

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: P197817

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115528)
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-LWR-LW-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7474.9 lumens
Efficiency: N/A
Efficacy: 69.2 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

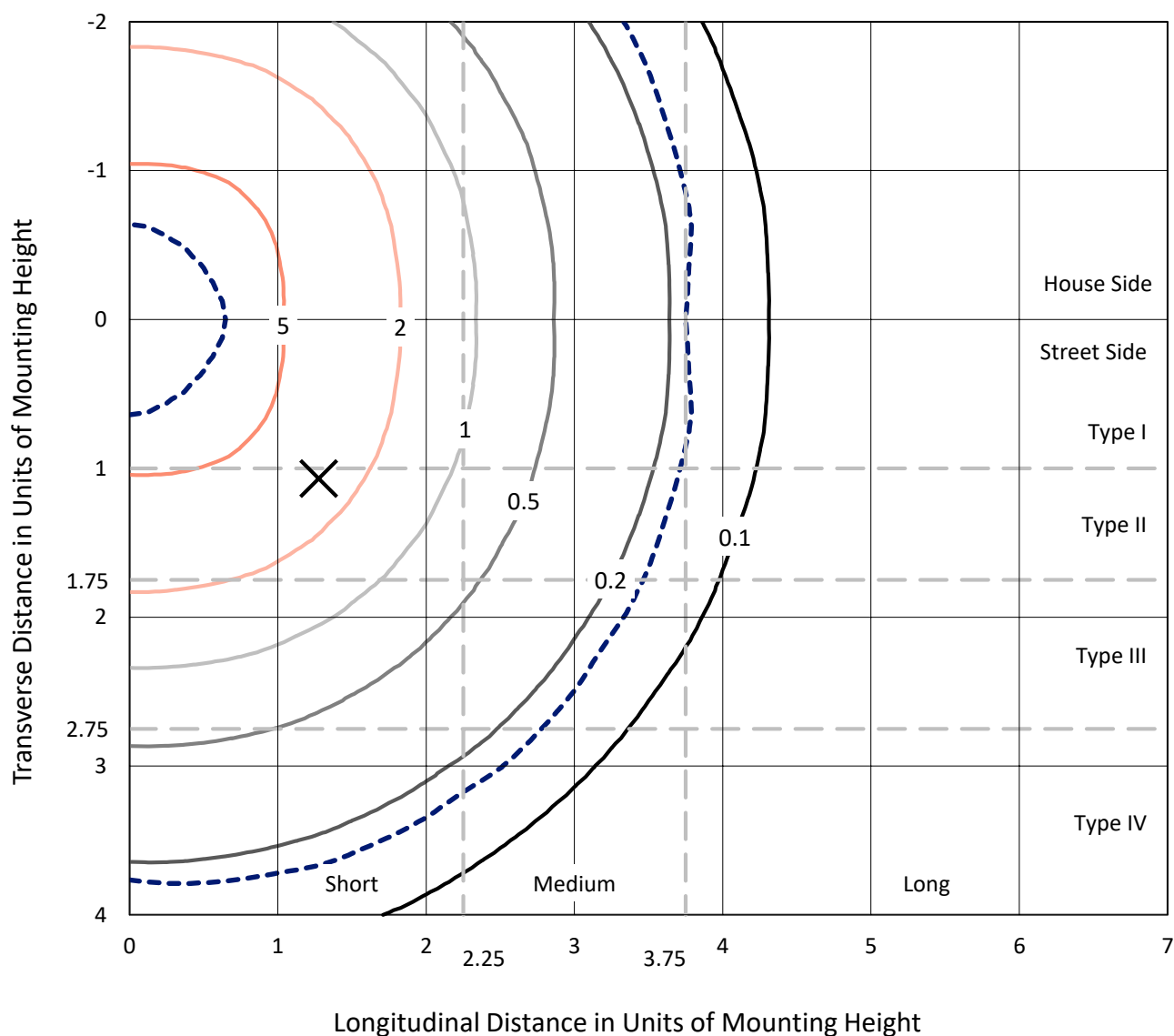


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

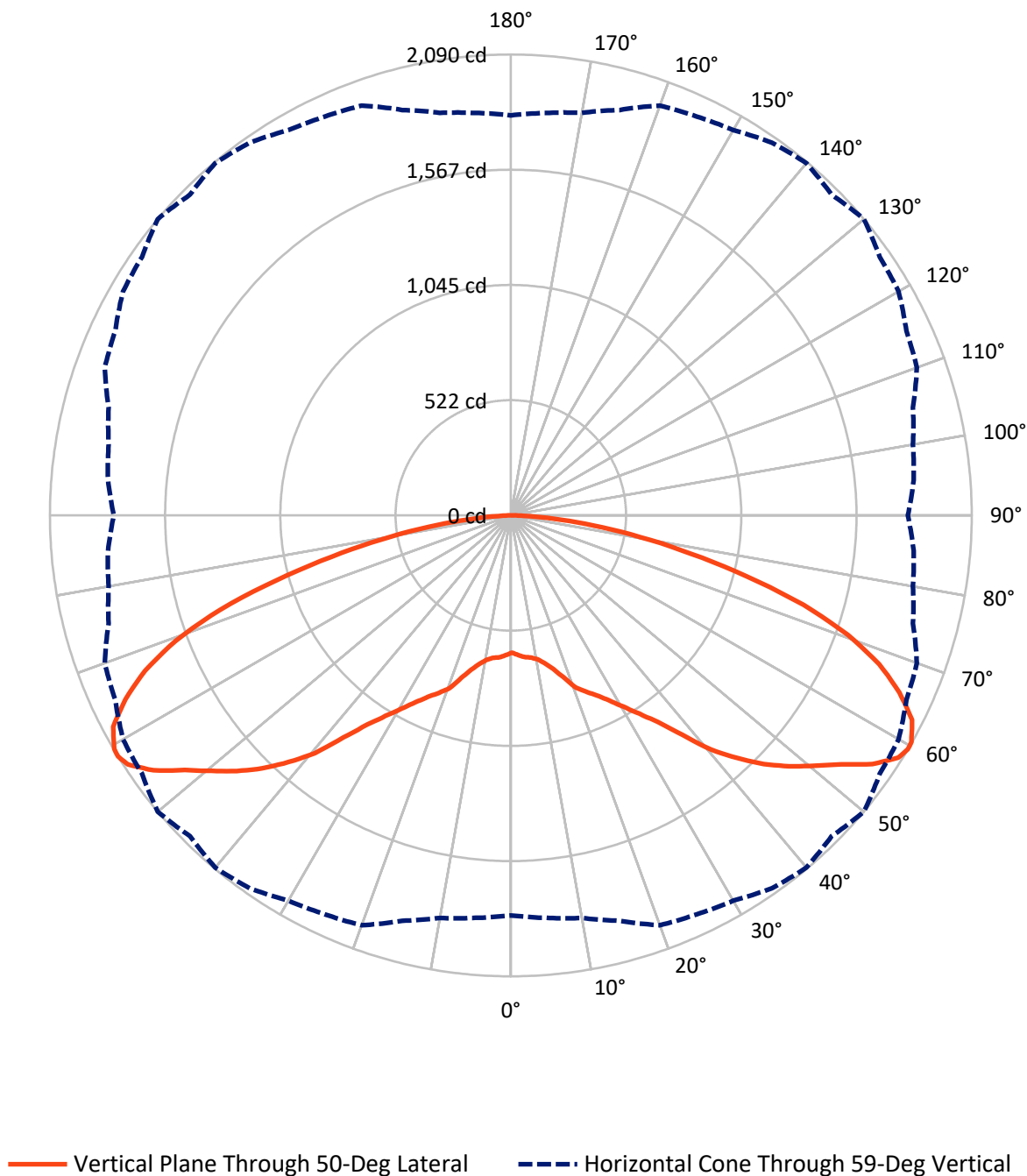


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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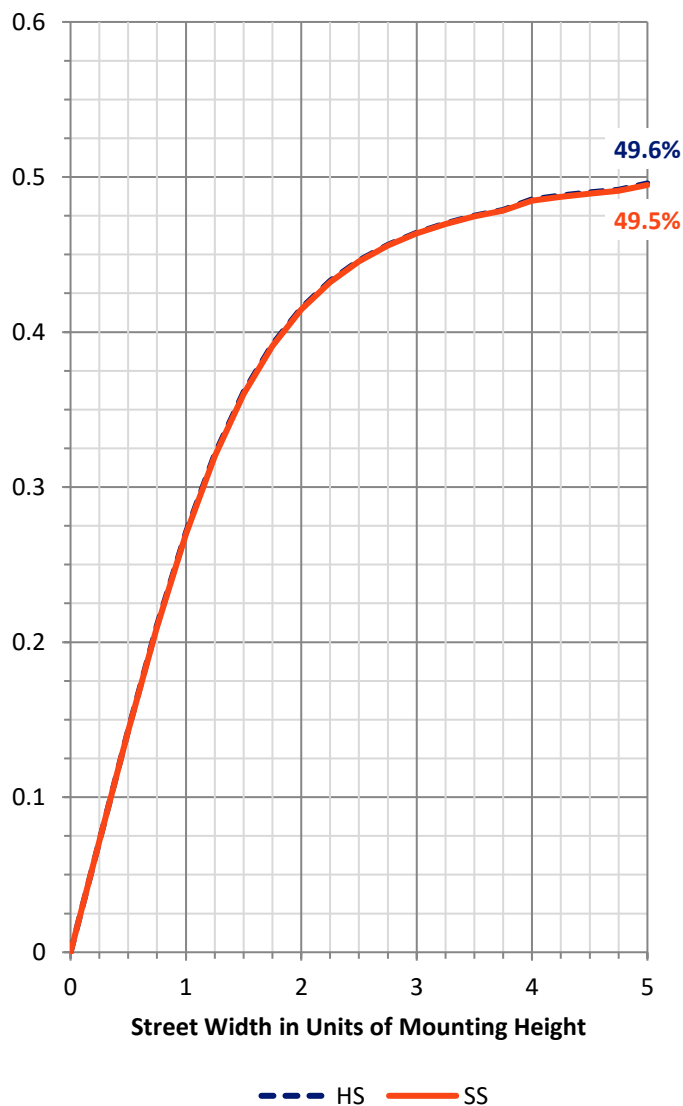
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3737.5	0.0	3737.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3737.5	0.0	3737.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7474.9	0.0	7474.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	0.8
10°-20°	208.8	2.8
20°-30°	420.2	5.6
30°-40°	723.0	9.7
40°-50°	1193.6	16.0
50°-60°	1680.7	22.5
60°-70°	1798.0	24.1
70°-80°	1142.1	15.3
80°-90°	246.8	3.3
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°	7474.9	100.0
0°-180°	7474.9	100.0

Coefficient of Utilization



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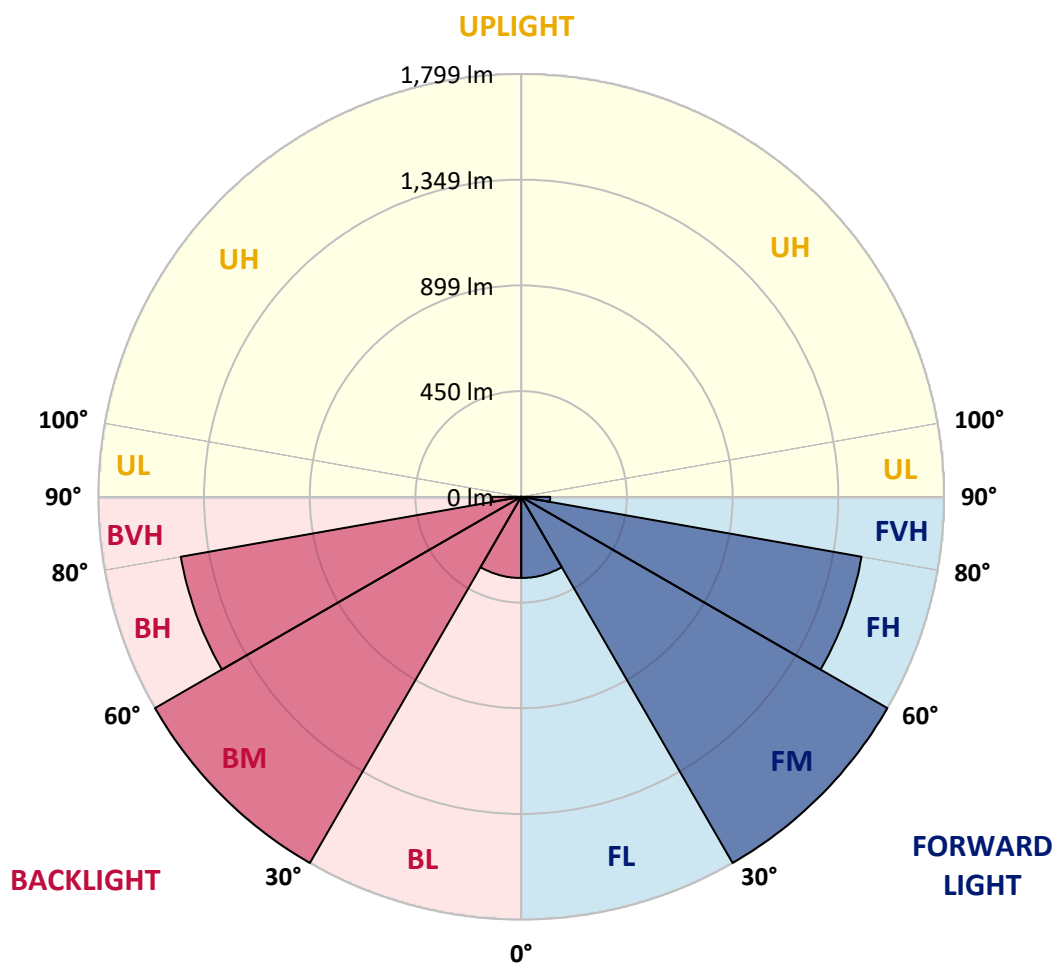
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.4	4.6			
FM	(30°-60°)	1798.6	24.1			
FH	(60°-80°)	1470.1	19.7			G1/1800
FVH	(80°-90°)	123.4	1.7			G2/225
BL	(0°-30°)	345.4	4.6	B1/500		
BM	(30°-60°)	1798.6	24.1	B2/2500		
BH	(60°-80°)	1470.1	19.7	B3/2500		G1/1800
BVH	(80°-90°)	123.4	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°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	635.3	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7
5°	638.6	638.6	640.3	640.3	642.0	642.0	642.0	643.6	643.6	643.6	645.3
7.5°	645.3	643.6	645.3	645.3	645.3	646.9	646.9	646.9	648.6	650.2	650.2
10°	666.8	665.1	666.8	666.8	666.8	663.5	663.5	665.1	663.5	663.5	663.5
12.5°	691.6	691.6	693.2	694.9	694.9	693.2	691.6	689.9	688.3	688.3	688.3
15°	714.8	716.4	718.1	721.4	723.0	723.0	724.7	726.3	724.7	724.7	723.0
17.5°	751.2	754.5	756.1	757.8	757.8	757.8	761.1	766.0	771.0	774.3	771.0
20°	812.4	814.0	817.3	817.3	815.7	817.3	820.6	822.3	825.6	828.9	830.6
22.5°	853.7	857.0	862.0	862.0	860.4	862.0	865.3	865.3	862.0	863.7	867.0
25°	888.5	890.1	893.4	895.1	896.8	905.0	911.6	910.0	903.4	905.0	903.4
27.5°	929.8	933.2	936.5	936.5	936.5	941.4	948.0	951.4	956.3	954.7	949.7
30°	984.4	989.4	991.1	989.4	992.7	997.7	996.0	999.3	1007.6	1015.9	1006.0
32.5°	1027.5	1032.4	1037.4	1044.0	1055.6	1062.2	1058.9	1060.6	1065.5	1072.1	1072.1
35°	1092.0	1100.3	1103.6	1105.2	1116.8	1130.0	1140.0	1148.2	1146.6	1141.6	1149.9
37.5°	1189.6	1197.9	1201.2	1207.8	1222.7	1226.0	1240.9	1260.8	1267.4	1260.8	1260.8
40°	1293.8	1302.1	1318.7	1333.6	1356.7	1361.7	1379.9	1388.2	1404.7	1406.4	1396.4
42.5°	1379.9	1389.8	1393.1	1417.9	1449.4	1472.5	1492.4	1494.0	1505.6	1515.6	1504.0
45°	1472.5	1480.8	1485.8	1508.9	1525.5	1553.6	1585.0	1598.3	1603.2	1601.6	1608.2
47.5°	1558.6	1570.2	1575.1	1593.3	1613.2	1636.3	1654.5	1692.6	1700.9	1684.3	1699.2
50°	1611.5	1624.8	1636.3	1676.0	1710.8	1729.0	1743.9	1775.3	1793.5	1778.6	1783.6
52.5°	1694.2	1697.6	1707.5	1724.0	1775.3	1836.5	1853.1	1863.0	1889.5	1897.7	1874.6
55°	1806.7	1818.3	1826.6	1848.1	1869.6	1912.6	1985.4	1998.7	1992.1	2031.8	1990.4
57.5°	1823.3	1844.8	1869.6	1917.6	1960.6	1973.9	2016.9	2068.2	2063.2	2068.2	2071.5
59°	1813.4	1831.6	1853.1	1902.7	1977.2	1995.4	2016.9	2063.2	2084.7	2056.6	2089.7
60°	1816.7	1829.9	1841.5	1881.2	1960.6	2002.0	2015.2	2043.3	2084.7	2046.7	2086.4
62.5°	1803.4	1820.0	1833.2	1856.4	1894.4	1952.3	2003.6	1990.4	2050.0	2020.2	2041.7
65°	1732.3	1750.5	1777.0	1810.1	1854.7	1871.3	1922.6	1950.7	1937.5	1970.5	1935.8
67.5°	1613.2	1629.7	1646.3	1686.0	1735.6	1757.1	1770.4	1821.6	1803.4	1841.5	1801.8
70°	1454.3	1472.5	1495.7	1517.2	1561.9	1580.1	1595.0	1618.1	1624.8	1624.8	1621.4
72.5°	1264.1	1279.0	1293.8	1315.4	1341.8	1358.4	1365.0	1370.0	1396.4	1386.5	1388.2
75°	1049.0	1063.9	1070.5	1078.8	1097.0	1095.3	1101.9	1098.6	1115.2	1108.5	1105.2
77.5°	820.6	825.6	843.8	843.8	838.8	847.1	838.8	833.9	830.6	833.9	833.9
80°	569.2	584.1	595.6	603.9	607.2	603.9	605.6	598.9	598.9	594.0	595.6
82.5°	350.8	365.7	370.6	378.9	380.5	380.5	380.5	375.6	377.2	372.3	375.6
85°	172.1	172.1	178.7	187.0	188.6	191.9	191.9	191.9	191.9	191.9	193.6
87.5°	43.0	43.0	46.3	51.3	51.3	52.9	54.6	56.3	56.3	57.9	57.9
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°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7
5°	645.3	643.6	643.6	642.0	642.0	640.3	640.3	640.3
7.5°	651.9	651.9	650.2	648.6	646.9	646.9	648.6	648.6
10°	665.1	668.4	670.1	670.1	668.4	668.4	666.8	666.8
12.5°	686.6	689.9	693.2	696.6	696.6	694.9	691.6	689.9
15°	719.7	719.7	721.4	723.0	723.0	719.7	713.1	713.1
17.5°	764.4	761.1	756.1	757.8	759.4	757.8	751.2	754.5
20°	825.6	819.0	815.7	812.4	819.0	819.0	809.1	809.1
22.5°	870.3	865.3	857.0	855.4	860.4	863.7	855.4	850.4
25°	908.3	910.0	900.1	895.1	896.8	898.4	886.8	888.5
27.5°	949.7	951.4	946.4	938.1	934.8	939.8	931.5	928.2
30°	999.3	997.7	1001.0	991.1	982.8	987.8	987.8	979.5
32.5°	1063.9	1058.9	1060.6	1049.0	1039.0	1037.4	1030.8	1020.8
35°	1151.6	1138.3	1128.4	1121.8	1103.6	1100.3	1100.3	1088.7
37.5°	1265.7	1245.9	1227.7	1227.7	1199.5	1191.3	1196.2	1181.3
40°	1393.1	1386.5	1358.4	1353.4	1323.6	1303.8	1303.8	1285.6
42.5°	1485.8	1494.0	1461.0	1441.1	1421.2	1389.8	1393.1	1370.0
45°	1586.7	1581.7	1553.6	1518.9	1512.2	1479.2	1482.5	1459.3
47.5°	1682.7	1652.9	1639.6	1604.9	1590.0	1552.0	1563.5	1545.3
50°	1775.3	1742.2	1729.0	1687.6	1667.8	1626.4	1628.1	1595.0
52.5°	1871.3	1841.5	1821.6	1768.7	1734.0	1704.2	1697.6	1682.7
55°	1995.4	1963.9	1915.9	1866.3	1839.8	1796.8	1801.8	1778.6
57.5°	2043.3	2023.5	1972.2	1942.4	1892.8	1849.8	1839.8	1798.5
59°	2041.7	2030.1	1978.8	1959.0	1887.8	1851.4	1833.2	1800.1
60°	2030.1	2026.8	1975.5	1950.7	1876.2	1843.1	1826.6	1805.1
62.5°	1995.4	1993.7	1935.8	1906.0	1844.8	1818.3	1808.4	1780.3
65°	1944.1	1915.9	1871.3	1851.4	1788.5	1768.7	1740.6	1712.4
67.5°	1821.6	1758.8	1752.2	1727.3	1672.7	1647.9	1629.7	1603.2
70°	1619.8	1578.4	1578.4	1547.0	1508.9	1497.4	1472.5	1442.8
72.5°	1368.3	1358.4	1363.3	1326.9	1308.7	1302.1	1280.6	1254.1
75°	1093.6	1095.3	1090.3	1082.1	1077.1	1078.8	1055.6	1044.0
77.5°	828.9	843.8	840.5	828.9	840.5	838.8	819.0	814.0
80°	590.7	597.3	600.6	594.0	600.6	595.6	579.1	577.4
82.5°	372.3	373.9	377.2	370.6	372.3	370.6	359.0	359.0
85°	190.3	196.9	188.6	182.0	182.0	175.4	172.1	173.7
87.5°	56.3	59.6	52.9	52.9	49.6	46.3	44.7	44.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)