

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: LUMARK

Report Number: P218823

Luminaire Tested: **XTOR6BRL-Y**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27507)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR6BRL-Y
Description: CROSSTOUR WALL MOUNT LED WITH REFRACTIVE LENS

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5826 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.67' x H: 0.17')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

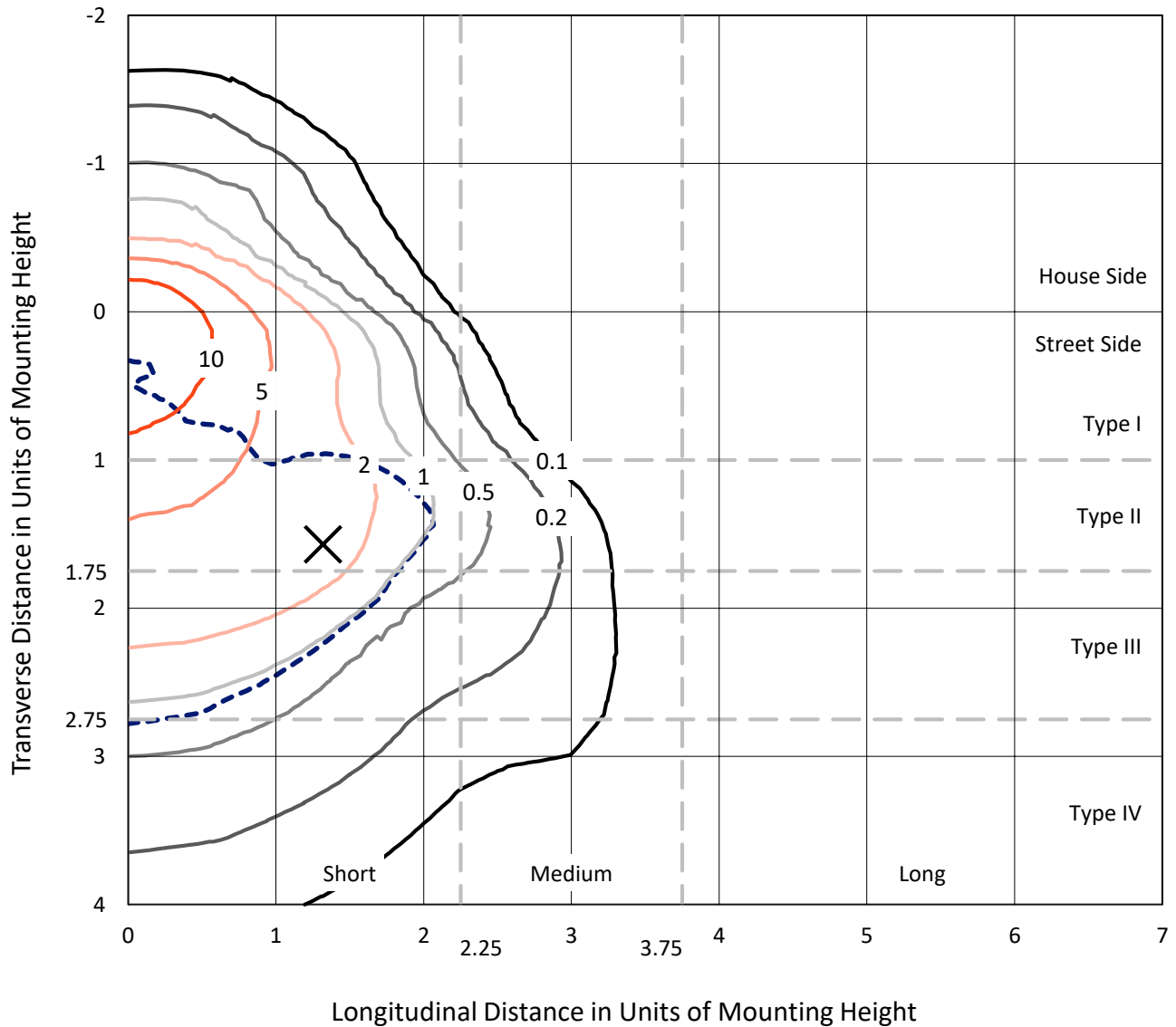
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

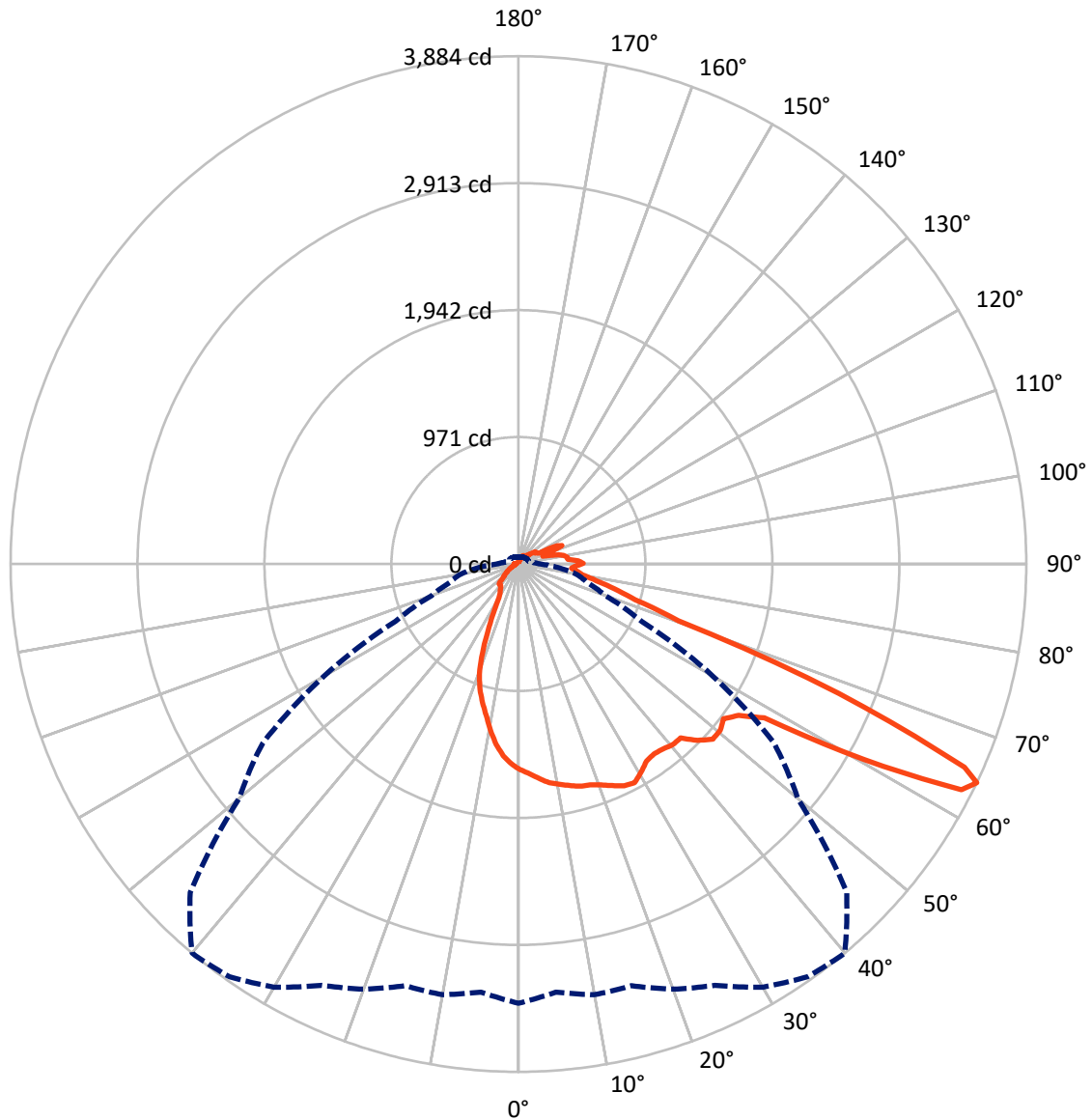
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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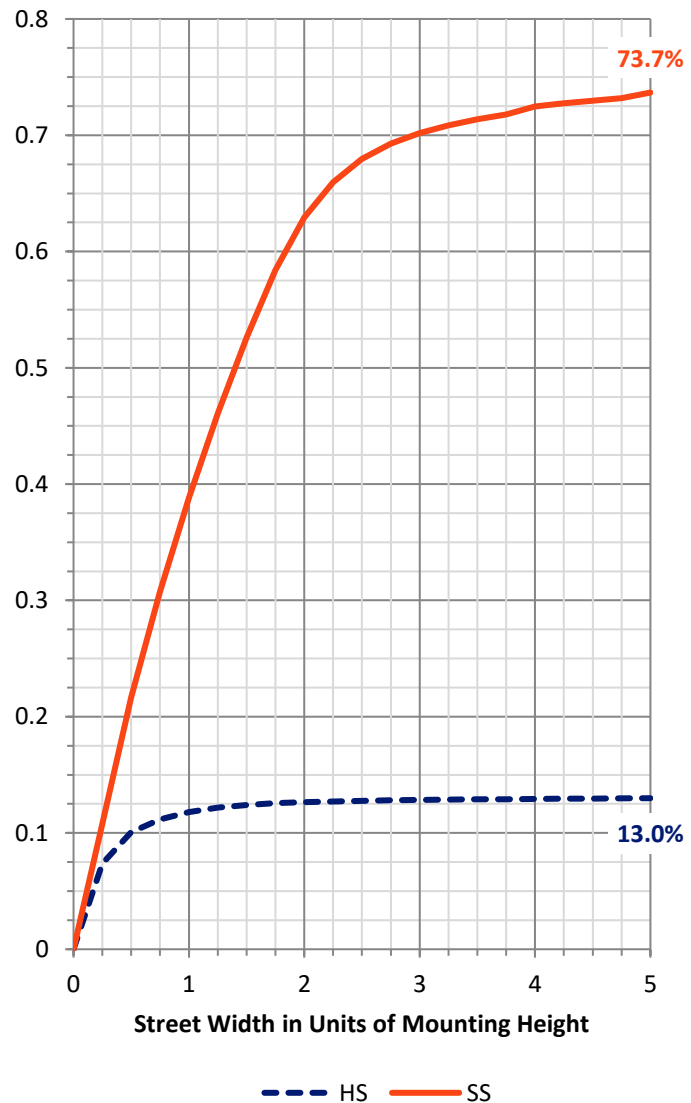
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	770.9	41.5	812.3
	% Fixture	13.2	0.7	13.9
Street Side	Lumens	4452.6	561.0	5013.6
	% Fixture	76.4	9.6	86.1
Total	Lumens	5223.5	602.5	5826.0
	% Fixture	89.7	10.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	2.5
10°-20°	408.3	7.0
20°-30°	578.7	9.9
30°-40°	690.3	11.8
40°-50°	800.3	13.7
50°-60°	911.0	15.6
60°-70°	1072.0	18.4
70°-80°	390.5	6.7
80°-90°	225.0	3.9
90°-100°	216.7	3.7
100°-110°	145.8	2.5
110°-120°	117.9	2.0
120°-130°	50.3	0.9
130°-140°	33.3	0.6
140°-150°	20.8	0.4
150°-160°	12.4	0.2
160°-170°	4.3	0.1
170°-180°	0.9	0.0
0°-90°	5223.5	89.7
0°-180°	5826.0	100.0

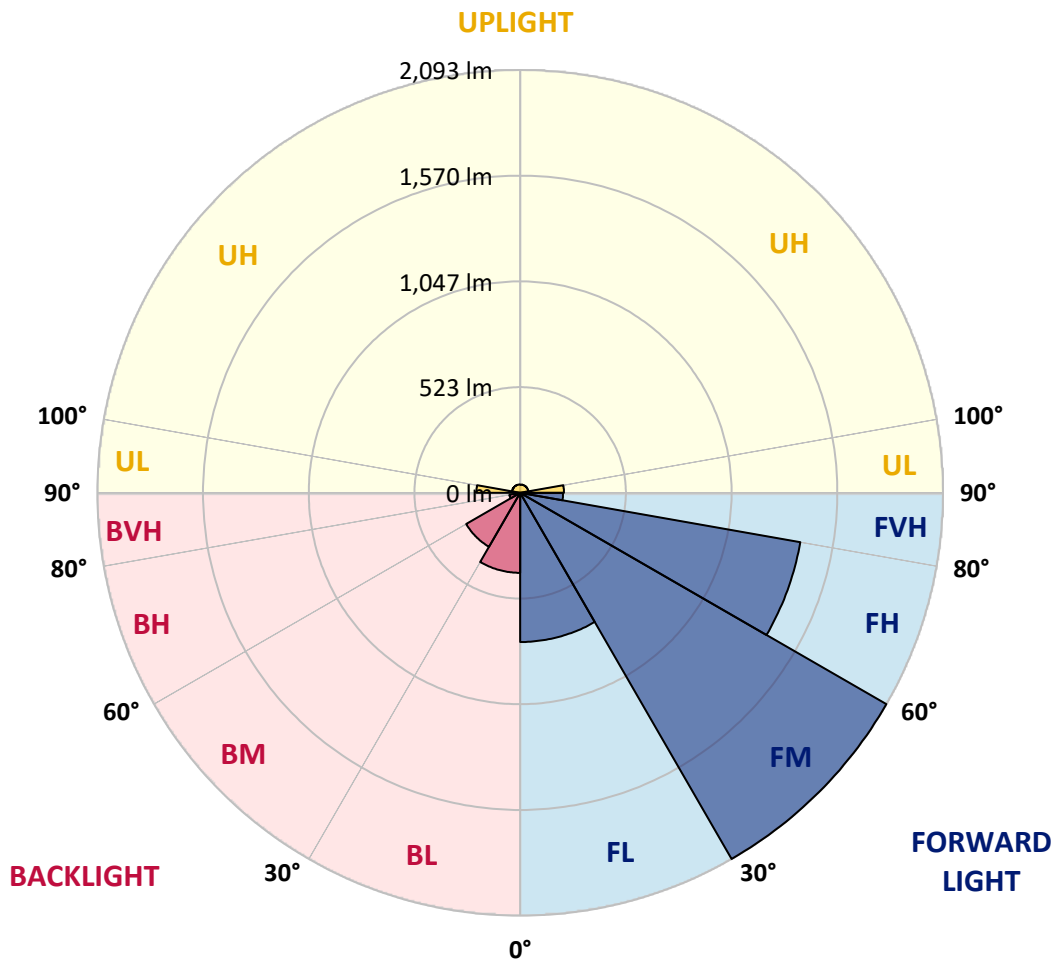


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	738.4	12.7			
FM	(30°-60°)	2093.3	35.9			
FH	(60°-80°)	1408.3	24.2			G1/1800
FVH	(80°-90°)	212.6	3.6			G2/225
BL	(0°-30°)	396.0	6.8	B1/500		
BM	(30°-60°)	308.3	5.3	B1/1000		
BH	(60°-80°)	54.2	0.9	B0/110		G0/110
BVH	(80°-90°)	12.3	0.2			G1/100
UL	(90°-100°)	216.7	3.7		U3/500	
UH	(100°-180°)	41.5	0.7		U2/50	

BUG Rating: B1-U3-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8
2.5°	1640.3	1603.1	1609.2	1598.4	1630.8	1612.6	1630.8	1632.8	1605.8	1603.8	1608.5
5°	1698.3	1658.5	1666.6	1650.4	1682.1	1663.9	1683.4	1678.0	1647.0	1642.3	1647.0
7.5°	1751.6	1707.7	1718.5	1699.6	1730.7	1711.8	1729.3	1719.9	1689.5	1680.7	1680.1
10°	1792.7	1746.9	1757.7	1737.4	1766.4	1746.9	1759.0	1745.5	1713.1	1703.7	1702.3
12.5°	1819.1	1773.2	1783.3	1764.4	1794.8	1773.2	1784.0	1773.2	1738.8	1726.6	1723.2
15°	1864.9	1815.7	1822.4	1804.2	1831.2	1801.5	1808.9	1797.5	1763.7	1752.3	1748.2
17.5°	1929.0	1881.8	1892.6	1867.0	1889.9	1849.4	1842.7	1817.7	1775.9	1765.1	1759.0
20°	1987.1	1939.2	1956.0	1930.4	1953.3	1906.1	1891.3	1858.9	1804.2	1770.5	1757.0
22.5°	1988.4	1943.9	1969.5	1953.3	1990.4	1945.2	1939.2	1902.7	1840.6	1794.8	1763.1
25°	1941.2	1899.3	1925.7	1913.5	1958.1	1933.8	1953.3	1935.1	1879.8	1833.9	1787.3
27.5°	1949.3	1903.4	1923.0	1899.3	1921.6	1890.6	1908.1	1912.2	1894.0	1864.3	1815.7
30°	1981.7	1928.4	1946.6	1913.5	1927.7	1881.8	1882.5	1863.6	1847.4	1852.1	1835.3
32.5°	2034.3	1978.3	1990.4	1943.2	1957.4	1896.0	1881.1	1848.7	1798.1	1792.1	1813.7
35°	2037.7	1982.3	1995.2	1955.4	1972.2	1929.0	1909.5	1852.8	1784.0	1744.2	1750.9
37.5°	2080.2	2024.2	2025.5	1969.5	1974.9	1928.4	1919.6	1877.8	1795.4	1721.2	1692.9
40°	2177.3	2119.3	2119.3	2048.5	2041.7	1960.1	1923.0	1875.1	1816.4	1737.4	1667.2
42.5°	2327.1	2266.4	2288.7	2250.9	2240.8	2122.7	2020.8	1904.7	1819.1	1766.4	1676.0
45°	2306.9	2242.1	2260.3	2213.8	2214.4	2167.9	2176.7	2118.6	1923.6	1802.2	1737.4
47.5°	2355.5	2298.1	2317.7	2267.1	2276.5	2205.0	2144.9	2071.4	2001.9	1912.8	1736.1
50°	2395.3	2333.2	2359.5	2311.6	2335.2	2265.1	2228.6	2139.6	1999.9	1861.6	1750.9
52.5°	2576.1	2495.8	2507.3	2448.6	2437.1	2333.2	2238.7	2113.9	1965.5	1826.5	1716.5
55°	2483.7	2413.5	2435.8	2373.0	2369.6	2279.9	2219.8	2147.0	2043.7	1897.3	1794.1
57.5°	2781.2	2702.3	2723.2	2643.6	2630.1	2504.6	2411.5	2285.3	2217.8	2143.6	2014.1
60°	3211.0	3138.8	3197.5	3163.8	3231.9	3194.8	3242.1	3140.2	3037.6	2791.3	2458.7
62.5°	3377.7	3310.2	3393.2	3396.6	3528.8	3597.6	3765.6	3821.0	3803.4	3487.0	2789.3
64°	3359.5	3286.6	3345.3	3339.2	3460.7	3555.8	3737.3	3854.0	3884.4	3550.4	2788.6
65°	3283.2	3216.4	3281.9	3252.8	3342.6	3395.9	3539.6	3662.4	3750.1	3364.2	2692.2
67.5°	2765.0	2681.4	2752.9	2671.2	2697.5	2682.0	2705.6	2626.0	2642.9	2335.2	2176.0
70°	1988.4	1952.0	1929.0	1799.5	1708.4	1564.0	1405.5	1273.9	1297.5	1257.7	1477.6
72.5°	1342.7	1315.0	1302.2	1224.6	1170.6	1105.2	1033.0	924.4	932.5	983.7	1079.6
75°	1039.8	1007.4	1002.6	930.4	873.1	819.8	759.7	705.8	757.0	896.0	925.0
77.5°	807.0	786.7	776.6	725.3	691.6	639.6	587.7	554.6	605.9	786.7	751.0
80°	736.1	717.9	713.9	676.7	653.8	601.2	551.9	514.8	493.2	634.9	551.3
82.5°	705.1	689.6	692.3	669.3	655.8	618.0	579.6	534.4	454.1	490.5	411.6
85°	692.9	679.4	678.1	638.3	619.4	580.3	533.7	479.7	406.2	371.8	344.1
87.5°	693.6	673.4	667.3	636.9	620.1	593.1	576.9	550.6	435.9	346.1	318.5
90°	786.7	767.8	770.5	755.0	765.1	737.5	721.3	690.9	496.6	354.2	340.1
92.5°	860.3	844.1	848.1	830.6	820.5	755.7	719.9	664.6	459.5	348.2	413.6
95°	713.2	709.8	716.6	689.6	668.0	599.8	554.6	502.0	379.9	397.4	433.2
97.5°	579.6	560.0	556.0	526.3	498.6	444.6	414.3	427.8	377.8	394.7	418.3
100°	427.8	416.3	427.8	426.4	434.5	449.4	490.5	496.6	356.3	346.1	313.1
102.5°	371.8	370.4	391.3	414.3	462.9	524.9	566.1	486.5	315.8	257.1	239.5
105°	417.7	416.3	446.7	471.0	510.1	497.9	452.1	359.0	240.9	213.9	226.0
107.5°	475.7	468.3	477.0	460.2	434.5	389.3	340.1	272.6	195.0	196.3	232.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	465.6	466.9	457.5	437.9	406.2	385.9	359.6	311.0	237.5	189.6	234.8
112.5°	605.2	593.8	601.9	578.9	539.8	500.6	471.6	435.9	362.3	229.4	217.3
115°	512.1	503.3	502.7	489.2	477.0	456.1	417.7	381.9	321.2	207.8	170.7
117.5°	226.0	223.3	230.1	219.3	209.2	192.3	194.3	197.7	178.1	154.5	141.0
120°	161.3	159.9	160.6	157.9	156.5	155.2	155.2	153.2	165.3	151.8	135.6
122.5°	123.5	122.8	128.2	132.2	136.3	139.0	143.0	145.7	152.5	151.1	127.5
125°	127.5	126.2	130.2	130.2	135.6	134.3	141.7	151.1	160.6	144.4	112.0
127.5°	128.9	127.5	132.2	133.6	138.3	141.7	143.7	153.8	143.0	121.5	106.6
130°	137.0	133.6	134.9	134.9	141.0	140.3	140.3	125.5	118.1	113.4	96.5
132.5°	137.0	132.9	133.6	132.2	128.2	118.8	109.3	106.6	104.6	95.8	87.0
135°	114.7	109.3	108.0	105.3	101.9	95.1	91.8	89.7	90.4	87.7	82.3
137.5°	87.7	86.4	86.4	83.7	82.3	82.3	83.0	85.7	83.0	79.6	76.9
140°	76.9	75.6	76.9	76.9	74.9	73.5	76.2	78.9	78.3	71.5	70.8
142.5°	68.1	66.8	68.8	68.8	70.8	71.5	72.9	74.2	73.5	71.5	71.5
145°	65.4	64.8	66.8	65.4	66.1	65.4	68.8	74.9	76.9	69.5	62.7
147.5°	62.1	61.4	63.4	62.7	66.8	70.8	74.9	73.5	68.1	66.8	66.1
150°	83.0	81.6	83.0	82.3	78.9	76.2	75.6	75.6	74.9	70.2	62.7
152.5°	78.3	76.2	76.9	74.2	70.8	69.5	70.8	70.8	64.8	57.4	51.3
155°	68.8	66.1	66.8	64.1	60.7	57.4	55.3	52.6	49.3	43.2	36.4
157.5°	52.0	49.9	51.3	49.9	47.9	45.9	43.9	41.2	37.1	31.7	29.0
160°	43.9	41.2	41.2	39.8	39.8	36.4	35.1	32.4	29.0	25.6	25.6
162.5°	33.1	32.4	32.4	30.4	29.0	27.0	25.6	23.6	24.3	23.6	22.9
165°	21.6	20.2	20.9	19.6	19.6	20.2	21.6	22.3	20.9	20.9	24.3
167.5°	18.2	17.5	18.2	18.9	18.9	19.6	22.3	21.6	22.3	22.9	25.0
170°	20.2	19.6	20.2	20.2	20.9	21.6	21.6	23.6	24.3	23.6	22.3
172.5°	22.3	22.3	20.9	14.2	14.2	14.8	14.8	15.5	14.8	14.2	13.5
175°	4.7	4.7	5.4	5.4	5.4	5.4	6.1	6.7	6.7	6.7	7.4
177.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.4	5.4	4.7	6.1
180°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8
2.5°	1607.2	1607.2	1613.9	1590.3	1567.4	1598.4	1584.9	1570.1	1544.4	1547.8	1546.5
5°	1640.9	1638.2	1640.3	1613.3	1585.6	1613.9	1592.4	1571.4	1542.4	1541.1	1532.3
7.5°	1672.6	1663.9	1661.2	1632.2	1599.8	1621.4	1594.4	1567.4	1533.0	1526.2	1509.4
10°	1690.9	1678.0	1672.0	1640.3	1603.1	1620.7	1588.3	1553.9	1516.1	1501.3	1474.9
12.5°	1707.7	1690.9	1681.4	1649.0	1607.9	1616.6	1580.2	1542.4	1498.6	1477.6	1439.9
15°	1731.3	1709.8	1699.0	1665.9	1614.6	1620.7	1577.5	1531.6	1481.7	1452.7	1403.4
17.5°	1740.1	1718.5	1704.4	1668.6	1616.6	1615.3	1568.1	1514.1	1453.4	1413.5	1350.8
20°	1733.4	1713.8	1701.0	1665.9	1610.6	1601.8	1549.2	1488.4	1417.6	1364.3	1288.7
22.5°	1725.9	1702.3	1693.6	1656.4	1599.8	1587.0	1526.9	1456.1	1377.8	1309.0	1218.6
25°	1729.3	1690.9	1681.4	1649.7	1589.0	1572.1	1504.0	1423.7	1332.6	1250.3	1144.3
27.5°	1748.2	1688.8	1666.6	1638.9	1578.2	1559.3	1482.4	1389.3	1284.7	1185.5	1066.1
30°	1763.1	1693.6	1648.4	1618.7	1559.3	1536.3	1452.0	1345.4	1221.3	1111.3	993.9
32.5°	1769.8	1696.3	1635.5	1593.0	1536.3	1507.3	1414.9	1295.5	1157.8	1035.0	922.3
35°	1750.9	1699.6	1628.1	1568.1	1510.7	1477.6	1375.1	1238.8	1085.6	957.4	838.7
37.5°	1690.2	1689.5	1618.7	1547.8	1477.6	1444.6	1331.2	1178.7	1008.7	874.4	740.8
40°	1622.7	1645.7	1610.6	1528.3	1446.6	1413.5	1287.4	1114.0	928.4	776.6	613.3
42.5°	1593.7	1577.5	1591.7	1510.7	1419.6	1380.5	1234.7	1041.1	842.1	669.3	481.8
45°	1593.7	1520.8	1543.8	1496.5	1387.9	1343.4	1174.7	960.1	753.0	565.4	368.4
47.5°	1604.5	1467.5	1455.4	1477.6	1354.2	1294.8	1111.3	877.1	661.2	446.0	279.3
50°	1611.9	1430.4	1361.6	1426.4	1309.0	1219.2	1026.3	787.4	553.3	337.4	215.9
52.5°	1555.9	1479.0	1306.3	1337.3	1247.6	1134.9	933.1	682.8	430.5	251.0	182.2
55°	1640.9	1447.3	1315.7	1230.7	1176.7	1028.3	825.9	565.4	316.4	192.3	161.9
57.5°	1768.5	1516.1	1286.7	1104.5	1050.5	905.5	710.5	435.2	223.3	161.3	139.0
60°	1996.5	1603.8	1198.3	941.2	854.9	751.6	567.4	307.0	164.0	137.6	114.0
62.5°	2310.9	1667.9	1095.8	797.5	657.9	566.8	396.7	203.1	133.6	112.0	94.5
64°	2387.2	1719.9	1039.1	707.8	543.8	452.7	298.9	164.6	118.8	96.5	82.3
65°	2360.9	1740.8	1008.7	648.4	468.3	379.2	245.6	148.4	109.3	89.1	76.2
67.5°	2116.6	1672.6	966.9	527.0	313.1	230.8	164.0	117.4	90.4	74.9	64.1
70°	1632.8	1448.0	914.9	410.9	219.3	168.0	123.5	95.1	74.2	62.7	54.0
72.5°	1138.3	1072.1	693.6	324.5	164.0	125.5	97.8	77.6	62.1	53.3	46.6
75°	807.6	620.7	443.3	246.3	128.2	99.9	82.3	64.1	52.6	45.9	39.8
77.5°	592.4	390.7	222.0	166.7	104.6	88.4	71.5	55.3	44.5	39.1	34.4
80°	415.0	288.8	165.3	107.3	84.3	79.6	64.1	47.9	38.5	34.4	30.4
82.5°	324.5	238.9	143.7	89.7	68.8	68.1	56.7	41.2	34.4	30.4	27.0
85°	283.4	207.8	133.6	79.6	58.7	57.4	49.3	36.4	31.0	27.7	24.3
87.5°	284.1	198.4	132.9	79.6	56.0	50.6	43.9	33.1	28.3	25.0	22.3
90°	328.6	228.1	143.0	78.9	53.3	45.2	39.1	29.7	25.6	22.3	20.2
92.5°	379.9	261.1	129.5	78.3	52.6	43.2	37.1	27.7	24.3	21.6	19.6
95°	379.9	214.6	118.8	81.6	54.7	42.5	34.4	26.3	22.3	20.9	18.9
97.5°	294.9	172.1	128.2	96.5	59.4	45.9	35.1	25.0	20.9	19.6	18.2
100°	228.1	147.1	143.7	115.4	67.5	44.5	31.7	23.6	20.2	19.6	18.2
102.5°	203.1	136.3	122.8	108.0	62.1	40.5	29.7	22.9	20.2	18.9	17.5
105°	202.4	132.2	93.8	80.3	51.3	37.1	27.7	22.3	19.6	18.2	17.5
107.5°	213.9	143.0	86.4	66.1	47.2	36.4	27.7	20.9	18.9	17.5	18.9



REPORT NUMBER: P218823
 CATALOG NUMBER: XTOR6BRL-Y

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
110°	214.6	155.2	91.8	60.7	42.5	36.4	29.0	20.2	18.2	18.2	23.6
112.5°	207.8	159.2	102.6	58.0	41.2	35.8	29.7	20.2	17.5	18.9	22.9
115°	170.7	150.5	105.3	64.1	42.5	33.7	28.3	20.2	18.2	18.2	18.2
117.5°	140.3	122.8	93.1	63.4	37.8	28.3	23.6	18.2	16.9	16.2	16.2
120°	115.4	87.0	68.8	52.6	34.4	24.3	20.2	16.9	15.5	15.5	14.8
122.5°	93.8	75.6	61.4	45.2	30.4	22.3	19.6	16.9	15.5	15.5	14.8
125°	89.7	74.9	61.4	43.9	29.7	22.3	20.2	17.5	15.5	15.5	15.5
127.5°	83.7	65.4	52.0	42.5	30.4	21.6	20.2	17.5	16.2	15.5	16.2
130°	75.6	60.1	49.3	39.8	28.3	22.9	20.2	18.2	16.9	16.9	17.5
132.5°	70.8	56.7	46.6	37.8	28.3	24.3	21.6	18.9	17.5	17.5	16.9
135°	70.2	53.3	43.2	34.4	27.0	22.9	20.2	17.5	16.9	16.2	15.5
137.5°	72.2	60.7	43.2	34.4	29.7	24.3	19.6	16.9	16.2	15.5	14.8
140°	68.8	56.7	45.9	34.4	31.7	26.3	19.6	16.9	15.5	15.5	14.8
142.5°	60.7	52.6	43.2	33.1	32.4	27.7	19.6	16.9	15.5	14.8	14.2
145°	58.0	49.9	41.8	35.8	33.7	28.3	20.2	16.2	14.8	14.2	13.5
147.5°	59.4	52.0	42.5	33.1	33.7	26.3	18.9	15.5	14.2	14.2	13.5
150°	52.6	44.5	37.1	29.0	33.1	25.0	17.5	14.8	14.2	14.2	13.5
152.5°	40.5	35.1	30.4	29.7	31.0	23.6	17.5	15.5	14.2	14.2	12.8
155°	31.0	29.0	27.0	31.0	29.0	22.9	17.5	15.5	14.2	13.5	12.8
157.5°	27.7	25.6	28.3	32.4	27.0	21.6	16.9	14.8	13.5	12.8	11.5
160°	23.6	26.3	29.7	30.4	25.0	20.2	15.5	14.2	12.8	12.1	10.8
162.5°	24.3	27.7	29.0	28.3	20.9	17.5	14.2	12.8	12.1	11.5	10.1
165°	27.0	28.3	27.0	24.3	18.2	14.8	13.5	12.1	11.5	10.8	10.1
167.5°	25.0	25.0	25.0	20.9	16.9	14.2	12.8	11.5	10.8	10.1	9.4
170°	18.2	14.8	13.5	12.1	11.5	10.8	10.8	10.1	10.1	9.4	8.8
172.5°	13.5	12.1	11.5	10.8	10.1	10.1	10.1	9.4	9.4	9.4	8.8
175°	7.4	7.4	8.1	8.1	8.1	8.8	8.8	8.1	8.1	8.1	7.4
177.5°	6.1	6.7	7.4	7.4	7.4	8.1	8.1	7.4	8.1	7.4	7.4
180°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4



REPORT NUMBER: P218823
 CATALOG NUMBER: XTOR6BRL-Y

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8	1572.8
2.5°	1547.1	1534.3	1523.5	1542.4	1535.7	1512.1	1530.3	1509.4	1519.5	1525.6	1500.6
5°	1526.9	1509.4	1490.5	1500.6	1489.1	1462.8	1470.9	1445.3	1450.0	1451.3	1423.0
7.5°	1493.2	1470.9	1443.9	1446.6	1423.7	1389.3	1390.6	1356.2	1352.8	1348.1	1315.0
10°	1452.0	1421.0	1384.5	1373.1	1342.7	1300.9	1290.1	1248.2	1236.1	1222.6	1186.8
12.5°	1408.8	1367.7	1319.8	1296.1	1253.0	1206.4	1182.8	1139.6	1124.8	1111.3	1080.2
15°	1360.2	1306.9	1245.5	1205.7	1157.8	1114.6	1094.4	1051.2	1035.7	1018.2	987.8
17.5°	1297.5	1227.3	1152.4	1114.6	1072.8	1030.3	1004.0	954.1	928.4	899.4	854.2
20°	1219.9	1137.6	1068.8	1031.7	987.8	936.5	893.3	827.9	763.1	707.8	651.1
22.5°	1136.9	1060.0	994.5	947.3	885.9	815.1	734.8	645.0	577.6	528.3	486.5
25°	1059.3	987.8	907.5	844.1	754.3	651.1	561.4	482.4	420.4	385.9	340.7
27.5°	986.4	906.2	807.0	708.5	591.1	492.5	415.0	351.5	311.0	284.1	265.8
30°	906.8	810.3	676.1	551.9	444.6	365.0	310.4	273.3	258.4	251.7	243.6
32.5°	813.7	679.4	531.7	415.0	336.7	284.7	261.8	249.6	242.9	239.5	240.9
35°	705.8	546.5	401.5	315.1	271.9	253.7	245.6	233.5	231.4	239.5	256.4
37.5°	574.9	420.4	309.7	263.1	249.6	237.5	224.0	221.3	240.2	253.0	231.4
40°	435.9	319.1	257.1	240.2	230.8	214.6	213.2	227.4	235.5	202.4	184.2
42.5°	319.8	253.7	228.7	220.0	203.8	200.4	211.2	220.0	188.2	174.8	166.0
45°	249.6	214.6	203.8	193.6	186.2	190.9	211.2	176.1	164.6	154.5	147.8
47.5°	209.2	194.3	174.8	170.0	177.5	199.0	172.1	150.5	146.4	147.8	144.4
50°	186.9	170.7	151.8	151.1	171.4	173.4	144.4	138.3	139.7	135.6	128.2
52.5°	166.0	147.8	133.6	135.6	164.6	138.3	132.9	120.1	120.8	126.2	126.8
55°	142.4	126.8	118.1	118.1	130.9	122.1	107.3	108.6	107.3	107.3	103.2
57.5°	119.4	110.0	105.3	110.7	110.0	99.2	100.5	91.8	87.0	97.8	93.8
60°	101.9	95.8	93.8	103.2	92.4	86.4	81.6	81.6	77.6	75.6	70.8
62.5°	86.4	83.0	85.7	82.3	78.9	72.9	73.5	68.8	65.4	63.4	62.1
64°	78.9	76.9	77.6	73.5	69.5	67.5	64.8	63.4	61.4	58.7	56.0
65°	73.5	72.9	72.9	69.5	64.1	62.7	60.7	60.1	58.0	58.0	55.3
67.5°	61.4	62.1	62.1	58.7	54.0	52.0	50.6	52.0	51.3	49.9	47.9
70°	51.3	52.6	52.0	49.9	47.2	44.5	42.5	43.9	43.2	44.5	41.2
72.5°	43.9	42.5	43.9	42.5	41.2	39.8	37.1	37.8	39.1	40.5	35.8
75°	37.1	35.8	38.5	37.8	37.1	35.1	33.1	33.7	35.1	35.1	30.4
77.5°	32.4	31.7	33.7	34.4	33.7	31.0	28.3	30.4	31.7	29.0	25.6
80°	29.0	28.3	29.0	31.7	29.7	27.0	25.6	28.3	28.3	24.3	21.6
82.5°	26.3	25.6	25.6	30.4	27.0	23.6	25.0	26.3	25.0	20.9	18.2
85°	23.6	22.9	25.0	31.0	25.0	22.3	22.9	24.3	21.6	16.9	14.8
87.5°	21.6	21.6	26.3	35.1	24.3	20.2	24.3	26.3	18.9	14.2	12.1
90°	19.6	20.2	29.0	39.1	20.9	18.2	29.0	30.4	17.5	11.5	9.4
92.5°	18.9	19.6	27.7	33.7	20.2	20.2	33.1	31.0	16.9	11.5	9.4
95°	18.9	19.6	24.3	26.3	20.2	21.6	31.0	27.0	16.2	12.1	10.1
97.5°	18.2	19.6	22.9	22.9	20.9	21.6	24.3	21.6	14.8	12.8	10.8
100°	18.2	19.6	22.3	21.6	20.9	20.9	20.9	18.9	14.8	13.5	10.8
102.5°	18.2	20.9	20.9	20.2	20.2	20.2	19.6	18.2	15.5	14.2	11.5
105°	18.9	21.6	18.9	18.2	18.9	18.2	17.5	16.9	15.5	13.5	11.5
107.5°	21.6	19.6	16.9	17.5	17.5	16.9	16.2	14.8	14.8	12.8	10.1



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
110°	22.3	16.9	16.2	16.9	17.5	16.2	14.8	14.2	14.2	11.5	9.4	0°
112.5°	18.2	15.5	15.5	16.9	16.9	15.5	13.5	13.5	12.8	10.1	8.8	2.5°
115°	16.9	15.5	15.5	17.5	17.5	14.8	12.8	12.8	12.1	10.1	8.1	5°
117.5°	16.2	15.5	16.2	18.2	16.9	13.5	12.8	12.1	11.5	10.1	8.1	7.5°
120°	15.5	16.2	17.5	18.2	15.5	12.8	12.1	11.5	10.8	9.4	8.1	10°
122.5°	16.2	18.2	20.2	18.2	14.8	12.8	12.1	11.5	10.8	8.8	8.1	12.5°
125°	17.5	20.9	20.9	16.9	14.2	12.8	11.5	11.5	10.1	8.8	7.4	15°
127.5°	18.9	20.2	18.2	15.5	13.5	12.1	11.5	10.8	10.1	8.1	7.4	17.5°
130°	18.2	18.2	16.2	14.8	13.5	12.1	10.8	10.1	9.4	8.1	6.7	20°
132.5°	16.9	16.2	14.8	14.8	13.5	12.1	10.8	10.1	8.8	7.4	6.7	22.5°
135°	15.5	14.8	14.2	14.2	12.8	11.5	10.8	10.1	8.8	7.4	6.1	25°
137.5°	14.8	14.2	13.5	13.5	12.1	10.8	10.1	9.4	8.8	7.4	6.7	27.5°
140°	14.8	14.2	12.8	12.1	11.5	10.1	9.4	8.8	8.1	7.4	6.7	30°
142.5°	14.2	13.5	12.1	12.1	10.8	10.1	9.4	8.8	8.1	6.7	6.1	32.5°
145°	13.5	12.8	12.1	11.5	10.8	9.4	8.8	8.1	7.4	6.7	6.1	35°
147.5°	12.8	12.1	11.5	10.8	10.1	8.8	8.1	8.1	7.4	6.7	6.1	37.5°
150°	12.8	12.1	10.8	10.8	9.4	8.8	8.1	7.4	7.4	6.7	6.1	40°
152.5°	12.1	11.5	10.8	10.1	9.4	8.1	7.4	7.4	6.7	6.1	6.1	42.5°
155°	12.1	10.8	10.1	9.4	8.8	7.4	7.4	6.7	6.7	6.1	5.4	45°
157.5°	11.5	10.8	9.4	8.8	8.1	7.4	6.7	6.7	6.1	6.1	5.4	47.5°
160°	10.8	10.1	8.8	8.8	7.4	6.7	6.7	6.7	6.1	5.4	4.7	50°
162.5°	10.1	9.4	8.8	8.8	7.4	6.7	6.7	6.1	6.1	5.4	4.7	52.5°
165°	10.1	9.4	8.8	8.1	7.4	6.7	6.1	6.1	5.4	5.4	4.7	55°
167.5°	8.8	8.8	8.1	8.1	6.7	6.1	6.1	5.4	5.4	4.7	4.7	57.5°
170°	8.8	8.8	8.1	7.4	6.7	6.1	5.4	5.4	5.4	4.7	4.7	60°
172.5°	8.8	8.1	7.4	6.7	6.1	5.4	5.4	5.4	4.7	4.7	4.0	62.5°
175°	7.4	7.4	6.7	6.7	6.1	5.4	4.7	4.7	4.7	4.0	4.0	64°
177.5°	7.4	7.4	6.7	6.1	5.4	4.7	4.7	4.7	4.0	4.0	3.4	65°
180°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

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REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

165°	170°	175°	180°
1572.8	1572.8	1572.8	1572.8
1508.7	1503.3	1499.9	1472.2
1431.1	1422.3	1418.3	1394.7
1319.8	1306.9	1304.2	1284.7
1188.9	1171.3	1170.6	1153.1
1082.9	1066.7	1070.8	1049.9
980.4	961.5	964.9	952.0
828.6	800.9	804.3	784.7
622.1	597.1	597.8	582.3
458.8	430.5	431.1	419.7
320.5	305.0	301.6	293.5
257.1	253.7	253.0	248.3
242.9	240.9	242.2	239.5
246.9	257.1	264.5	265.8
266.5	259.8	256.4	246.9
211.9	200.4	192.3	185.5
176.8	171.4	169.4	165.3
159.2	153.8	153.8	151.1
148.4	147.1	145.1	142.4
145.7	139.7	135.6	132.2
133.6	128.9	128.9	126.8
121.5	115.4	110.7	108.0
103.9	101.2	99.2	97.2
87.7	81.6	76.9	74.9
68.8	64.1	61.4	59.4
58.7	56.0	54.0	53.3
56.0	53.3	52.0	50.6
52.6	49.9	46.6	45.9
45.2	42.5	41.2	40.5
39.1	36.4	35.8	35.1
34.4	32.4	31.7	31.7
29.0	27.0	26.3	26.3
24.3	22.9	21.6	20.9
20.2	18.9	18.2	17.5
16.9	15.5	14.8	14.8
12.8	12.1	10.8	10.8
10.8	9.4	8.1	8.1
8.1	7.4	6.7	6.1
8.8	7.4	6.7	6.7
8.8	8.1	7.4	6.7
9.4	8.1	6.7	6.7
9.4	8.1	6.7	6.7
9.4	7.4	6.1	6.1
9.4	7.4	6.1	6.1
9.4	7.4	6.1	6.1

CANDELA DISTRIBUTION:

	165°
110°	8.1
112.5°	7.4
115°	7.4
117.5°	8.1
120°	7.4
122.5°	7.4
125°	7.4
127.5°	6.7
130°	6.1
132.5°	6.1
135°	6.1
137.5°	6.1
140°	6.1
142.5°	6.1
145°	6.1
147.5°	5.4
150°	5.4
152.5°	5.4
155°	5.4
157.5°	5.4
160°	4.7
162.5°	4.7
165°	4.7
167.5°	4.7
170°	4.7
172.5°	4.0
175°	4.0
177.5°	3.4
180°	5.4



'218823
XTOR6BRL-Y

TION (continued):

170°	175°	180°
6.7	6.1	6.1
6.1	5.4	6.1
6.1	6.1	6.1
6.7	6.1	6.1
6.1	6.1	6.1
6.1	6.1	6.1
6.1	6.1	6.7
6.1	6.1	6.1
5.4	6.1	6.1
5.4	6.1	6.1
5.4	6.1	5.4
5.4	5.4	6.1
5.4	5.4	5.4
5.4	5.4	5.4
5.4	5.4	5.4
5.4	5.4	5.4
5.4	5.4	5.4
5.4	5.4	5.4
5.4	5.4	5.4
4.7	4.7	5.4
4.7	4.7	4.7
4.7	4.7	4.7
4.7	4.0	4.7
4.0	4.0	4.0
4.0	4.0	4.0
4.0	4.0	4.0
3.4	3.4	3.4
5.4	5.4	5.4

(END OF REPORT)