

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: P197769

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115468)
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-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8362.9 lumens
Efficiency: N/A
Efficacy: 77.4 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

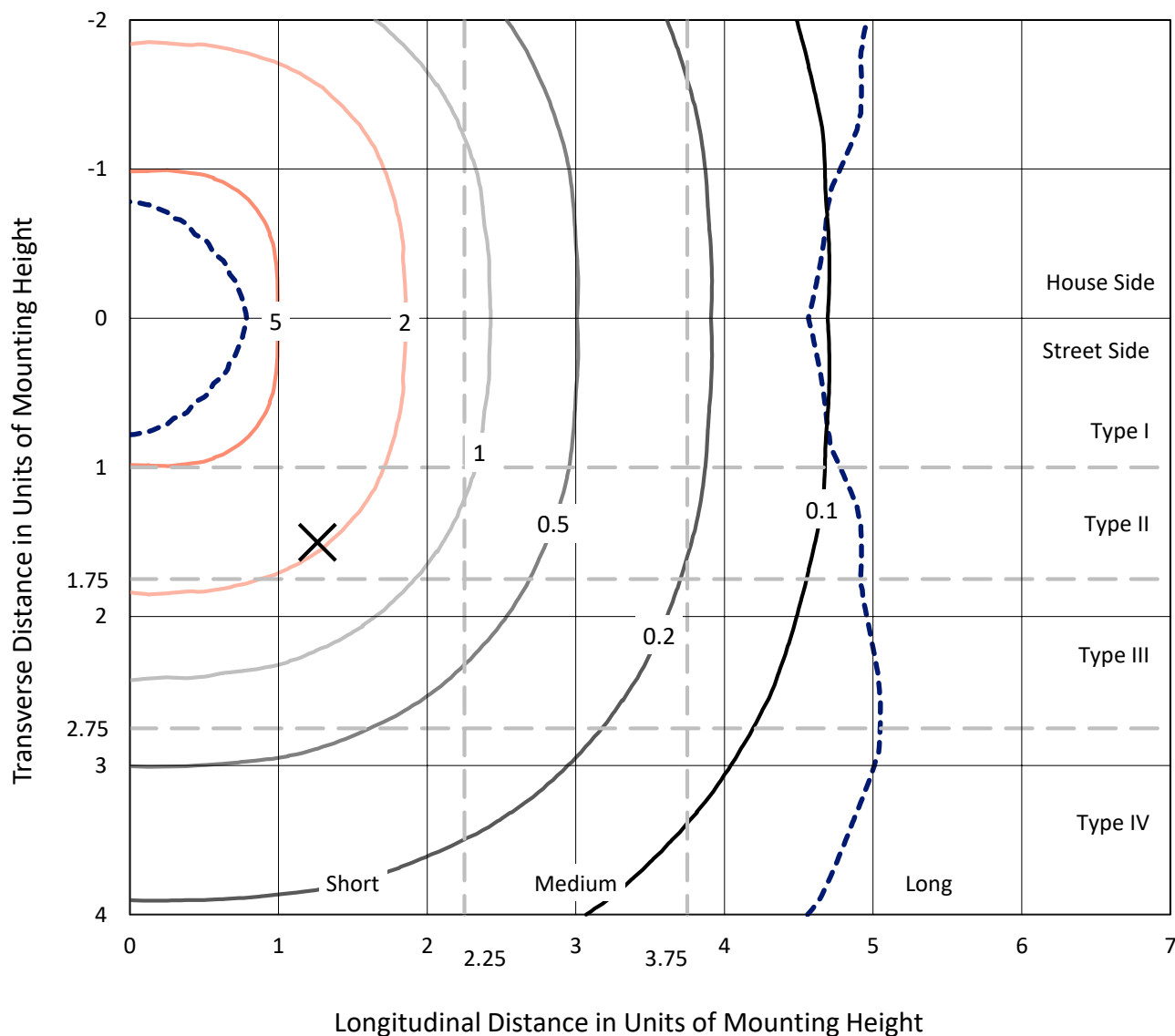


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

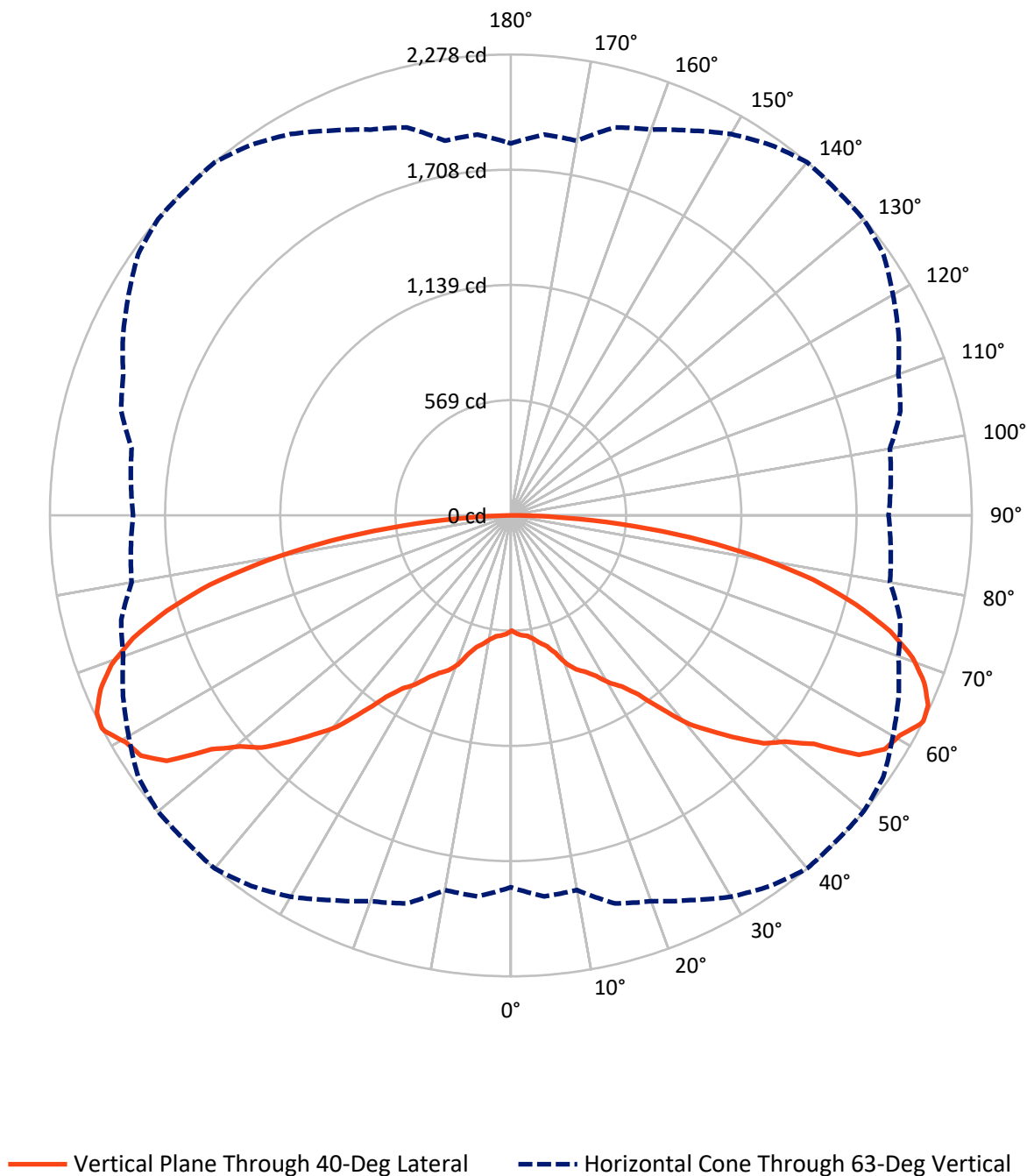


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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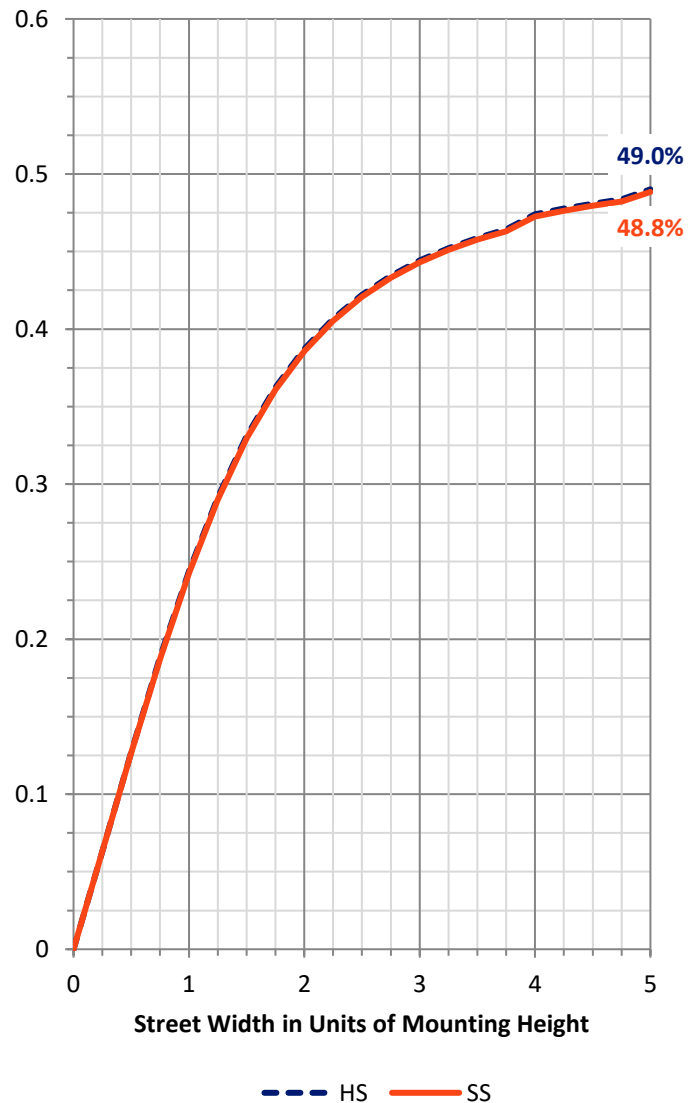
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4181.5	0.0	4181.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4181.5	0.0	4181.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8362.9	0.0	8362.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	0.7
10°-20°	195.4	2.3
20°-30°	397.2	4.7
30°-40°	684.6	8.2
40°-50°	1153.2	13.8
50°-60°	1698.1	20.3
60°-70°	2019.3	24.1
70°-80°	1634.7	19.5
80°-90°	523.0	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°	8362.9	100.0
0°-180°	8362.9	100.0

Coefficient of Utilization



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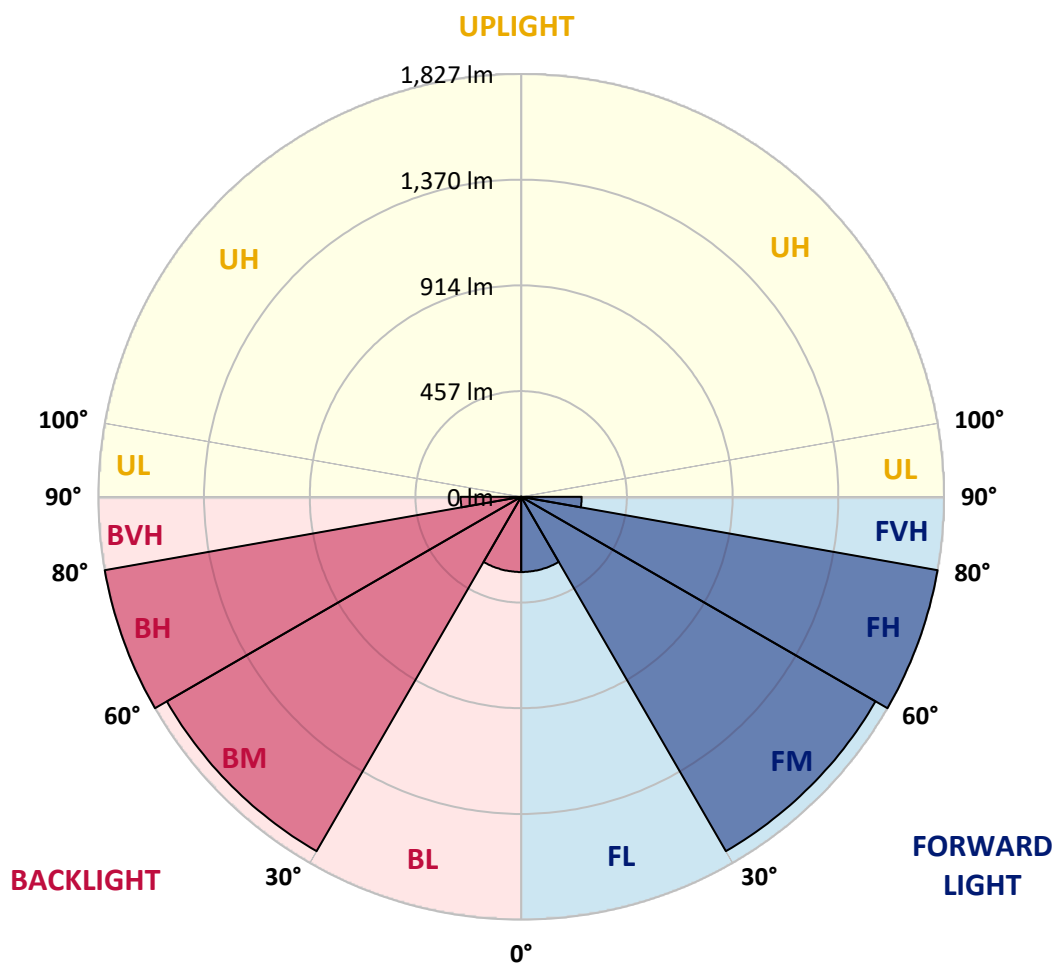
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.0	3.9			
FM	(30°-60°)	1767.9	21.1			
FH	(60°-80°)	1827.0	21.8			G2/5000
FVH	(80°-90°)	261.5	3.1			G3/500
BL	(0°-30°)	325.0	3.9	B1/500		
BM	(30°-60°)	1767.9	21.1	B2/2500		
BH	(60°-80°)	1827.0	21.8	B3/2500		G2/5000
BVH	(80°-90°)	261.5	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°	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3
2.5°	587.2	587.2	587.2	587.2	587.2	587.2	585.5	587.2	585.5	585.5	585.5
5°	598.4	598.4	598.4	598.4	597.0	597.0	595.3	595.3	595.3	593.6	595.3
7.5°	603.4	603.4	603.4	603.4	601.8	601.8	601.8	601.8	601.8	601.8	601.8
10°	614.7	614.7	616.3	618.0	621.1	621.1	621.1	622.8	621.1	621.1	621.1
12.5°	639.0	637.3	640.6	643.8	647.1	648.6	648.6	648.6	647.1	647.1	648.6
15°	672.9	669.8	671.2	672.9	674.6	676.2	676.2	674.6	671.2	671.2	671.2
17.5°	716.6	711.8	710.1	708.5	708.5	711.8	714.9	713.4	713.4	713.4	714.9
20°	768.4	765.1	765.1	765.1	766.7	773.2	779.6	782.9	781.3	778.1	782.9
22.5°	802.3	803.9	812.0	810.4	808.7	815.2	823.3	829.8	826.6	821.8	825.0
25°	839.5	839.5	850.9	855.7	850.9	850.9	854.1	858.9	855.7	852.4	855.7
27.5°	881.5	881.5	886.5	891.3	888.0	888.0	893.0	901.1	899.4	897.8	899.4
30°	931.7	925.2	920.4	928.5	936.6	938.3	943.1	956.0	959.3	957.6	960.8
32.5°	978.7	968.9	972.2	977.0	994.9	1001.3	999.7	1009.4	1007.8	1003.0	1009.4
35°	1024.0	1035.2	1041.7	1051.5	1057.9	1066.0	1066.0	1083.7	1087.0	1082.2	1087.0
37.5°	1111.4	1116.2	1134.0	1135.5	1143.6	1174.4	1177.5	1201.9	1214.8	1208.3	1210.0
40°	1231.0	1229.3	1242.4	1261.7	1278.0	1316.7	1328.1	1344.1	1355.6	1350.8	1357.2
42.5°	1328.1	1315.2	1324.8	1366.8	1384.7	1413.8	1428.4	1436.5	1457.5	1451.0	1459.1
45°	1397.6	1402.4	1415.5	1457.5	1468.7	1493.1	1527.0	1541.5	1569.0	1561.1	1565.9
47.5°	1465.6	1488.3	1499.5	1518.9	1554.4	1586.9	1628.9	1643.5	1682.3	1679.0	1674.2
50°	1554.4	1572.3	1585.2	1599.8	1648.4	1701.7	1737.3	1743.7	1756.8	1747.0	1763.2
52.5°	1649.9	1648.4	1659.7	1700.0	1768.0	1789.1	1819.8	1848.9	1876.4	1886.2	1876.4
55°	1776.1	1735.6	1782.6	1840.8	1870.0	1920.1	1994.5	2034.9	2088.4	2096.5	2080.2
57.5°	1827.9	1827.9	1876.4	1910.3	1963.8	2052.8	2132.0	2151.4	2178.9	2164.3	2180.5
60°	1821.5	1882.9	1882.9	1942.8	2030.1	2109.4	2138.5	2170.8	2208.0	2206.5	2206.5
62.5°	1829.6	1889.3	1873.1	1976.7	2030.1	2094.8	2159.5	2219.4	2271.2	2269.5	2267.9
63°	1837.5	1889.3	1879.7	1984.8	2028.5	2098.0	2175.7	2235.4	2277.6	2274.3	2276.0
65°	1861.9	1847.3	1905.5	1971.9	2022.0	2125.6	2190.3	2237.1	2266.2	2264.6	2264.6
67.5°	1816.5	1782.6	1865.2	1891.0	1986.4	2078.6	2128.7	2182.2	2203.2	2203.2	2199.9
70°	1677.5	1691.9	1748.7	1790.7	1887.7	1970.2	2012.2	2080.2	2106.1	2106.1	2104.6
72.5°	1536.7	1561.1	1599.8	1659.7	1751.8	1816.5	1866.6	1928.2	1962.1	1960.5	1960.5
75°	1357.2	1379.9	1425.1	1481.8	1562.5	1625.7	1666.1	1724.4	1763.2	1777.8	1761.6
77.5°	1155.0	1161.5	1203.5	1261.7	1332.9	1376.6	1438.1	1494.7	1527.0	1525.3	1520.5
80°	909.2	917.1	952.8	1019.0	1057.9	1109.7	1166.3	1197.1	1224.5	1224.5	1221.2
82.5°	627.6	645.4	681.0	724.7	765.1	810.4	841.2	871.9	894.6	893.0	888.0
85°	354.2	362.3	396.3	423.9	454.5	483.6	504.6	524.2	543.5	543.5	540.2
87.5°	106.7	95.5	114.8	126.2	142.3	156.9	166.6	186.0	199.0	184.5	184.5
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°	569.3	569.3	569.3	569.3	569.3	569.3	569.3	569.3
2.5°	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2
5°	595.3	597.0	597.0	598.4	598.4	598.4	598.4	598.4
7.5°	601.8	601.8	601.8	601.8	603.4	603.4	603.4	603.4
10°	621.1	622.8	621.1	621.1	618.0	616.3	616.3	616.3
12.5°	648.6	650.2	650.2	647.1	643.8	640.6	639.0	637.3
15°	674.6	679.4	676.2	674.6	671.2	672.9	672.9	674.6
17.5°	714.9	716.6	711.8	708.5	706.8	710.1	713.4	714.9
20°	784.6	781.3	771.7	768.4	765.1	765.1	768.4	768.4
22.5°	828.3	820.2	813.7	810.4	810.4	810.4	805.6	799.1
25°	858.9	854.1	849.3	852.4	855.7	850.9	839.5	837.9
27.5°	901.1	891.3	889.6	888.0	889.6	886.5	884.8	878.4
30°	956.0	943.1	939.8	936.6	926.9	923.7	926.9	931.7
32.5°	1007.8	999.7	1003.0	996.4	978.7	972.2	975.3	973.9
35°	1082.2	1067.7	1067.7	1054.6	1049.8	1048.1	1035.2	1024.0
37.5°	1200.2	1180.8	1176.0	1146.9	1134.0	1137.2	1119.5	1106.4
40°	1344.1	1329.8	1316.7	1284.4	1266.5	1243.9	1232.6	1232.6
42.5°	1439.6	1430.0	1412.1	1389.5	1370.1	1331.2	1316.7	1324.8
45°	1544.8	1531.9	1494.7	1472.0	1454.2	1426.7	1410.5	1394.4
47.5°	1651.6	1633.9	1590.2	1561.1	1518.9	1510.8	1493.1	1470.4
50°	1745.4	1738.9	1708.1	1659.7	1606.2	1593.3	1577.1	1556.1
52.5°	1860.2	1821.5	1795.5	1774.5	1714.6	1672.6	1649.9	1659.7
55°	2047.8	1999.3	1933.0	1866.6	1853.7	1803.6	1747.0	1777.8
57.5°	2156.2	2128.7	2078.6	1973.5	1921.7	1887.7	1850.6	1823.0
60°	2182.2	2132.0	2120.6	2041.4	1959.0	1887.7	1902.2	1837.5
62.5°	2232.3	2164.3	2101.3	2038.2	1988.1	1891.0	1887.7	1853.7
63°	2248.5	2180.5	2114.2	2038.2	1992.9	1902.2	1884.5	1866.6
65°	2245.2	2187.0	2136.8	2038.2	1970.2	1934.7	1847.3	1887.7
67.5°	2183.8	2135.2	2076.9	2009.1	1895.8	1868.3	1806.9	1815.0
70°	2085.0	2022.0	1967.1	1903.9	1813.4	1750.2	1713.1	1682.3
72.5°	1931.3	1874.8	1816.5	1758.3	1677.5	1601.4	1575.6	1541.5
75°	1727.7	1672.6	1619.3	1564.2	1488.3	1420.3	1392.8	1368.5
77.5°	1494.7	1447.7	1371.8	1320.0	1276.3	1203.5	1177.5	1151.7
80°	1192.1	1169.6	1114.5	1046.7	1024.0	952.8	933.3	899.4
82.5°	867.0	844.3	800.6	753.8	726.3	689.1	656.7	634.0
85°	529.0	504.6	482.0	439.9	423.9	396.3	370.5	357.5
87.5°	190.9	171.4	153.7	134.2	124.6	105.1	101.9	92.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)