

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: P197865

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115498)
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-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8183.7 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-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

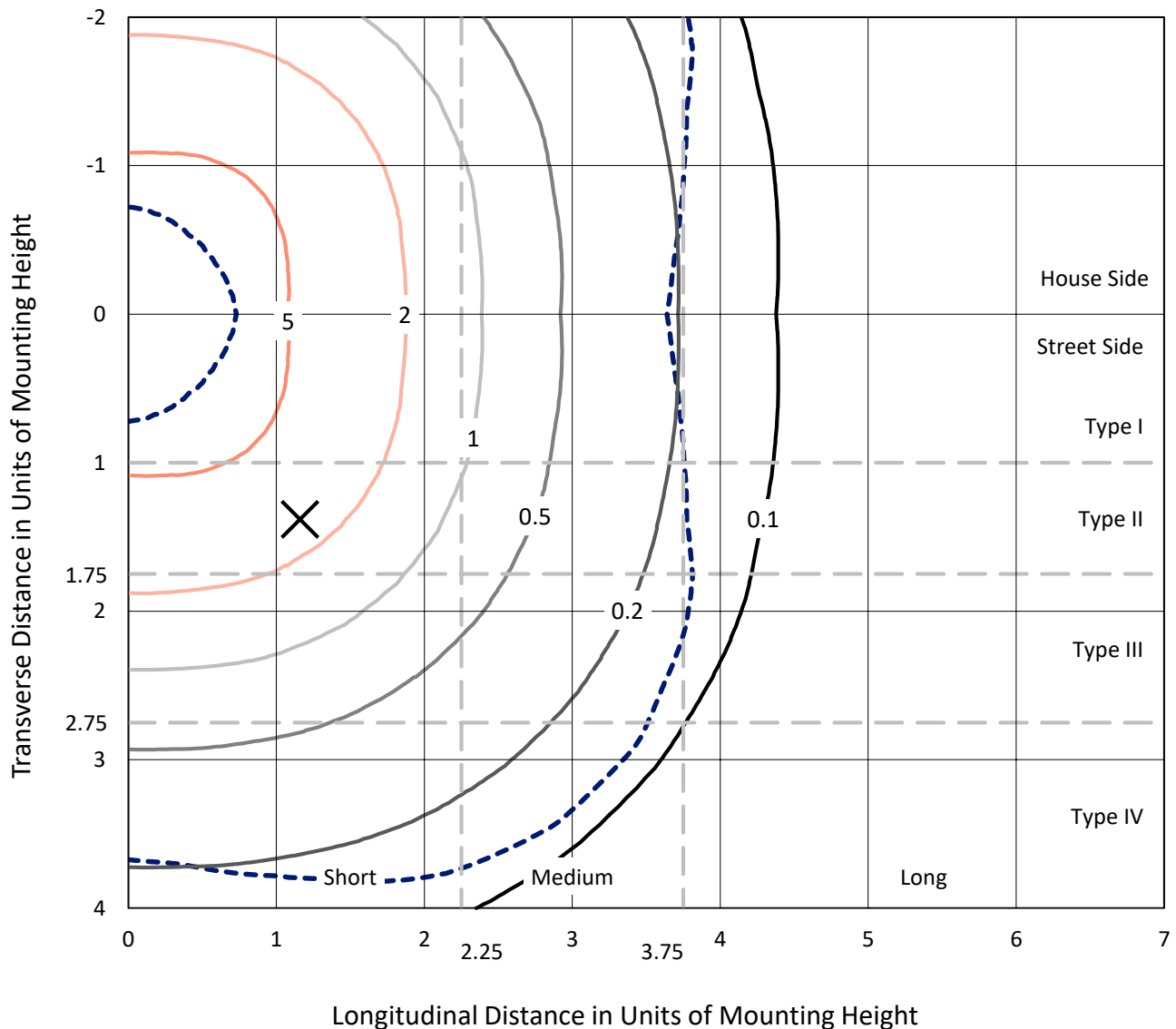


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

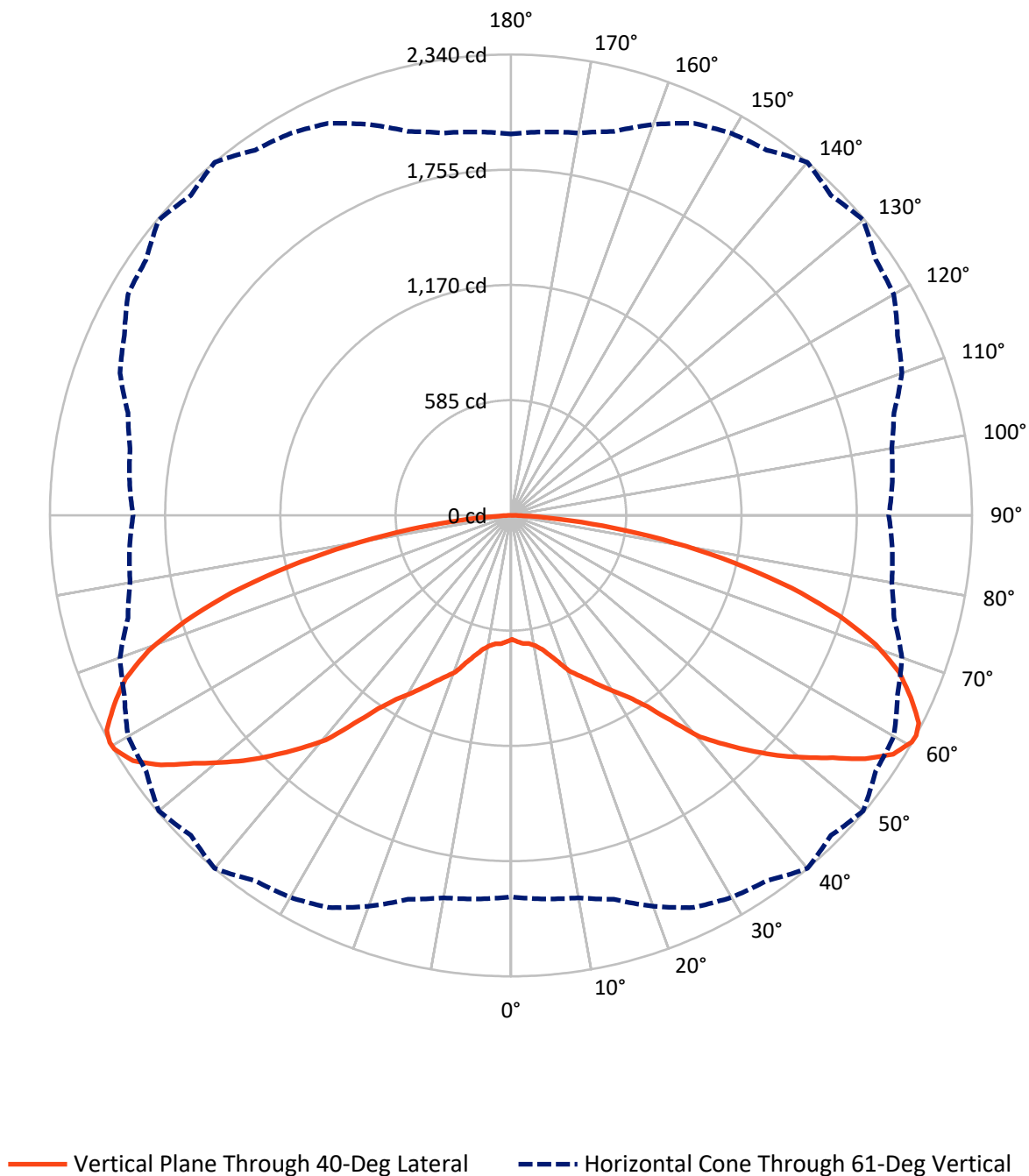


Based on 10 foot mounting height. Maximum calculated value = 7 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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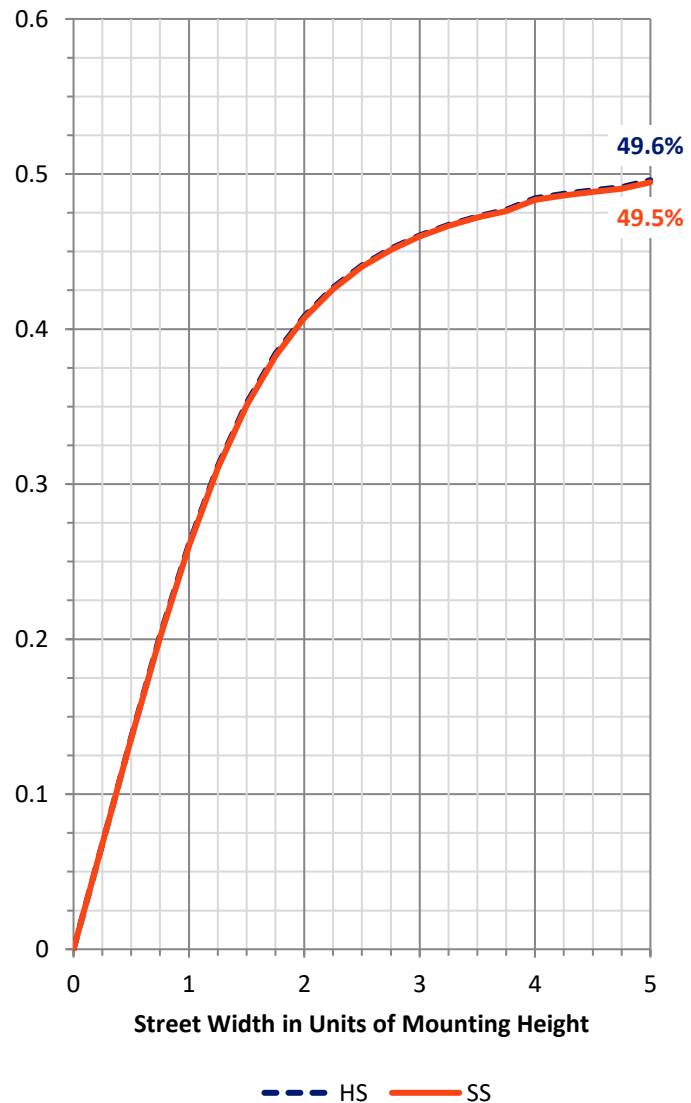
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4091.8	0.0	4091.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4091.8	0.0	4091.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	8183.7	0.0	8183.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	0.8
10°-20°	211.6	2.6
20°-30°	429.1	5.2
30°-40°	746.3	9.1
40°-50°	1256.3	15.4
50°-60°	1809.9	22.1
60°-70°	2008.4	24.5
70°-80°	1364.0	16.7
80°-90°	295.4	3.6
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°	8183.7	100.0
0°-180°	8183.7	100.0

Coefficient of Utilization



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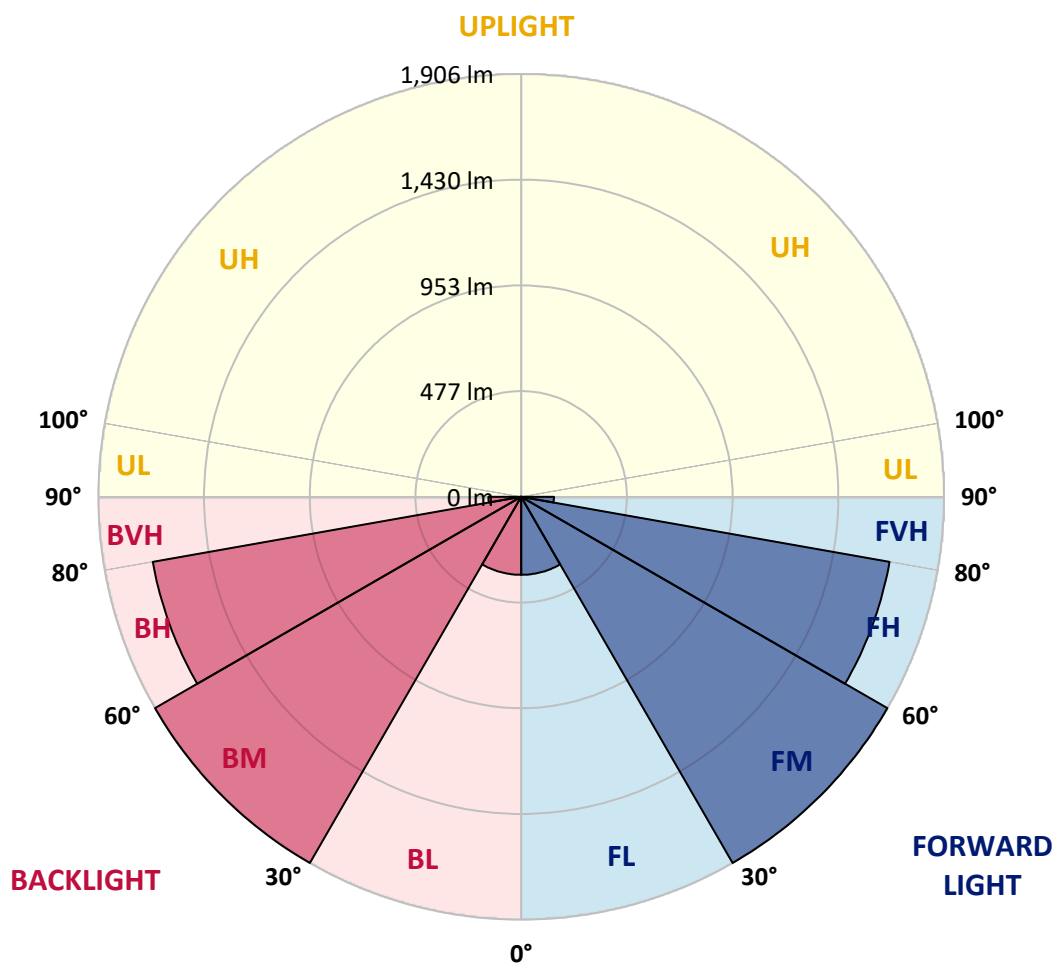
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	351.7	4.3			
FM	(30°-60°)	1906.3	23.3			
FH	(60°-80°)	1686.2	20.6			G1/1800
FVH	(80°-90°)	147.7	1.8			G2/225
BL	(0°-30°)	351.7	4.3	B1/500		
BM	(30°-60°)	1906.3	23.3	B2/2500		
BH	(60°-80°)	1686.2	20.6	B3/2500		G1/1800
BVH	(80°-90°)	147.7	1.8			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°	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7
2.5°	643.6	643.6	643.6	643.6	643.6	642.0	643.6	642.0	642.0	642.0	642.0
5°	648.6	650.2	650.2	650.2	650.2	651.9	651.9	653.5	653.5	653.5	653.5
7.5°	653.5	653.5	653.5	653.5	653.5	653.5	655.2	655.2	656.8	656.8	658.5
10°	673.4	673.4	675.0	675.0	673.4	673.4	673.4	671.7	671.7	670.1	670.1
12.5°	701.5	701.5	703.2	704.8	704.8	703.2	701.5	698.2	696.6	696.6	696.6
15°	723.0	724.7	728.0	731.3	733.0	733.0	734.6	734.6	734.6	733.0	731.3
17.5°	764.4	764.4	766.0	767.7	767.7	769.4	772.7	776.0	782.6	784.2	779.3
20°	824.0	825.6	830.6	828.9	828.9	832.2	835.5	837.2	842.2	845.5	845.5
22.5°	868.6	871.9	878.6	878.6	876.9	878.6	881.9	881.9	881.9	880.2	883.5
25°	903.4	906.7	911.6	911.6	915.0	923.2	933.2	931.5	926.5	926.5	924.9
27.5°	949.7	951.4	954.7	954.7	959.6	964.6	971.2	977.8	981.1	979.5	976.2
30°	1007.6	1010.9	1014.2	1009.3	1017.5	1022.5	1025.8	1025.8	1039.0	1045.7	1034.1
32.5°	1050.6	1057.2	1063.9	1068.8	1085.4	1093.6	1088.7	1093.6	1100.3	1106.9	1106.9
35°	1121.8	1128.4	1133.4	1136.7	1153.2	1164.8	1178.0	1191.3	1189.6	1184.6	1194.6
37.5°	1224.4	1231.0	1235.9	1242.6	1264.1	1272.3	1282.3	1310.4	1320.3	1307.1	1313.7
40°	1333.6	1345.1	1361.7	1381.5	1413.0	1422.9	1439.4	1459.3	1477.5	1484.1	1467.6
42.5°	1427.9	1441.1	1444.4	1475.8	1513.9	1543.7	1566.8	1571.8	1588.4	1603.2	1591.7
45°	1528.8	1540.4	1548.6	1575.1	1596.6	1638.0	1676.0	1694.2	1702.5	1700.9	1714.1
47.5°	1623.1	1636.3	1647.9	1676.0	1702.5	1737.3	1762.1	1805.1	1820.0	1800.1	1821.6
50°	1681.0	1697.6	1712.4	1765.4	1811.7	1848.1	1868.0	1904.4	1930.8	1917.6	1922.6
52.5°	1777.0	1783.6	1795.2	1824.9	1886.2	1970.5	1990.4	2010.3	2043.3	2059.9	2030.1
55°	1899.4	1917.6	1934.1	1972.2	2003.6	2066.5	2157.5	2182.3	2180.7	2232.0	2185.6
57.5°	1925.9	1952.3	1985.4	2054.9	2116.1	2152.5	2210.5	2279.9	2286.6	2289.9	2296.5
60°	1929.2	1945.7	1967.2	2025.1	2132.7	2198.9	2232.0	2276.6	2336.2	2293.2	2337.9
61°	1935.8	1954.0	1970.5	2016.9	2111.2	2195.6	2238.6	2263.4	2339.5	2296.5	2332.9
62.5°	1924.2	1945.7	1970.5	2015.2	2078.1	2164.1	2246.9	2246.9	2323.0	2294.8	2314.7
65°	1854.7	1874.6	1922.6	1980.5	2056.6	2101.3	2187.3	2241.9	2230.3	2279.9	2230.3
67.5°	1737.3	1753.8	1795.2	1863.0	1945.7	2008.6	2048.3	2136.0	2124.4	2175.7	2119.5
70°	1571.8	1593.3	1644.6	1690.9	1768.7	1834.9	1887.8	1940.8	1963.9	1959.0	1962.3
72.5°	1373.3	1388.2	1434.5	1485.8	1547.0	1621.4	1669.4	1702.5	1738.9	1737.3	1743.9
75°	1143.3	1156.5	1196.2	1234.3	1293.8	1351.8	1406.4	1441.1	1470.9	1469.2	1462.6
77.5°	881.9	896.8	941.4	974.5	1002.6	1067.2	1108.5	1131.7	1156.5	1156.5	1159.8
80°	615.5	625.4	660.2	694.9	721.4	752.8	805.8	810.7	838.8	832.2	838.8
82.5°	370.6	377.2	403.7	423.6	441.8	471.5	496.4	506.3	522.8	516.2	526.1
85°	167.1	170.4	187.0	198.5	206.8	223.4	236.6	241.6	249.8	248.2	254.8
87.5°	34.7	38.1	43.0	46.3	48.0	54.6	59.6	59.6	62.9	62.9	64.5
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°	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7
2.5°	642.0	643.6	642.0	642.0	642.0	643.6	642.0	643.6
5°	653.5	653.5	653.5	651.9	650.2	650.2	650.2	648.6
7.5°	660.2	660.2	658.5	656.8	655.2	656.8	656.8	656.8
10°	673.4	676.7	678.4	678.4	676.7	676.7	676.7	675.0
12.5°	696.6	698.2	703.2	704.8	706.5	704.8	699.9	698.2
15°	728.0	728.0	729.6	733.0	733.0	726.3	721.4	719.7
17.5°	772.7	771.0	767.7	767.7	769.4	766.0	761.1	761.1
20°	840.5	833.9	830.6	825.6	830.6	830.6	820.6	815.7
22.5°	888.5	881.9	873.6	868.6	875.2	880.2	868.6	862.0
25°	929.8	931.5	918.3	911.6	913.3	916.6	901.7	900.1
27.5°	972.9	976.2	969.6	958.0	954.7	961.3	949.7	946.4
30°	1025.8	1024.2	1027.5	1012.6	1006.0	1010.9	1009.3	1001.0
32.5°	1095.3	1087.0	1090.3	1077.1	1063.9	1063.9	1053.9	1044.0
35°	1191.3	1173.1	1164.8	1156.5	1131.7	1133.4	1125.1	1116.8
37.5°	1317.0	1288.9	1265.7	1270.7	1234.3	1231.0	1226.0	1214.4
40°	1461.0	1447.7	1421.2	1406.4	1368.3	1350.1	1343.5	1322.0
42.5°	1568.5	1571.8	1532.1	1505.6	1475.8	1444.4	1441.1	1419.6
45°	1684.3	1672.7	1636.3	1593.3	1580.1	1542.0	1537.1	1515.6
47.5°	1800.1	1760.4	1738.9	1694.2	1672.7	1624.8	1628.1	1608.2
50°	1909.3	1863.0	1843.1	1790.2	1757.1	1709.1	1697.6	1664.5
52.5°	2025.1	1982.1	1950.7	1882.9	1834.9	1798.5	1778.6	1765.4
55°	2180.7	2137.7	2066.5	2003.6	1963.9	1904.4	1897.7	1874.6
57.5°	2253.5	2222.0	2144.3	2099.6	2028.5	1967.2	1947.4	1901.1
60°	2261.7	2248.5	2165.8	2122.8	2018.5	1968.9	1944.1	1915.9
61°	2260.1	2243.5	2164.1	2111.2	2011.9	1962.3	1942.4	1917.6
62.5°	2253.5	2233.6	2145.9	2091.3	1998.7	1950.7	1934.1	1897.7
65°	2232.0	2177.4	2101.3	2051.6	1950.7	1907.7	1868.0	1831.6
67.5°	2137.7	2035.1	2003.6	1940.8	1838.2	1790.2	1753.8	1722.4
70°	1935.8	1868.0	1834.9	1757.1	1674.4	1634.7	1593.3	1553.6
72.5°	1699.2	1654.5	1626.4	1532.1	1470.9	1431.2	1393.1	1355.1
75°	1434.5	1401.4	1350.1	1279.0	1224.4	1184.6	1149.9	1131.7
77.5°	1126.7	1105.2	1065.5	994.4	964.6	929.8	895.1	867.0
80°	810.7	794.2	762.7	711.4	686.6	651.9	627.1	603.9
82.5°	504.6	491.4	473.2	435.1	425.2	403.7	380.5	364.0
85°	241.6	233.3	226.7	201.9	200.2	182.0	173.7	163.8
87.5°	62.9	61.2	57.9	49.6	48.0	43.0	39.7	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)