

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: McGRAW-EDISON

Report Number: P197745

Luminaire Tested: **TT-C6-LED-E1-WQ-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115483)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-WQ-LWR-LW-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7813.1 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 108
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



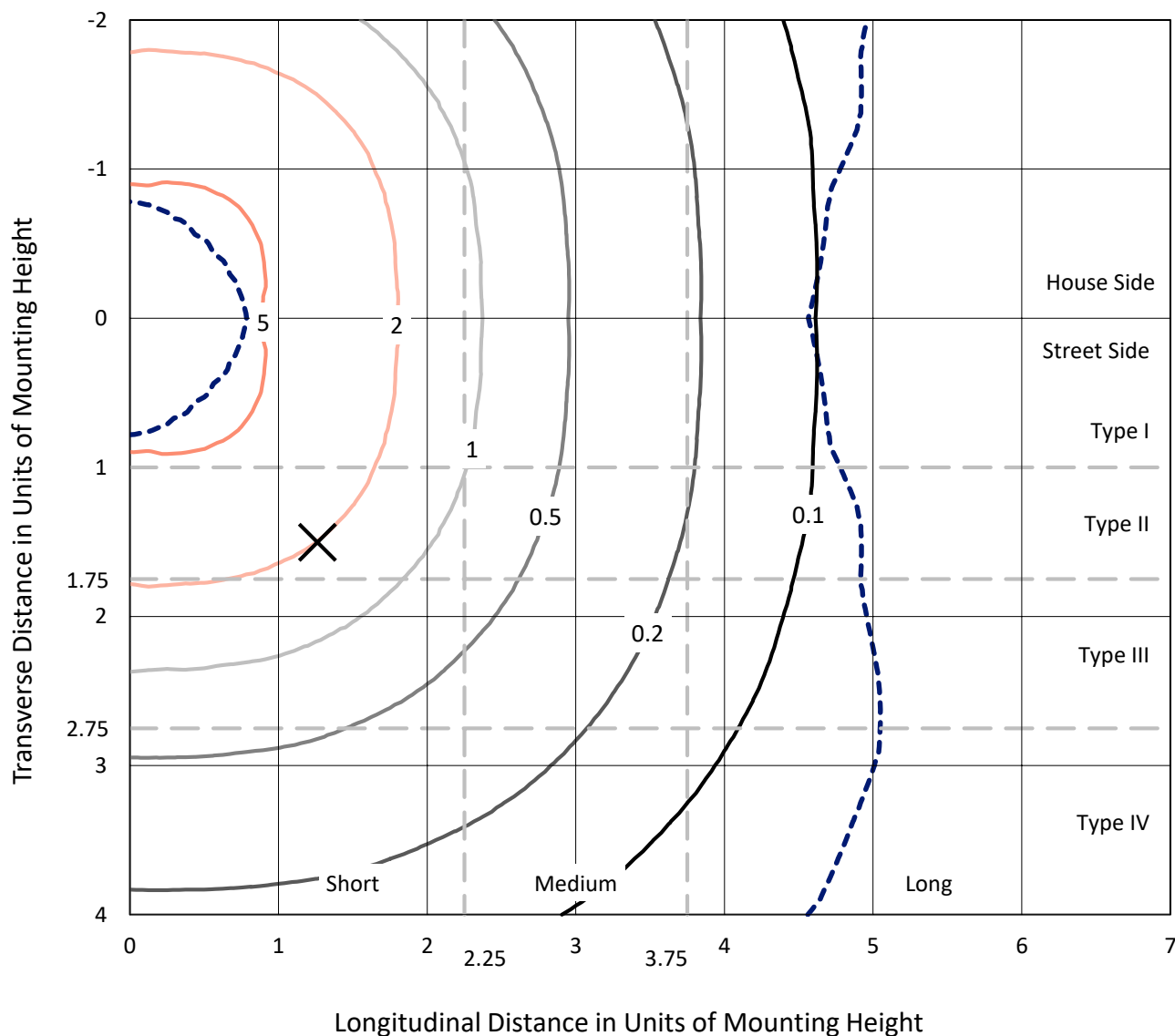
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

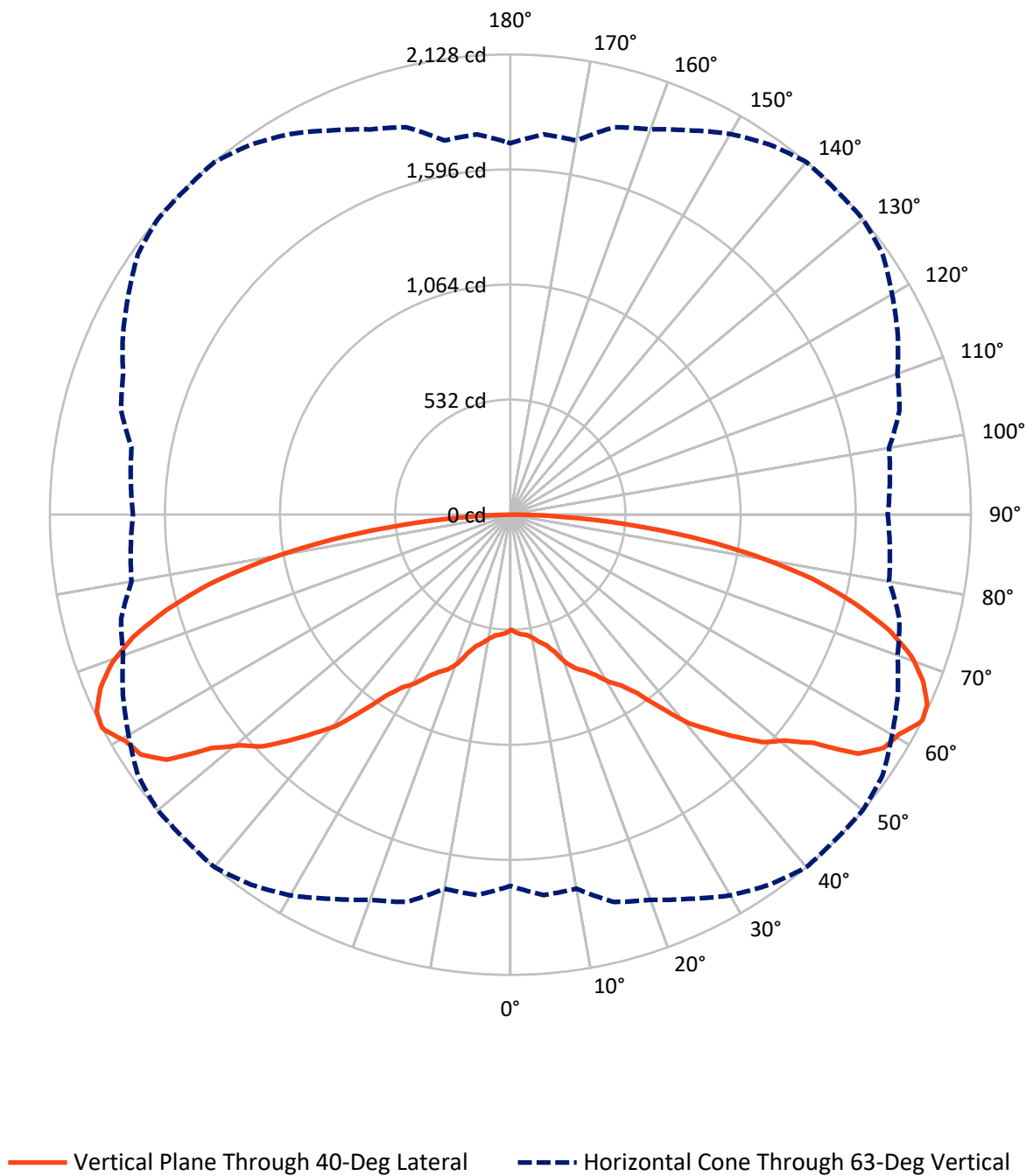


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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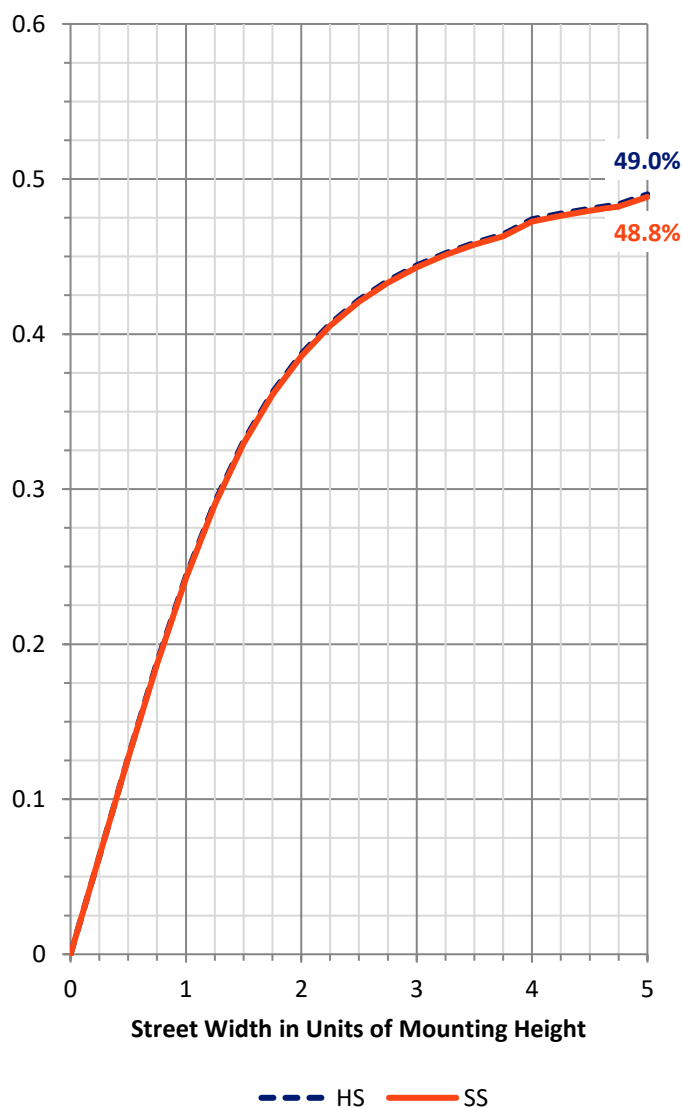
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3906.5	0.0	3906.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3906.5	0.0	3906.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7813.1	0.0	7813.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	0.7
10°-20°	182.5	2.3
20°-30°	371.1	4.7
30°-40°	639.6	8.2
40°-50°	1077.4	13.8
50°-60°	1586.5	20.3
60°-70°	1886.6	24.1
70°-80°	1527.2	19.5
80°-90°	488.6	6.3
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°	7813.1	100.0
0°-180°	7813.1	100.0

Coefficient of Utilization



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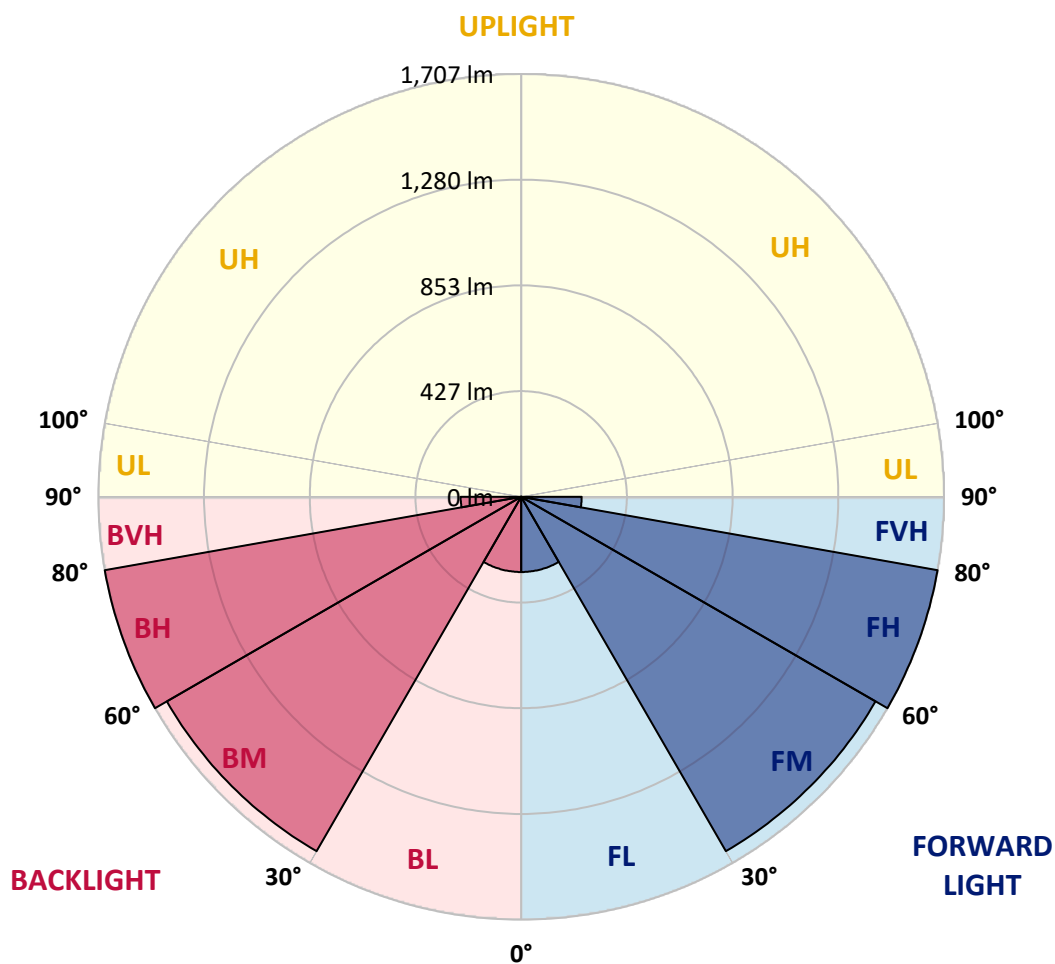
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.6	3.9			
FM	(30°-60°)	1651.7	21.1			
FH	(60°-80°)	1706.9	21.8			G1/1800
FVH	(80°-90°)	244.3	3.1			G3/500
BL	(0°-30°)	303.6	3.9	B1/500		
BM	(30°-60°)	1651.7	21.1	B2/2500		
BH	(60°-80°)	1706.9	21.8	B3/2500		G1/1800
BVH	(80°-90°)	244.3	3.1			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	531.9	531.9	531.9	531.9	531.9	531.9	531.9	531.9	531.9	531.9	531.9
2.5°	548.6	548.6	548.6	548.6	548.6	548.6	547.0	548.6	547.0	547.0	547.0
5°	559.2	559.2	559.2	559.2	557.6	557.6	556.1	556.1	556.1	554.6	556.1
7.5°	563.7	563.7	563.7	563.7	562.2	562.2	562.2	562.2	562.2	562.2	562.2
10°	574.3	574.3	575.8	577.3	580.2	580.2	580.2	581.9	580.2	580.2	580.2
12.5°	597.0	595.5	598.4	601.4	604.6	606.1	606.1	606.1	604.6	604.6	606.1
15°	628.7	625.6	627.2	628.7	630.2	631.7	631.7	630.2	627.2	627.2	627.2
17.5°	669.4	665.0	663.5	662.0	662.0	665.0	667.9	666.4	667.9	666.4	667.9
20°	717.9	714.8	714.8	714.8	716.2	722.4	728.5	731.5	730.0	726.8	731.5
22.5°	749.5	751.2	758.6	757.1	755.6	761.7	769.2	775.3	772.2	767.7	770.7
25°	784.4	784.4	794.8	799.5	794.8	794.8	798.0	802.4	799.5	796.5	799.5
27.5°	823.6	823.6	828.1	832.7	829.7	829.7	834.2	841.8	840.2	838.7	840.2
30°	870.5	864.5	859.9	867.5	875.1	876.6	881.0	893.1	896.1	894.6	897.8
32.5°	914.3	905.2	908.3	912.8	929.4	935.5	934.0	943.1	941.4	937.0	943.1
35°	956.7	967.2	973.2	982.3	988.4	995.9	995.9	1012.6	1015.6	1011.1	1015.6
37.5°	1038.2	1042.7	1059.4	1060.9	1068.5	1097.1	1100.3	1122.9	1135.0	1128.9	1130.4
40°	1150.1	1148.6	1160.7	1178.7	1193.9	1230.1	1240.7	1255.8	1266.4	1261.9	1267.9
42.5°	1240.7	1228.7	1237.8	1277.0	1293.7	1320.8	1334.4	1342.0	1361.7	1355.6	1363.2
45°	1305.8	1310.2	1322.3	1361.7	1372.3	1394.9	1426.5	1440.3	1465.9	1458.3	1462.9
47.5°	1369.1	1390.3	1400.9	1419.1	1452.4	1482.5	1521.8	1535.4	1571.6	1568.7	1564.2
50°	1452.4	1468.9	1481.0	1494.5	1540.0	1589.8	1623.1	1629.1	1641.1	1632.2	1647.3
52.5°	1541.5	1540.0	1550.5	1588.4	1651.7	1671.4	1700.2	1727.3	1753.0	1762.1	1753.0
55°	1659.3	1621.6	1665.5	1719.7	1747.0	1793.8	1863.3	1901.2	1951.0	1958.6	1943.4
57.5°	1707.6	1707.6	1753.0	1784.7	1834.7	1917.8	1991.9	2009.9	2035.6	2022.0	2037.2
60°	1701.7	1759.1	1759.1	1815.0	1896.6	1970.7	1997.9	2028.1	2062.9	2061.4	2061.4
62.5°	1709.3	1765.1	1750.0	1846.8	1896.6	1957.0	2017.5	2073.5	2121.8	2120.3	2118.8
63°	1716.7	1765.1	1756.1	1854.2	1895.1	1960.1	2032.6	2088.5	2127.9	2124.8	2126.2
65°	1739.4	1725.8	1780.3	1842.2	1889.0	1985.8	2046.2	2090.0	2117.3	2115.8	2115.8
67.5°	1697.1	1665.5	1742.4	1766.7	1855.9	1941.9	1988.8	2038.7	2058.2	2058.2	2055.3
70°	1567.2	1580.7	1633.7	1672.9	1763.6	1840.7	1880.0	1943.4	1967.6	1967.6	1966.1
72.5°	1435.6	1458.3	1494.5	1550.5	1636.7	1697.1	1744.0	1801.5	1833.1	1831.6	1831.6
75°	1267.9	1289.0	1331.4	1384.3	1459.8	1518.9	1556.6	1611.0	1647.3	1660.8	1645.8
77.5°	1079.1	1085.0	1124.4	1178.7	1245.2	1286.1	1343.5	1396.4	1426.5	1425.1	1420.6
80°	849.3	856.9	890.1	952.0	988.4	1036.7	1089.7	1118.3	1143.9	1143.9	1141.0
82.5°	586.4	602.9	636.2	677.0	714.8	757.1	785.9	814.5	835.7	834.2	829.7
85°	330.9	338.5	370.3	395.9	424.7	451.9	471.5	489.6	507.8	507.8	504.8
87.5°	99.8	89.2	107.4	117.8	133.0	146.6	155.7	173.7	185.8	172.2	172.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	531.9	531.9	531.9	531.9	531.9	531.9	531.9	531.9
2.5°	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6
5°	556.1	557.6	557.6	559.2	559.2	559.2	559.2	559.2
7.5°	562.2	562.2	562.2	562.2	563.7	563.7	563.7	563.7
10°	580.2	581.9	580.2	580.2	577.3	575.8	575.8	575.8
12.5°	606.1	607.5	607.5	604.6	601.4	598.4	597.0	595.5
15°	630.2	634.7	631.7	630.2	627.2	628.7	628.7	630.2
17.5°	667.9	669.4	665.0	662.0	660.5	663.5	666.4	667.9
20°	733.0	730.0	720.9	717.9	714.8	714.8	717.9	717.9
22.5°	773.8	766.2	760.1	757.1	757.1	757.1	752.6	746.5
25°	802.4	798.0	793.3	796.5	799.5	794.8	784.4	782.8
27.5°	841.8	832.7	831.2	829.7	831.2	828.1	826.6	820.6
30°	893.1	881.0	878.1	875.1	866.0	862.8	866.0	870.5
32.5°	941.4	934.0	937.0	931.0	914.3	908.3	911.3	909.8
35°	1011.1	997.4	997.4	985.3	980.8	979.3	967.2	956.7
37.5°	1121.3	1103.2	1098.6	1071.5	1059.4	1062.4	1045.8	1033.8
40°	1255.8	1242.2	1230.1	1199.9	1183.3	1162.1	1151.6	1151.6
42.5°	1345.0	1335.9	1319.3	1298.1	1279.9	1243.7	1230.1	1237.8
45°	1443.3	1431.2	1396.4	1375.2	1358.5	1332.9	1317.8	1302.6
47.5°	1543.0	1526.3	1485.6	1458.3	1419.1	1411.5	1394.9	1373.8
50°	1630.7	1624.6	1595.8	1550.5	1500.7	1488.6	1473.5	1453.8
52.5°	1737.9	1701.7	1677.5	1657.8	1601.9	1562.7	1541.5	1550.5
55°	1913.3	1868.0	1805.9	1744.0	1732.0	1685.0	1632.2	1660.8
57.5°	2014.6	1988.8	1941.9	1843.6	1795.3	1763.6	1728.8	1703.2
60°	2038.7	1991.9	1981.3	1907.2	1830.1	1763.6	1777.3	1716.7
62.5°	2085.5	2022.0	1963.1	1904.2	1857.4	1766.7	1763.6	1732.0
63°	2100.6	2037.2	1975.2	1904.2	1861.8	1777.3	1760.6	1744.0
65°	2097.6	2043.2	1996.4	1904.2	1840.7	1807.4	1725.8	1763.6
67.5°	2040.2	1994.9	1940.4	1876.9	1771.2	1745.5	1688.1	1695.6
70°	1948.0	1889.0	1837.7	1778.8	1694.1	1635.2	1600.4	1571.6
72.5°	1804.4	1751.5	1697.1	1642.8	1567.2	1496.2	1471.9	1440.3
75°	1614.0	1562.7	1512.7	1461.5	1390.3	1326.9	1301.1	1278.5
77.5°	1396.4	1352.6	1281.6	1233.1	1192.4	1124.4	1100.3	1075.9
80°	1113.8	1092.7	1041.2	977.8	956.7	890.1	871.9	840.2
82.5°	810.1	788.9	748.0	704.2	678.5	643.8	613.5	592.5
85°	494.2	471.5	450.4	411.0	395.9	370.3	346.1	334.1
87.5°	178.4	160.2	143.6	125.4	116.3	98.3	95.1	86.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)