

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: P1210139

Luminaire Tested: **ARCH2-30-727-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210139
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: ARCH2-30-727-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

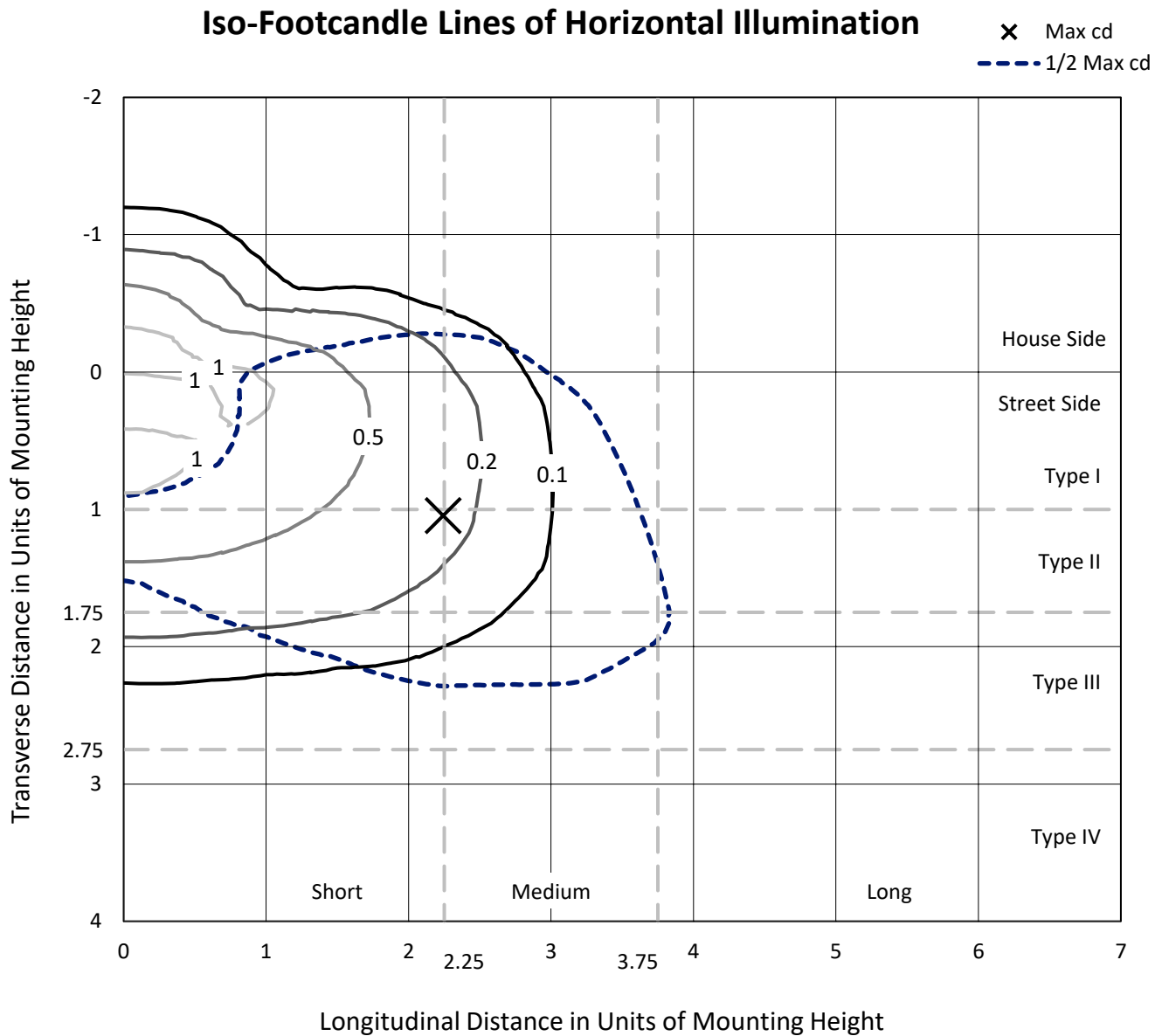
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4985 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - 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



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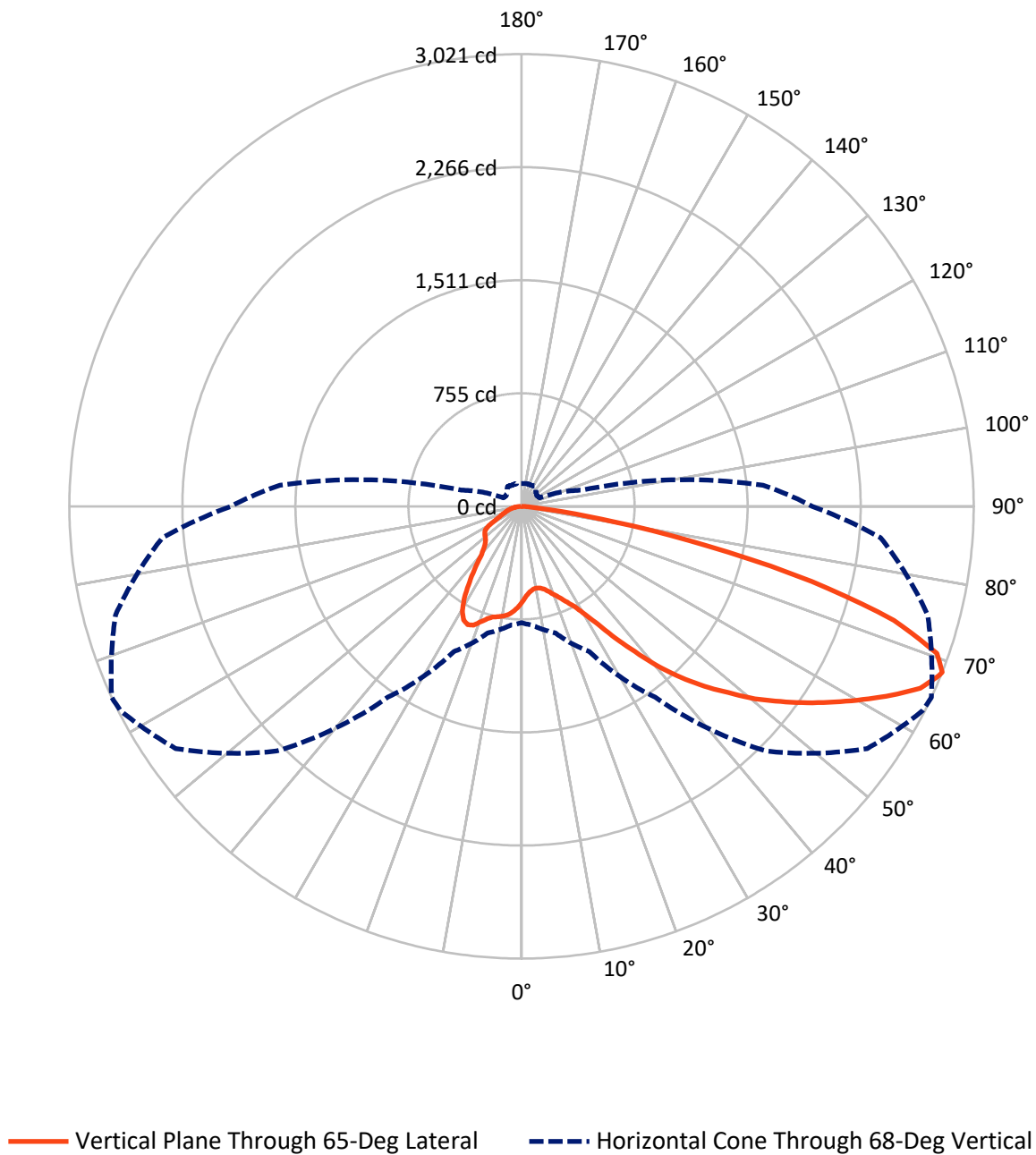


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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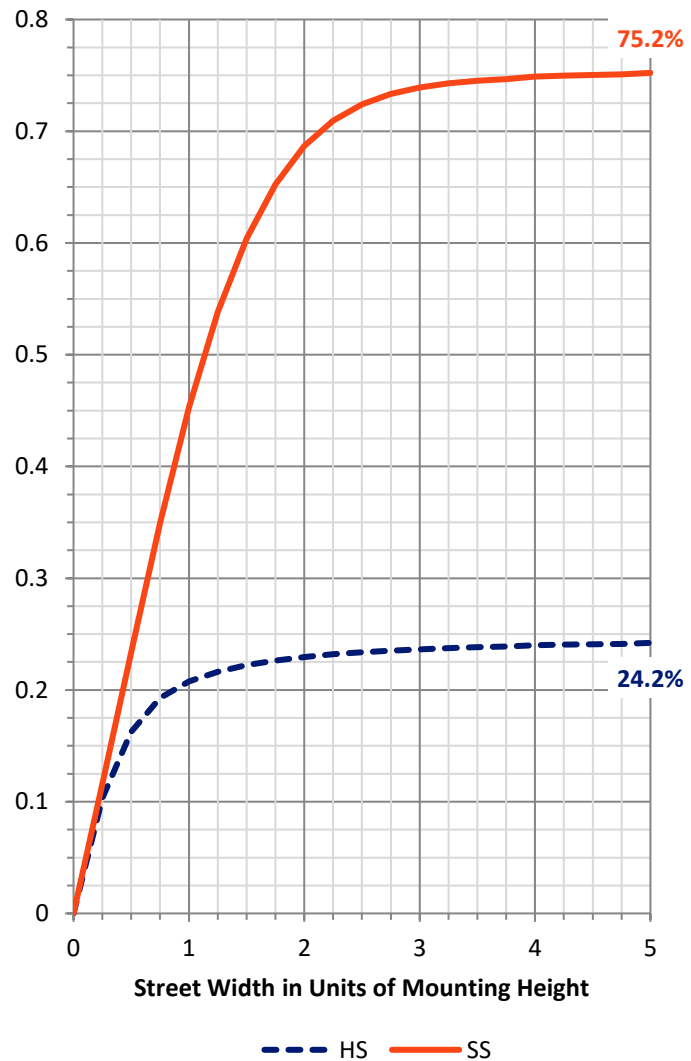
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1222.2	0.0	1222.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	3762.8	0.0	3762.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	4985.0	0.0	4985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	1.2
10°-20°	198.2	4.0
20°-30°	358.8	7.2
30°-40°	564.4	11.3
40°-50°	840.6	16.9
50°-60°	1102.7	22.1
60°-70°	1205.9	24.2
70°-80°	596.7	12.0
80°-90°	56.9	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°	4985.0	100.0
0°-180°	4985.0	100.0

Coefficient of Utilization



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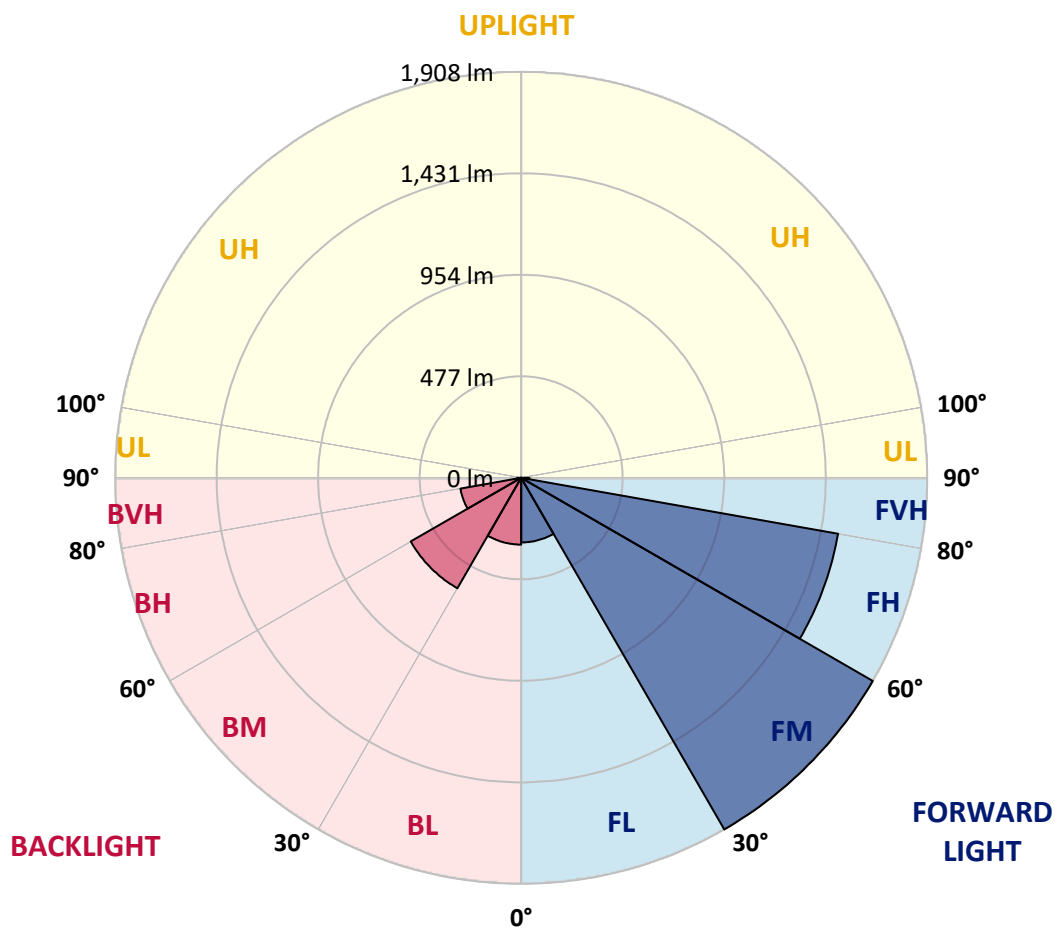
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.9	6.1			
FM	(30°-60°)	1908.2	38.3			
FH	(60°-80°)	1512.5	30.3			G1/1800
FVH	(80°-90°)	38.3	0.8			G1/100
BL	(0°-30°)	314.0	6.3	B1/500		
BM	(30°-60°)	599.5	12.0	B1/1000		
BH	(60°-80°)	290.1	5.8	B1/500		G1/500
BVH	(80°-90°)	18.6	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°	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0
2.5°	556.0	554.7	558.0	561.2	568.2	576.6	588.2	597.8	599.1	617.1	631.2
5°	523.2	521.3	524.5	528.4	531.6	541.9	554.1	568.2	574.0	600.4	630.6
7.5°	526.5	525.8	527.1	525.8	525.8	530.3	538.7	552.8	559.2	590.7	633.8
10°	545.1	546.4	547.0	543.2	539.3	537.4	540.0	549.6	554.1	591.4	648.0
12.5°	576.0	577.9	578.5	571.5	566.3	558.0	553.5	557.3	560.5	597.8	667.9
15°	617.7	619.0	614.5	610.0	597.2	586.9	576.0	572.7	574.0	611.3	690.4
17.5°	666.6	664.7	664.7	653.7	637.0	621.0	603.0	600.4	600.4	633.2	722.5
20°	719.9	721.9	716.1	701.3	684.6	659.5	641.5	630.0	631.2	658.2	761.7
22.5°	797.1	800.3	784.9	763.7	737.9	709.0	683.3	664.7	665.3	691.0	802.2
25°	880.0	881.3	871.6	843.4	808.7	767.5	733.4	709.7	709.0	727.7	854.3
27.5°	964.9	970.6	951.4	924.4	892.2	840.8	795.8	763.7	758.5	783.6	919.2
30°	1052.3	1059.3	1040.7	1014.4	974.5	930.8	877.4	840.1	836.9	870.4	1006.0
32.5°	1140.3	1142.3	1127.5	1105.6	1069.6	1028.5	985.4	944.3	941.1	995.7	1118.5
35°	1212.3	1218.1	1207.8	1202.7	1176.3	1138.4	1096.6	1072.8	1081.2	1151.3	1264.4
37.5°	1299.1	1304.9	1293.3	1292.0	1283.7	1250.9	1222.0	1223.9	1232.3	1327.4	1418.0
40°	1424.5	1430.9	1401.3	1388.5	1388.5	1356.3	1346.7	1392.3	1403.2	1501.0	1578.1
42.5°	1530.5	1540.8	1523.5	1515.1	1490.0	1467.5	1479.1	1543.4	1562.0	1666.8	1717.6
45°	1581.9	1589.7	1610.2	1634.7	1610.2	1571.0	1614.7	1687.4	1713.7	1819.8	1857.1
47.5°	1609.6	1616.7	1640.4	1706.0	1722.7	1689.9	1751.7	1842.3	1860.3	1971.5	1990.1
50°	1613.4	1635.9	1666.8	1732.4	1808.9	1813.4	1889.2	1999.8	2021.0	2120.6	2107.1
52.5°	1581.9	1590.9	1654.6	1765.1	1850.0	1927.1	2039.0	2150.8	2166.3	2260.8	2210.6
55°	1530.5	1543.4	1607.0	1757.4	1889.9	2035.1	2191.3	2299.3	2316.7	2397.0	2306.4
57.5°	1484.2	1490.7	1558.8	1734.9	1929.7	2143.1	2327.0	2454.2	2465.8	2516.6	2377.1
60°	1432.8	1439.9	1508.0	1686.7	1959.3	2224.8	2468.4	2610.4	2620.7	2642.6	2459.4
62.5°	1299.8	1318.4	1403.9	1607.0	1951.6	2318.0	2619.4	2764.7	2777.6	2753.8	2524.3
65°	1055.5	1081.8	1186.6	1426.4	1879.6	2378.4	2742.9	2906.8	2928.6	2837.4	2541.7
67.5°	819.6	838.2	922.4	1132.0	1626.9	2348.2	2822.6	3004.5	3010.9	2823.9	2445.2
68°	777.2	795.8	876.1	1070.3	1556.9	2312.2	2820.6	3007.1	3021.2	2809.1	2408.0
70°	594.6	615.8	692.3	847.9	1254.8	2083.3	2703.0	2945.3	2943.4	2630.4	2176.5
72.5°	371.5	383.8	436.5	534.8	829.9	1585.2	2294.2	2597.6	2602.7	2144.4	1669.4
75°	235.9	235.9	233.3	259.1	425.5	903.1	1705.4	1999.8	2003.6	1501.6	1052.3
77.5°	205.1	199.3	171.6	145.3	169.7	351.0	1009.2	1291.4	1270.2	808.7	499.5
80°	172.9	163.3	140.8	117.0	109.3	109.9	387.6	655.7	627.4	291.2	165.8
82.5°	124.7	116.3	106.1	91.9	84.2	65.6	81.0	189.6	185.1	84.2	54.0
85°	67.5	61.1	59.8	60.4	50.8	40.5	34.1	41.8	41.8	36.6	30.9
87.5°	23.8	17.4	20.6	23.1	19.9	16.7	13.5	16.1	16.7	16.1	14.8
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°	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0
2.5°	639.6	646.0	661.4	674.9	684.6	692.9	697.4	699.4	703.9	704.5	703.2
5°	644.7	661.4	684.6	704.5	715.4	719.9	721.2	721.9	719.9	721.2	719.9
7.5°	658.2	679.4	712.2	729.6	731.5	724.4	725.1	722.5	725.1	727.7	727.7
10°	678.8	705.8	736.7	743.1	734.7	730.9	738.6	754.0	759.2	766.2	766.2
12.5°	705.8	737.9	759.8	754.0	746.3	759.2	781.7	797.1	802.2	804.8	802.9
15°	736.7	771.4	782.3	763.0	777.2	804.8	812.5	803.5	790.7	784.9	788.1
17.5°	775.9	804.8	798.4	785.5	817.7	821.5	796.4	767.5	746.9	739.2	744.4
20°	817.0	842.1	812.5	818.3	838.2	797.1	749.5	712.2	694.2	691.0	696.2
22.5°	860.7	876.8	826.7	856.2	826.7	743.1	685.9	666.6	662.1	667.2	671.7
25°	910.2	908.3	851.1	867.8	783.6	676.9	642.8	641.5	641.5	644.7	651.2
27.5°	966.1	935.9	875.5	852.4	709.0	622.2	615.8	616.5	614.5	615.2	618.4
30°	1031.1	973.2	902.5	801.6	625.5	581.1	578.5	576.6	572.1	570.8	572.1
32.5°	1112.7	1012.4	930.1	718.0	552.2	538.7	537.4	527.1	516.2	514.9	519.4
35°	1216.2	1083.8	944.3	613.2	491.7	491.1	486.6	470.5	456.4	456.4	453.2
37.5°	1334.5	1175.7	950.1	511.0	441.6	444.8	432.0	411.4	400.5	394.0	396.0
40°	1455.3	1280.5	949.4	421.7	397.9	398.5	388.9	363.8	336.8	320.8	324.6
42.5°	1571.7	1375.6	932.7	374.1	362.5	360.6	352.9	318.8	296.3	283.5	284.1
45°	1664.9	1474.0	907.0	345.8	330.4	333.6	316.3	295.7	275.1	263.6	262.9
47.5°	1758.1	1548.5	865.9	328.5	306.6	300.8	293.8	279.6	264.2	251.3	252.0
50°	1842.9	1612.2	827.3	316.9	284.8	270.0	271.3	262.9	249.4	237.8	237.2
52.5°	1902.7	1653.9	806.1	310.5	258.4	242.3	246.8	242.3	229.5	221.1	220.5
55°	1962.5	1686.1	813.2	302.1	229.5	216.6	224.3	223.1	216.0	213.4	214.1
57.5°	2010.7	1710.5	838.2	286.7	201.8	194.1	207.0	203.1	198.0	198.6	198.6
60°	2057.6	1742.0	867.8	251.3	178.1	178.7	190.9	183.8	180.6	186.4	187.1
62.5°	2106.5	1776.1	843.4	199.9	157.5	162.0	176.1	170.3	171.6	180.0	182.6
65°	2100.7	1772.9	687.2	163.9	139.5	148.5	169.7	167.8	168.4	171.6	172.9
67.5°	1982.4	1659.7	472.5	139.5	126.6	137.6	164.6	156.8	157.5	155.6	156.2
68°	1942.6	1619.9	416.5	135.6	124.1	135.0	162.0	154.9	155.6	153.6	153.0
70°	1725.3	1387.2	263.6	119.6	115.1	127.9	149.1	146.6	145.9	144.6	144.6
72.5°	1315.2	1024.0	138.8	103.5	104.8	117.0	133.1	138.2	135.0	135.6	139.5
75°	871.0	615.8	96.4	88.7	91.9	100.3	118.3	128.6	125.3	127.3	125.3
77.5°	460.9	331.7	77.1	75.2	75.2	81.0	97.7	113.8	113.8	112.5	110.6
80°	151.1	117.0	61.7	59.1	60.4	63.6	78.4	93.2	95.1	92.6	91.3
82.5°	50.8	54.0	46.3	43.1	44.4	46.9	59.1	71.4	72.0	66.9	65.6
85°	31.5	36.0	28.9	28.3	28.3	28.9	36.0	39.2	36.0	32.1	33.4
87.5°	14.8	18.0	13.5	11.6	9.6	8.4	6.4	2.6	2.6	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)