

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: P197841

Luminaire Tested: **TT-C6-LED-E1-WQ-CG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115513)
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-CG-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8001 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

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

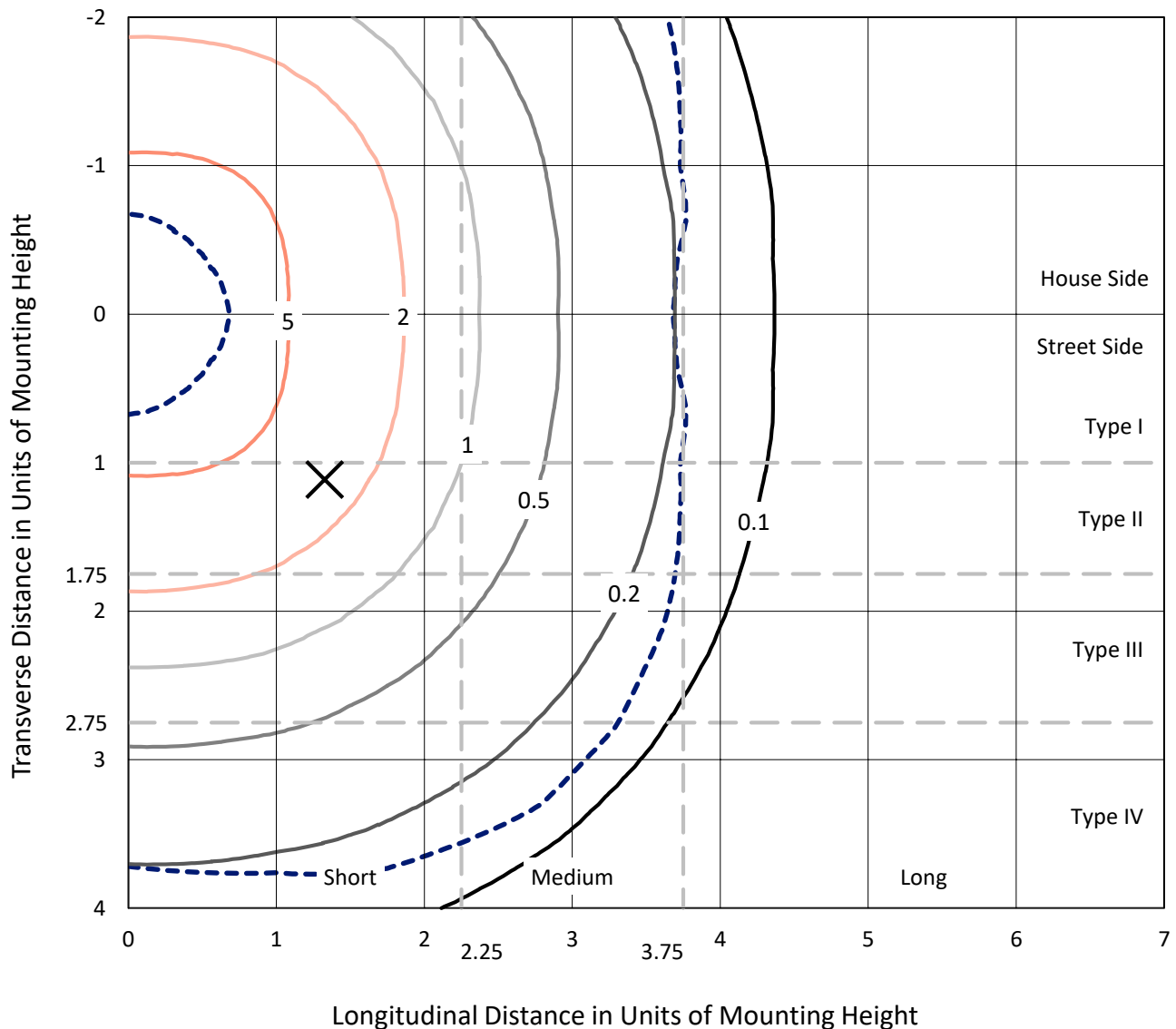


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

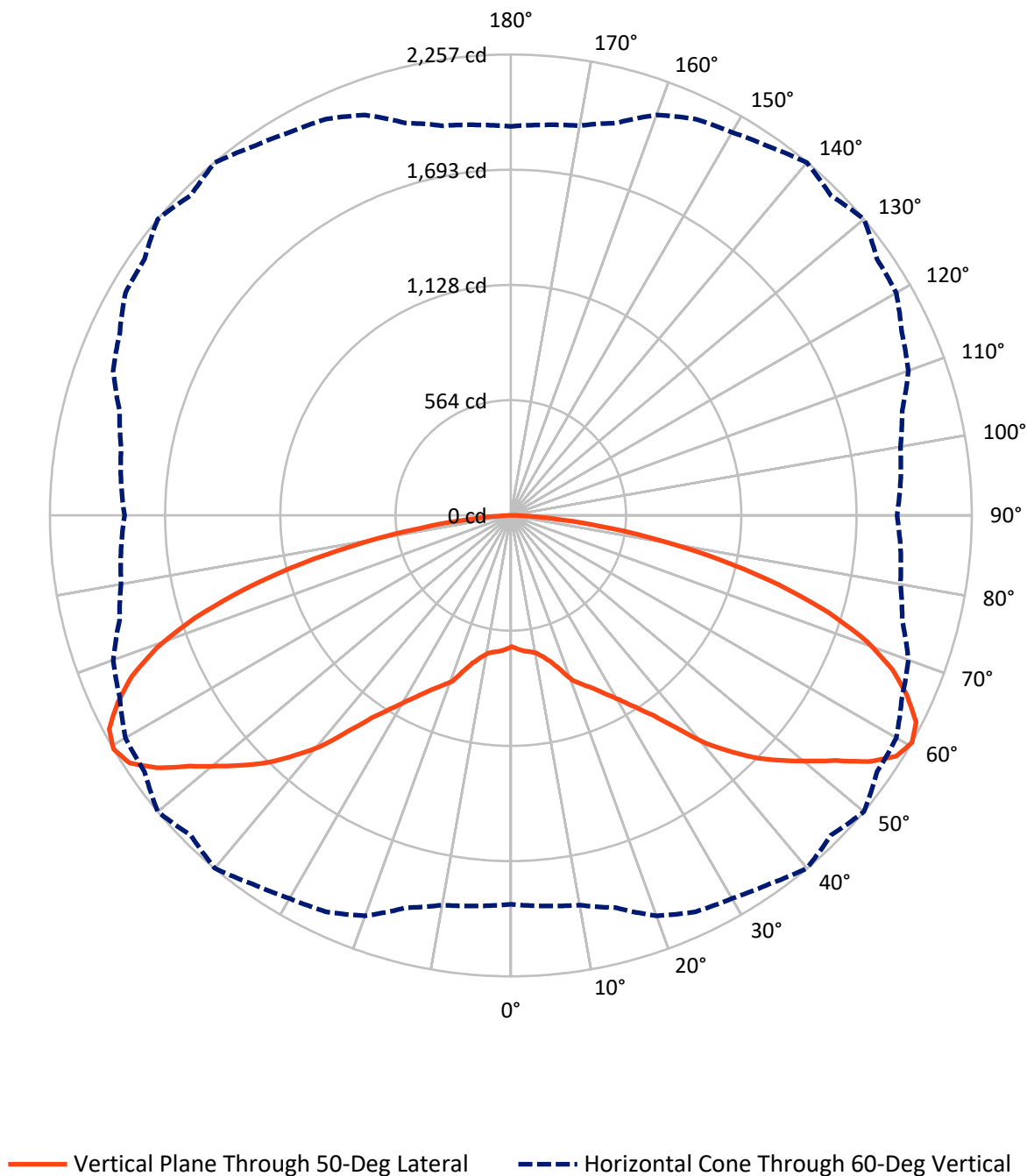


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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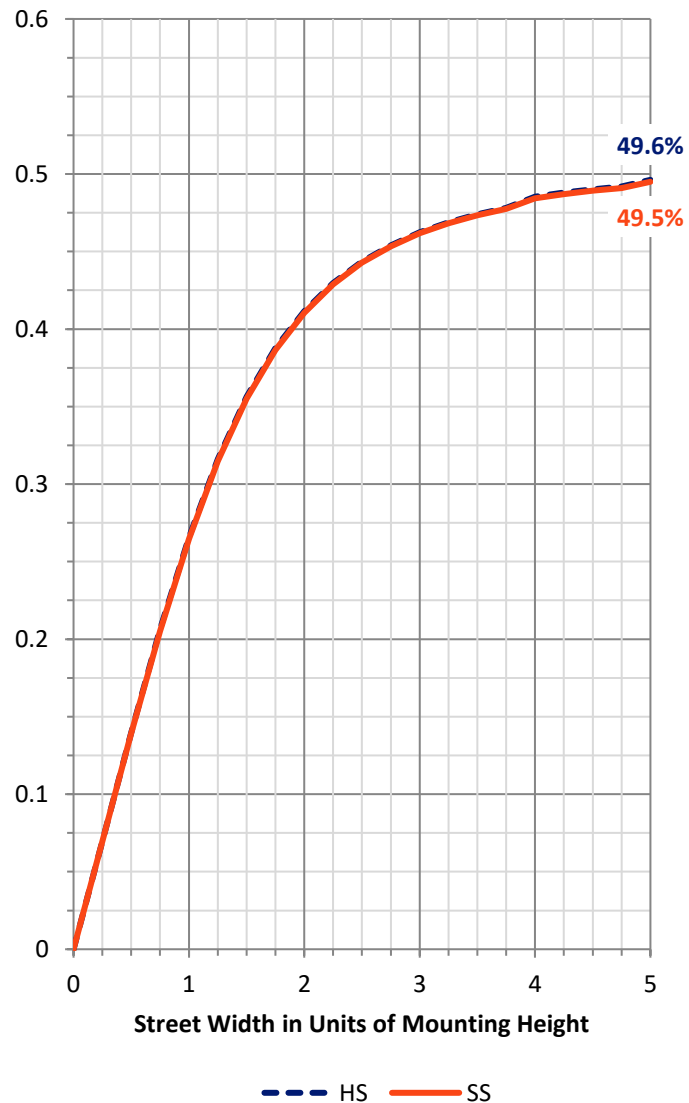
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4000.5	0.0	4000.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4000.5	0.0	4000.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8001.0	0.0	8001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	0.8
10°-20°	215.9	2.7
20°-30°	435.8	5.4
30°-40°	753.2	9.4
40°-50°	1251.1	15.6
50°-60°	1778.0	22.2
60°-70°	1942.1	24.3
70°-80°	1290.2	16.1
80°-90°	270.8	3.4
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°	8001.0	100.0
0°-180°	8001.0	100.0

Coefficient of Utilization



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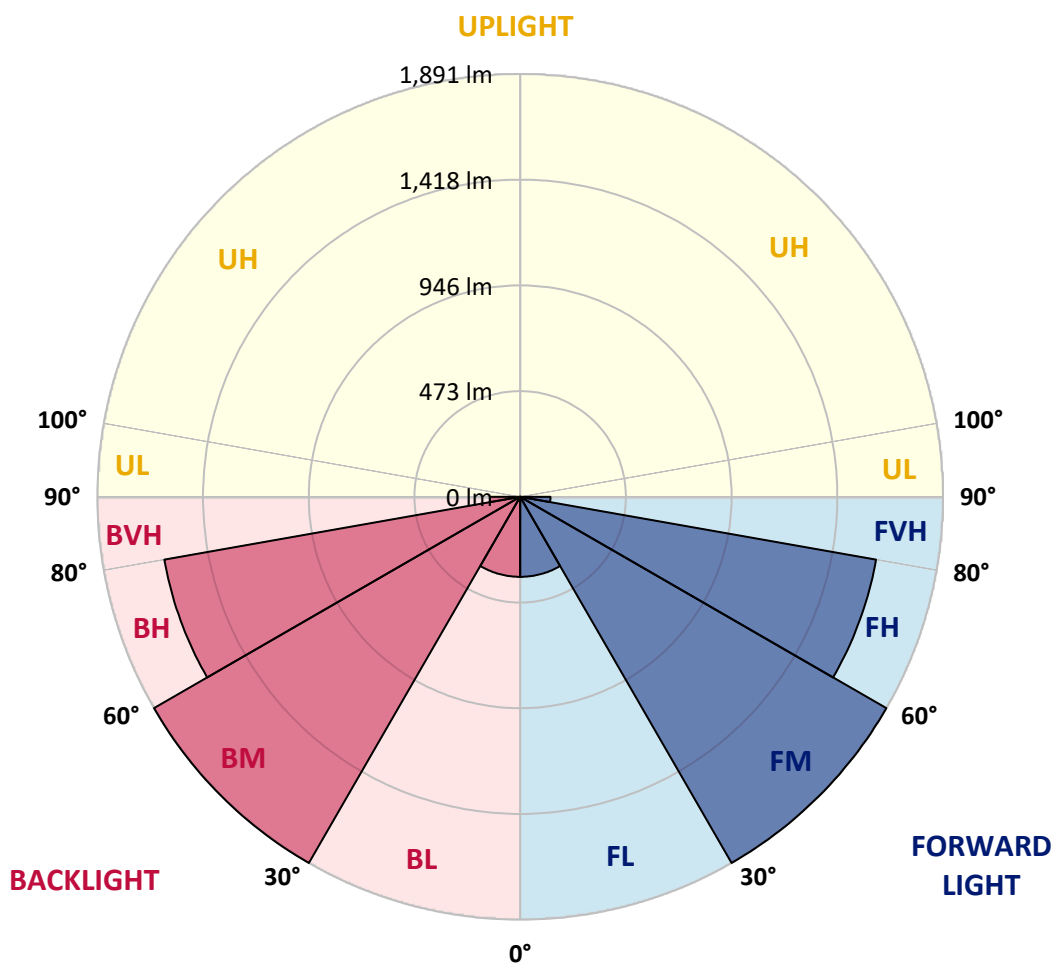
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	357.8	4.5			
FM	(30°-60°)	1891.2	23.6			
FH	(60°-80°)	1616.1	20.2			G1/1800
FVH	(80°-90°)	135.4	1.7			G2/225
BL	(0°-30°)	357.8	4.5	B1/500		
BM	(30°-60°)	1891.2	23.6	B2/2500		
BH	(60°-80°)	1616.1	20.2	B3/2500		G1/1800
BVH	(80°-90°)	135.4	1.7			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0
2.5°	655.2	655.2	655.2	655.2	655.2	655.2	655.2	655.2	653.5	655.2	655.2
5°	661.8	661.8	661.8	663.5	663.5	663.5	665.1	665.1	665.1	666.8	666.8
7.5°	666.8	666.8	666.8	666.8	668.4	668.4	668.4	670.1	670.1	671.7	673.4
10°	688.3	688.3	688.3	688.3	688.3	686.6	686.6	686.6	685.0	685.0	685.0
12.5°	714.8	716.4	718.1	718.1	718.1	718.1	714.8	711.4	711.4	711.4	711.4
15°	739.6	741.2	742.9	746.2	747.8	749.5	749.5	749.5	749.5	749.5	746.2
17.5°	779.3	780.9	780.9	782.6	784.2	784.2	785.9	790.9	797.5	800.8	797.5
20°	840.5	843.8	845.5	845.5	847.1	845.5	848.8	852.1	857.0	860.4	862.0
22.5°	885.2	888.5	893.4	893.4	893.4	891.8	895.1	896.8	895.1	895.1	898.4
25°	919.9	923.2	926.5	928.2	931.5	938.1	944.7	944.7	939.8	938.1	938.1
27.5°	964.6	969.6	969.6	971.2	974.5	979.5	986.1	991.1	994.4	991.1	989.4
30°	1022.5	1025.8	1027.5	1025.8	1032.4	1034.1	1035.7	1039.0	1049.0	1055.6	1047.3
32.5°	1067.2	1072.1	1077.1	1083.7	1098.6	1105.2	1103.6	1106.9	1110.2	1116.8	1118.5
35°	1135.0	1143.3	1144.9	1149.9	1168.1	1178.0	1192.9	1201.2	1199.5	1191.3	1202.8
37.5°	1237.6	1247.5	1249.2	1257.4	1275.6	1283.9	1300.5	1322.0	1326.9	1315.4	1322.0
40°	1345.1	1358.4	1370.0	1388.2	1417.9	1427.9	1447.7	1459.3	1475.8	1477.5	1465.9
42.5°	1436.1	1451.0	1451.0	1482.5	1515.6	1543.7	1568.5	1570.2	1581.7	1598.3	1581.7
45°	1533.8	1545.3	1550.3	1576.8	1596.6	1633.0	1669.4	1682.7	1687.6	1690.9	1695.9
47.5°	1623.1	1638.0	1643.0	1666.1	1687.6	1720.7	1743.9	1783.6	1793.5	1780.3	1793.5
50°	1679.4	1695.9	1709.1	1757.1	1795.2	1823.3	1843.1	1877.9	1897.7	1887.8	1889.5
52.5°	1767.0	1772.0	1785.2	1811.7	1866.3	1942.4	1965.6	1977.2	2005.3	2020.2	1993.7
55°	1886.2	1902.7	1912.6	1944.1	1972.2	2026.8	2114.5	2132.7	2126.1	2172.4	2127.7
57.5°	1906.0	1930.8	1962.3	2021.8	2071.5	2101.3	2155.9	2218.7	2217.1	2223.7	2225.3
60°	1904.4	1919.3	1937.5	1988.7	2086.4	2141.0	2165.8	2203.8	2255.1	2215.4	2256.8
62.5°	1892.8	1914.3	1934.1	1970.5	2023.5	2101.3	2170.7	2165.8	2235.3	2203.8	2227.0
65°	1823.3	1843.1	1879.5	1927.5	1992.1	2028.5	2097.9	2142.6	2132.7	2175.7	2132.7
67.5°	1702.5	1720.7	1750.5	1806.7	1874.6	1927.5	1952.3	2026.8	2018.5	2066.5	2015.2
70°	1537.1	1560.2	1595.0	1634.7	1700.9	1757.1	1785.2	1833.2	1856.4	1853.1	1849.8
72.5°	1338.5	1358.4	1386.5	1429.5	1485.8	1540.4	1561.9	1598.3	1636.3	1624.8	1628.1
75°	1116.8	1133.4	1154.9	1181.3	1234.3	1277.3	1302.1	1335.2	1365.0	1356.7	1353.4
77.5°	860.4	880.2	903.4	928.2	949.7	989.4	1007.6	1030.8	1055.6	1050.6	1052.3
80°	602.2	618.8	633.7	660.2	676.7	689.9	709.8	719.7	737.9	734.6	739.6
82.5°	367.3	378.9	388.8	402.1	416.9	413.6	415.3	426.9	441.8	433.5	446.7
85°	180.3	178.7	188.6	191.9	201.9	200.2	198.5	205.2	213.4	208.5	208.5
87.5°	46.3	46.3	46.3	48.0	52.9	57.9	52.9	56.3	59.6	61.2	59.6
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°	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0
2.5°	653.5	655.2	653.5	655.2	655.2	655.2	655.2	653.5
5°	666.8	665.1	665.1	665.1	663.5	661.8	661.8	661.8
7.5°	673.4	673.4	671.7	670.1	668.4	668.4	671.7	670.1
10°	688.3	689.9	691.6	693.2	691.6	689.9	689.9	688.3
12.5°	711.4	713.1	716.4	719.7	719.7	718.1	714.8	713.1
15°	744.5	742.9	744.5	747.8	747.8	742.9	737.9	736.3
17.5°	790.9	785.9	782.6	782.6	785.9	780.9	776.0	777.6
20°	855.4	847.1	845.5	840.5	845.5	845.5	837.2	837.2
22.5°	901.7	895.1	888.5	883.5	890.1	893.4	885.2	878.6
25°	944.7	943.1	933.2	928.2	928.2	929.8	918.3	919.9
27.5°	987.8	987.8	981.1	972.9	969.6	974.5	964.6	961.3
30°	1039.0	1034.1	1039.0	1027.5	1019.2	1024.2	1024.2	1017.5
32.5°	1105.2	1098.6	1103.6	1090.3	1078.8	1077.1	1068.8	1058.9
35°	1199.5	1183.0	1174.7	1168.1	1144.9	1143.3	1141.6	1133.4
37.5°	1318.7	1297.2	1279.0	1280.6	1247.5	1239.2	1239.2	1227.7
40°	1461.0	1447.7	1421.2	1411.3	1378.2	1356.7	1355.1	1333.6
42.5°	1560.2	1565.2	1530.4	1507.3	1480.8	1447.7	1449.4	1426.2
45°	1669.4	1659.5	1628.1	1590.0	1578.4	1542.0	1543.7	1520.5
47.5°	1773.7	1737.3	1720.7	1679.4	1661.2	1619.8	1624.8	1608.2
50°	1876.2	1836.5	1818.3	1773.7	1743.9	1700.9	1695.9	1661.2
52.5°	1985.4	1947.4	1922.6	1858.0	1818.3	1785.2	1772.0	1755.5
55°	2127.7	2089.7	2028.5	1965.6	1935.8	1884.5	1879.5	1858.0
57.5°	2190.6	2160.8	2096.3	2054.9	1995.4	1942.4	1922.6	1881.2
60°	2188.9	2179.0	2112.8	2071.5	1983.8	1937.5	1915.9	1891.1
62.5°	2170.7	2159.2	2081.4	2035.1	1955.7	1915.9	1899.4	1868.0
65°	2134.3	2094.6	2025.1	1987.1	1901.1	1866.3	1829.9	1801.8
67.5°	2031.8	1949.0	1917.6	1869.6	1785.2	1748.8	1714.1	1686.0
70°	1839.8	1778.6	1750.5	1690.9	1618.1	1595.0	1552.0	1520.5
72.5°	1595.0	1561.9	1532.1	1467.6	1416.3	1393.1	1350.1	1323.6
75°	1323.6	1303.8	1262.4	1214.4	1168.1	1159.8	1113.5	1103.6
77.5°	1027.5	1009.3	976.2	941.4	919.9	903.4	862.0	858.7
80°	719.7	708.1	681.7	666.8	651.9	637.0	608.9	605.6
82.5°	425.2	416.9	418.6	403.7	395.4	392.1	370.6	372.3
85°	205.2	198.5	198.5	198.5	190.3	188.6	175.4	177.0
87.5°	59.6	52.9	52.9	52.9	49.6	49.6	43.0	44.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)