.9	82.9	84.1	82.9
52.5°	3257.1	2530.1	889.0	173.3	104.2	82.9	75.3	75.3	75.3	76.6	75.3
55°	3479.4	2705.9	1007.0	182.1	96.7	76.6	69.1	66.5	66.5	67.8	66.5
57.5°	3660.2	2822.7	1118.8	183.3	90.4	70.3	64.0	60.3	60.3	60.3	60.3
60°	3667.7	2754.9	1151.4	160.7	82.9	64.0	57.8	52.7	54.0	54.0	54.0
62.5°	3427.9	2398.3	925.4	120.5	74.1	57.8	52.7	47.7	47.7	47.7	47.7
65°	2957.0	1865.9	542.4	95.4	64.0	51.5	46.5	42.7	42.7	42.7	41.4
66°	2736.1	1636.1	415.6	86.6	60.3	50.2	45.2	41.4	40.2	38.9	38.9
67.5°	2375.7	1293.3	259.9	76.6	55.2	46.5	41.4	37.7	36.4	35.2	35.2
70°	1789.3	821.2	126.8	59.0	47.7	40.2	36.4	32.6	31.4	30.1	28.9
72.5°	1255.6	480.9	66.5	45.2	38.9	35.2	31.4	27.6	26.4	25.1	25.1
75°	709.4	232.3	43.9	32.6	31.4	28.9	26.4	22.6	21.3	21.3	21.3
77.5°	268.7	80.4	30.1	23.9	25.1	22.6	18.8	18.8	17.6	18.8	17.6
80°	70.3	35.2	18.8	17.6	18.8	16.3	13.8	15.1	15.1	15.1	15.1
82.5°	37.7	20.1	11.3	12.6	11.3	11.3	8.8	10.0	11.3	10.0	11.3
85°	26.4	10.0	6.3	6.3	5.0	5.0	3.8	5.0	6.3	5.0	5.0
87.5°	13.8	3.8	3.8	3.8	3.8	2.5	1.3	0.0	1.3	1.3	1.3
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)