

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: P560442

Luminaire Tested: **SDL-PA1-40-827-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-827-U-SL3-A
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3391.6 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

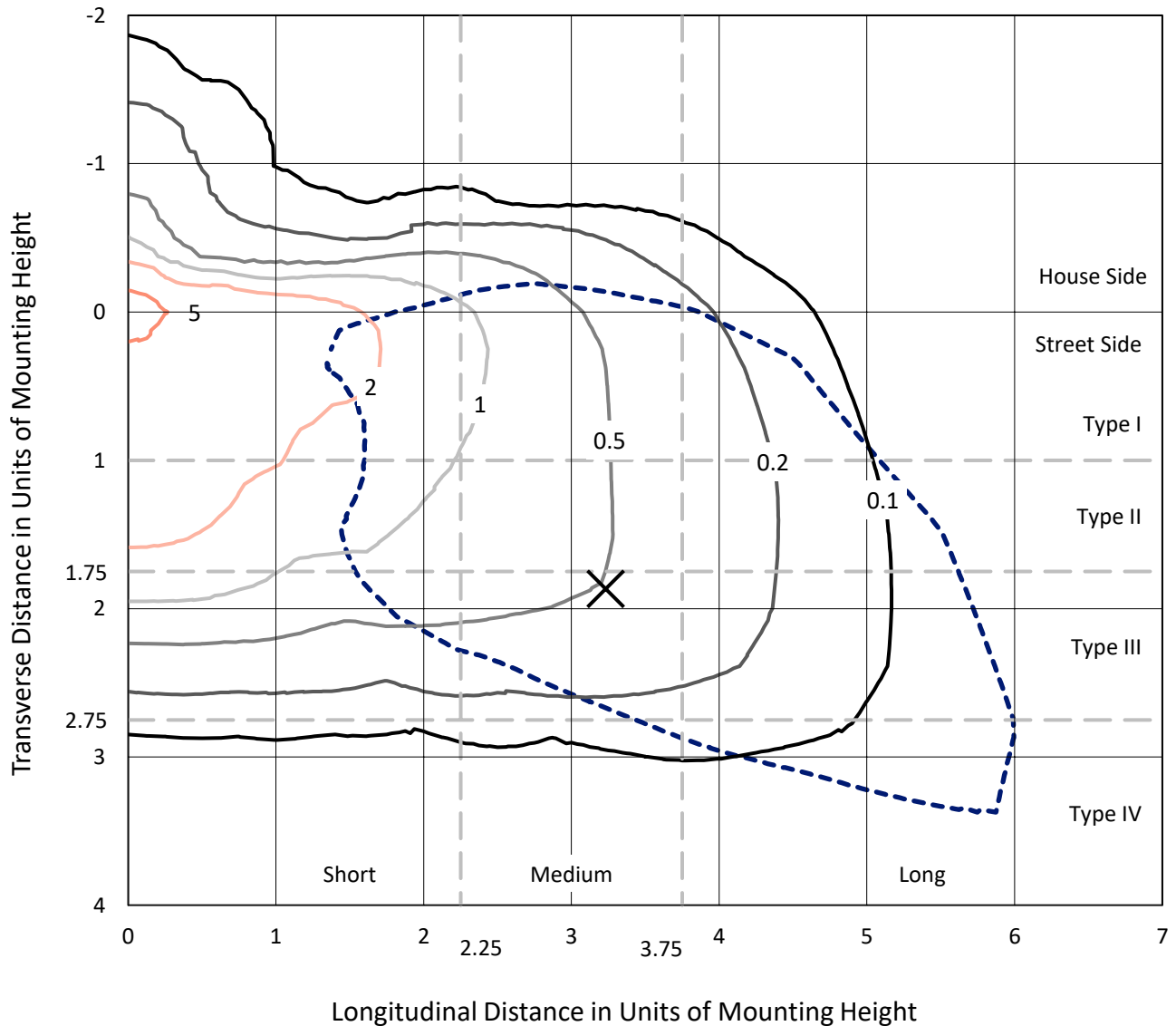
Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

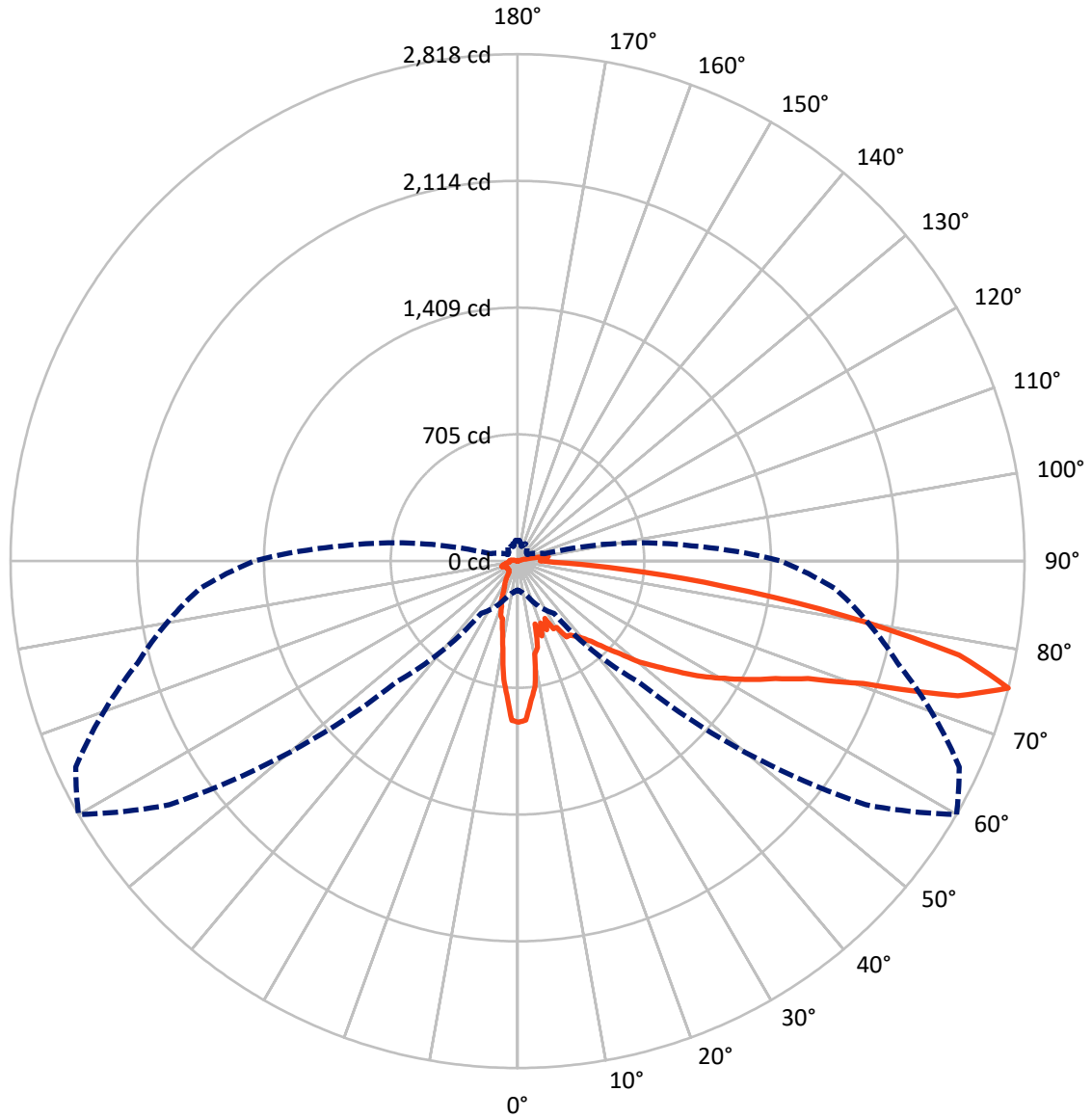
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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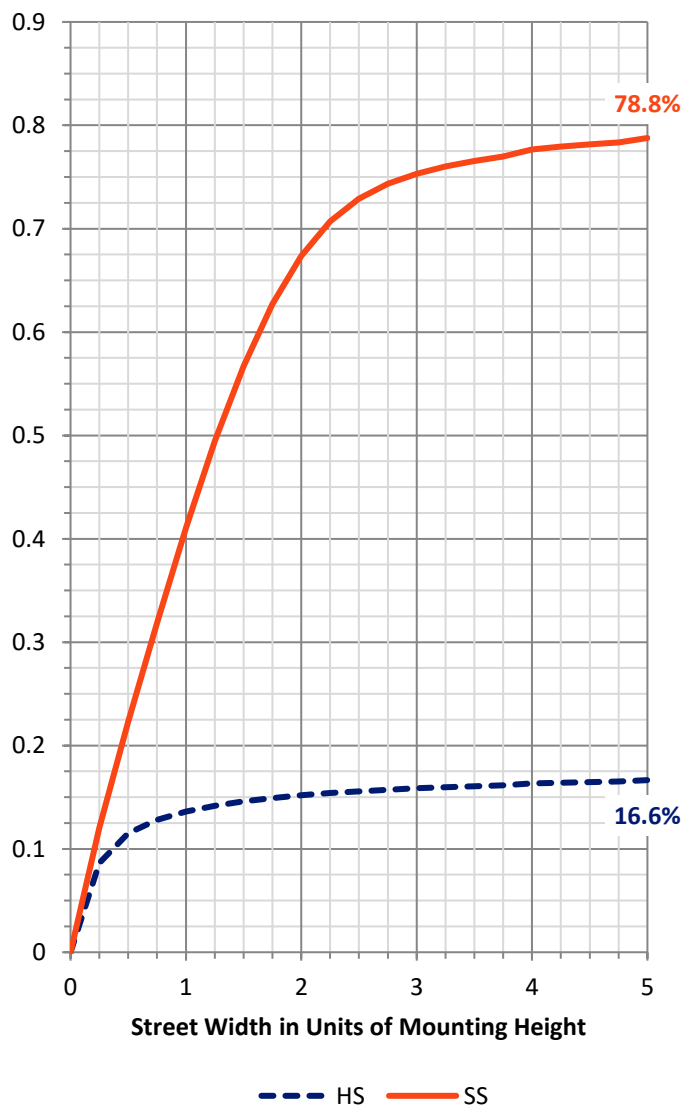
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	595.4	45.1	640.5
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	2703.3	47.7	2751.1
	% Fixture	79.7	1.4	81.1
Total	Lumens	3298.8	92.8	3391.6
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.9
10°-20°	117.3	3.5
20°-30°	152.0	4.5
30°-40°	253.3	7.5
40°-50°	405.6	12.0
50°-60°	622.7	18.4
60°-70°	778.1	22.9
70°-80°	709.7	20.9
80°-90°	194.2	5.7
90°-100°	65.2	1.9
100°-110°	14.8	0.4
110°-120°	4.7	0.1
120°-130°	4.4	0.1
130°-140°	2.1	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3298.8	97.3
0°-180°	3391.6	100.0

Coefficient of Utilization



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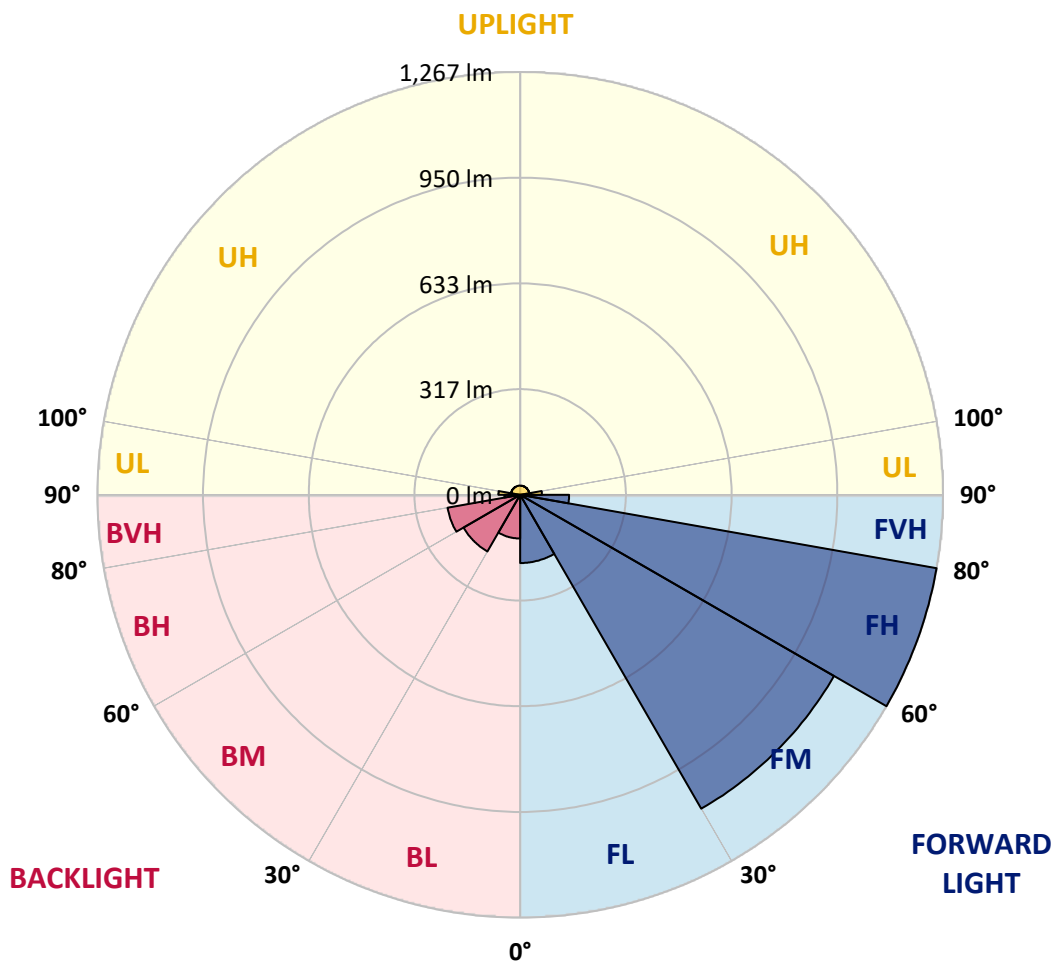
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.3	6.0			
FM (30°-60°)	1085.7	32.0			
FH (60°-80°)	1266.8	37.4			G1/1800
FVH (80°-90°)	146.5	4.3			G2/225
BL (0°-30°)	130.9	3.9	B1/500		
BM (30°-60°)	195.9	5.8	B0/220		
BH (60°-80°)	220.9	6.5	B1/500		G1/500
BVH (80°-90°)	47.7	1.4			G1/100
UL (90°-100°)	65.2	1.9		U3/500	
UH (100°-180°)	27.6	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7
2.5°	751.5	821.6	815.0	869.2	869.2	881.1	886.4	885.1	890.4	895.7	894.4
5°	691.9	693.3	698.6	710.5	714.4	718.4	731.6	777.9	856.0	874.5	874.5
7.5°	571.5	603.3	643.0	649.6	673.4	685.3	699.9	702.5	649.6	744.9	754.1
10°	579.5	580.8	578.2	592.7	575.5	568.9	522.6	525.2	530.5	566.3	637.7
12.5°	453.8	480.3	537.1	563.6	521.3	475.0	472.3	494.8	504.1	451.2	562.3
15°	518.6	521.3	522.6	523.9	389.0	451.2	394.3	362.5	406.2	512.0	582.1
17.5°	406.2	408.8	471.0	469.7	428.7	346.6	428.7	437.9	420.7	435.3	486.9
20°	476.3	477.6	473.6	367.8	375.7	424.7	369.1	367.8	389.0	501.4	566.3
22.5°	391.6	386.3	385.0	420.7	382.4	408.8	358.5	415.4	451.2	447.2	427.3
25°	490.8	489.5	469.7	366.5	391.6	346.6	419.4	351.9	390.3	541.1	566.3
27.5°	459.1	440.6	407.5	423.4	365.2	406.2	373.1	426.0	449.8	555.7	656.2
30°	594.0	580.8	542.4	427.3	403.5	374.4	399.6	427.3	512.0	715.8	750.2
32.5°	784.6	770.0	632.4	523.9	423.4	443.2	420.7	501.4	564.9	730.3	756.8
35°	842.8	822.9	755.4	635.1	485.6	471.0	448.5	505.4	572.9	768.7	768.7
37.5°	875.8	874.5	842.8	701.2	547.7	539.8	482.9	530.5	604.6	805.7	797.8
40°	881.1	887.8	902.3	759.4	621.8	604.6	527.9	564.9	649.6	850.7	834.8
42.5°	924.8	936.7	969.8	836.2	695.9	680.0	580.8	615.2	698.6	916.9	912.9
45°	994.9	1006.8	1035.9	920.8	760.7	750.2	666.8	688.0	777.9	1033.3	996.2
47.5°	1140.4	1143.1	1131.2	990.9	830.9	830.9	750.2	770.0	849.4	1140.4	1104.7
50°	1286.0	1270.1	1217.2	1074.3	901.0	920.8	836.2	882.5	930.1	1248.9	1200.0
52.5°	1366.7	1364.0	1292.6	1137.8	961.8	1000.2	935.4	975.1	1004.2	1358.7	1290.0
55°	1369.3	1365.4	1316.4	1168.2	1018.7	1082.2	1034.6	1086.2	1107.4	1444.7	1413.0
57.5°	1325.7	1336.3	1311.1	1185.4	1046.5	1161.6	1155.0	1210.6	1221.2	1546.6	1497.7
60°	1256.9	1255.6	1286.0	1201.3	1088.9	1237.0	1266.1	1323.0	1379.9	1624.7	1573.1
62.5°	1084.9	1096.8	1182.8	1201.3	1135.2	1334.9	1390.5	1450.0	1520.2	1696.1	1640.6
65°	849.4	856.0	990.9	1114.0	1148.4	1465.9	1516.2	1575.7	1649.8	1768.9	1716.0
67.5°	513.3	557.0	673.4	916.9	1080.9	1623.4	1716.0	1741.1	1783.4	1850.9	1827.1
70°	292.4	305.6	361.2	576.8	902.3	1673.6	2083.8	2038.8	1995.1	2011.0	1966.0
72.5°	222.3	230.2	255.3	341.3	539.8	1477.8	2393.4	2560.1	2372.2	2177.7	1962.0
75°	161.4	169.3	194.5	275.2	354.6	947.3	2361.6	2818.0	2709.6	2185.6	1774.2
77.5°	100.5	101.9	116.4	234.2	318.8	475.0	1848.3	2509.8	2557.4	2041.4	1471.2
80°	70.1	71.4	74.1	125.7	293.7	381.0	1241.0	1843.0	1910.4	1420.9	750.2
82.5°	50.3	52.9	55.6	74.1	190.5	363.8	772.6	1160.3	1022.7	514.7	304.3
85°	26.5	29.1	35.7	45.0	76.7	395.6	463.1	590.1	467.0	209.0	181.3
87.5°	10.6	9.3	7.9	11.9	21.2	152.1	179.9	198.5	153.5	117.7	144.2
90°	9.3	7.9	5.3	6.6	9.3	54.2	113.8	127.0	105.8	115.1	145.5
92.5°	9.3	7.9	5.3	5.3	9.3	54.2	136.3	138.9	109.8	117.7	152.1
95°	9.3	9.3	5.3	5.3	9.3	49.0	161.4	158.8	113.8	124.4	161.4
97.5°	9.3	9.3	4.0	5.3	9.3	33.1	166.7	172.0	111.1	88.6	133.6
100°	9.3	9.3	4.0	4.0	7.9	21.2	116.4	125.7	82.0	29.1	33.1
102.5°	9.3	9.3	4.0	4.0	5.3	14.6	51.6	62.2	49.0	9.3	10.6
105°	9.3	10.6	2.6	2.6	4.0	7.9	22.5	25.1	19.8	6.6	11.9
107.5°	10.6	11.9	2.6	2.6	2.6	4.0	7.9	9.3	5.3	5.3	11.9
110°	11.9	11.9	2.6	2.6	2.6	4.0	2.6	2.6	4.0	5.3	13.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	9.3	7.9	1.3	2.6	2.6	2.6	2.6	2.6	2.6	5.3	13.2
115°	5.3	4.0	1.3	2.6	2.6	2.6	1.3	2.6	4.0	5.3	11.9
117.5°	5.3	4.0	1.3	1.3	1.3	2.6	1.3	1.3	4.0	6.6	14.6
120°	4.0	4.0	1.3	1.3	1.3	1.3	1.3	2.6	2.6	9.3	19.8
122.5°	4.0	4.0	1.3	1.3	1.3	1.3	1.3	2.6	2.6	9.3	19.8
125°	5.3	5.3	2.6	1.3	1.3	1.3	1.3	2.6	2.6	7.9	18.5
127.5°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	2.6	2.6	6.6	14.6
130°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	2.6	1.3	6.6	11.9
132.5°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	1.3	1.3	4.0	9.3
135°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	6.6
137.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
140°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3
150°	2.6	2.6	5.3	4.0	2.6	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	5.3	5.3	5.3	4.0	1.3	1.3	2.6	4.0	1.3	1.3	1.3
155°	4.0	4.0	4.0	1.3	1.3	1.3	1.3	1.3	2.6	4.0	4.0
157.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7
2.5°	890.4	893.0	890.4	887.8	885.1	877.2	822.9	756.8	751.5	756.8	754.1
5°	867.9	867.9	866.6	775.3	721.0	705.2	701.2	697.2	689.3	685.3	688.0
7.5°	748.8	744.9	698.6	616.5	668.1	649.6	639.0	633.7	554.3	525.2	527.9
10°	625.8	625.8	519.9	490.8	488.2	496.1	550.4	546.4	535.8	529.2	535.8
12.5°	539.8	562.3	412.8	441.9	358.5	396.9	434.0	460.4	379.7	357.2	361.2
15°	572.9	564.9	453.8	346.6	316.2	333.4	267.3	334.7	329.4	318.8	317.5
17.5°	500.1	459.1	378.4	325.5	312.2	235.5	228.9	236.8	217.0	198.5	207.7
20°	543.8	521.3	400.9	289.7	240.8	214.3	161.4	150.8	191.8	201.1	199.8
22.5°	453.8	378.4	328.1	288.4	194.5	153.5	121.7	133.6	142.9	152.1	156.1
25°	533.2	492.2	358.5	215.7	157.4	112.5	109.8	99.2	149.5	170.7	169.3
27.5°	615.2	557.0	345.3	202.4	113.8	96.6	88.6	100.5	104.5	117.7	125.7
30°	688.0	617.9	399.6	187.9	95.3	72.8	79.4	82.0	101.9	109.8	109.8
32.5°	685.3	600.7	357.2	160.1	78.1	66.2	66.2	78.1	90.0	108.5	109.8
35°	684.0	587.4	318.8	124.4	68.8	58.2	60.9	74.1	90.0	100.5	101.9
37.5°	699.9	583.5	280.5	100.5	62.2	55.6	58.2	70.1	96.6	107.2	107.2
40°	723.7	586.1	242.1	86.0	59.5	54.2	55.6	74.1	87.3	96.6	96.6
42.5°	796.5	624.5	209.0	79.4	59.5	52.9	52.9	68.8	88.6	104.5	105.8
45°	850.7	654.9	183.9	79.4	58.2	50.3	55.6	68.8	78.1	115.1	123.0
47.5°	938.0	710.5	160.1	79.4	58.2	49.0	51.6	67.5	82.0	132.3	137.6
50°	1025.3	766.0	149.5	79.4	58.2	47.6	58.2	64.8	82.0	137.6	141.6
52.5°	1118.0	834.8	142.9	79.4	58.2	50.3	63.5	78.1	88.6	123.0	121.7
55°	1213.2	895.7	138.9	82.0	58.2	50.3	68.8	72.8	75.4	95.3	97.9
57.5°	1301.9	969.8	146.9	82.0	56.9	52.9	64.8	71.4	66.2	83.4	84.7
60°	1372.0	1037.3	166.7	79.4	55.6	52.9	66.2	78.1	74.1	91.3	93.9
62.5°	1452.7	1108.7	213.0	80.7	55.6	54.2	74.1	84.7	75.4	90.0	95.3
65°	1558.5	1217.2	264.6	88.6	56.9	56.9	75.4	91.3	75.4	88.6	88.6
67.5°	1677.6	1317.7	264.6	103.2	60.9	60.9	75.4	96.6	80.7	88.6	88.6
70°	1764.9	1323.0	218.3	113.8	66.2	64.8	78.1	100.5	82.0	97.9	96.6
72.5°	1668.3	1178.8	181.3	112.5	71.4	67.5	88.6	103.2	83.4	111.1	109.8
75°	1464.6	972.4	157.4	100.5	64.8	68.8	92.6	105.8	84.7	116.4	113.8
77.5°	1155.0	709.1	133.6	84.7	56.9	66.2	95.3	108.5	87.3	123.0	121.7
80°	559.6	355.9	108.5	71.4	51.6	63.5	95.3	107.2	86.0	127.0	127.0
82.5°	252.7	177.3	74.1	49.0	51.6	64.8	97.9	108.5	86.0	124.4	123.0
85°	164.1	121.7	47.6	38.4	51.6	74.1	99.2	103.2	82.0	115.1	115.1
87.5°	123.0	84.7	25.1	23.8	56.9	80.7	99.2	95.3	79.4	108.5	105.8
90°	125.7	90.0	26.5	23.8	60.9	82.0	99.2	93.9	76.7	97.9	97.9
92.5°	136.3	99.2	30.4	26.5	62.2	74.1	93.9	84.7	71.4	84.7	83.4
95°	148.2	111.1	35.7	30.4	54.2	54.2	74.1	68.8	60.9	64.8	64.8
97.5°	108.5	79.4	31.8	33.1	41.0	34.4	49.0	46.3	31.8	29.1	27.8
100°	31.8	26.5	29.1	31.8	29.1	25.1	37.0	35.7	21.2	10.6	10.6
102.5°	11.9	13.2	26.5	29.1	22.5	18.5	26.5	29.1	17.2	2.6	4.0
105°	10.6	9.3	18.5	22.5	13.2	10.6	13.2	18.5	10.6	2.6	2.6
107.5°	11.9	9.3	9.3	11.9	5.3	5.3	5.3	6.6	4.0	2.6	2.6
110°	11.9	9.3	5.3	5.3	4.0	4.0	4.0	2.6	2.6	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.9	9.3	5.3	5.3	4.0	4.0	2.6	2.6	4.0	6.6	6.6
115°	13.2	10.6	5.3	4.0	2.6	4.0	2.6	1.3	4.0	9.3	9.3
117.5°	15.9	11.9	4.0	4.0	2.6	2.6	2.6	1.3	4.0	11.9	13.2
120°	19.8	14.6	5.3	2.6	2.6	2.6	2.6	1.3	5.3	13.2	14.6
122.5°	19.8	15.9	5.3	2.6	2.6	1.3	1.3	2.6	5.3	13.2	14.6
125°	18.5	14.6	5.3	2.6	2.6	1.3	1.3	1.3	6.6	13.2	14.6
127.5°	14.6	13.2	5.3	2.6	1.3	1.3	1.3	2.6	5.3	11.9	11.9
130°	11.9	10.6	4.0	2.6	1.3	1.3	1.3	1.3	5.3	9.3	10.6
132.5°	9.3	7.9	4.0	2.6	1.3	1.3	1.3	1.3	5.3	9.3	9.3
135°	6.6	6.6	2.6	1.3	1.3	1.3	1.3	1.3	4.0	6.6	7.9
137.5°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	4.0	4.0
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	2.6	2.6
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	2.6
145°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	2.6	2.6
155°	4.0	4.0	4.0	2.6	1.3	0.0	0.0	0.0	1.3	1.3	2.6
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
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)