

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: P799092

Luminaire Tested: **ARCH1-60-722-U-T2U-HSS**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-25)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-60-722-U-T2U-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

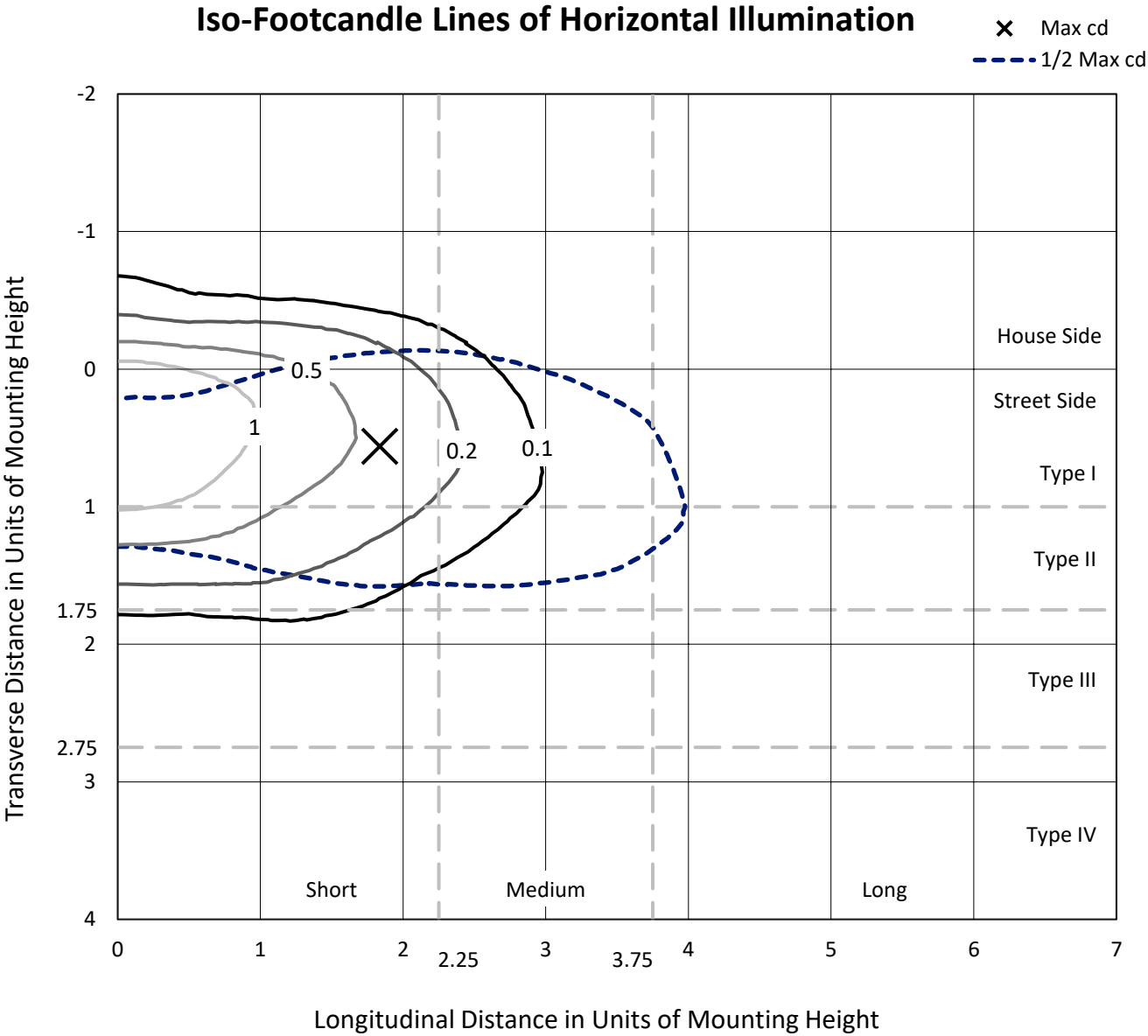
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4145 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 60
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

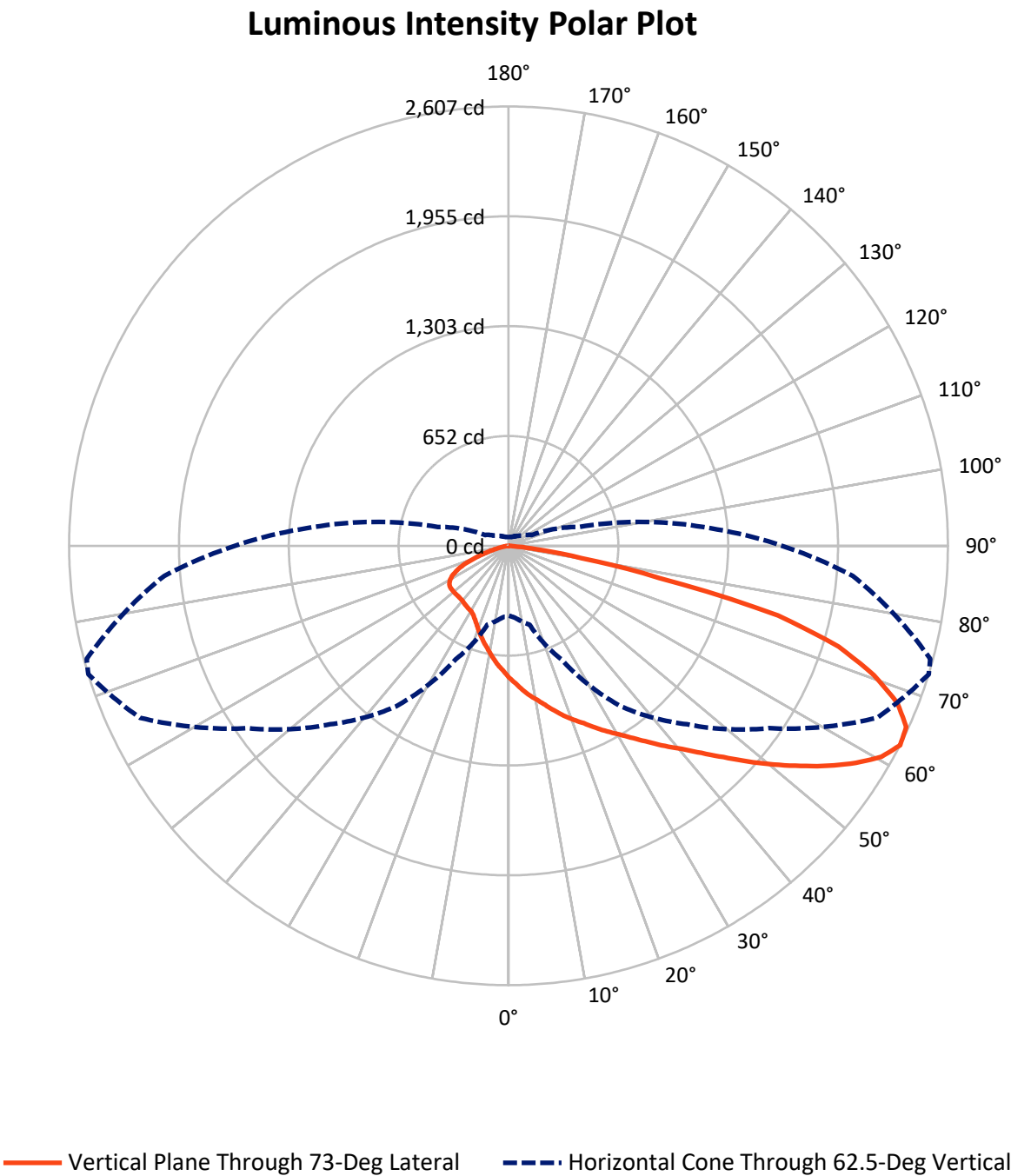


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Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type II - Short - N/A

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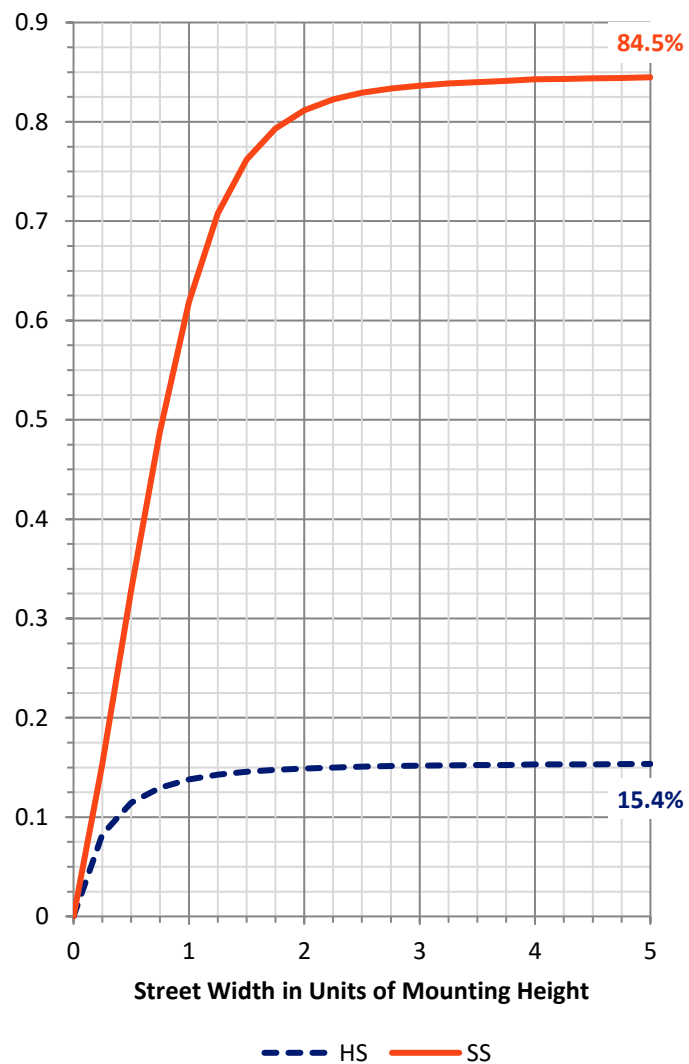
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	642.5	0.0	642.5
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	3502.5	0.0	3502.5
	% Fixture	84.5	0.0	84.5
Total	Lumens	4145.0	0.0	4145.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	1.8
10°-20°	228.8	5.5
20°-30°	380.8	9.2
30°-40°	574.6	13.9
40°-50°	803.2	19.4
50°-60°	887.2	21.4
60°-70°	772.8	18.6
70°-80°	390.4	9.4
80°-90°	31.3	0.8
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°	4145.0	100.0
0°-180°	4145.0	100.0

Coefficient of Utilization



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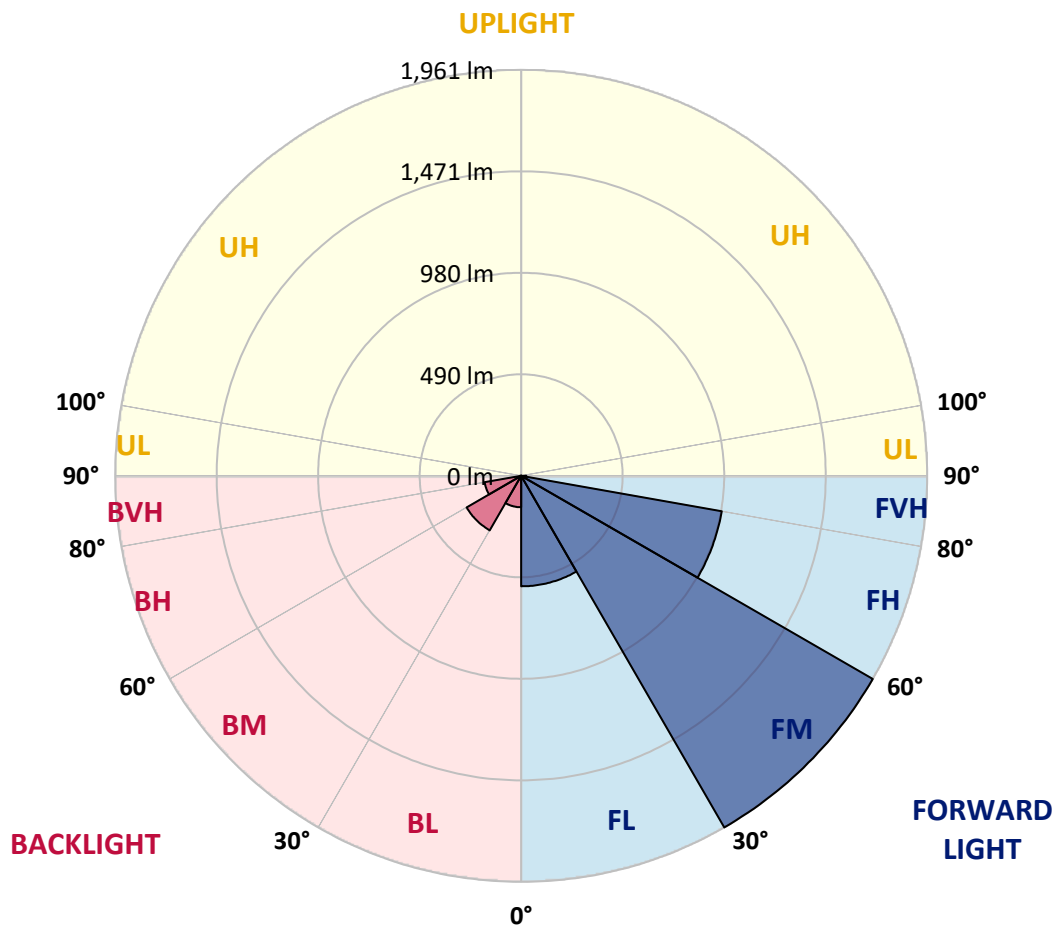
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.6	12.9			
FM	(30°-60°)	1960.7	47.3			
FH	(60°-80°)	983.9	23.7			G1/1800
FVH	(80°-90°)	24.2	0.6			G1/100
BL	(0°-30°)	151.9	3.7	B1/500		
BM	(30°-60°)	304.2	7.3	B1/1000		
BH	(60°-80°)	179.3	4.3	B1/500		G1/500
BVH	(80°-90°)	7.1	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9
2.5°	893.2	903.2	897.8	901.4	883.3	871.6	858.0	831.8	817.4	815.6	798.4
5°	1024.2	1035.0	1026.0	1023.3	991.7	964.6	933.9	887.8	857.1	851.7	813.8
7.5°	1155.2	1165.1	1154.3	1146.1	1103.7	1055.8	1010.7	942.9	895.1	886.0	826.4
10°	1247.3	1256.3	1248.2	1240.1	1195.8	1147.0	1082.9	994.4	929.4	914.9	834.5
12.5°	1316.8	1322.3	1318.6	1311.4	1269.9	1217.5	1156.1	1052.2	968.2	950.1	847.2
15°	1373.7	1382.8	1378.3	1372.8	1333.1	1280.7	1222.0	1112.7	1013.4	990.8	866.2
17.5°	1411.7	1418.0	1418.9	1418.9	1383.7	1332.2	1275.3	1167.8	1058.5	1029.6	884.2
20°	1428.8	1436.1	1440.6	1447.8	1418.9	1374.6	1316.8	1214.8	1101.0	1068.5	901.4
22.5°	1437.0	1443.3	1455.0	1471.3	1447.8	1410.8	1357.5	1258.1	1143.4	1109.1	921.2
25°	1443.3	1451.4	1468.6	1499.3	1483.0	1451.4	1405.4	1307.8	1194.0	1158.8	950.1
27.5°	1460.4	1470.4	1486.6	1523.7	1503.8	1488.4	1455.9	1361.1	1247.3	1211.2	985.4
30°	1520.1	1528.2	1527.3	1550.8	1526.4	1521.9	1499.3	1412.6	1298.8	1262.6	1026.9
32.5°	1628.4	1636.6	1616.7	1607.7	1554.4	1555.3	1546.2	1467.7	1360.2	1323.2	1074.8
35°	1744.9	1754.0	1727.8	1712.4	1623.0	1596.8	1601.3	1536.3	1428.8	1391.8	1134.4
37.5°	1848.8	1859.7	1837.1	1814.5	1724.2	1663.7	1662.8	1613.1	1507.4	1469.5	1200.3
40°	1905.7	1918.4	1931.9	1919.3	1824.4	1757.6	1728.7	1691.7	1585.1	1546.2	1271.7
42.5°	1932.8	1968.0	1992.4	1984.3	1906.6	1838.9	1804.6	1773.8	1679.9	1642.0	1356.6
45°	1856.9	1857.8	1909.3	1953.6	1939.1	1894.0	1887.6	1866.0	1788.3	1752.2	1452.3
47.5°	1762.1	1754.9	1791.0	1869.6	1910.2	1922.0	1959.0	1968.0	1912.0	1875.9	1549.9
50°	1534.5	1539.0	1656.4	1769.3	1848.8	1924.7	2009.6	2072.8	2039.4	2005.1	1652.8
52.5°	1248.2	1259.0	1393.6	1642.0	1767.5	1897.6	2039.4	2177.6	2169.4	2136.9	1755.8
55°	1000.7	1017.9	1160.6	1429.7	1663.7	1837.1	2052.0	2273.3	2304.0	2274.2	1856.9
57.5°	765.0	783.1	903.2	1179.6	1530.9	1738.6	2043.0	2357.3	2429.6	2410.6	1950.0
60°	576.2	594.3	671.1	956.5	1364.7	1628.4	1997.8	2412.4	2542.5	2522.6	2017.7
62.5°	412.8	427.2	484.1	744.2	1162.4	1497.5	1886.7	2413.3	2606.6	2590.3	2050.2
65°	297.1	297.1	343.2	531.1	972.7	1340.3	1718.8	2302.2	2593.0	2588.5	2027.6
67.5°	214.1	215.9	252.9	371.2	775.8	1149.7	1501.1	2104.4	2488.3	2510.8	1946.4
70°	151.7	156.3	173.4	259.2	586.2	907.7	1268.1	1845.2	2299.5	2339.2	1789.2
72.5°	117.4	120.1	131.9	180.6	428.1	674.7	1010.7	1556.2	2047.5	2092.7	1575.1
75°	90.3	93.0	102.1	132.8	307.1	473.3	718.0	1207.6	1651.0	1731.4	1265.4
77.5°	65.9	69.5	75.9	96.6	178.8	300.8	435.3	679.2	911.3	949.2	662.9
80°	30.7	35.2	44.3	62.3	96.6	141.8	154.4	261.9	438.0	457.9	359.5
82.5°	17.2	21.7	25.3	37.9	48.8	50.6	52.4	65.9	165.3	182.4	150.8
85°	8.1	10.8	11.7	16.3	16.3	14.5	17.2	12.6	27.1	32.5	31.6
87.5°	0.0	0.9	1.8	4.5	3.6	2.7	2.7	2.7	2.7	3.6	2.7
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°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9
2.5°	790.3	778.5	751.4	728.0	712.6	699.1	681.0	672.9	658.4	661.1	653.0
5°	794.8	773.1	725.3	681.0	648.5	619.6	588.0	569.9	550.0	548.2	541.9
7.5°	797.5	764.1	695.4	633.1	583.5	539.2	496.7	473.3	448.9	443.5	438.0
10°	794.8	750.5	664.7	583.5	517.5	462.4	414.6	384.8	359.5	353.1	347.7
12.5°	797.5	743.3	635.8	537.4	458.8	396.5	342.3	311.6	288.1	281.8	278.2
15°	803.8	738.8	611.5	495.8	406.4	336.9	283.6	257.4	238.4	232.1	230.3
17.5°	809.3	734.3	585.3	455.2	354.0	284.5	238.4	216.8	200.5	194.2	192.4
20°	816.5	728.0	559.1	416.4	308.0	243.0	202.3	183.3	170.7	166.2	165.3
22.5°	822.8	723.4	534.7	377.5	265.5	209.5	175.2	159.9	150.8	146.3	146.3
25°	839.1	725.3	513.9	341.4	233.9	183.3	154.4	142.7	135.5	132.8	132.8
27.5°	858.0	732.5	497.7	310.7	206.8	163.5	140.0	130.1	126.4	122.8	123.7
30°	885.1	746.9	486.8	285.4	187.0	148.1	128.3	121.0	117.4	116.5	116.5
32.5°	919.4	770.4	485.9	269.1	172.5	136.4	120.1	113.8	112.0	111.1	111.1
35°	960.1	791.2	480.5	261.9	163.5	128.3	113.8	109.3	108.4	108.4	108.4
37.5°	1008.9	825.5	476.9	252.0	159.0	123.7	109.3	105.7	105.7	105.7	105.7
40°	1059.4	853.5	471.5	243.0	157.2	121.0	106.6	102.1	102.1	102.1	102.1
42.5°	1119.9	894.1	469.7	238.4	154.4	119.2	103.0	97.5	98.4	98.4	99.3
45°	1193.1	940.2	468.8	233.9	153.5	117.4	99.3	93.0	93.9	93.0	93.0
47.5°	1267.2	993.5	471.5	231.2	152.6	115.6	96.6	88.5	88.5	87.6	87.6
50°	1344.8	1042.3	473.3	228.5	150.8	112.0	92.1	84.9	83.1	81.3	82.2
52.5°	1418.0	1087.4	474.2	224.0	145.4	106.6	88.5	80.4	77.7	75.0	75.9
55°	1491.2	1130.8	476.0	218.6	138.2	101.2	84.0	75.9	72.3	68.6	68.6
57.5°	1557.1	1168.7	471.5	205.0	130.1	95.7	79.5	70.4	65.0	61.4	61.4
60°	1602.2	1195.8	457.9	185.2	119.2	89.4	75.0	65.0	58.7	56.0	56.0
62.5°	1623.9	1200.3	433.5	152.6	105.7	83.1	69.5	59.6	54.2	52.4	52.4
65°	1603.1	1180.5	395.6	114.7	91.2	75.9	64.1	55.1	49.7	45.2	45.2
67.5°	1530.9	1124.5	343.2	86.7	77.7	68.6	58.7	50.6	44.3	40.6	40.6
70°	1385.5	1008.0	265.5	69.5	65.9	59.6	53.3	45.2	39.7	35.2	35.2
72.5°	1194.9	854.4	187.0	56.0	56.0	50.6	45.2	39.7	34.3	30.7	30.7
75°	916.7	632.2	125.5	45.2	46.1	42.4	37.0	32.5	28.9	26.2	26.2
77.5°	500.4	312.5	76.8	33.4	34.3	32.5	28.9	26.2	24.4	21.7	21.7
80°	243.0	137.3	44.3	23.5	24.4	23.5	21.7	19.0	19.0	17.2	17.2
82.5°	102.1	51.5	23.5	16.3	16.3	14.5	13.5	13.5	13.5	12.6	12.6
85°	25.3	9.9	9.9	9.0	9.0	9.0	8.1	8.1	8.1	6.3	7.2
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	2.7	0.9	0.0	0.0	0.0
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)