

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: P192389

Luminaire Tested: **UTR080LEDEU22**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192389
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTR080LEDEU22
Description: TRADITIONARE LED POST TOP FIXTURE TYPE 2 DISTRIBUTION, ACRYLIC PANELS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9564.7 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.38' x L: 1.38' x H: 1')
IES Classification: Type IV - V Long - Non-Cutoff
BUG Rating: B2 - U4 - G5

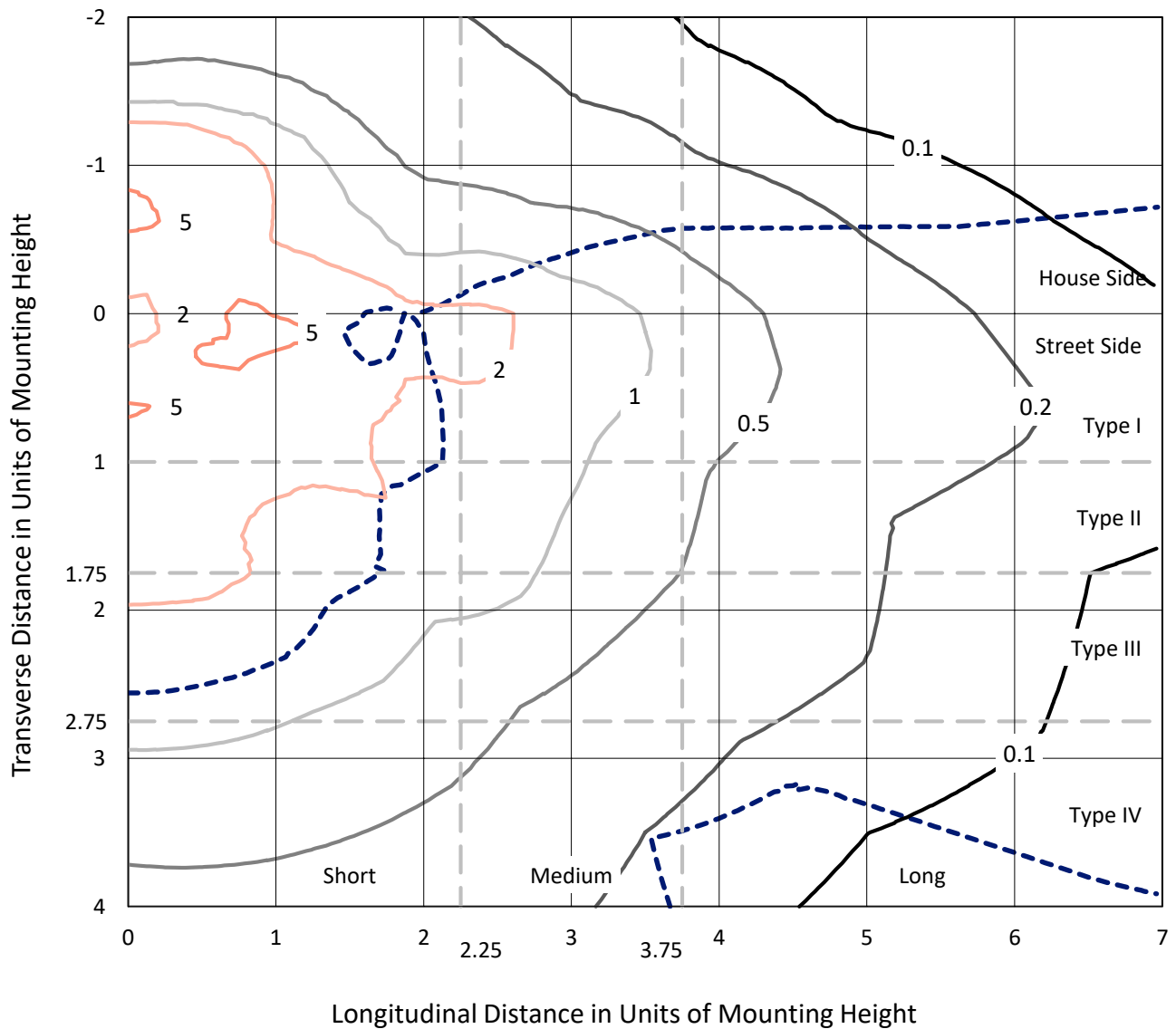
Input Watts (W): 98
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

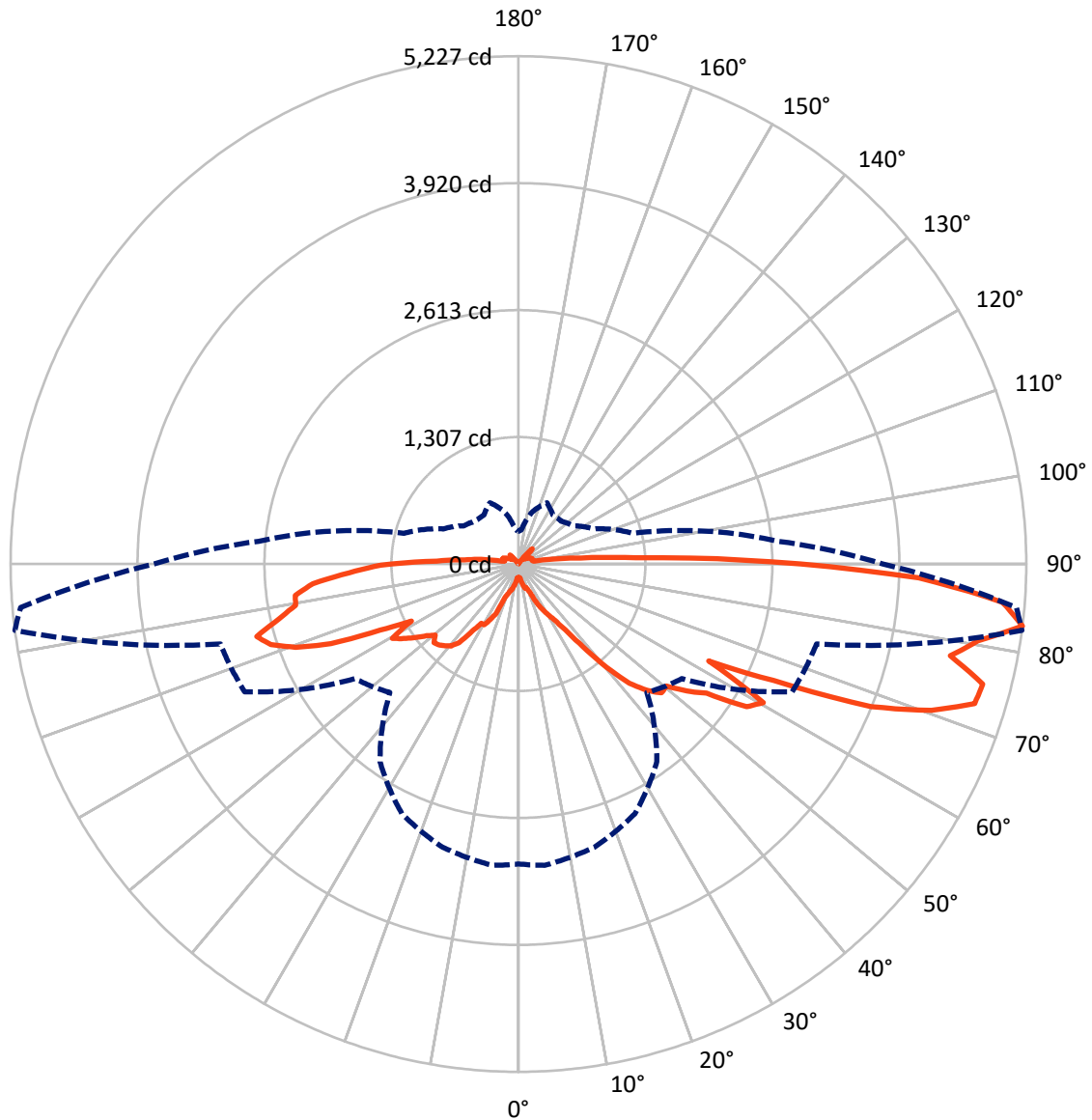
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - V Long - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral - - - Horizontal Cone Through 82.5-Deg Vertical



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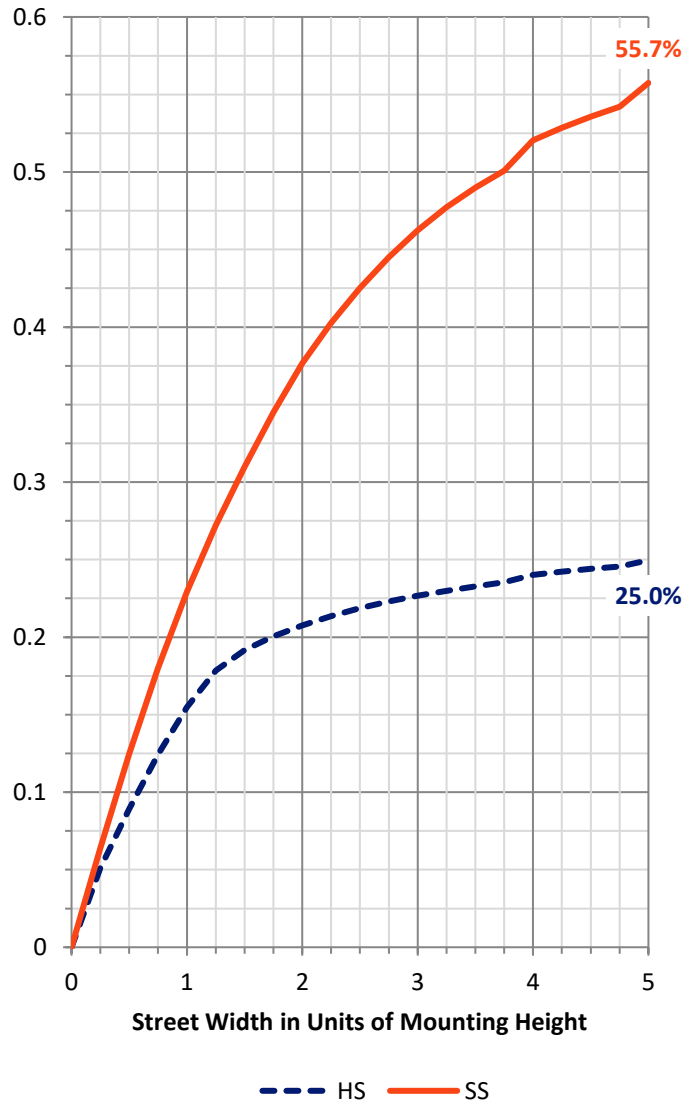
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2560.2	480.7	3041.0
	% Fixture	26.8	5.0	31.8
Street Side	Lumens	5988.2	535.5	6523.7
	% Fixture	62.6	5.6	68.2
Total	Lumens	8548.4	1016.2	9564.7
	% Fixture	89.4	10.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.2
10°-20°	82.4	0.9
20°-30°	226.7	2.4
30°-40°	521.7	5.5
40°-50°	829.5	8.7
50°-60°	1094.8	11.4
60°-70°	1616.6	16.9
70°-80°	2360.2	24.7
80°-90°	1800.3	18.8
90°-100°	527.0	5.5
100°-110°	182.3	1.9
110°-120°	140.2	1.5
120°-130°	89.8	0.9
130°-140°	62.1	0.6
140°-150°	14.6	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8548.4	89.4
0°-180°	9564.7	100.0



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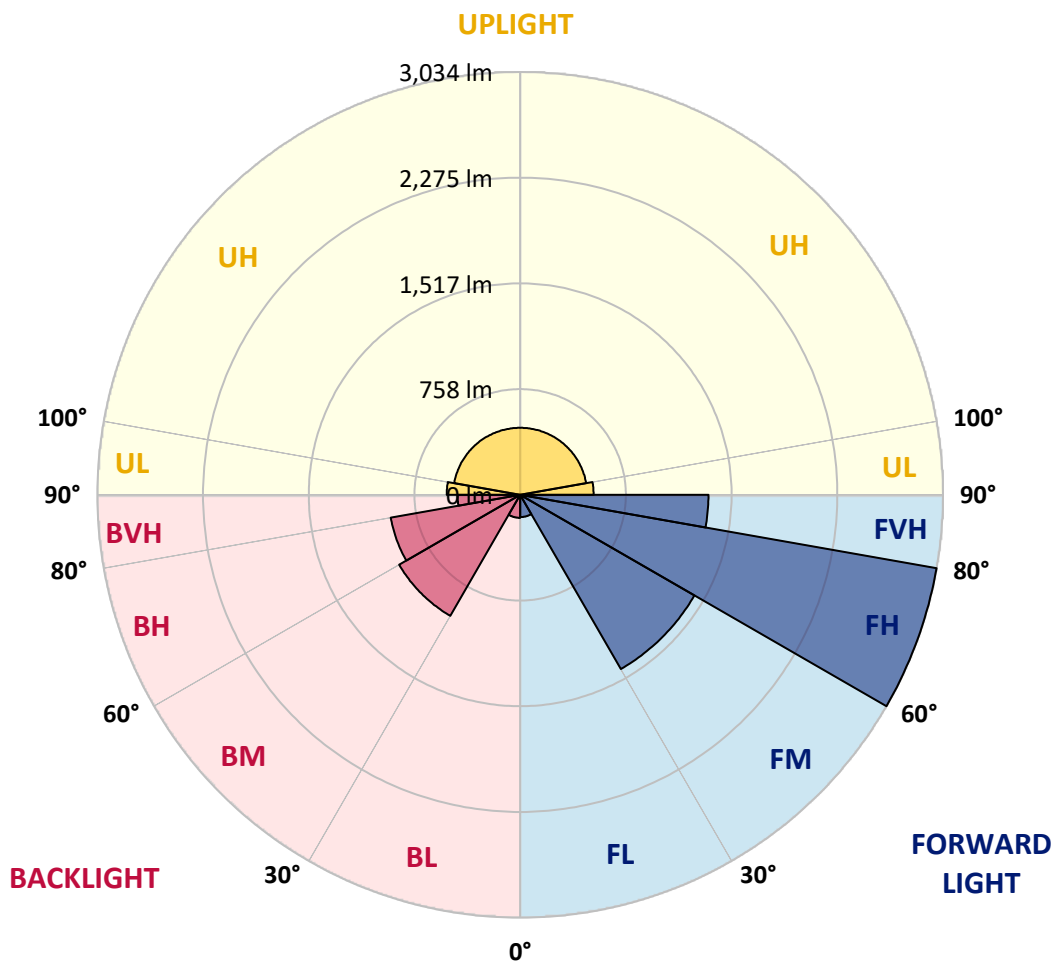
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.9	1.7			
FM (30°-60°)	1443.5	15.1			
FH (60°-80°)	3033.9	31.7			G2/5000
FVH (80°-90°)	1350.9	14.1			G5
BL (0°-30°)	165.4	1.7	B1/500		
BM (30°-60°)	1002.5	10.5	B2/2500		
BH (60°-80°)	943.0	9.9	B2/1000		G2/1000
BVH (80°-90°)	449.4	4.7			G3/500
UL (90°-100°)	527.0	5.5		U4/1000	
UH (100°-180°)	480.7	5.0		U3/500	

BUG Rating: B2-U4-G5

Type IV V Long





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	151.7	155.0	148.4	125.3	118.7	122.0	131.9	135.2	135.2	138.5	141.8
5°	151.7	151.7	148.4	138.5	138.5	138.5	138.5	141.8	141.8	141.8	145.1
7.5°	155.0	158.3	155.0	145.1	148.4	161.6	168.2	161.6	161.6	164.9	168.2
10°	151.7	151.7	151.7	141.8	151.7	171.5	201.2	194.6	197.9	201.2	201.2
12.5°	174.8	174.8	171.5	161.6	161.6	181.4	214.3	214.3	230.8	234.1	237.4
15°	273.7	277.0	267.1	244.0	230.8	214.3	237.4	234.1	247.3	260.5	263.8
17.5°	362.7	362.7	366.0	352.8	333.1	296.8	277.0	286.9	247.3	253.9	257.2
20°	455.1	448.5	438.6	441.9	418.8	389.1	326.5	346.2	283.6	283.6	283.6
22.5°	405.6	399.0	385.8	369.3	392.4	425.4	415.5	412.2	342.9	342.9	346.2
25°	448.5	435.3	399.0	356.1	379.2	461.7	580.4	514.4	445.2	448.5	455.1
27.5°	613.3	600.2	537.5	455.1	435.3	547.4	758.4	705.7	530.9	530.9	540.8
30°	771.6	755.1	699.1	626.5	580.4	554.0	827.7	913.4	659.5	606.7	666.1
32.5°	877.1	870.6	827.7	758.4	728.8	666.1	798.0	1055.2	840.9	689.2	751.8
35°	920.0	923.3	890.3	837.6	824.4	774.9	771.6	1061.8	1048.6	831.0	873.9
37.5°	956.3	959.6	920.0	880.4	877.1	860.7	857.4	1134.4	1220.1	1075.0	1111.3
40°	1015.6	1022.2	976.1	953.0	923.3	959.6	995.9	1134.4	1322.3	1398.2	1309.1
42.5°	1061.8	1068.4	1022.2	999.2	1002.5	1012.3	1134.4	1058.5	1352.0	1675.2	1500.4
45°	1088.2	1091.5	1058.5	1038.7	1055.2	1038.7	1210.2	1028.8	1411.4	1856.5	1731.2
47.5°	1111.3	1114.6	1111.3	1084.9	1088.2	1117.9	1256.4	1002.5	1424.5	1981.8	1922.5
50°	1203.6	1210.2	1210.2	1137.7	1117.9	1223.4	1355.3	1091.5	1441.0	1975.2	1965.3
52.5°	1325.6	1322.3	1256.4	1180.5	1177.2	1328.9	1417.9	1170.6	1754.3	2169.8	2156.6
55°	1259.7	1253.1	1286.0	1282.7	1233.3	1404.8	1523.5	1315.7	1882.9	2347.9	2417.1
57.5°	1500.4	1490.5	1497.1	1375.1	1269.6	1401.5	1622.4	1645.5	2265.4	2769.9	2931.5
60°	2166.5	2117.0	1873.0	1605.9	1411.4	1457.5	1892.8	1751.0	2400.6	2895.2	2977.7
62.5°	2222.5	2206.1	2232.4	2090.6	1754.3	1688.3	2196.2	1790.6	1958.7	2199.5	2255.5
65°	1915.9	1945.6	2169.8	2212.7	2258.8	2067.6	2671.0	2001.6	2407.2	2885.4	2948.0
67.5°	2265.4	2252.2	2262.1	2301.7	2608.4	2516.0	3449.2	2694.1	3215.1	3917.5	4003.2
70°	2901.8	2908.4	2931.5	2892.0	3000.8	2928.2	4013.1	3439.3	3894.4	4511.0	4596.8
72.5°	3099.7	3122.8	3185.4	3188.7	3320.6	3037.0	4178.0	3868.0	4089.0	4910.1	4999.1
75°	2839.2	2931.5	3066.7	3139.3	3208.5	2931.5	3498.7	3927.4	3854.8	4936.4	5117.8
77.5°	2713.9	2776.5	2948.0	3126.1	3046.9	2717.2	2941.4	3746.0	3439.3	4544.0	4656.1
80°	2819.4	2868.9	2948.0	3033.7	2872.2	2387.4	2502.8	3511.9	3155.8	4794.6	4755.1
82.5°	3086.5	3112.9	3017.3	2835.9	2483.1	1869.7	2054.4	3109.6	3175.5	5226.6	5144.2
85°	3297.6	3294.3	2928.2	2377.5	1780.7	1312.4	1622.4	2324.8	3304.1	4995.8	4771.6
87.5°	2783.1	2733.7	2272.0	1662.0	1094.8	824.4	1253.1	1734.5	3323.9	4121.9	3742.7
90°	1770.8	1711.4	1408.1	995.9	652.9	540.8	929.9	1292.6	2796.3	2598.5	2225.8
92.5°	1035.4	999.2	824.4	570.5	385.8	375.9	643.0	768.3	1866.4	1210.2	1101.4
95°	544.1	521.0	428.7	296.8	244.0	277.0	465.0	517.7	1164.0	646.3	649.6
97.5°	158.3	158.3	168.2	168.2	188.0	204.4	326.5	336.4	504.5	375.9	385.8
100°	112.1	112.1	125.3	131.9	158.3	171.5	250.6	207.7	174.8	168.2	174.8
102.5°	105.5	105.5	115.4	122.0	145.1	158.3	201.2	178.1	158.3	148.4	158.3
105°	102.2	105.5	112.1	112.1	135.2	155.0	171.5	161.6	155.0	145.1	151.7
107.5°	102.2	102.2	105.5	105.5	131.9	164.9	158.3	155.0	164.9	145.1	151.7
110°	95.6	95.6	98.9	95.6	128.6	191.3	168.2	158.3	164.9	151.7	158.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	89.0	89.0	85.7	85.7	112.1	184.7	164.9	138.5	141.8	148.4	151.7
115°	85.7	85.7	79.1	79.1	102.2	155.0	155.0	118.7	128.6	138.5	141.8
117.5°	85.7	85.7	79.1	75.8	95.6	131.9	155.0	108.8	115.4	128.6	131.9
120°	82.4	82.4	75.8	69.2	92.3	115.4	145.1	98.9	105.5	118.7	122.0
122.5°	75.8	75.8	72.5	62.7	82.4	102.2	122.0	95.6	95.6	112.1	118.7
125°	69.2	69.2	62.7	52.8	69.2	85.7	98.9	92.3	89.0	98.9	105.5
127.5°	66.0	66.0	59.4	42.9	56.1	72.5	79.1	82.4	82.4	85.7	89.0
130°	62.7	62.7	56.1	36.3	46.2	62.7	66.0	72.5	79.1	79.1	79.1
132.5°	69.2	69.2	62.7	42.9	46.2	52.8	59.4	72.5	82.4	79.1	79.1
135°	118.7	118.7	105.5	72.5	52.8	36.3	85.7	105.5	155.0	155.0	145.1
137.5°	105.5	105.5	89.0	56.1	36.3	23.1	72.5	115.4	211.0	211.0	194.6
140°	75.8	75.8	69.2	39.6	19.8	6.6	33.0	69.2	115.4	125.3	125.3
142.5°	39.6	42.9	36.3	9.9	0.0	0.0	3.3	23.1	42.9	56.1	59.4
145°	23.1	23.1	19.8	0.0	0.0	0.0	0.0	6.6	16.5	26.4	26.4
147.5°	13.2	13.2	13.2	0.0	0.0	0.0	0.0	0.0	3.3	6.6	9.9
150°	9.9	9.9	9.9	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	141.8	138.5	135.2	138.5	138.5	141.8	151.7	164.9	184.7	188.0	184.7
5°	145.1	148.4	155.0	161.6	168.2	174.8	184.7	188.0	197.9	204.4	204.4
7.5°	171.5	174.8	178.1	184.7	188.0	194.6	194.6	191.3	204.4	211.0	211.0
10°	204.4	207.7	207.7	207.7	211.0	207.7	204.4	204.4	214.3	214.3	214.3
12.5°	237.4	240.7	240.7	247.3	240.7	234.1	237.4	250.6	263.8	267.1	263.8
15°	267.1	267.1	286.9	306.7	306.7	306.7	323.2	329.8	346.2	349.5	346.2
17.5°	263.8	270.4	336.4	336.4	349.5	369.3	369.3	385.8	408.9	415.5	415.5
20°	290.2	316.6	372.6	362.7	372.6	372.6	392.4	415.5	438.6	441.9	438.6
22.5°	349.5	362.7	385.8	379.2	379.2	375.9	379.2	375.9	402.3	418.8	425.4
25°	478.1	570.5	544.1	474.8	395.7	372.6	382.5	422.1	474.8	511.1	524.3
27.5°	626.5	659.5	600.2	517.7	418.8	418.8	461.7	537.5	633.1	689.2	695.8
30°	745.2	741.9	652.9	544.1	461.7	494.6	577.1	659.5	768.3	831.0	840.9
32.5°	794.7	741.9	649.6	563.9	514.4	577.1	679.3	774.9	877.1	943.1	946.4
35°	896.9	864.0	735.4	537.5	537.5	636.4	745.2	834.3	933.2	982.7	986.0
37.5°	1131.1	1061.8	867.3	573.8	567.2	676.0	781.5	860.7	976.1	1045.3	1048.6
40°	1236.6	1160.7	890.3	583.7	606.7	712.3	821.1	926.6	1055.2	1127.8	1124.5
42.5°	1276.2	1200.3	923.3	593.6	629.8	751.8	873.9	992.6	1108.0	1167.3	1160.7
45°	1352.0	1256.4	903.5	613.3	652.9	798.0	920.0	1038.7	1173.9	1233.3	1233.3
47.5°	1464.1	1282.7	900.2	629.8	692.5	844.2	966.2	1091.5	1220.1	1282.7	1289.3
50°	1421.2	1206.9	883.7	662.8	755.1	890.3	1015.6	1164.0	1239.9	1216.8	1210.2
52.5°	1582.8	1279.4	953.0	685.9	804.6	933.2	1058.5	1081.6	976.1	807.9	784.8
55°	1922.5	1411.4	969.5	709.0	784.8	939.8	953.0	741.9	570.5	471.5	461.7
57.5°	2506.1	1540.0	1012.3	745.2	771.6	854.1	682.6	530.9	451.8	389.1	382.5
60°	2901.8	1675.2	1002.5	738.7	741.9	672.7	544.1	458.4	418.8	375.9	369.3
62.5°	2430.3	1378.4	857.4	702.4	639.7	560.6	504.5	458.4	428.7	379.2	369.3
65°	2990.9	1780.7	962.9	669.4	567.2	544.1	517.7	474.8	448.5	405.6	389.1
67.5°	4019.7	2410.5	1157.4	728.8	590.3	557.3	534.2	501.2	494.6	425.4	392.4
70°	4573.7	2816.1	1342.1	811.2	662.8	603.5	567.2	527.6	563.9	418.8	359.4
72.5°	4718.8	3083.2	1464.1	860.7	715.6	649.6	600.2	563.9	646.3	428.7	362.7
75°	4649.5	3228.3	1493.8	877.1	725.5	656.2	623.2	623.2	758.4	415.5	359.4
77.5°	4184.6	2931.5	1335.5	844.2	712.3	652.9	636.4	765.0	814.5	382.5	339.6
80°	3937.3	2697.4	1236.6	850.8	709.0	649.6	636.4	821.1	751.8	369.3	342.9
82.5°	3749.3	2684.2	1220.1	854.1	685.9	623.2	616.6	695.8	557.3	356.1	336.4
85°	3132.7	2466.6	1101.4	761.7	629.8	590.3	570.5	521.0	418.8	339.6	323.2
87.5°	2403.9	2024.7	913.4	610.0	550.7	557.3	514.4	435.3	372.6	319.9	310.0
90°	1896.1	1638.9	745.2	471.5	435.3	494.6	445.2	382.5	339.6	296.8	290.2
92.5°	1058.5	949.7	514.4	356.1	339.6	402.3	366.0	339.6	313.3	283.6	277.0
95°	669.4	610.0	389.1	286.9	286.9	319.9	310.0	306.7	293.5	273.7	270.4
97.5°	418.8	408.9	316.6	217.6	244.0	273.7	280.3	280.3	280.3	267.1	263.8
100°	184.7	178.1	181.4	178.1	211.0	247.3	257.2	260.5	267.1	260.5	257.2
102.5°	161.6	148.4	148.4	158.3	188.0	220.9	240.7	247.3	257.2	253.9	253.9
105°	161.6	148.4	135.2	145.1	171.5	201.2	224.2	234.1	247.3	247.3	244.0
107.5°	174.8	171.5	131.9	138.5	161.6	188.0	211.0	224.2	237.4	240.7	237.4
110°	181.4	178.1	141.8	131.9	148.4	178.1	197.9	214.3	230.8	234.1	234.1



REPORT NUMBER: P192389

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	171.5	174.8	145.1	122.0	138.5	161.6	188.0	204.4	220.9	227.5	224.2
115°	151.7	151.7	125.3	115.4	128.6	151.7	174.8	191.3	211.0	217.6	217.6
117.5°	135.2	128.6	105.5	108.8	122.0	141.8	164.9	181.4	201.2	211.0	211.0
120°	122.0	118.7	92.3	98.9	115.4	135.2	151.7	168.2	191.3	201.2	201.2
122.5°	115.4	108.8	85.7	85.7	105.5	125.3	141.8	155.0	178.1	191.3	188.0
125°	105.5	98.9	75.8	72.5	92.3	112.1	128.6	141.8	168.2	178.1	178.1
127.5°	92.3	85.7	69.2	56.1	79.1	98.9	115.4	128.6	155.0	164.9	164.9
130°	82.4	75.8	62.7	46.2	66.0	85.7	102.2	115.4	141.8	151.7	151.7
132.5°	75.8	72.5	56.1	42.9	52.8	72.5	89.0	102.2	128.6	138.5	138.5
135°	122.0	105.5	79.1	46.2	42.9	56.1	72.5	89.0	115.4	125.3	125.3
137.5°	158.3	135.2	98.9	46.2	26.4	42.9	56.1	75.8	102.2	112.1	112.1
140°	105.5	89.0	66.0	33.0	13.2	23.1	42.9	62.7	89.0	95.6	95.6
142.5°	59.4	52.8	39.6	16.5	3.3	3.3	26.4	46.2	72.5	82.4	79.1
145°	29.7	29.7	19.8	6.6	0.0	0.0	9.9	29.7	56.1	66.0	66.0
147.5°	9.9	9.9	3.3	0.0	0.0	0.0	0.0	13.2	39.6	49.5	46.2
150°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3	19.8	29.7	29.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)