

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: P177341

Luminaire Tested: **VAL-F03-LED-E-U-WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177341
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33699)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VAL-F03-LED-E-U-WQ-8030
Description: VALET TUNNEL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6463.1 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 78.3
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: 28.75 FT



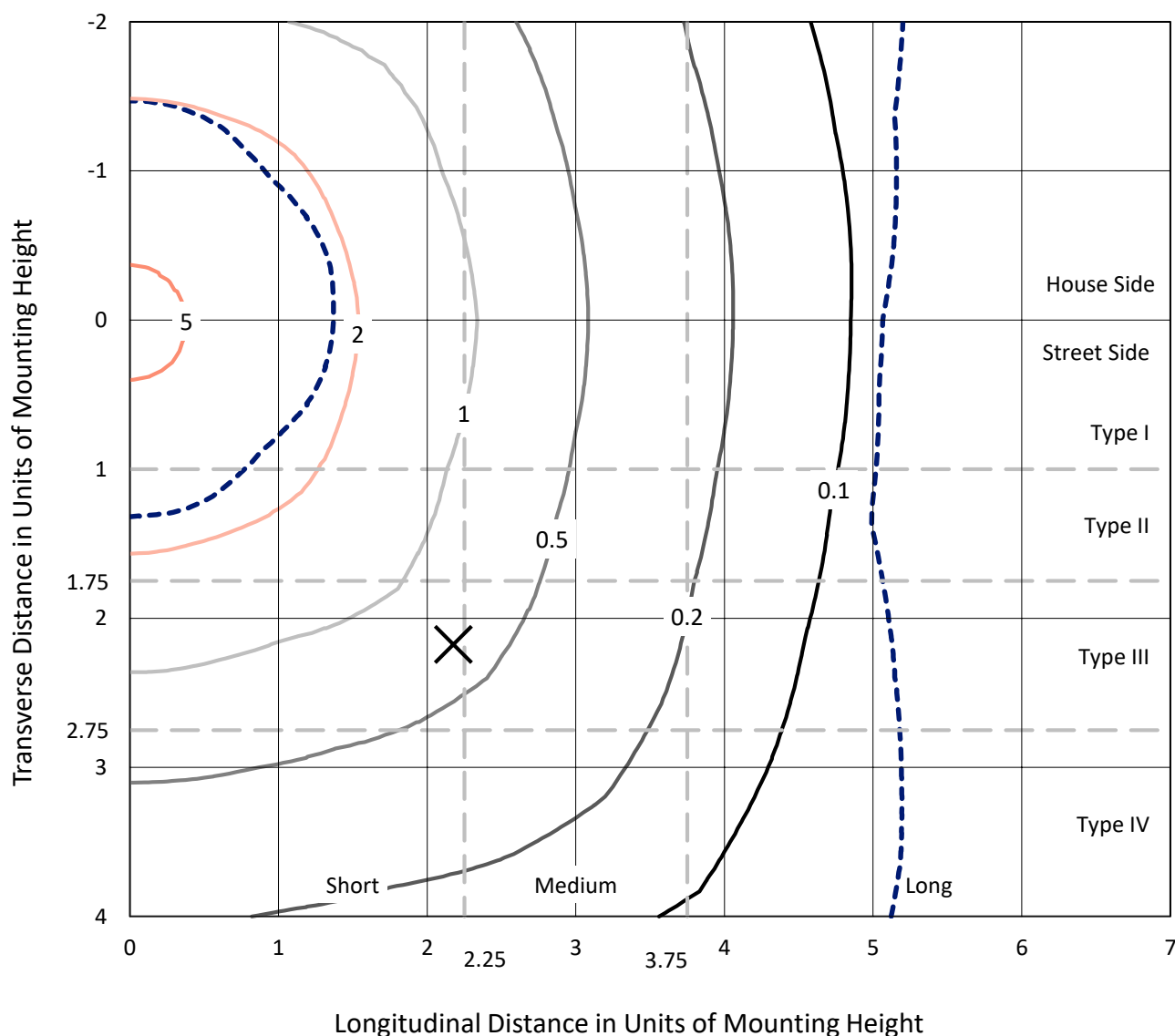
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

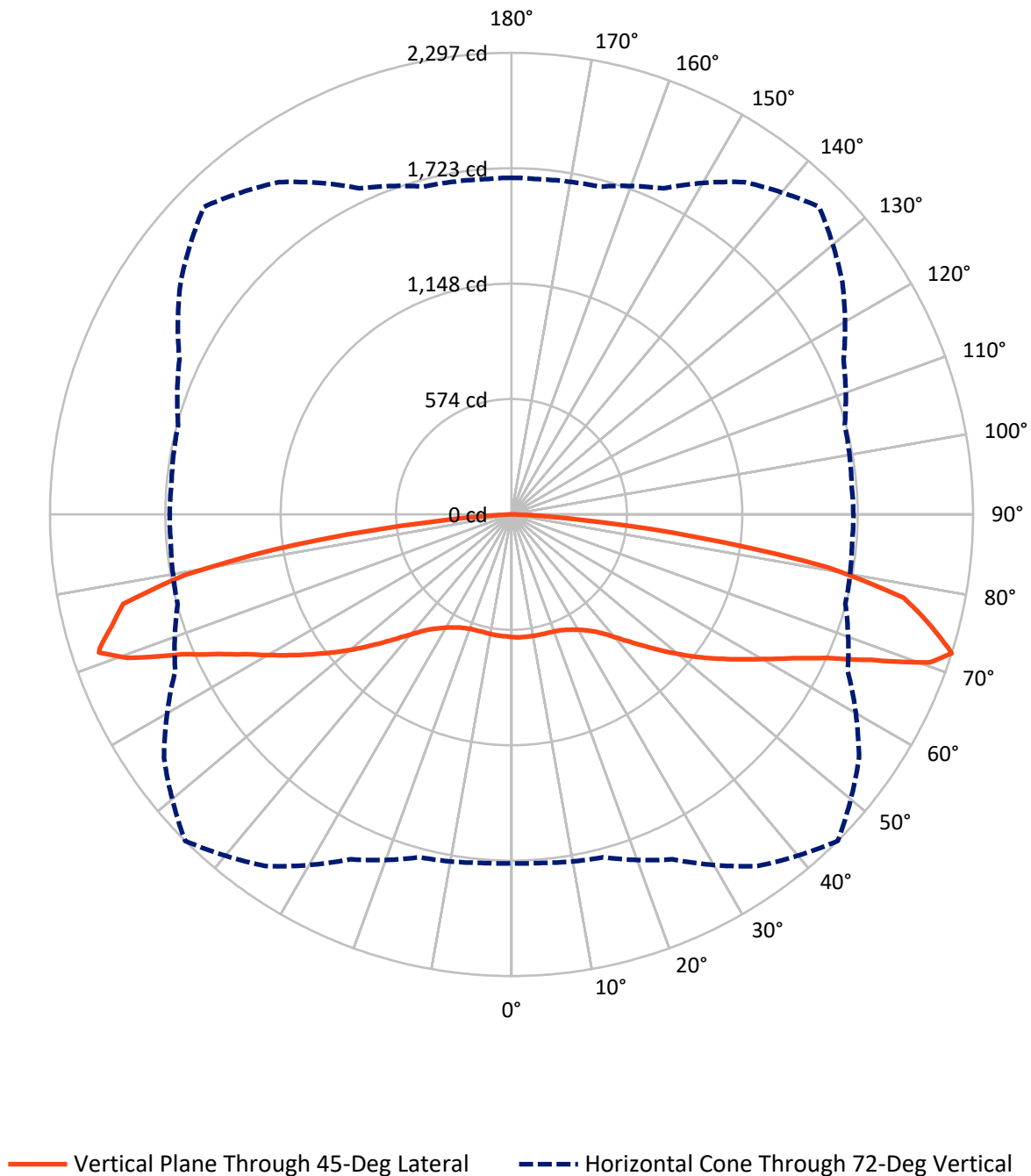


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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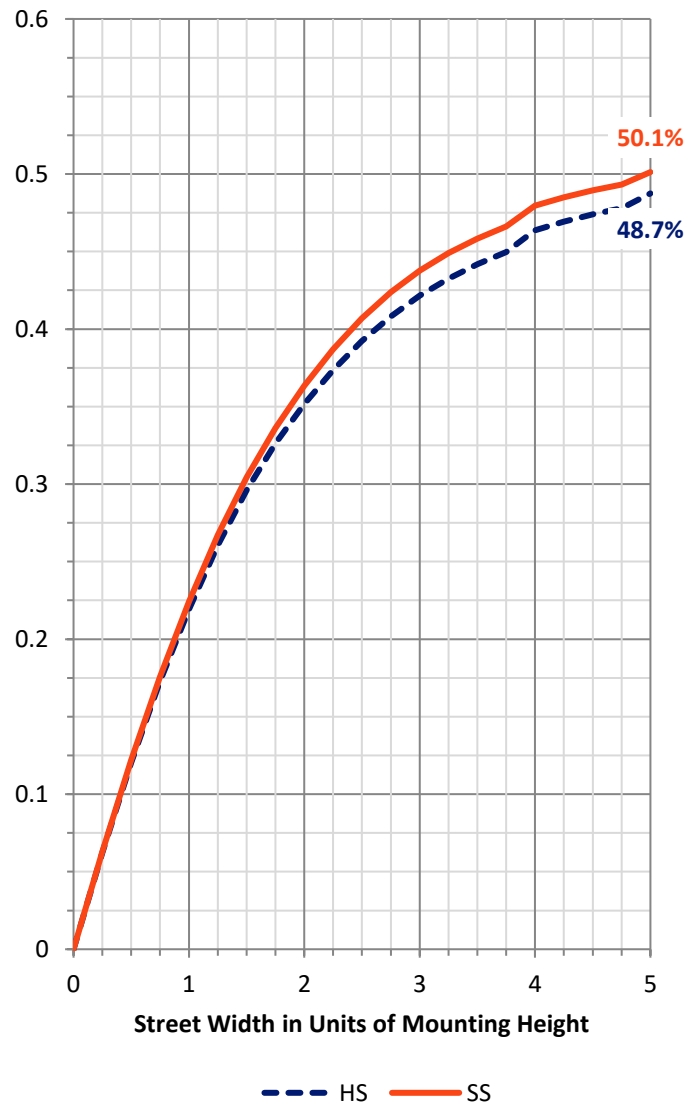
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3187.3	0.0	3187.3
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	3275.9	0.0	3275.9
	% Fixture	50.7	0.0	50.7
Total	Lumens	6463.1	0.0	6463.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	0.9
10°-20°	173.0	2.7
20°-30°	290.7	4.5
30°-40°	442.4	6.8
40°-50°	699.4	10.8
50°-60°	1068.2	16.5
60°-70°	1564.9	24.2
70°-80°	1777.9	27.5
80°-90°	388.3	6.0
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°	6463.1	100.0
0°-180°	6463.1	100.0

Coefficient of Utilization



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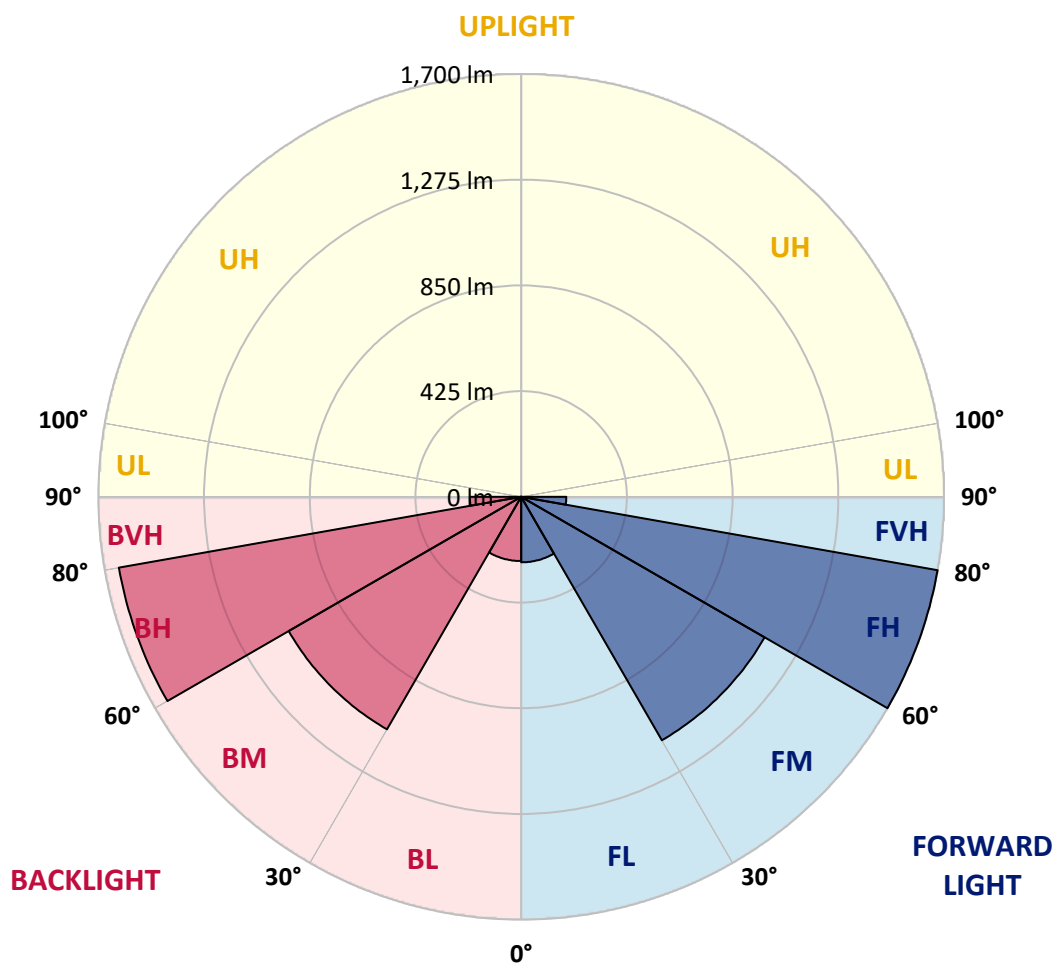
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.6	4.1			
FM	(30°-60°)	1130.4	17.5			
FH	(60°-80°)	1700.3	26.3			G1/1800
FVH	(80°-90°)	181.6	2.8			G2/225
BL	(0°-30°)	258.4	4.0	B1/500		
BM	(30°-60°)	1079.6	16.7	B2/2500		
BH	(60°-80°)	1642.6	25.4	B3/2500		G1/1800
BVH	(80°-90°)	206.7	3.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3
2.5°	615.4	615.4	613.7	612.8	612.8	612.4	612.0	612.0	611.6	612.0	610.8
5°	616.2	616.2	614.5	613.7	613.3	612.8	612.8	612.0	611.6	612.0	610.8
7.5°	616.2	616.6	615.8	614.9	613.7	613.3	612.8	611.6	611.6	610.8	610.3
10°	617.9	619.1	617.4	616.2	614.5	613.7	612.4	611.6	611.2	610.3	610.3
12.5°	619.1	620.4	618.7	617.4	615.8	614.5	612.8	611.6	610.8	609.5	609.9
15°	620.8	622.0	620.4	618.7	617.0	615.4	613.7	612.0	610.8	609.9	609.9
17.5°	621.6	622.9	621.2	619.5	618.3	617.4	615.4	612.8	611.2	610.3	610.3
20°	622.9	624.1	622.9	622.0	620.8	620.4	618.3	615.4	613.3	612.0	611.6
22.5°	625.8	626.6	626.2	626.2	626.2	625.8	624.1	619.5	617.0	614.9	614.5
25°	632.9	632.5	633.3	634.2	634.6	635.4	632.9	627.9	624.6	621.2	620.8
27.5°	644.6	645.0	645.5	647.1	648.8	649.2	646.7	641.3	636.3	631.7	631.2
30°	658.0	658.0	659.7	663.0	664.7	665.9	663.4	656.7	650.5	645.9	645.0
32.5°	677.2	678.9	679.7	683.5	686.8	688.1	684.3	677.2	670.1	664.3	663.0
35°	704.8	707.3	708.2	711.5	715.3	715.7	712.3	704.4	696.9	688.9	689.4
37.5°	743.7	744.1	746.2	747.0	754.1	754.1	748.7	741.6	734.1	727.0	724.9
40°	795.5	796.0	796.8	795.5	803.9	806.4	799.3	788.4	781.3	772.1	770.9
42.5°	852.0	856.1	855.7	853.6	862.0	867.4	858.7	846.1	838.6	829.0	827.3
45°	921.8	920.9	917.2	921.8	931.4	937.2	926.4	910.5	902.6	890.4	890.0
47.5°	989.5	988.7	982.8	986.2	1004.1	1013.8	997.9	979.9	969.4	962.3	956.9
50°	1053.9	1059.7	1052.2	1059.3	1082.7	1095.7	1081.1	1052.6	1040.1	1029.2	1026.3
52.5°	1129.5	1132.9	1126.2	1137.5	1163.4	1182.2	1162.2	1125.4	1112.8	1100.7	1096.9
55°	1206.9	1205.2	1201.9	1214.4	1246.2	1268.3	1246.6	1202.3	1183.9	1174.7	1174.7
57.5°	1283.0	1283.8	1275.9	1290.9	1331.0	1360.3	1333.1	1278.8	1256.2	1245.8	1249.1
60°	1364.5	1364.5	1352.4	1366.2	1422.2	1459.4	1418.4	1356.1	1331.5	1325.2	1325.6
62.5°	1456.0	1452.7	1439.3	1456.5	1524.6	1573.9	1522.5	1444.8	1412.6	1412.6	1415.5
65°	1561.8	1556.4	1551.8	1571.4	1659.6	1719.8	1652.1	1553.9	1525.4	1522.1	1527.5
67.5°	1714.0	1719.8	1708.1	1734.0	1854.4	1933.0	1830.2	1703.5	1673.4	1670.5	1683.9
70°	1851.1	1845.2	1860.3	1933.4	2097.3	2206.8	2063.9	1869.1	1782.9	1765.4	1770.8
72°	1735.7	1740.3	1765.8	1892.9	2135.8	2296.7	2111.1	1846.1	1719.8	1701.4	1701.0
72.5°	1709.0	1712.3	1734.0	1856.1	2108.2	2272.9	2087.3	1816.8	1697.7	1681.8	1680.9
75°	1568.5	1575.2	1609.5	1728.2	1984.0	2139.1	1964.8	1711.9	1581.0	1550.9	1557.2
77.5°	1336.1	1349.9	1384.6	1521.3	1821.4	1994.9	1808.4	1517.5	1370.8	1348.6	1341.5
80°	980.3	961.9	1024.6	1145.9	1359.5	1598.2	1379.1	1143.3	991.2	950.6	960.7
82.5°	333.6	341.5	440.6	588.2	746.2	933.1	792.2	572.7	421.8	370.8	348.2
85°	40.6	43.9	68.6	125.0	234.9	339.4	240.0	127.1	79.0	48.5	42.6
87.5°	19.6	20.9	29.3	31.4	38.9	33.0	39.3	25.1	23.8	14.6	12.1
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°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3
2.5°	610.3	609.5	609.1	608.3	607.4	607.4	607.4	607.4	607.4	607.8
5°	610.3	609.5	609.1	607.8	607.0	607.0	606.6	607.0	606.6	607.0
7.5°	610.3	609.1	607.8	606.6	605.7	606.2	605.3	604.9	605.3	605.3
10°	609.9	607.8	606.2	604.9	604.5	604.1	604.1	603.7	604.5	604.1
12.5°	609.5	607.0	604.9	603.2	602.8	602.8	602.8	602.8	604.1	603.7
15°	609.1	606.6	604.5	602.4	602.0	602.8	602.8	603.7	604.5	604.5
17.5°	609.5	606.6	604.1	602.4	602.4	603.2	603.7	604.9	606.2	605.3
20°	611.2	607.8	605.7	604.1	604.9	605.7	605.7	606.6	607.8	607.0
22.5°	613.7	611.2	609.5	609.1	610.3	610.8	610.3	609.9	610.3	609.5
25°	619.5	617.0	615.8	617.4	618.7	618.3	616.6	614.9	614.1	613.7
27.5°	630.4	628.3	627.9	630.0	631.2	629.2	626.2	623.7	622.9	621.6
30°	643.8	642.5	643.8	645.9	646.3	642.9	638.8	635.0	633.8	633.8
32.5°	661.3	660.1	663.0	666.4	667.2	662.6	655.9	650.9	647.5	647.1
35°	686.8	686.0	686.8	691.0	690.6	686.0	678.5	672.6	669.3	669.3
37.5°	722.4	721.5	719.4	723.6	723.2	716.9	709.0	704.0	700.2	700.6
40°	768.8	767.5	765.0	765.9	769.2	760.8	750.8	744.1	743.7	743.7
42.5°	824.4	818.5	819.4	824.4	821.9	811.8	802.6	796.8	796.8	796.4
45°	885.0	882.9	882.1	883.7	885.8	877.9	862.4	855.7	855.3	855.3
47.5°	955.2	944.8	946.9	951.0	956.1	946.0	926.4	918.4	917.2	917.6
50°	1023.8	1012.9	1015.0	1023.8	1033.4	1017.5	993.3	983.7	982.0	982.8
52.5°	1094.9	1085.7	1085.7	1100.3	1112.8	1093.2	1062.7	1051.0	1051.0	1050.5
55°	1170.1	1157.6	1162.6	1181.4	1196.4	1172.6	1135.0	1125.8	1118.7	1121.6
57.5°	1244.9	1232.4	1236.6	1265.4	1284.2	1255.8	1208.6	1189.3	1185.1	1184.3
60°	1321.4	1307.2	1312.2	1357.4	1379.5	1341.9	1272.5	1249.1	1245.3	1244.9
62.5°	1406.3	1396.3	1403.8	1456.0	1481.5	1428.0	1340.7	1313.9	1315.2	1312.2
65°	1512.1	1504.1	1517.1	1581.0	1612.4	1533.8	1428.9	1397.9	1401.7	1401.3
67.5°	1663.4	1653.8	1661.7	1751.2	1779.2	1678.4	1551.4	1520.8	1526.7	1536.3
70°	1758.3	1765.4	1836.9	1962.3	2039.2	1936.4	1768.3	1711.0	1714.0	1715.2
72°	1698.9	1716.9	1823.1	2010.4	2164.6	2018.3	1789.6	1688.1	1673.0	1674.7
72.5°	1683.0	1696.8	1803.4	1990.3	2154.2	2000.7	1766.6	1670.5	1646.2	1647.1
75°	1563.5	1589.8	1692.2	1886.6	2062.2	1912.5	1678.0	1575.6	1556.8	1556.8
77.5°	1357.4	1394.2	1499.1	1772.1	1982.8	1819.7	1565.6	1438.9	1419.7	1412.6
80°	998.7	1052.6	1155.9	1425.5	1652.9	1504.1	1288.8	1158.4	1128.3	1117.4
82.5°	393.4	439.8	613.3	858.7	1089.4	927.2	701.1	584.8	491.6	481.6
85°	48.9	79.0	154.7	283.0	432.7	307.7	183.5	96.1	51.8	43.5
87.5°	14.2	26.8	29.3	47.7	56.4	51.8	32.6	29.3	16.3	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)