

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: P560450

Luminaire Tested: **SDL-PA1-40-827-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
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-T2U-A
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3464.4 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G1

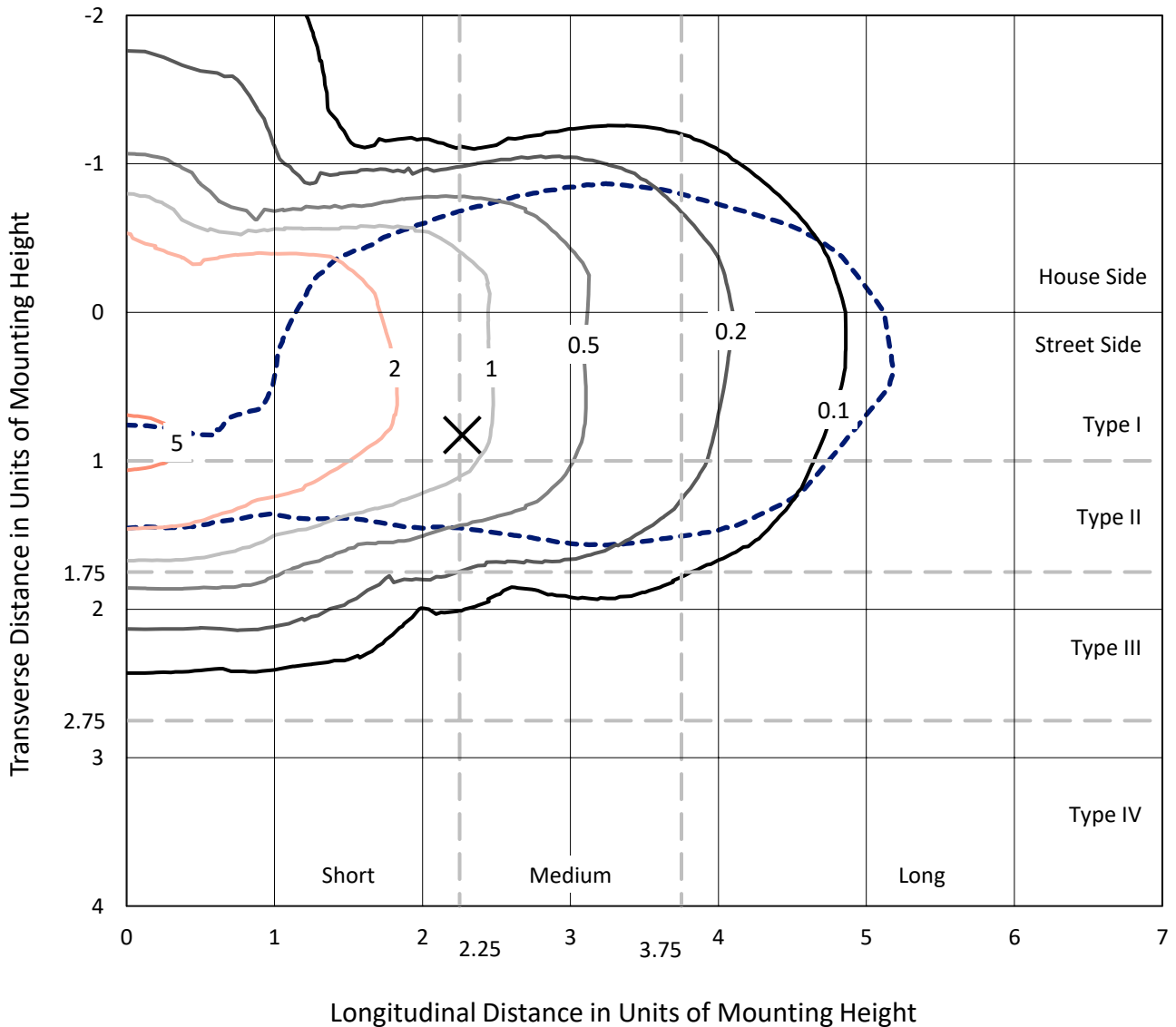
Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

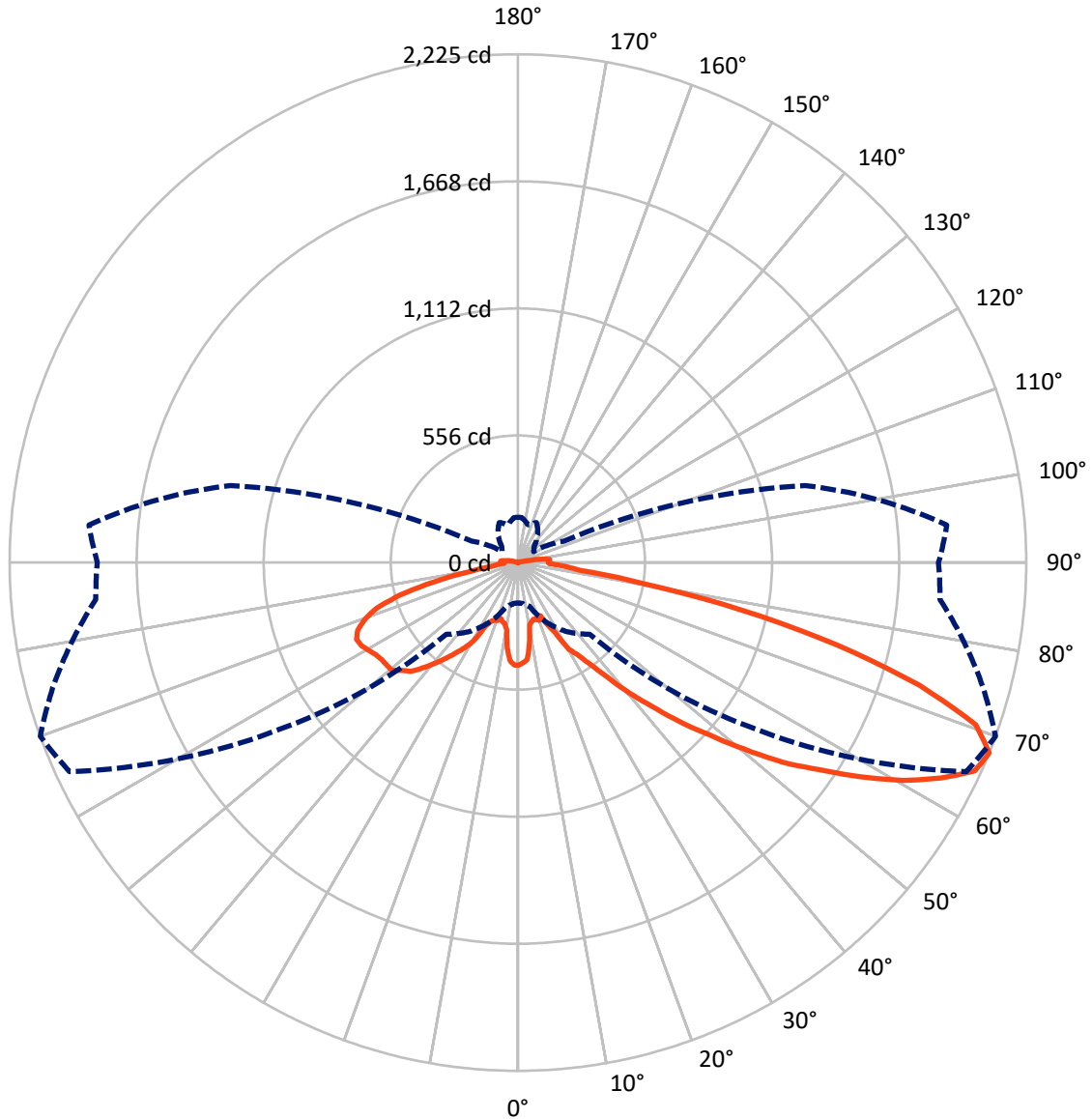
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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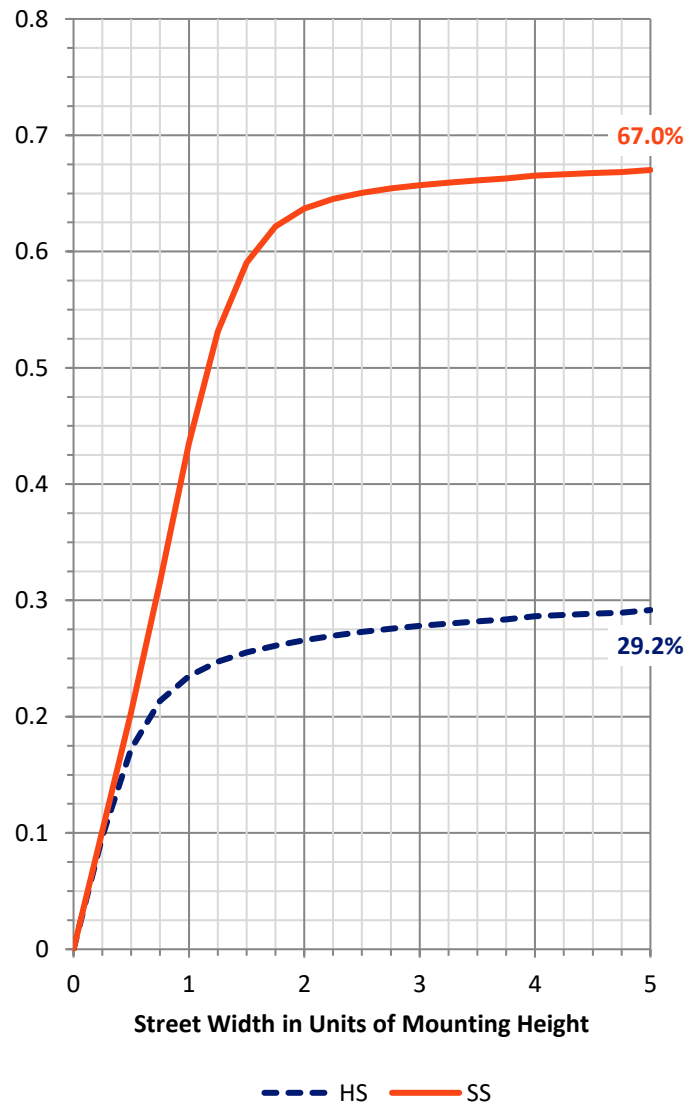
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1042.0	40.8	1082.9
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	2342.0	39.5	2381.5
	% Fixture	67.6	1.1	68.7
Total	Lumens	3384.1	80.3	3464.4
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	1.0
10°-20°	83.1	2.4
20°-30°	147.4	4.3
30°-40°	310.7	9.0
40°-50°	580.9	16.8
50°-60°	804.5	23.2
60°-70°	775.7	22.4
70°-80°	510.0	14.7
80°-90°	135.9	3.9
90°-100°	55.7	1.6
100°-110°	12.2	0.4
110°-120°	5.3	0.2
120°-130°	3.8	0.1
130°-140°	1.7	0.0
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°	3384.1	97.7
0°-180°	3464.4	100.0



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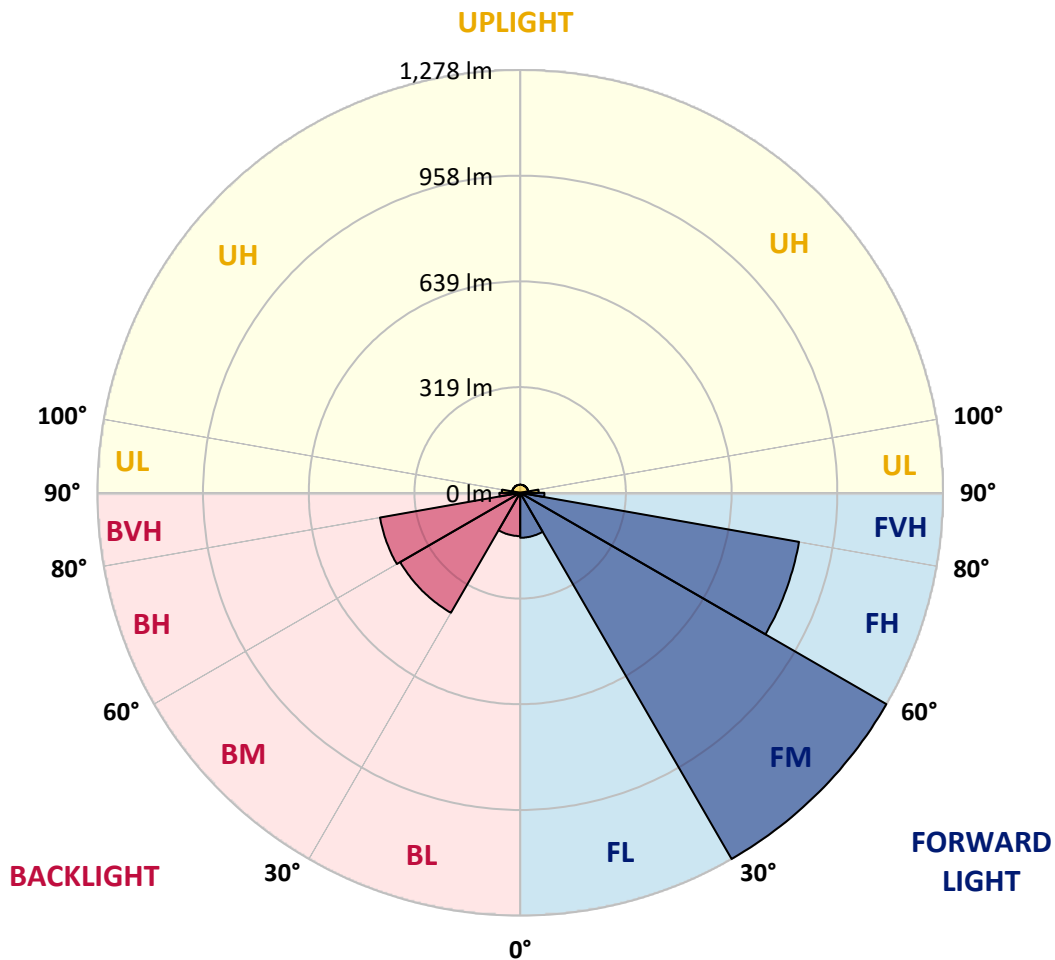
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.8	3.9			
FM (30°-60°)	1277.6	36.9			
FH (60°-80°)	855.5	24.7			G1/1800
FVH (80°-90°)	73.1	2.1			G1/100
BL (0°-30°)	130.7	3.8	B1/500		
BM (30°-60°)	418.4	12.1	B1/1000		
BH (60°-80°)	430.2	12.4	B1/500		G1/500
BVH (80°-90°)	62.8	1.8			G1/100
UL (90°-100°)	55.7	1.6		U3/500	
UH (100°-180°)	24.6	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4
2.5°	374.3	404.7	395.5	424.5	431.2	437.8	439.1	440.4	439.1	440.4	443.1
5°	353.1	354.5	355.8	358.4	358.4	361.1	366.4	421.9	427.2	431.2	436.5
7.5°	294.9	308.2	333.3	342.5	346.5	351.8	354.5	354.5	359.7	373.0	382.2
10°	328.0	325.4	326.7	328.0	309.5	305.5	277.7	273.8	277.7	287.0	330.6
12.5°	275.1	288.3	316.1	322.7	300.2	265.8	261.9	267.2	265.8	239.4	280.4
15°	318.7	317.4	314.8	309.5	251.3	263.2	226.2	228.8	256.6	275.1	313.5
17.5°	277.7	276.4	313.5	302.9	264.5	205.0	257.9	239.4	261.9	242.0	259.2
20°	345.2	343.9	339.9	252.6	269.8	272.5	250.0	231.5	269.8	279.1	314.8
22.5°	313.5	313.5	338.6	332.0	273.8	288.3	238.1	281.7	252.6	256.6	238.1
25°	431.2	427.2	421.9	308.2	329.3	264.5	294.9	259.2	301.5	326.7	342.5
27.5°	417.9	410.0	404.7	408.7	330.6	346.5	292.3	322.7	347.8	358.4	399.4
30°	587.2	576.6	560.8	428.5	411.3	354.5	353.1	399.4	440.4	473.5	496.0
32.5°	748.6	751.2	669.2	575.3	455.0	473.5	420.6	468.2	481.4	515.8	529.0
35°	960.2	933.7	882.2	718.2	554.2	535.6	489.4	534.3	547.5	580.6	588.5
37.5°	1126.8	1128.2	1048.8	863.6	663.9	648.1	567.4	613.7	637.5	674.5	661.3
40°	1286.9	1293.5	1230.0	1013.1	802.8	759.2	661.3	715.5	748.6	771.1	748.6
42.5°	1429.7	1428.4	1384.7	1178.4	932.4	907.3	760.5	830.6	859.7	880.8	863.6
45°	1542.1	1538.2	1498.5	1313.3	1085.8	1120.2	890.1	962.8	993.3	1017.1	974.7
47.5°	1580.5	1559.3	1542.1	1411.2	1228.7	1308.0	1050.1	1091.1	1126.8	1167.8	1099.1
50°	1539.5	1511.7	1518.3	1457.5	1349.0	1465.4	1222.1	1239.3	1282.9	1318.6	1216.8
52.5°	1368.9	1362.3	1399.3	1411.2	1400.6	1585.8	1415.2	1366.2	1452.2	1456.2	1338.4
55°	1144.0	1136.1	1223.4	1272.3	1351.7	1633.4	1579.2	1544.8	1600.3	1593.7	1446.9
57.5°	921.8	916.5	995.9	1076.6	1214.1	1606.9	1694.2	1740.5	1768.3	1731.3	1547.4
60°	617.6	628.2	764.5	872.9	993.3	1448.2	1737.9	1923.0	1936.3	1856.9	1653.2
62.5°	394.1	408.7	496.0	673.2	742.0	1175.8	1706.1	2085.7	2077.8	1970.6	1751.1
65°	252.6	257.9	300.2	456.3	531.7	779.0	1564.6	2196.8	2198.1	2072.5	1829.1
67.5°	177.2	178.5	198.4	284.4	367.7	443.1	1272.3	2165.1	2224.6	2106.9	1854.3
70°	158.7	160.0	165.3	193.1	279.1	275.1	771.1	1934.9	2126.7	2061.9	1815.9
72.5°	141.5	142.8	152.1	168.0	214.3	215.6	369.0	1540.8	1838.4	1901.9	1702.2
75°	117.7	120.4	130.9	157.4	165.3	181.2	247.3	1083.2	1446.9	1638.7	1567.3
77.5°	99.2	100.5	108.5	133.6	144.2	146.8	211.6	600.5	999.9	1206.2	1380.8
80°	79.4	79.4	86.0	105.8	119.0	120.4	189.1	317.4	554.2	730.1	960.2
82.5°	51.6	52.9	60.8	79.4	88.6	119.0	168.0	231.5	271.1	351.8	436.5
85°	33.1	33.1	38.4	45.0	52.9	91.3	148.1	191.8	202.4	220.9	198.4
87.5°	15.9	15.9	14.5	17.2	19.8	34.4	103.2	136.2	137.5	134.9	145.5
90°	13.2	13.2	10.6	11.9	13.2	18.5	78.0	133.6	132.3	137.5	150.8
92.5°	14.5	14.5	10.6	11.9	13.2	15.9	56.9	134.9	138.9	145.5	160.0
95°	15.9	15.9	10.6	10.6	11.9	14.5	35.7	116.4	140.2	146.8	165.3
97.5°	14.5	14.5	7.9	9.3	10.6	13.2	22.5	87.3	109.8	115.1	130.9
100°	13.2	13.2	6.6	7.9	9.3	10.6	14.5	45.0	47.6	35.7	50.3
102.5°	11.9	13.2	5.3	6.6	6.6	6.6	9.3	21.2	21.2	11.9	13.2
105°	11.9	13.2	5.3	5.3	4.0	5.3	5.3	7.9	9.3	6.6	10.6
107.5°	13.2	13.2	5.3	5.3	4.0	4.0	4.0	5.3	6.6	5.3	10.6
110°	11.9	11.9	4.0	5.3	2.6	2.6	2.6	4.0	5.3	5.3	11.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	7.9	7.9	4.0	5.3	2.6	2.6	2.6	4.0	5.3	6.6	14.5
115°	6.6	5.3	2.6	4.0	2.6	2.6	2.6	4.0	4.0	5.3	11.9
117.5°	6.6	5.3	2.6	2.6	1.3	2.6	2.6	4.0	4.0	5.3	10.6
120°	6.6	6.6	2.6	1.3	1.3	1.3	1.3	2.6	4.0	6.6	11.9
122.5°	7.9	6.6	2.6	2.6	1.3	1.3	1.3	2.6	4.0	6.6	11.9
125°	7.9	7.9	4.0	2.6	1.3	1.3	1.3	2.6	4.0	5.3	10.6
127.5°	7.9	6.6	4.0	2.6	1.3	1.3	1.3	1.3	2.6	4.0	9.3
130°	6.6	6.6	4.0	1.3	1.3	1.3	1.3	1.3	2.6	2.6	6.6
132.5°	5.3	5.3	4.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6	5.3
135°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0
137.5°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3
150°	2.6	2.6	5.3	4.0	2.6	1.3	2.6	1.3	1.3	1.3	1.3
152.5°	4.0	4.0	5.3	4.0	1.3	1.3	1.3	2.6	1.3	1.3	1.3
155°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	4.0
157.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	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°	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4
2.5°	444.4	444.4	448.4	449.7	448.4	447.0	439.1	415.3	400.7	402.1	402.1
5°	437.8	439.1	443.1	419.3	390.2	392.8	396.8	398.1	398.1	400.7	400.7
7.5°	386.2	387.5	376.9	380.9	390.2	396.8	399.4	392.8	371.6	363.7	363.7
10°	334.6	334.6	297.6	298.9	309.5	329.3	391.5	398.1	404.7	406.0	404.7
12.5°	283.0	284.4	253.9	292.3	279.1	314.8	361.1	399.4	369.0	338.6	342.5
15°	316.1	318.7	285.7	251.3	257.9	310.8	269.8	370.3	373.0	373.0	373.0
17.5°	253.9	268.5	252.6	259.2	285.7	234.1	305.5	338.6	310.8	302.9	302.9
20°	316.1	316.1	288.3	250.0	264.5	304.2	271.1	301.5	354.5	354.5	353.1
22.5°	235.4	235.4	252.6	289.6	265.8	300.2	287.0	312.1	281.7	281.7	289.6
25°	339.9	335.9	306.8	256.6	302.9	277.7	288.3	272.5	318.7	322.7	320.1
27.5°	410.0	407.4	329.3	294.9	284.4	296.3	259.2	253.9	244.7	281.7	277.7
30°	485.4	478.8	431.2	355.8	312.1	250.0	234.1	243.4	269.8	271.1	269.8
32.5°	521.1	506.5	453.6	425.9	318.7	257.9	210.3	216.9	268.5	284.4	284.4
35°	570.0	554.2	494.6	464.2	317.4	227.5	186.5	210.3	242.0	243.4	243.4
37.5°	637.5	613.7	563.4	486.7	296.3	201.0	171.9	186.5	209.0	215.6	218.2
40°	715.5	685.1	640.1	501.3	265.8	169.3	153.4	171.9	189.1	183.8	183.8
42.5°	825.3	780.3	715.5	523.7	227.5	149.5	140.2	157.4	169.3	171.9	170.6
45°	928.5	872.9	804.1	531.7	185.2	134.9	130.9	149.5	161.4	157.4	157.4
47.5°	1044.8	974.7	870.3	513.2	152.1	127.0	130.9	144.2	149.5	156.1	156.1
50°	1159.9	1084.5	966.8	484.1	134.9	121.7	130.9	138.9	149.5	153.4	152.1
52.5°	1264.4	1198.3	1025.0	432.5	125.6	117.7	127.0	138.9	152.1	158.7	158.7
55°	1378.1	1310.7	1077.9	386.2	117.7	109.8	130.9	144.2	148.1	152.1	152.1
57.5°	1464.1	1411.2	1136.1	345.2	112.4	109.8	133.6	150.8	149.5	153.4	153.4
60°	1568.6	1522.3	1189.0	325.4	104.5	104.5	138.9	162.7	152.1	164.0	164.0
62.5°	1679.7	1651.9	1240.6	310.8	96.5	101.8	140.2	171.9	157.4	175.9	177.2
65°	1786.8	1792.1	1288.2	276.4	89.9	101.8	142.8	183.8	162.7	186.5	189.1
67.5°	1841.0	1884.7	1301.4	222.2	83.3	100.5	150.8	193.1	170.6	197.1	198.4
70°	1830.4	1887.3	1271.0	164.0	78.0	105.8	162.7	201.0	174.6	210.3	210.3
72.5°	1737.9	1778.9	1181.1	124.3	72.7	101.8	165.3	203.7	177.2	231.5	231.5
75°	1606.9	1564.6	972.1	103.2	68.8	101.8	161.4	201.0	174.6	226.2	224.8
77.5°	1394.0	1252.5	670.5	91.3	64.8	97.9	150.8	195.7	166.6	210.3	212.9
80°	894.1	771.1	342.5	79.4	68.8	93.9	145.5	181.2	154.7	187.8	189.1
82.5°	407.4	342.5	156.1	70.1	67.5	84.6	132.3	161.4	134.9	160.0	158.7
85°	171.9	174.6	123.0	59.5	59.5	66.1	97.9	125.6	104.5	112.4	109.8
87.5°	133.6	128.3	84.6	35.7	38.4	29.1	63.5	89.9	68.8	72.7	71.4
90°	141.5	138.9	89.9	37.0	27.8	17.2	47.6	70.1	51.6	46.3	45.0
92.5°	150.8	149.5	100.5	39.7	27.8	14.5	41.0	56.9	37.0	31.7	30.4
95°	161.4	161.4	109.8	42.3	27.8	14.5	37.0	43.6	27.8	21.2	19.8
97.5°	128.3	130.9	93.9	43.6	26.5	14.5	33.1	35.7	21.2	11.9	11.9
100°	51.6	56.9	51.6	43.6	23.8	11.9	26.5	27.8	14.5	6.6	6.6
102.5°	11.9	14.5	35.7	38.4	18.5	7.9	17.2	17.2	9.3	4.0	4.0
105°	11.9	10.6	23.8	30.4	10.6	5.3	7.9	10.6	5.3	2.6	2.6
107.5°	11.9	11.9	10.6	14.5	5.3	4.0	4.0	4.0	2.6	2.6	2.6
110°	13.2	11.9	5.3	5.3	4.0	4.0	2.6	2.6	1.3	7.9	9.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.9	14.5	6.6	5.3	4.0	4.0	2.6	2.6	4.0	13.2	13.2
115°	13.2	11.9	6.6	4.0	4.0	4.0	2.6	1.3	4.0	14.5	14.5
117.5°	11.9	10.6	6.6	4.0	2.6	4.0	2.6	1.3	4.0	14.5	14.5
120°	13.2	11.9	6.6	4.0	2.6	2.6	2.6	1.3	4.0	13.2	13.2
122.5°	13.2	13.2	7.9	2.6	2.6	1.3	2.6	1.3	4.0	11.9	11.9
125°	11.9	10.6	6.6	2.6	1.3	1.3	1.3	1.3	5.3	10.6	11.9
127.5°	10.6	9.3	5.3	2.6	1.3	1.3	1.3	1.3	4.0	7.9	9.3
130°	7.9	7.9	4.0	2.6	1.3	1.3	1.3	1.3	4.0	7.9	6.6
132.5°	5.3	5.3	4.0	2.6	1.3	1.3	1.3	1.3	4.0	5.3	5.3
135°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	1.3	2.6	4.0	4.0
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
140°	1.3	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	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	2.6	1.3	1.3	2.6	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	4.0	4.0	2.6
155°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	1.3	2.6	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	0.0	0.0	1.3	0.0
160°	0.0	0.0	1.3	1.3	1.3	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)