

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: P177330

Luminaire Tested: **VAL-E02-LED-E-U-WQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177330
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-E02-LED-E-U-WQ-7060
Description: VALET TUNNEL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6345.7 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 52.1
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



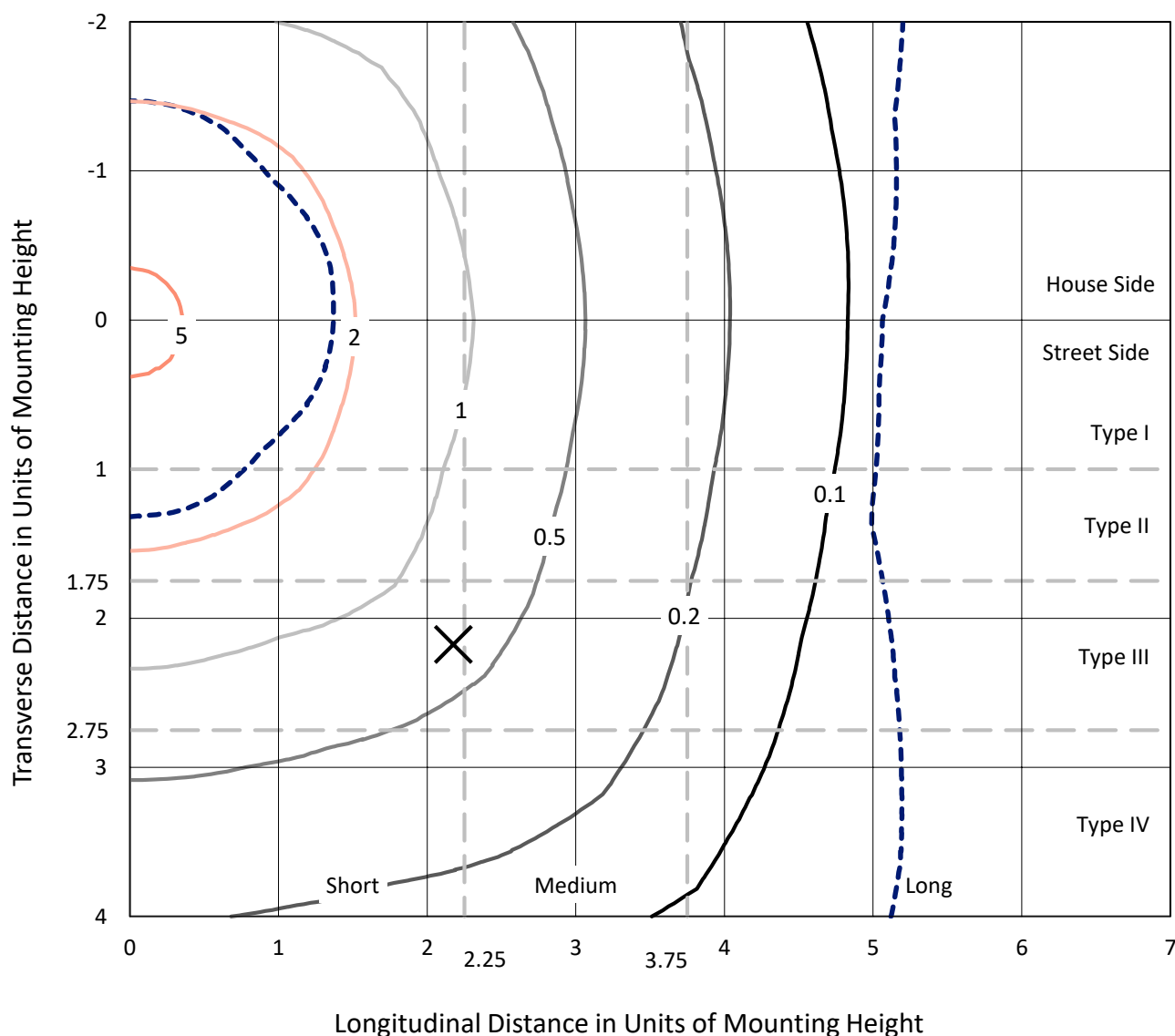
REPORT NUMBER: P177330

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

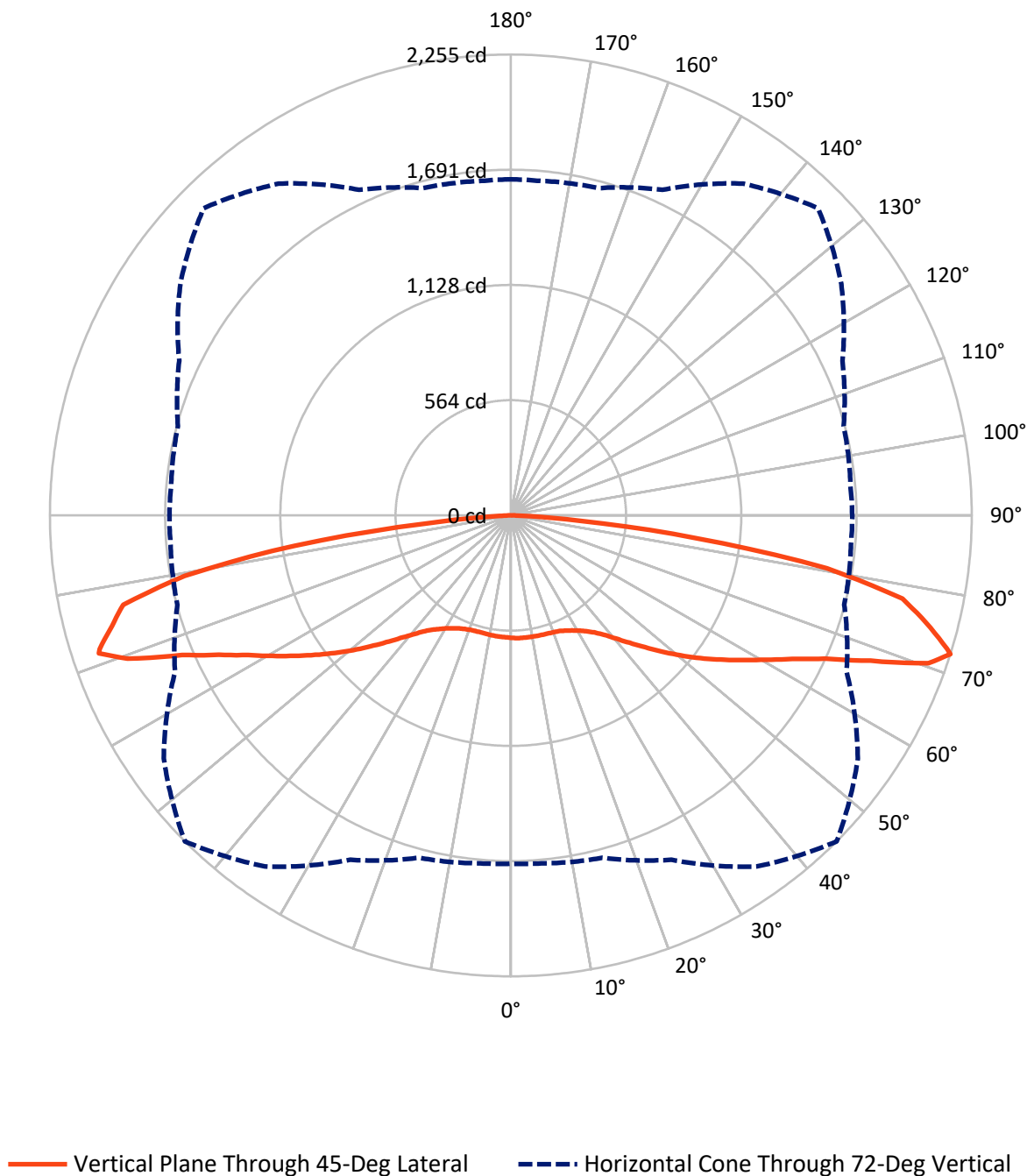


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P177330

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P177330

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-7060

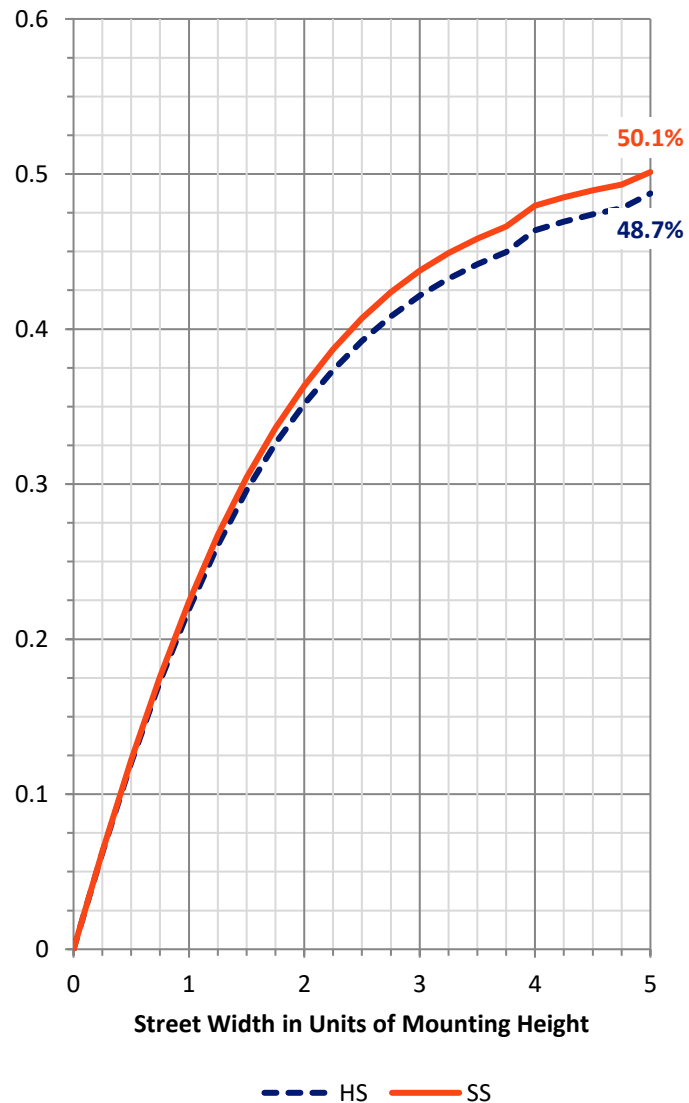
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3129.3	0.0	3129.3
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	3216.3	0.0	3216.3
	% Fixture	50.7	0.0	50.7
Total	Lumens	6345.7	0.0	6345.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	0.9
10°-20°	169.9	2.7
20°-30°	285.4	4.5
30°-40°	434.4	6.8
40°-50°	686.7	10.8
50°-60°	1048.8	16.5
60°-70°	1536.5	24.2
70°-80°	1745.6	27.5
80°-90°	381.3	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°	6345.7	100.0
0°-180°	6345.7	100.0

Coefficient of Utilization



REPORT NUMBER: P177330

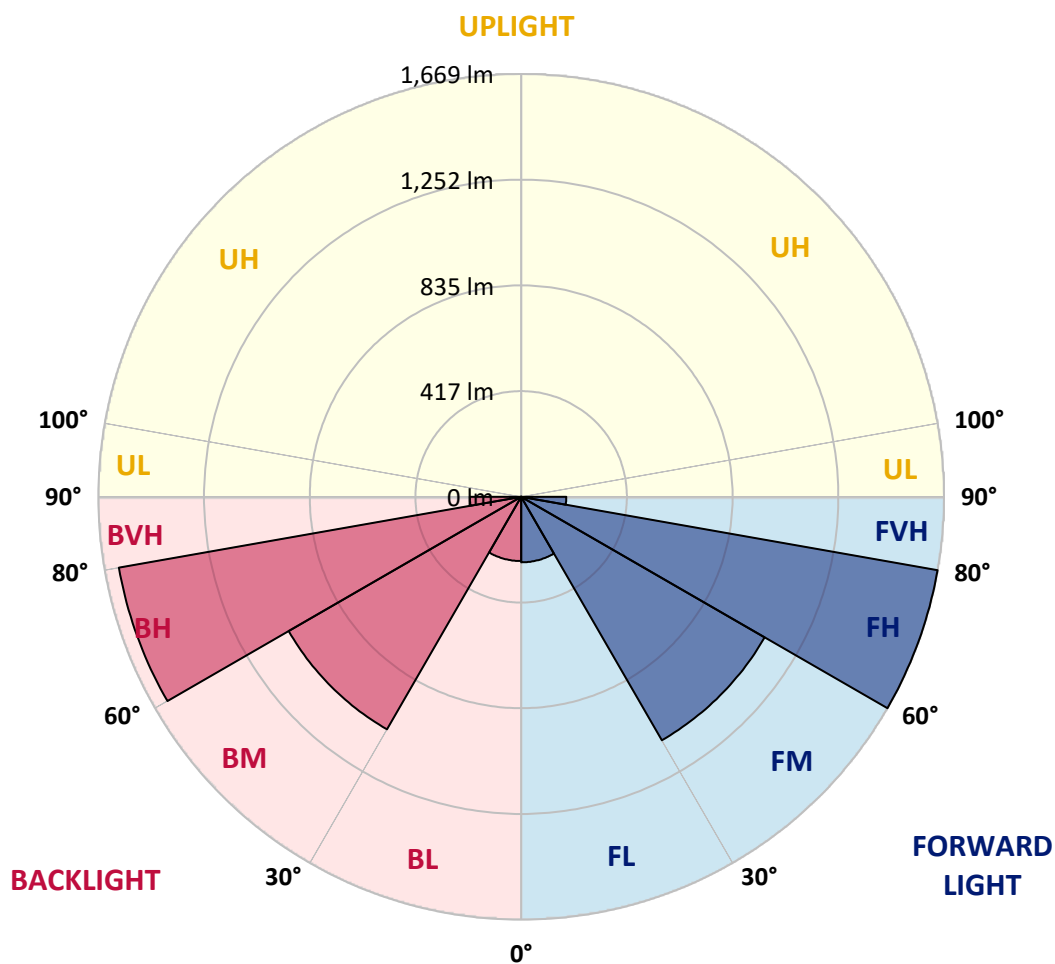
CATALOG NUMBER: VAL-E02-LED-E-U-WQ-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.8	4.1			
FM	(30°-60°)	1109.8	17.5			
FH	(60°-80°)	1669.4	26.3			G1/1800
FVH	(80°-90°)	178.3	2.8			G2/225
BL	(0°-30°)	253.7	4.0	B1/500		
BM	(30°-60°)	1060.0	16.7	B2/2500		
BH	(60°-80°)	1612.7	25.4	B3/2500		G1/1800
BVH	(80°-90°)	202.9	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





REPORT NUMBER: P177330

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2
2.5°	604.2	604.2	602.5	601.7	601.7	601.3	600.9	600.9	600.5	600.9	599.7
5°	605.0	605.0	603.4	602.5	602.1	601.7	601.7	600.9	600.5	600.9	599.7
7.5°	605.0	605.4	604.6	603.8	602.5	602.1	601.7	600.5	600.5	599.7	599.2
10°	606.6	607.9	606.2	605.0	603.4	602.5	601.3	600.5	600.1	599.2	599.2
12.5°	607.9	609.1	607.5	606.2	604.6	603.4	601.7	600.5	599.7	598.4	598.8
15°	609.5	610.7	609.1	607.5	605.8	604.2	602.5	600.9	599.7	598.8	598.8
17.5°	610.3	611.6	609.9	608.3	607.0	606.2	604.2	601.7	600.1	599.2	599.2
20°	611.6	612.8	611.6	610.7	609.5	609.1	607.0	604.2	602.1	600.9	600.5
22.5°	614.4	615.3	614.8	614.8	614.8	614.4	612.8	608.3	605.8	603.8	603.4
25°	621.4	621.0	621.8	622.6	623.1	623.9	621.4	616.5	613.2	609.9	609.5
27.5°	632.9	633.3	633.7	635.4	637.0	637.4	635.0	629.6	624.7	620.2	619.8
30°	646.0	646.0	647.7	651.0	652.6	653.8	651.4	644.8	638.6	634.1	633.3
32.5°	664.9	666.6	667.4	671.1	674.4	675.6	671.9	664.9	657.9	652.2	651.0
35°	692.0	694.5	695.3	698.6	702.3	702.7	699.4	691.6	684.2	676.4	676.8
37.5°	730.2	730.6	732.6	733.5	740.4	740.4	735.1	728.1	720.7	713.8	711.7
40°	781.1	781.5	782.3	781.1	789.3	791.7	784.8	774.1	767.1	758.1	756.9
42.5°	836.5	840.6	840.2	838.1	846.3	851.7	843.0	830.7	823.3	813.9	812.3
45°	905.0	904.2	900.5	905.0	914.5	920.2	909.5	893.9	886.1	874.2	873.8
47.5°	971.5	970.7	964.9	968.2	985.9	995.3	979.7	962.1	951.8	944.8	939.5
50°	1034.7	1040.5	1033.1	1040.1	1063.0	1075.8	1061.4	1033.5	1021.2	1010.5	1007.6
52.5°	1109.0	1112.3	1105.7	1116.8	1142.3	1160.7	1141.0	1104.9	1092.6	1080.7	1077.0
55°	1184.9	1183.3	1180.0	1192.3	1223.5	1245.3	1223.9	1180.4	1162.4	1153.3	1153.3
57.5°	1259.6	1260.5	1252.7	1267.4	1306.8	1335.6	1308.9	1255.5	1233.4	1223.1	1226.4
60°	1339.7	1339.7	1327.8	1341.3	1396.3	1432.9	1392.6	1331.5	1307.3	1301.1	1301.5
62.5°	1429.6	1426.3	1413.2	1430.0	1496.9	1545.3	1494.8	1418.5	1386.9	1386.9	1389.8
65°	1533.4	1528.1	1523.6	1542.9	1629.5	1688.6	1622.1	1525.6	1497.7	1494.4	1499.8
67.5°	1682.8	1688.6	1677.1	1702.5	1820.7	1897.9	1796.9	1672.6	1643.0	1640.1	1653.3
70°	1817.4	1811.7	1826.5	1898.3	2059.2	2166.7	2026.4	1835.1	1750.5	1733.3	1738.6
72°	1704.2	1708.7	1733.7	1858.5	2096.9	2255.0	2072.7	1812.5	1688.6	1670.5	1670.1
72.5°	1677.9	1681.2	1702.5	1822.4	2069.9	2231.6	2049.3	1783.8	1666.8	1651.2	1650.4
75°	1540.0	1546.5	1580.2	1696.8	1948.0	2100.2	1929.1	1680.8	1552.3	1522.7	1528.9
77.5°	1311.8	1325.3	1359.4	1493.6	1788.3	1958.6	1775.6	1489.9	1345.8	1324.1	1317.1
80°	962.5	944.4	1006.0	1125.0	1334.8	1569.1	1354.0	1122.6	973.2	933.3	943.2
82.5°	327.5	335.3	432.6	577.5	732.6	916.1	777.8	562.3	414.1	364.1	341.9
85°	39.8	43.1	67.3	122.7	230.7	333.3	235.6	124.8	77.6	47.6	41.9
87.5°	19.3	20.5	28.7	30.8	38.2	32.4	38.6	24.6	23.4	14.4	11.9
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: P177330

CATALOG NUMBER: VAL-E02-LED-E-U-WQ-7060

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2
2.5°	599.2	598.4	598.0	597.2	596.4	596.4	596.4	596.4	596.4	596.8
5°	599.2	598.4	598.0	596.8	596.0	596.0	595.6	596.0	595.6	596.0
7.5°	599.2	598.0	596.8	595.6	594.7	595.1	594.3	593.9	594.3	594.3
10°	598.8	596.8	595.1	593.9	593.5	593.1	593.1	592.7	593.5	593.1
12.5°	598.4	596.0	593.9	592.3	591.9	591.9	591.9	591.9	593.1	592.7
15°	598.0	595.6	593.5	591.4	591.0	591.9	591.9	592.7	593.5	593.5
17.5°	598.4	595.6	593.1	591.4	591.4	592.3	592.7	593.9	595.1	594.3
20°	600.1	596.8	594.7	593.1	593.9	594.7	594.7	595.6	596.8	596.0
22.5°	602.5	600.1	598.4	598.0	599.2	599.7	599.2	598.8	599.2	598.4
25°	608.3	605.8	604.6	606.2	607.5	607.0	605.4	603.8	602.9	602.5
27.5°	618.9	616.9	616.5	618.5	619.8	617.7	614.8	612.4	611.6	610.3
30°	632.1	630.8	632.1	634.1	634.5	631.3	627.2	623.5	622.2	622.2
32.5°	649.3	648.1	651.0	654.2	655.1	650.6	644.0	639.1	635.8	635.4
35°	674.4	673.5	674.4	678.5	678.1	673.5	666.1	660.4	657.1	657.1
37.5°	709.2	708.4	706.4	710.5	710.1	703.9	696.1	691.2	687.5	687.9
40°	754.8	753.6	751.1	751.9	755.2	747.0	737.2	730.6	730.2	730.2
42.5°	809.4	803.6	804.5	809.4	806.9	797.1	788.0	782.3	782.3	781.9
45°	868.9	866.9	866.0	867.7	869.7	861.9	846.7	840.2	839.8	839.8
47.5°	937.9	927.6	929.7	933.8	938.7	928.8	909.5	901.7	900.5	900.9
50°	1005.2	994.5	996.6	1005.2	1014.6	999.0	975.2	965.8	964.1	964.9
52.5°	1074.9	1065.9	1065.9	1080.3	1092.6	1073.3	1043.3	1031.9	1031.9	1031.4
55°	1148.8	1136.5	1141.4	1159.9	1174.7	1151.3	1114.4	1105.3	1098.3	1101.2
57.5°	1222.3	1210.0	1214.1	1242.4	1260.9	1233.0	1186.6	1167.7	1163.6	1162.8
60°	1297.4	1283.5	1288.4	1332.7	1354.5	1317.5	1249.4	1226.4	1222.7	1222.3
62.5°	1380.7	1370.9	1378.3	1429.6	1454.6	1402.1	1316.3	1290.0	1291.3	1288.4
65°	1484.6	1476.8	1489.5	1552.3	1583.1	1505.9	1402.9	1372.5	1376.2	1375.8
67.5°	1633.1	1623.7	1631.5	1719.3	1746.8	1647.9	1523.2	1493.2	1498.9	1508.4
70°	1726.3	1733.3	1803.5	1926.6	2002.1	1901.2	1736.2	1679.9	1682.8	1684.0
72°	1668.0	1685.7	1789.9	1973.8	2125.3	1981.6	1757.1	1657.4	1642.6	1644.2
72.5°	1652.4	1666.0	1770.6	1954.1	2115.0	1964.4	1734.5	1640.1	1616.3	1617.1
75°	1535.1	1560.9	1661.5	1852.3	2024.7	1877.8	1647.5	1547.0	1528.5	1528.5
77.5°	1332.7	1368.8	1471.8	1739.9	1946.7	1786.7	1537.1	1412.7	1393.9	1386.9
80°	980.5	1033.5	1134.9	1399.6	1622.9	1476.8	1265.4	1137.3	1107.8	1097.1
82.5°	386.2	431.8	602.1	843.0	1069.6	910.4	688.3	574.2	482.7	472.8
85°	48.0	77.6	151.9	277.9	424.8	302.1	180.2	94.4	50.9	42.7
87.5°	14.0	26.3	28.7	46.8	55.4	50.9	32.0	28.7	16.0	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)