

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: P197553

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115423)
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-CQ-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED 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: 9187 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

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

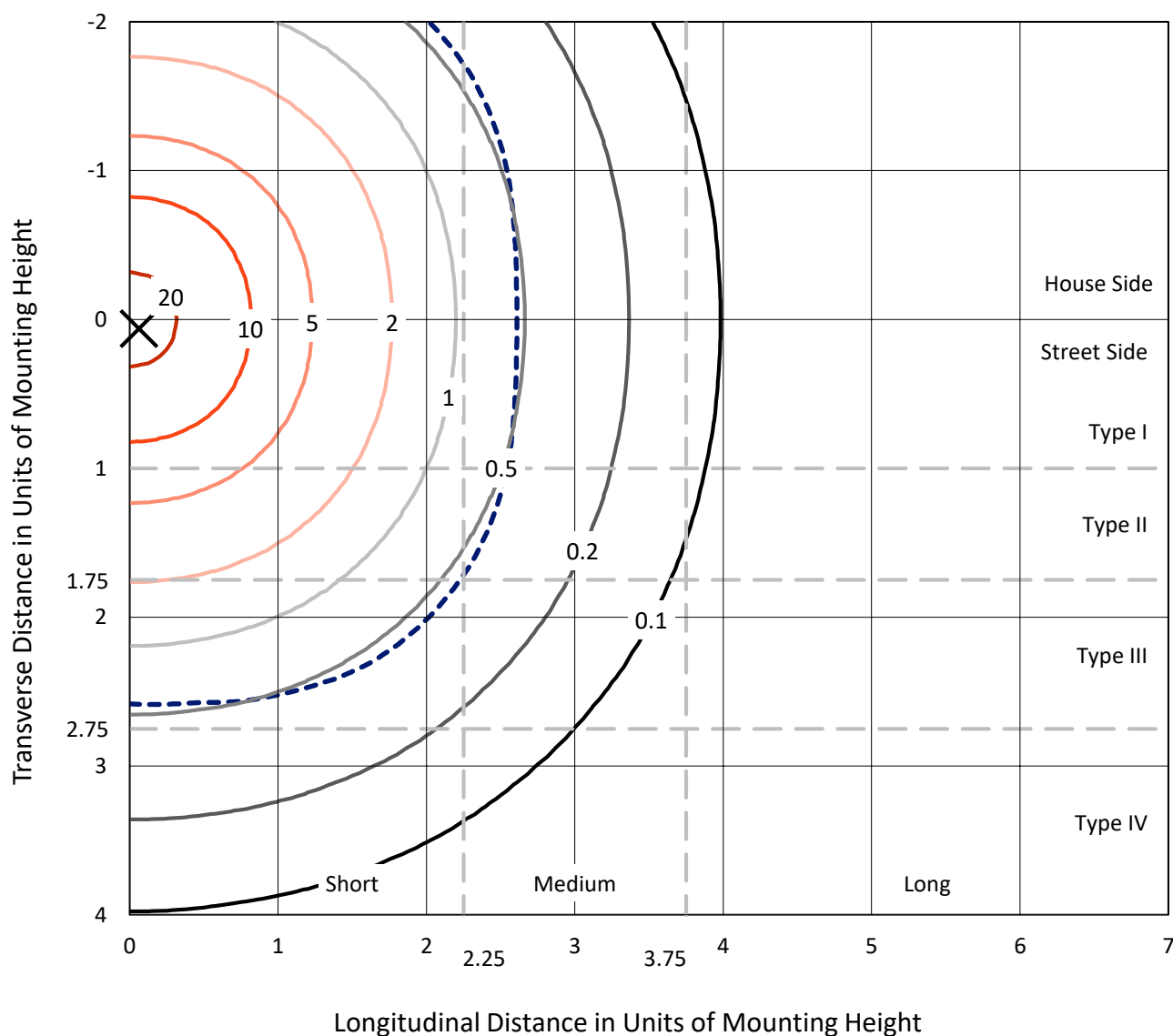


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

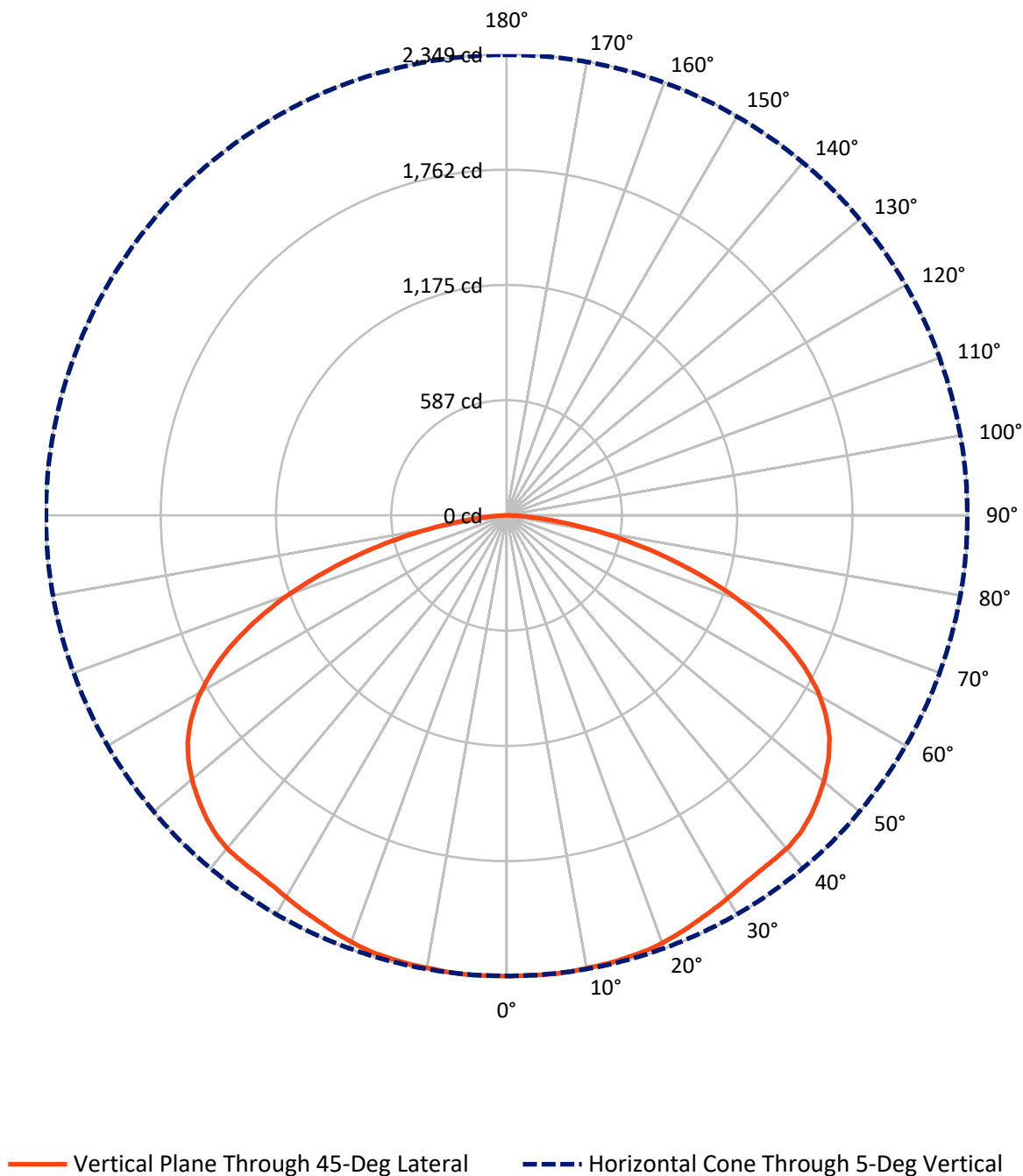


Based on 10 foot mounting height. Maximum calculated value = 23.5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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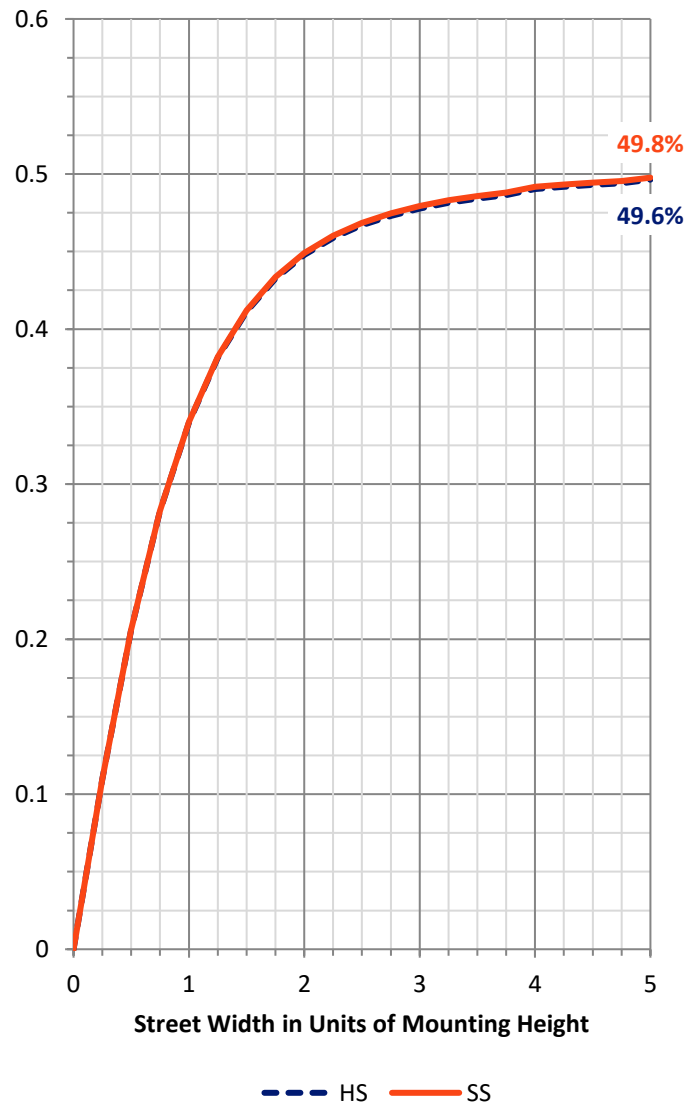
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4593.5	0.0	4593.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4593.5	0.0	4593.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9187.0	0.0	9187.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	2.4
10°-20°	660.3	7.2
20°-30°	1053.8	11.5
30°-40°	1388.0	15.1
40°-50°	1651.0	18.0
50°-60°	1727.9	18.8
60°-70°	1469.4	16.0
70°-80°	835.1	9.1
80°-90°	177.6	1.9
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°	9187.0	100.0
0°-180°	9187.0	100.0

Coefficient of Utilization



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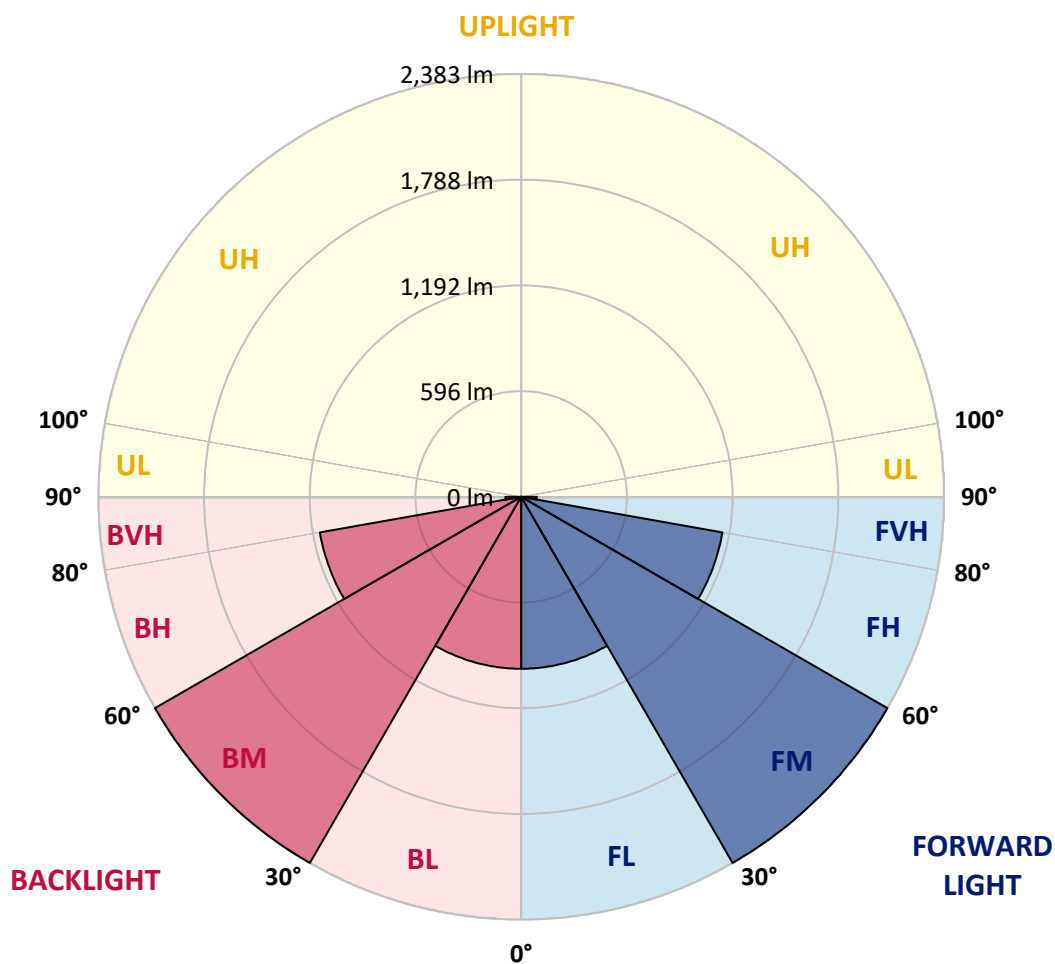
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	969.0	10.5			
FM	(30°-60°)	2383.5	25.9			
FH	(60°-80°)	1152.3	12.5			G1/1800
FVH	(80°-90°)	88.8	1.0			G1/100
BL	(0°-30°)	969.0	10.5	B2/1000		
BM	(30°-60°)	2383.5	25.9	B2/2500		
BH	(60°-80°)	1152.3	12.5	B3/2500		G1/1800
BVH	(80°-90°)	88.8	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2
2.5°	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2
5°	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2349.0	2347.2
7.5°	2345.4	2345.4	2345.4	2345.4	2347.2	2345.4	2345.4	2347.2	2347.2	2347.2	2347.2
10°	2341.8	2340.0	2340.0	2341.8	2341.8	2341.8	2341.8	2341.8	2343.6	2341.8	2341.8
12.5°	2336.3	2334.5	2336.3	2336.3	2336.3	2338.2	2338.2	2338.2	2340.0	2340.0	2338.2
15°	2330.9	2330.9	2330.9	2330.9	2330.9	2332.7	2332.7	2334.5	2334.5	2334.5	2334.5
17.5°	2323.7	2323.7	2323.7	2325.5	2325.5	2327.3	2327.3	2327.3	2329.1	2329.1	2329.1
20°	2311.0	2309.2	2311.0	2311.0	2312.8	2314.6	2314.6	2316.4	2316.4	2316.4	2316.4
22.5°	2292.9	2292.9	2294.7	2294.7	2296.5	2298.3	2298.3	2300.1	2300.1	2300.1	2300.1
25°	2274.8	2276.6	2276.6	2278.4	2278.4	2280.2	2282.0	2282.0	2282.0	2282.0	2282.0
27.5°	2256.7	2258.5	2258.5	2258.5	2260.3	2262.1	2263.9	2265.7	2267.5	2265.7	2265.7
30°	2236.7	2236.7	2238.5	2240.4	2242.2	2244.0	2247.6	2249.4	2251.2	2249.4	2249.4
32.5°	2215.0	2216.8	2218.6	2220.4	2224.1	2227.7	2231.3	2233.1	2234.9	2233.1	2233.1
35°	2198.7	2198.7	2202.3	2205.9	2209.6	2215.0	2218.6	2222.2	2225.9	2224.1	2222.2
37.5°	2182.4	2182.4	2186.0	2191.5	2198.7	2205.9	2213.2	2218.6	2220.4	2220.4	2218.6
40°	2162.5	2164.3	2167.9	2177.0	2187.8	2196.9	2205.9	2213.2	2216.8	2216.8	2213.2
42.5°	2140.7	2142.6	2148.0	2157.0	2169.7	2180.6	2191.5	2196.9	2202.3	2202.3	2198.7
45°	2110.0	2111.8	2119.0	2128.1	2140.7	2151.6	2164.3	2169.7	2177.0	2175.2	2173.3
47.5°	2070.1	2071.9	2079.2	2088.2	2100.9	2113.6	2126.3	2135.3	2140.7	2140.7	2138.9
50°	2021.2	2023.0	2030.3	2039.3	2055.6	2070.1	2082.8	2091.8	2100.9	2100.9	2099.1
52.5°	1959.6	1963.3	1968.7	1981.4	1999.5	2015.8	2032.1	2046.6	2052.0	2053.8	2052.0
55°	1883.6	1887.2	1894.4	1908.9	1928.8	1948.8	1966.9	1983.2	1990.4	1995.9	1992.2
57.5°	1794.8	1798.4	1807.5	1823.8	1845.5	1865.5	1889.0	1907.1	1912.5	1918.0	1916.2
60°	1689.8	1695.2	1704.3	1722.4	1744.1	1765.8	1787.6	1809.3	1814.7	1822.0	1818.4
62.5°	1566.6	1572.1	1581.1	1601.0	1624.6	1644.5	1669.9	1689.8	1695.2	1702.5	1700.6
65°	1425.4	1430.8	1439.8	1461.6	1483.3	1505.0	1528.6	1550.3	1555.8	1563.0	1561.2
67.5°	1264.2	1269.6	1278.7	1304.0	1325.7	1347.5	1367.4	1389.1	1392.8	1400.0	1398.2
70°	1093.9	1101.2	1108.4	1132.0	1151.9	1170.0	1191.7	1209.8	1217.1	1220.7	1217.1
72.5°	923.7	929.1	936.4	952.7	967.1	983.4	1005.2	1017.9	1023.3	1025.1	1025.1
75°	748.0	753.4	753.4	771.5	782.4	791.5	809.6	818.6	822.2	825.9	825.9
77.5°	581.4	577.7	581.4	588.6	595.9	603.1	614.0	619.4	623.0	630.3	626.6
80°	407.5	409.3	411.1	416.6	420.2	422.0	429.2	431.0	432.9	440.1	436.5
82.5°	262.6	259.0	262.6	260.8	264.4	259.0	262.6	268.0	264.4	268.0	269.9
85°	137.6	132.2	132.2	134.0	135.8	132.2	134.0	132.2	132.2	135.8	134.0
87.5°	43.5	41.7	43.5	41.7	43.5	41.7	43.5	45.3	43.5	43.5	45.3
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°	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2
2.5°	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2
5°	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2	2347.2
7.5°	2345.4	2345.4	2345.4	2345.4	2345.4	2345.4	2343.6	2345.4
10°	2341.8	2341.8	2341.8	2341.8	2340.0	2340.0	2340.0	2340.0
12.5°	2338.2	2338.2	2336.3	2336.3	2336.3	2336.3	2334.5	2334.5
15°	2334.5	2332.7	2332.7	2330.9	2330.9	2330.9	2329.1	2330.9
17.5°	2329.1	2327.3	2327.3	2325.5	2325.5	2323.7	2323.7	2323.7
20°	2316.4	2314.6	2314.6	2312.8	2312.8	2311.0	2309.2	2309.2
22.5°	2298.3	2298.3	2298.3	2296.5	2294.7	2294.7	2292.9	2292.9
25°	2282.0	2280.2	2280.2	2278.4	2276.6	2276.6	2274.8	2274.8
27.5°	2265.7	2263.9	2262.1	2258.5	2258.5	2256.7	2254.8	2253.0
30°	2247.6	2244.0	2240.4	2238.5	2236.7	2233.1	2231.3	2229.5
32.5°	2229.5	2225.9	2222.2	2218.6	2213.2	2211.4	2207.8	2207.8
35°	2218.6	2213.2	2207.8	2200.5	2195.1	2189.6	2186.0	2184.2
37.5°	2213.2	2205.9	2196.9	2187.8	2178.8	2171.5	2166.1	2166.1
40°	2205.9	2196.9	2186.0	2173.3	2162.5	2153.4	2148.0	2146.2
42.5°	2191.5	2182.4	2167.9	2157.0	2142.6	2133.5	2126.3	2124.4
45°	2166.1	2157.0	2144.4	2129.9	2115.4	2104.5	2097.3	2095.5
47.5°	2133.5	2122.6	2108.1	2093.7	2079.2	2066.5	2059.2	2057.4
50°	2091.8	2081.0	2066.5	2052.0	2035.7	2023.0	2014.0	2014.0
52.5°	2044.8	2032.1	2015.8	1999.5	1981.4	1968.7	1959.6	1957.8
55°	1983.2	1968.7	1952.4	1934.3	1914.4	1899.9	1889.0	1887.2
57.5°	1907.1	1890.8	1872.7	1852.8	1832.9	1816.6	1803.9	1802.1
60°	1811.1	1793.0	1774.9	1755.0	1733.2	1715.1	1702.5	1698.8
62.5°	1693.4	1673.5	1653.6	1635.4	1611.9	1593.8	1581.1	1577.5
65°	1553.9	1537.6	1517.7	1496.0	1470.6	1452.5	1439.8	1438.0
67.5°	1390.9	1374.6	1354.7	1334.8	1309.4	1293.1	1280.5	1276.8
70°	1211.6	1197.2	1180.9	1160.9	1139.2	1122.9	1110.2	1108.4
72.5°	1021.5	1008.8	994.3	979.8	958.1	945.4	934.5	932.7
75°	825.9	813.2	802.3	791.5	775.2	766.1	755.2	755.2
77.5°	626.6	623.0	615.8	603.1	594.0	586.8	581.4	577.7
80°	438.3	434.7	431.0	423.8	418.4	416.6	412.9	409.3
82.5°	268.0	266.2	268.0	264.4	262.6	262.6	260.8	257.2
85°	135.8	137.6	135.8	134.0	134.0	134.0	134.0	132.2
87.5°	43.5	45.3	43.5	41.7	41.7	41.7	41.7	39.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)