

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1462310

Luminaire Tested: PRV-P-50-8540-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462310
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-5WQ
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5806.5 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

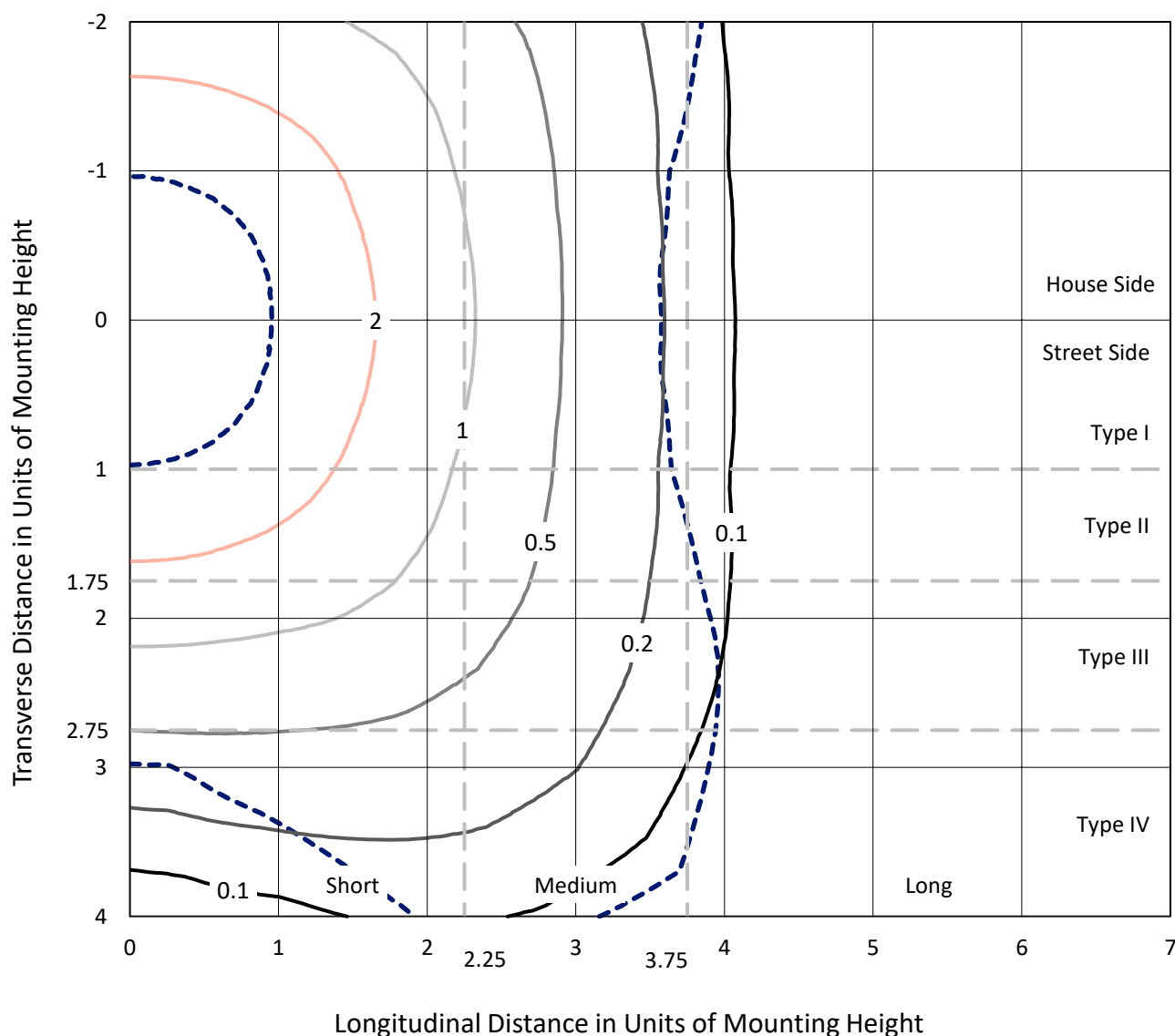
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



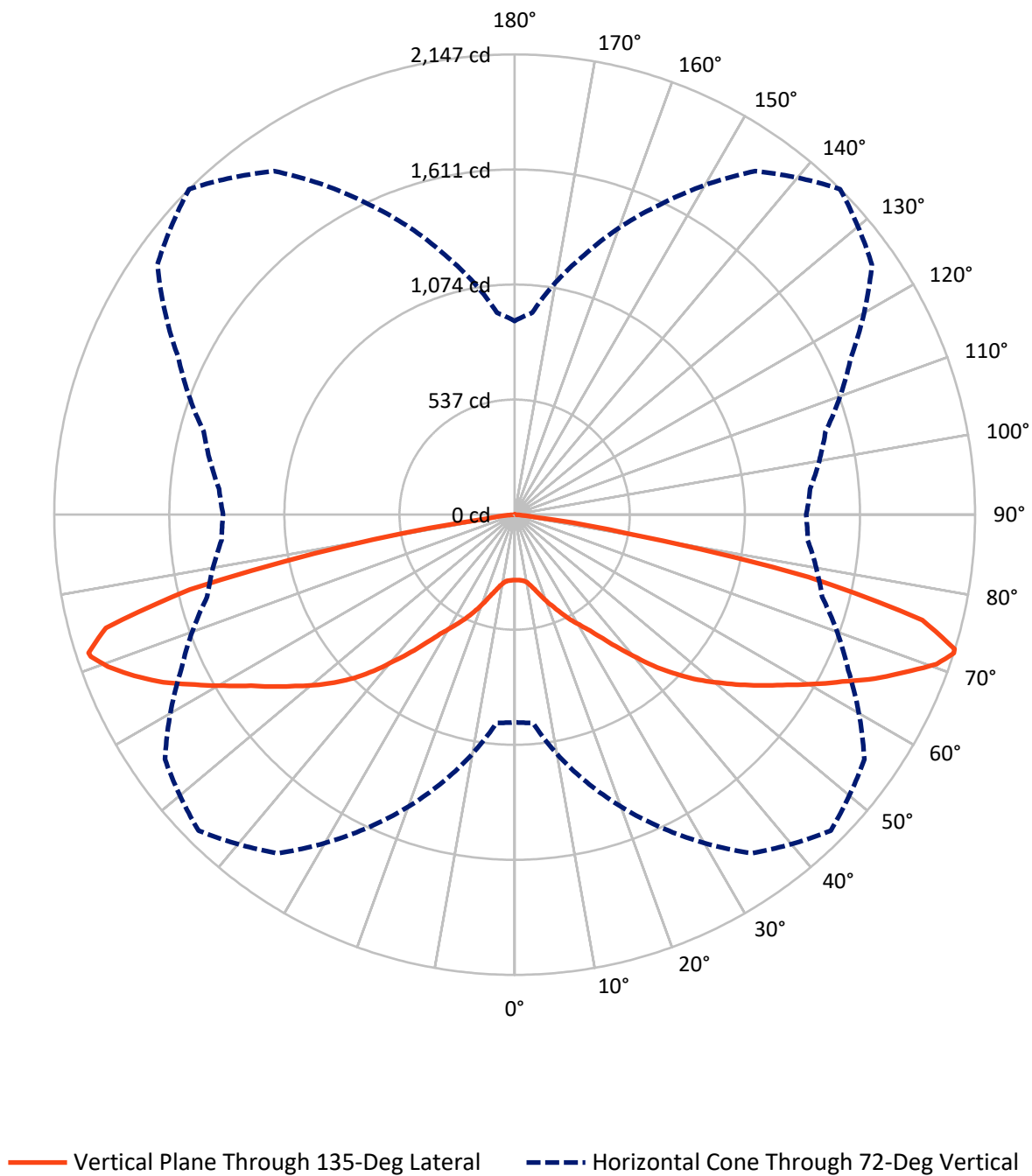
Based on 10 foot mounting height. Maximum calculated value = 4.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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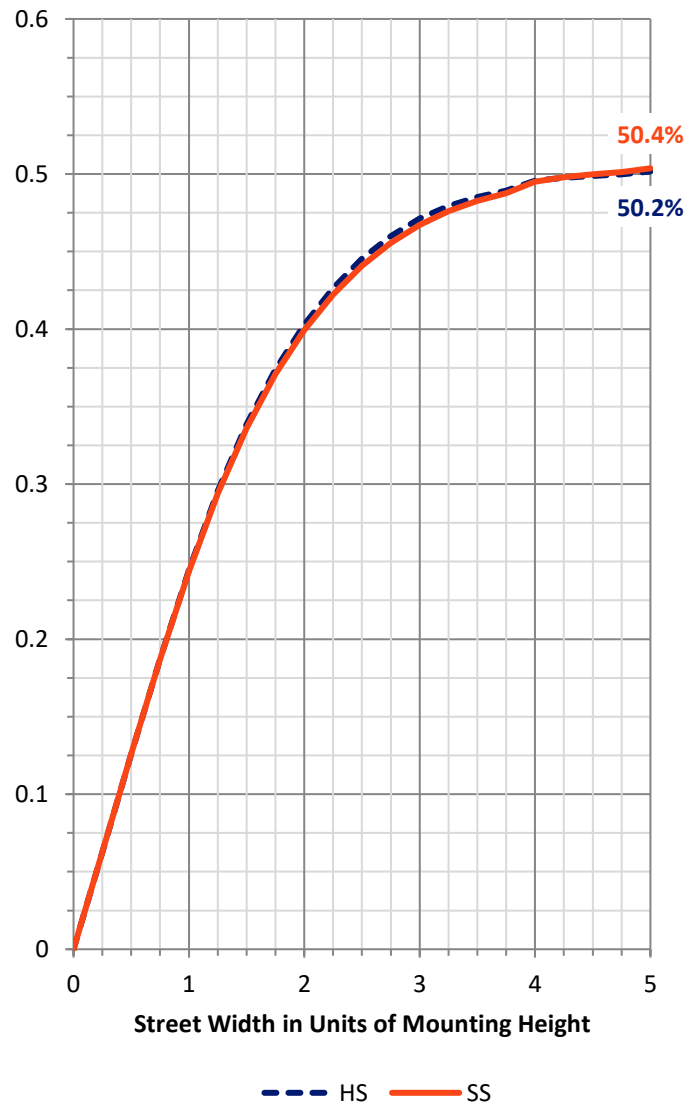
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2891.1	0.0	2891.1
	% Fixture	49.8	0.0	49.8
Street Side	Lumens	2915.4	0.0	2915.4
	% Fixture	50.2	0.0	50.2
Total	Lumens	5806.5	0.0	5806.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.5
10°-20°	106.4	1.8
20°-30°	234.9	4.0
30°-40°	460.0	7.9
40°-50°	834.9	14.4
50°-60°	1226.7	21.1
60°-70°	1618.1	27.9
70°-80°	1227.9	21.1
80°-90°	67.8	1.2
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°	5806.5	100.0
0°-180°	5806.5	100.0

Coefficient of Utilization



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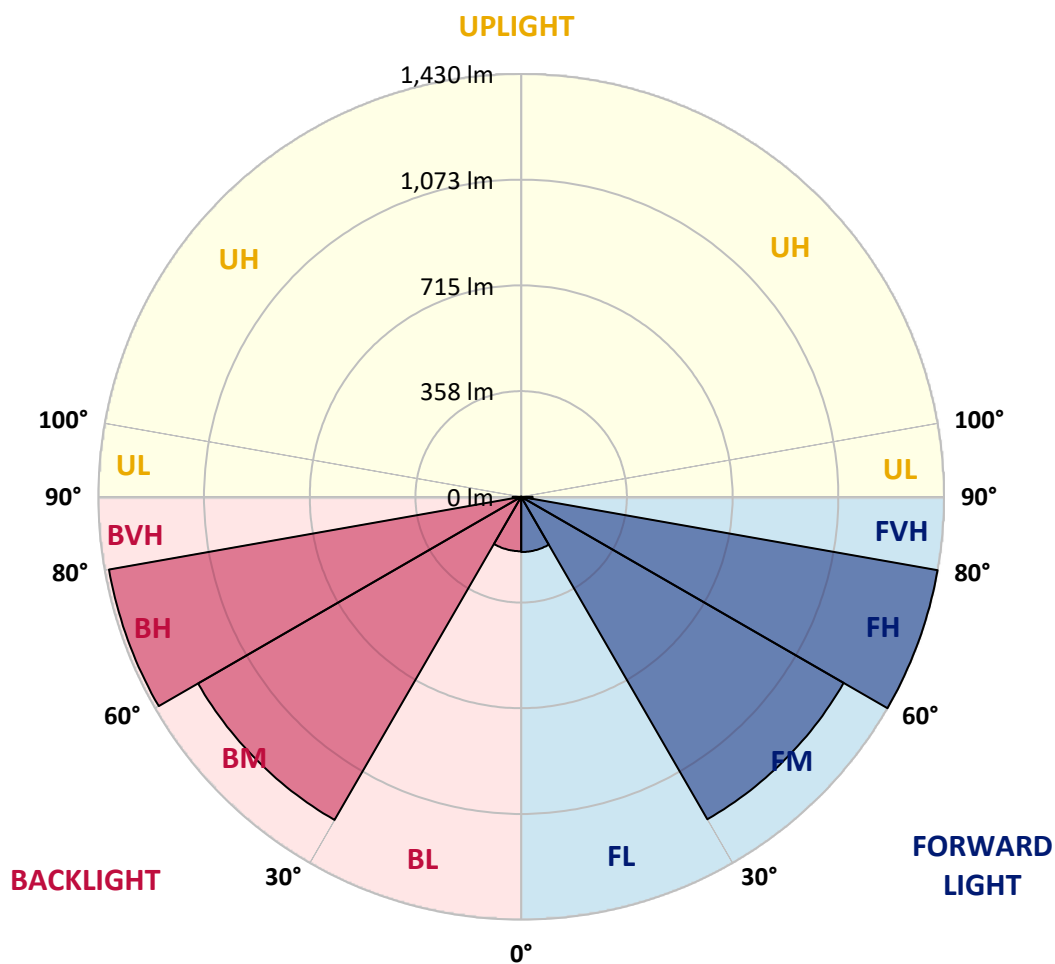
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.9	3.2			
FM	(30°-60°)	1259.5	21.7			
FH	(60°-80°)	1430.3	24.6			G1/1800
FVH	(80°-90°)	38.8	0.7			G1/100
BL	(0°-30°)	184.2	3.2	B1/500		
BM	(30°-60°)	1262.2	21.7	B2/2500		
BH	(60°-80°)	1415.7	24.4	B3/2500		G1/1800
BVH	(80°-90°)	29.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
2.5°	305.9	306.8	306.8	306.8	306.8	305.9	305.9	305.9	305.0	305.0	305.9
5°	308.5	308.5	309.4	309.4	308.5	308.5	307.7	306.8	305.9	305.0	305.9
7.5°	314.7	312.9	313.8	313.8	312.9	312.1	311.2	309.4	309.4	309.4	309.4
10°	326.1	326.1	326.1	325.2	325.2	323.5	321.7	320.0	321.7	321.7	322.6
12.5°	347.2	347.2	347.2	346.3	343.7	342.8	341.1	338.4	339.3	340.2	339.3
15°	374.5	374.5	374.5	371.8	372.7	369.2	365.7	363.0	363.9	363.9	363.0
17.5°	407.9	407.0	406.1	403.5	403.5	400.0	395.6	391.2	389.4	388.5	388.5
20°	438.6	436.9	439.5	439.5	442.1	439.5	431.6	422.8	418.4	415.8	415.8
22.5°	465.0	468.5	469.4	474.7	480.8	480.8	468.5	458.0	448.3	443.0	442.1
25°	503.7	505.4	507.2	509.8	521.3	522.1	507.2	494.0	486.1	486.1	486.1
27.5°	542.4	542.4	546.7	552.0	562.6	564.3	550.3	535.3	532.7	530.9	530.0
30°	582.8	582.8	591.6	600.4	605.6	607.4	596.0	584.5	581.9	579.3	580.1
32.5°	633.8	638.2	649.6	658.4	659.3	656.6	656.6	647.0	639.0	644.3	642.6
35°	712.0	713.8	719.0	724.3	726.9	724.3	721.7	718.2	716.4	719.0	716.4
37.5°	801.7	803.4	806.9	801.7	802.5	803.4	807.8	811.3	812.2	812.2	811.3
40°	887.8	893.1	893.1	889.6	888.7	885.2	893.1	902.7	912.4	914.2	911.5
42.5°	988.9	986.3	990.6	983.6	976.6	980.1	985.4	996.8	1006.5	1013.5	1014.4
45°	1082.9	1084.7	1085.6	1069.8	1064.5	1068.9	1071.5	1081.2	1097.0	1107.6	1102.3
47.5°	1161.2	1162.1	1162.9	1154.1	1150.6	1148.9	1151.5	1155.0	1168.2	1175.2	1177.9
50°	1218.3	1221.8	1227.1	1223.6	1222.7	1224.5	1225.3	1228.9	1237.7	1242.0	1242.9
52.5°	1274.6	1278.1	1288.6	1284.2	1293.9	1299.2	1299.2	1294.8	1299.2	1301.8	1300.9
55°	1323.8	1327.3	1347.5	1351.9	1368.6	1380.1	1376.5	1358.1	1363.4	1357.2	1359.0
57.5°	1370.4	1375.7	1399.4	1415.2	1454.8	1466.2	1457.4	1429.3	1417.9	1416.1	1414.3
60°	1388.8	1395.0	1431.0	1489.1	1546.2	1573.4	1547.9	1494.3	1470.6	1464.4	1466.2
62.5°	1392.4	1400.3	1447.7	1535.6	1647.3	1688.6	1653.4	1570.8	1529.5	1519.8	1516.3
65°	1391.5	1397.6	1454.8	1578.7	1741.3	1816.0	1775.6	1660.5	1596.3	1583.1	1587.5
67.5°	1393.2	1402.0	1469.7	1610.4	1826.6	1925.9	1871.4	1742.2	1657.8	1630.6	1632.3
70°	1257.0	1302.7	1470.6	1649.9	1894.3	2025.3	1959.3	1780.0	1626.2	1545.3	1547.9
72°	968.7	974.8	1290.4	1609.5	1928.6	2085.0	1991.0	1716.7	1484.7	1372.1	1359.8
72.5°	864.1	905.4	1238.5	1591.0	1928.6	2089.4	1977.8	1682.4	1431.9	1331.7	1320.3
75°	530.9	574.9	857.0	1303.6	1796.7	1978.7	1743.1	1378.3	1072.4	960.8	962.5
77.5°	218.0	237.3	471.2	999.4	1398.5	1555.0	1275.5	912.4	603.9	502.8	490.5
80°	50.1	53.6	79.1	332.3	709.4	801.7	536.2	304.1	203.1	138.9	131.0
82.5°	26.4	28.1	36.0	65.0	97.6	134.5	118.7	86.1	94.1	79.1	76.5
85°	8.8	8.8	11.4	17.6	23.7	29.9	34.3	42.2	40.4	30.8	29.0
87.5°	0.9	0.9	1.8	2.6	2.6	2.6	2.6	1.8	1.8	1.8	0.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
2.5°	305.9	305.0	305.0	305.9	305.9	305.9	305.9	305.9	305.9	305.9
5°	305.9	305.9	305.0	305.9	307.7	307.7	307.7	307.7	306.8	306.8
7.5°	309.4	308.5	308.5	310.3	312.1	312.1	312.1	312.1	312.1	311.2
10°	321.7	320.8	320.0	322.6	321.7	323.5	323.5	323.5	322.6	323.5
12.5°	339.3	338.4	338.4	339.3	341.1	340.2	341.9	342.8	343.7	343.7
15°	363.0	360.4	360.4	363.0	366.5	367.4	365.7	368.3	368.3	368.3
17.5°	389.4	389.4	388.5	391.2	398.2	397.3	394.7	396.4	397.3	399.1
20°	415.8	417.5	420.2	428.1	434.2	430.7	429.0	429.0	425.4	426.3
22.5°	444.8	448.3	453.6	463.2	469.4	468.5	462.4	456.2	452.7	451.8
25°	485.2	484.3	488.7	501.0	510.7	507.2	498.4	491.4	488.7	487.9
27.5°	530.0	530.0	531.8	543.2	555.5	547.6	538.8	532.7	526.5	526.5
30°	580.1	575.8	582.8	590.7	596.0	590.7	585.4	574.0	567.0	564.3
32.5°	640.8	640.8	637.3	641.7	645.2	647.0	640.8	630.3	624.1	621.5
35°	718.2	715.5	711.1	711.1	709.4	713.8	712.9	711.1	704.1	704.1
37.5°	813.1	808.7	799.9	795.5	790.2	790.2	799.0	804.3	801.7	799.9
40°	907.1	908.0	893.1	881.7	878.1	880.8	890.4	904.5	899.2	892.2
42.5°	1014.4	1003.0	983.6	972.2	974.8	975.7	986.3	1001.2	1000.3	990.6
45°	1103.2	1088.2	1074.2	1064.5	1062.7	1072.4	1082.1	1094.4	1095.3	1095.3
47.5°	1170.8	1166.5	1149.8	1149.8	1151.5	1155.0	1164.7	1168.2	1163.8	1159.4
50°	1239.4	1232.4	1223.6	1228.9	1232.4	1236.8	1234.1	1231.5	1221.0	1214.8
52.5°	1299.2	1295.7	1293.9	1311.5	1318.5	1308.9	1300.1	1289.5	1277.2	1273.7
55°	1355.4	1359.8	1366.0	1397.6	1405.5	1391.5	1367.7	1354.6	1341.4	1337.0
57.5°	1411.7	1418.7	1438.1	1488.2	1498.7	1472.4	1437.2	1410.8	1391.5	1390.6
60°	1459.2	1472.4	1508.4	1583.1	1605.1	1564.6	1504.9	1454.8	1428.4	1425.8
62.5°	1518.9	1533.9	1588.4	1684.2	1715.8	1670.1	1567.3	1488.2	1447.7	1444.2
65°	1584.0	1606.8	1678.0	1803.7	1844.2	1768.6	1618.3	1519.8	1470.6	1468.8
67.5°	1636.7	1673.6	1768.6	1914.5	1962.0	1876.7	1674.5	1559.4	1497.8	1489.1
70°	1553.2	1636.7	1810.8	2016.5	2088.5	1949.7	1689.5	1478.5	1285.1	1250.0
72°	1383.6	1501.4	1729.9	2034.0	2147.4	1956.7	1593.7	1253.5	945.8	903.6
72.5°	1316.8	1450.4	1695.6	2015.6	2145.7	1941.7	1548.8	1178.8	856.2	832.4
75°	959.9	1063.6	1388.0	1762.4	1964.6	1722.9	1191.1	697.9	408.7	371.8
77.5°	486.1	592.5	864.1	1203.4	1401.1	1125.1	672.4	274.3	86.1	69.4
80°	136.2	181.1	268.1	457.1	530.0	431.6	225.0	45.7	17.6	11.4
82.5°	80.9	96.7	82.6	73.8	102.8	74.7	39.6	18.5	3.5	0.9
85°	31.6	47.5	43.1	26.4	19.3	12.3	7.0	3.5	0.9	0.0
87.5°	1.8	1.8	2.6	2.6	1.8	1.8	1.8	0.9	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

(END OF REPORT)