

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: STREETWORKS

Report Number: P286964

Luminaire Tested: **USSL-C029-D-U-T3-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-6)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C029-D-U-T3-AP-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K LEDS AND TYPE III OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18500.5 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 131
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: 28.75 FT



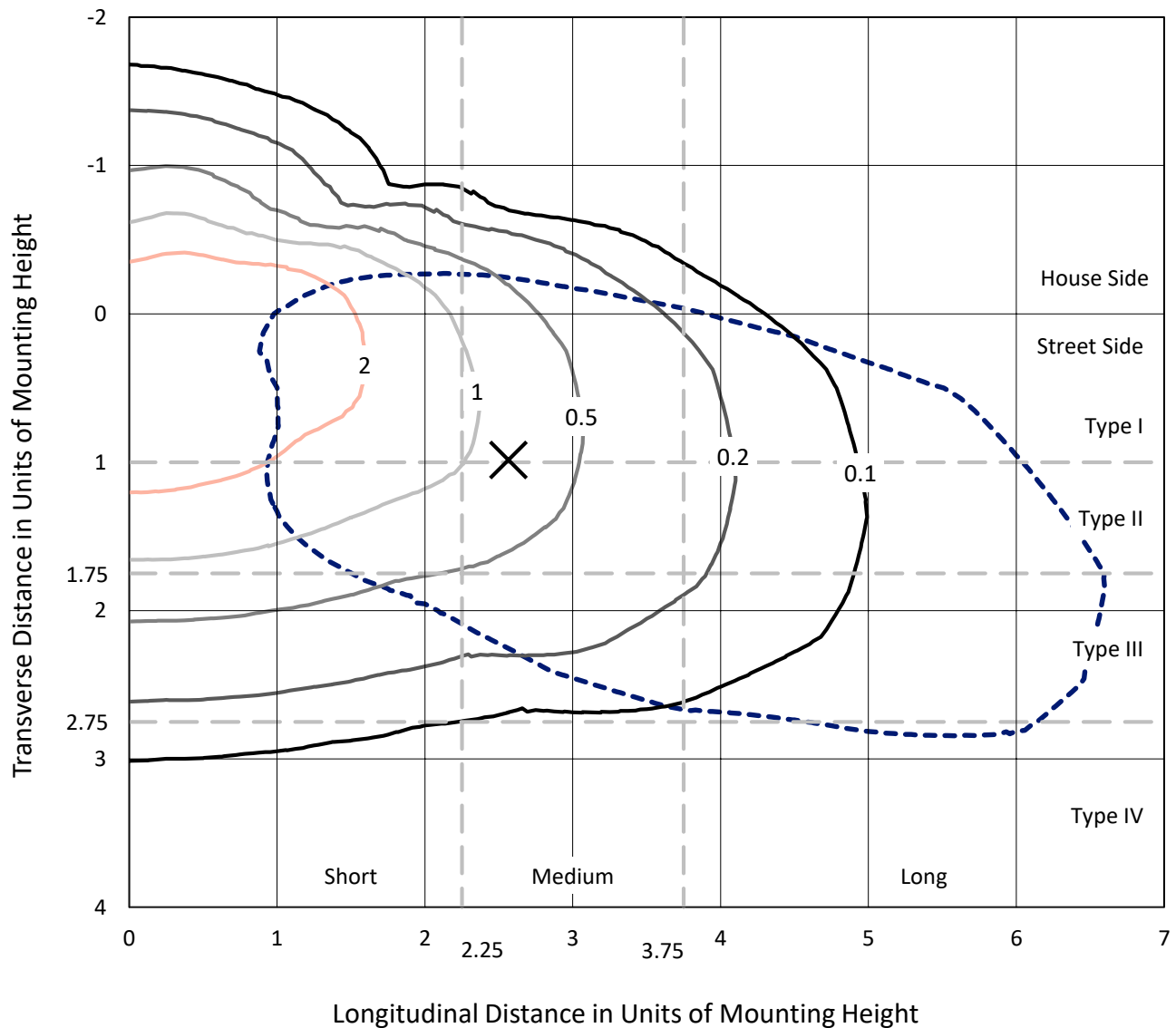
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

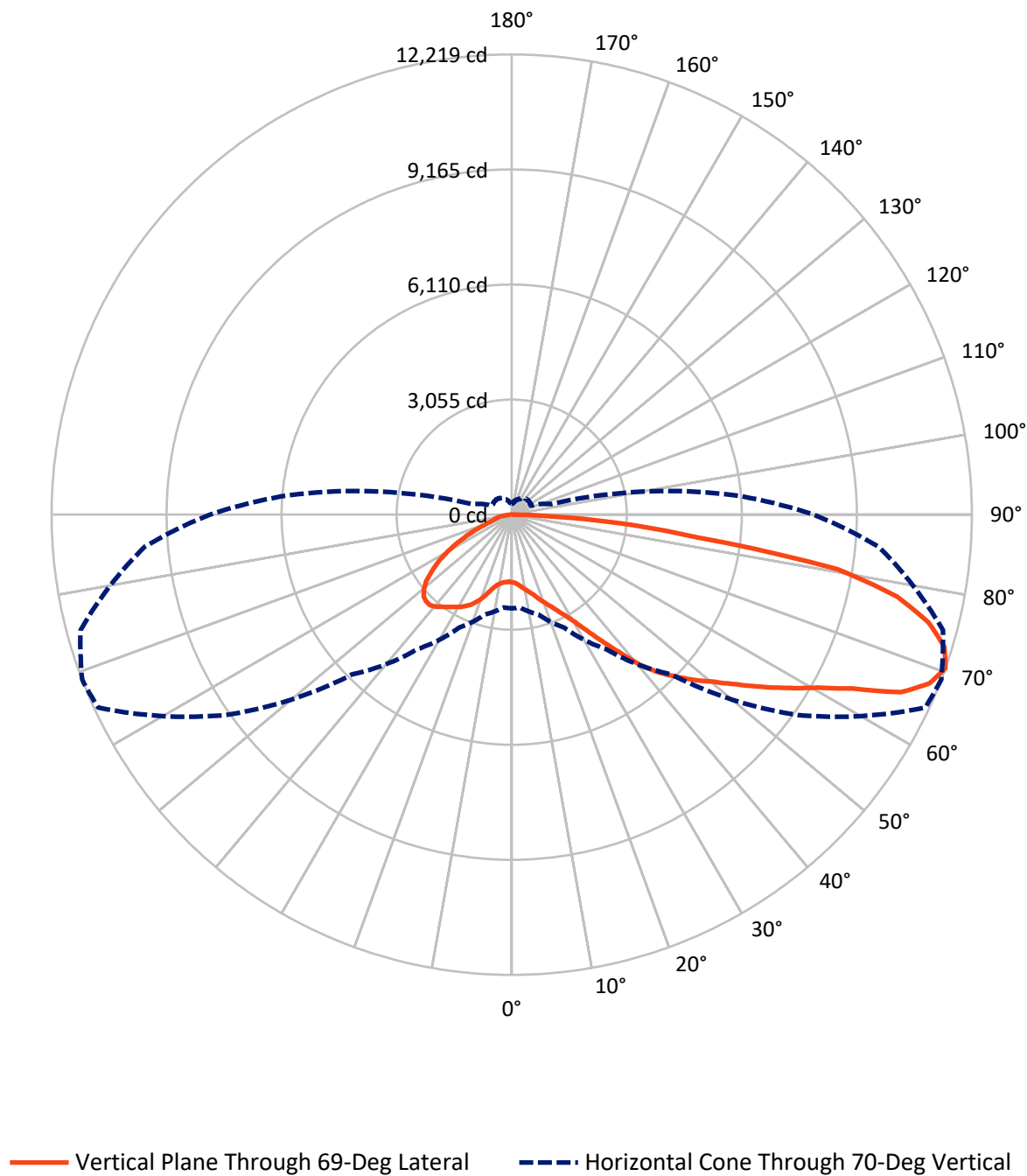


Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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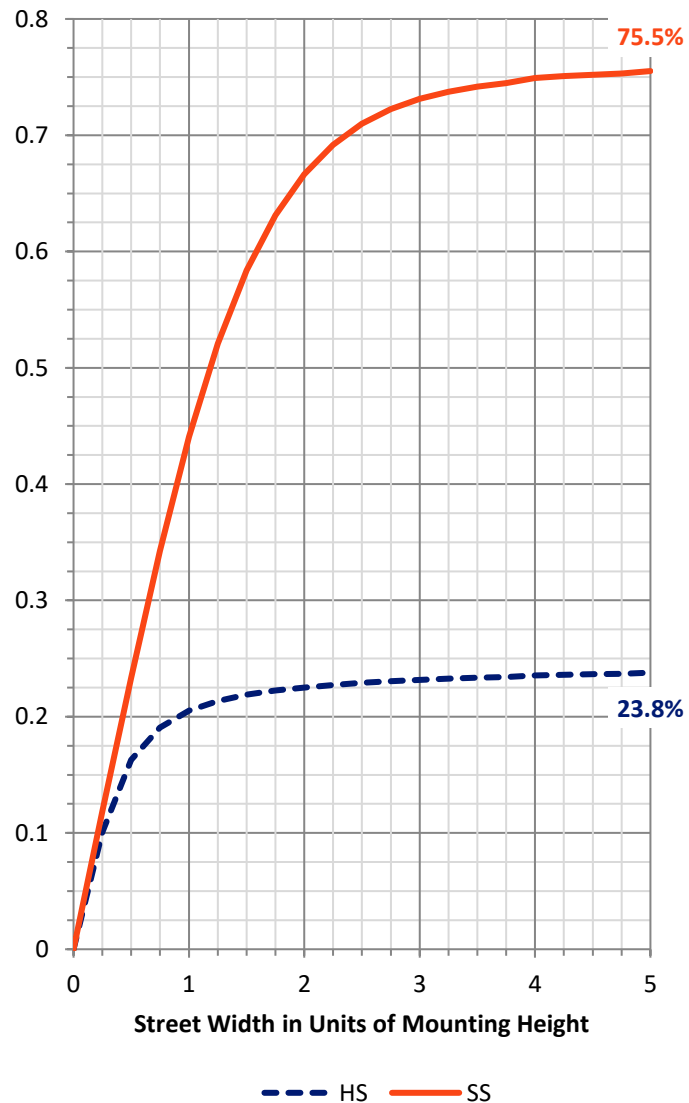
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4487.3	0.0	4487.3
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	14013.3	0.0	14013.3
	% Fixture	75.7	0.0	75.7
Total	Lumens	18500.5	0.0	18500.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.0	1.0
10°-20°	585.1	3.2
20°-30°	1100.3	5.9
30°-40°	1883.7	10.2
40°-50°	2876.9	15.6
50°-60°	3720.5	20.1
60°-70°	4232.0	22.9
70°-80°	3224.7	17.4
80°-90°	699.5	3.8
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°	18500.5	100.0
0°-180°	18500.5	100.0

Coefficient of Utilization



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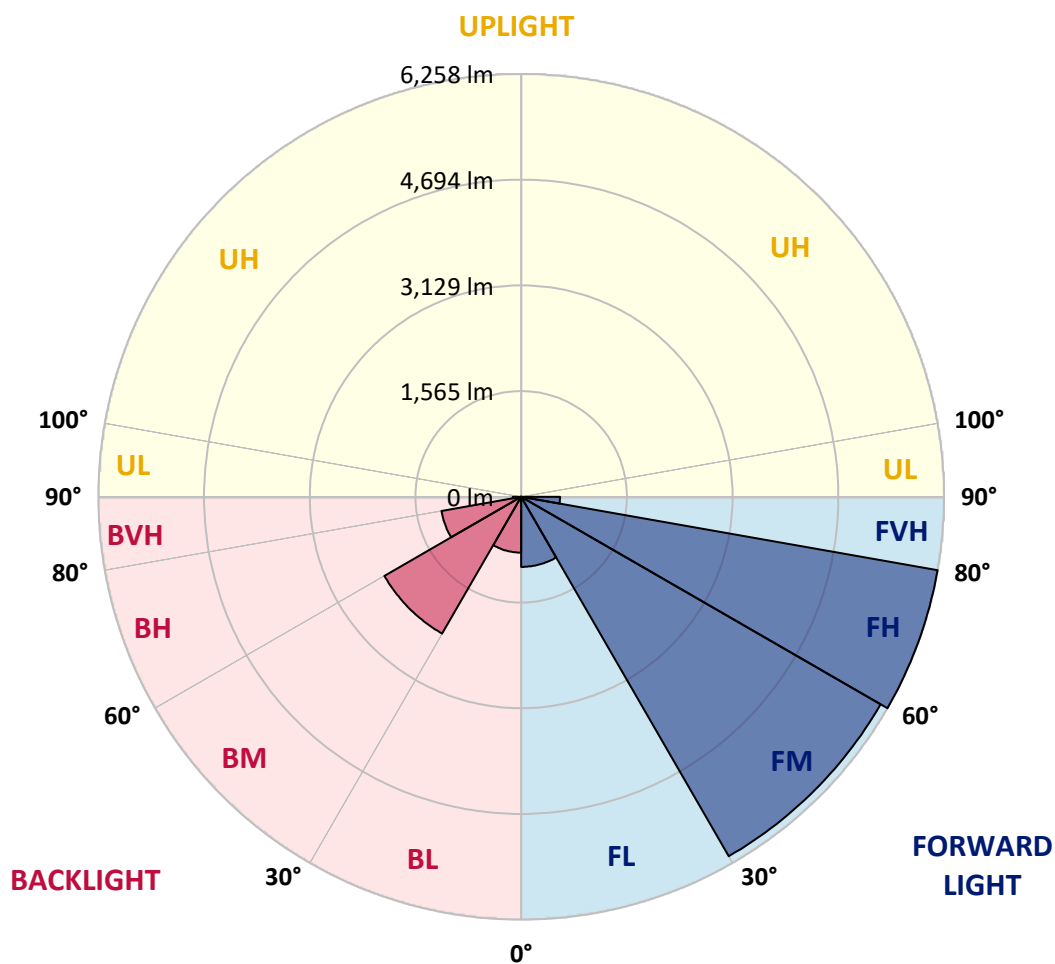
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1037.1	5.6			
FM	(30°-60°)	6142.7	33.2			
FH	(60°-80°)	6258.5	33.8			G3/7500
FVH	(80°-90°)	575.0	3.1			G4/750
BL	(0°-30°)	826.2	4.5	B2/1000		
BM	(30°-60°)	2338.4	12.6	B2/2500		
BH	(60°-80°)	1198.2	6.5	B3/2500		G3/2500
BVH	(80°-90°)	124.5	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1
2.5°	1906.4	1893.8	1894.7	1862.1	1863.1	1850.4	1843.2	1832.4	1814.2	1820.6	1790.7
5°	1998.8	1981.6	1987.0	1948.1	1946.3	1929.1	1911.0	1878.5	1870.3	1866.7	1840.4
7.5°	2059.3	2055.7	2053.0	2033.1	2031.3	2011.4	1994.2	1958.9	1945.3	1929.1	1895.6
10°	2118.1	2120.9	2123.5	2089.2	2110.9	2087.4	2068.4	2039.5	2021.3	2015.9	1964.3
12.5°	2148.0	2150.6	2165.2	2155.2	2167.8	2180.5	2161.6	2131.7	2113.5	2113.5	2053.9
15°	2174.2	2181.4	2205.9	2213.9	2236.6	2247.4	2261.9	2243.0	2215.8	2211.3	2161.6
17.5°	2218.5	2214.9	2236.6	2272.7	2299.0	2319.8	2360.5	2355.1	2353.3	2341.5	2305.3
20°	2278.1	2271.9	2293.5	2308.9	2349.6	2412.0	2467.2	2495.2	2493.4	2487.1	2455.5
22.5°	2343.3	2337.0	2337.8	2349.6	2404.8	2498.8	2583.8	2637.2	2638.1	2641.8	2670.7
25°	2454.5	2428.3	2420.2	2430.1	2496.2	2611.0	2720.4	2808.2	2825.4	2846.1	2938.4
27.5°	2724.0	2736.7	2626.3	2554.9	2610.1	2751.2	2879.6	3009.0	3036.1	3098.5	3282.9
30°	3142.8	3121.9	3065.9	2910.4	2784.7	2910.4	3091.2	3251.3	3302.9	3462.1	3628.5
32.5°	3459.3	3460.3	3433.1	3301.1	3127.4	3096.7	3301.1	3566.0	3668.2	3964.0	4113.3
35°	3780.3	3766.8	3790.3	3665.6	3511.8	3402.4	3529.9	3879.9	4114.1	4551.8	4632.3
37.5°	4081.6	4086.1	4091.5	3971.2	3898.0	3859.9	3845.5	4285.9	4622.4	5098.1	5148.8
40°	4304.9	4329.4	4346.5	4280.5	4254.3	4256.1	4193.7	4768.0	5233.8	5702.3	5644.4
42.5°	4483.1	4511.1	4636.0	4547.3	4585.3	4661.2	4650.4	5149.6	5729.4	6165.3	6098.3
45°	4632.3	4633.2	4720.1	4755.3	4891.0	5034.8	5046.5	5556.6	6140.0	6583.1	6454.7
47.5°	4735.4	4717.3	4785.1	4929.0	5178.6	5347.7	5459.9	6016.9	6564.2	6957.5	6819.2
50°	4767.1	4792.4	4905.4	5088.2	5421.0	5687.7	5923.8	6600.3	6977.4	7323.8	7114.9
52.5°	4825.8	4836.7	4995.0	5233.8	5667.0	6022.4	6257.5	7202.7	7485.8	7699.1	7476.6
55°	4875.6	4906.4	5057.4	5310.6	5822.6	6293.7	6611.1	7751.6	8070.8	8112.5	7855.7
57.5°	4697.5	4727.3	4995.9	5332.4	5951.9	6512.6	6999.2	8285.2	8682.3	8611.7	8186.7
60°	4368.3	4402.6	4724.6	5272.7	5972.6	6756.8	7507.4	8994.2	9328.0	9243.0	8559.2
62.5°	4069.8	4071.6	4419.8	5016.7	5874.1	6924.1	8125.1	9911.3	10162.7	10013.5	8972.6
65°	3676.4	3672.8	3987.4	4605.2	5595.5	6872.5	8607.1	11030.9	11363.8	10940.5	9367.7
67.5°	3144.6	3133.7	3452.1	4024.5	5078.2	6607.5	9015.9	11792.4	11964.3	11617.0	9683.4
70°	2486.2	2474.4	2744.0	3311.9	4357.4	6002.5	9273.7	12118.0	12219.4	11856.7	9782.9
72.5°	1743.6	1736.4	1897.4	2346.9	3333.6	5050.2	9218.6	11955.2	12019.5	11606.1	9490.8
75°	1031.9	1029.2	1179.4	1436.2	1970.7	3763.2	8595.4	11358.3	11435.3	11060.0	8773.5
77.5°	397.9	369.0	576.1	699.1	1120.5	1762.7	6575.0	10286.6	10464.8	10112.1	7729.9
80°	130.3	134.7	404.2	493.8	650.2	789.5	3518.1	8348.5	8770.9	8544.8	5855.1
82.5°	95.0	97.7	251.4	333.8	430.5	535.4	1331.2	4538.3	4983.2	4906.4	2874.1
85°	62.4	62.4	86.0	118.5	161.0	214.3	373.5	2303.5	2823.6	2739.4	1245.4
87.5°	33.5	34.3	49.7	71.4	96.8	113.1	119.3	471.2	643.0	559.8	248.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1	1797.1
2.5°	1781.7	1799.7	1786.1	1775.3	1757.2	1747.4	1750.0	1741.0	1732.8	1753.6	1743.6
5°	1831.4	1843.2	1807.9	1787.1	1758.2	1733.8	1731.9	1712.1	1702.1	1710.3	1713.9
7.5°	1873.9	1882.9	1836.0	1798.9	1769.9	1741.0	1721.1	1686.7	1673.2	1687.6	1693.1
10°	1947.1	1936.3	1879.3	1837.8	1795.3	1760.0	1726.5	1693.9	1669.6	1670.4	1672.2
12.5°	2030.3	2000.6	1949.9	1891.1	1845.0	1809.7	1763.6	1708.5	1669.6	1668.6	1675.0
15°	2146.2	2109.9	2065.6	1996.0	1944.5	1893.8	1819.6	1723.8	1662.2	1640.6	1631.5
17.5°	2290.9	2243.0	2227.5	2147.0	2062.0	1965.3	1846.8	1730.1	1621.5	1580.8	1582.7
20°	2464.5	2449.1	2429.2	2297.1	2175.1	2012.3	1859.5	1701.1	1555.6	1484.1	1476.9
22.5°	2708.7	2701.5	2607.4	2426.5	2239.3	2043.1	1848.6	1639.7	1464.3	1375.5	1357.5
25°	2990.8	2932.1	2757.5	2535.9	2289.9	2051.2	1805.2	1550.1	1356.6	1246.2	1240.8
27.5°	3271.2	3167.2	2910.4	2604.7	2294.5	2019.5	1713.9	1428.0	1249.8	1146.8	1133.2
30°	3597.7	3457.5	3065.0	2654.4	2284.5	1939.9	1586.4	1325.8	1179.4	1077.2	1061.8
32.5°	4010.1	3772.3	3217.9	2677.0	2217.6	1833.2	1450.7	1281.5	1127.7	1010.2	992.2
35°	4503.9	4187.3	3425.0	2676.1	2129.9	1667.8	1381.9	1256.2	1091.6	946.9	919.8
37.5°	4976.9	4652.2	3659.2	2665.2	1989.6	1495.0	1334.0	1215.5	1067.2	934.2	918.8
40°	5412.8	5033.9	3943.1	2645.4	1825.0	1390.1	1280.7	1152.2	1038.3	946.0	928.8
42.5°	5819.0	5393.8	4197.3	2595.6	1644.2	1315.9	1208.3	1109.7	1007.5	890.8	864.6
45°	6186.1	5697.7	4372.7	2478.0	1446.1	1233.6	1126.9	1052.7	951.5	832.0	811.2
47.5°	6492.6	5974.4	4496.6	2319.8	1286.1	1146.8	1032.9	972.2	882.7	773.3	746.2
50°	6761.3	6248.5	4580.8	2050.3	1145.9	1058.1	939.7	873.7	793.1	715.4	696.4
52.5°	7023.5	6526.1	4678.5	1690.3	1013.8	955.1	833.0	759.7	699.1	663.0	650.2
55°	7369.9	6879.8	4678.5	1239.0	892.6	872.7	740.7	643.9	601.4	576.1	582.4
57.5°	7682.9	7096.8	4481.3	922.5	815.8	787.7	640.3	545.3	500.2	506.4	525.5
60°	8029.3	7303.9	3931.4	763.3	750.6	671.0	546.3	479.3	455.9	433.2	430.5
62.5°	8267.1	7333.8	3225.1	673.8	685.5	592.4	511.0	441.3	415.2	382.5	375.3
65°	8533.0	7173.7	2426.5	632.1	627.7	562.5	503.8	435.9	399.8	346.4	337.4
67.5°	8435.3	6700.7	1722.9	585.2	587.0	566.2	515.5	435.0	391.6	333.8	327.4
70°	8011.1	5934.7	1079.8	563.4	578.8	573.4	536.3	457.7	388.9	303.0	293.9
72.5°	7413.4	4948.9	604.1	522.7	574.3	578.0	561.6	478.4	356.3	247.8	242.4
75°	6433.0	3776.7	432.3	483.8	552.6	577.0	550.8	460.3	326.4	233.3	226.1
77.5°	5029.3	2213.9	380.7	445.9	511.9	515.5	546.3	478.4	339.2	237.0	228.8
80°	2719.5	916.2	320.2	392.5	420.6	487.4	530.0	446.7	313.8	190.8	179.1
82.5°	1103.4	258.6	186.3	249.6	341.0	402.4	472.1	395.2	287.6	159.2	150.1
85°	282.1	88.6	86.8	127.5	204.3	301.1	383.5	338.2	234.2	70.6	4.6
87.5°	35.3	28.9	34.3	70.6	132.9	216.1	281.3	244.2	166.4	1.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)