

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: P560829

Luminaire Tested: **SDL-PA1-60-830-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-830-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4154.4 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 62.4
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



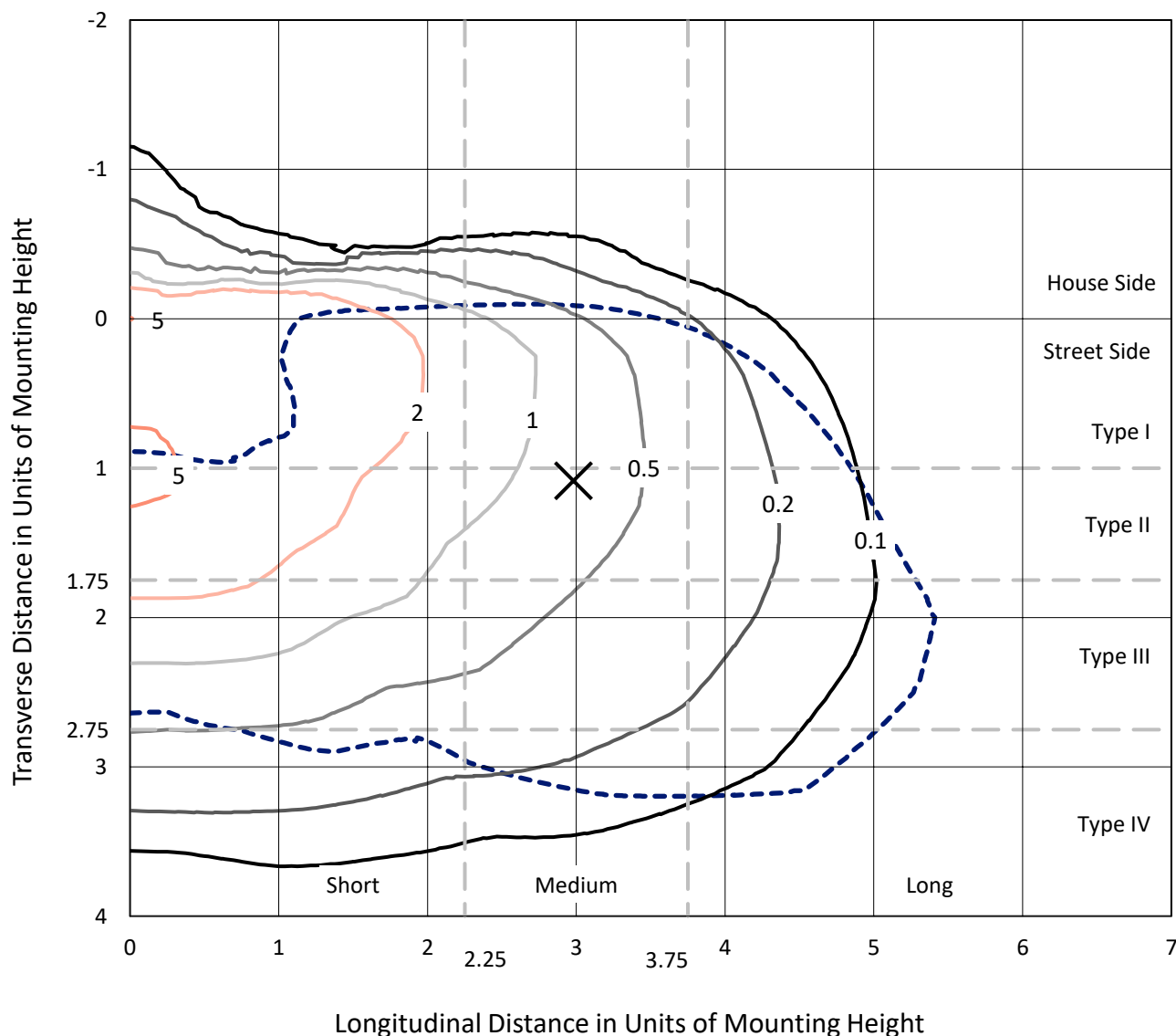
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

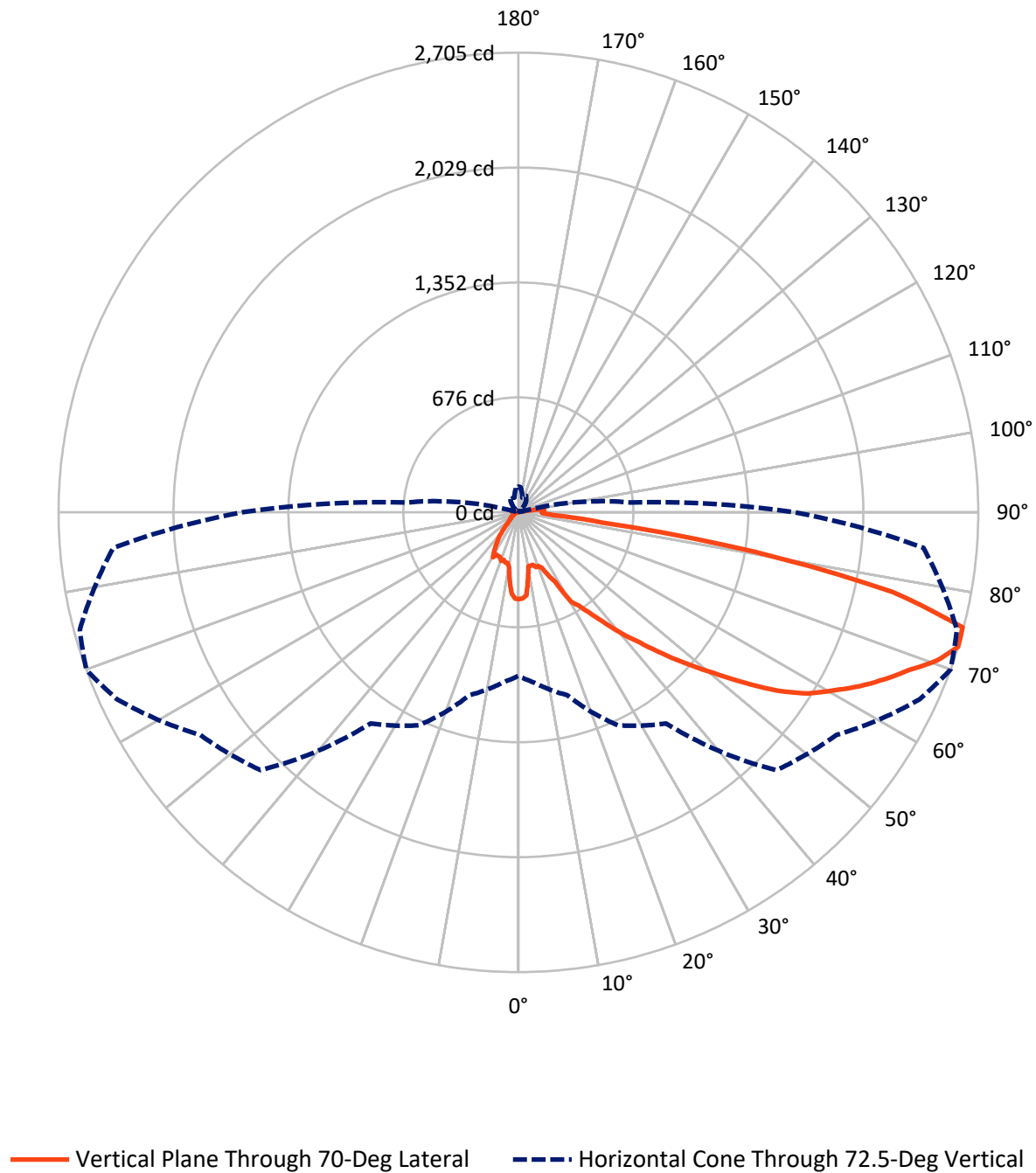


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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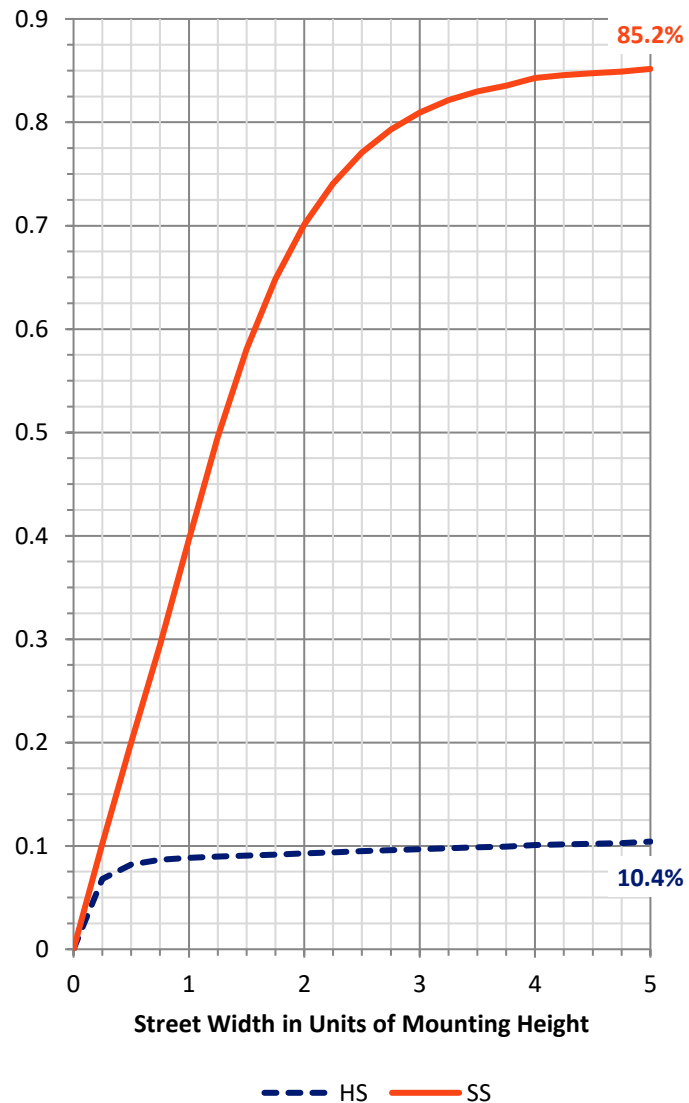
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	476.2	67.0	543.2
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	3556.9	54.2	3611.2
	% Fixture	85.6	1.3	86.9
Total	Lumens	4033.1	121.3	4154.4
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	0.9
10°-20°	77.8	1.9
20°-30°	126.0	3.0
30°-40°	269.3	6.5
40°-50°	529.4	12.7
50°-60°	884.0	21.3
60°-70°	1097.1	26.4
70°-80°	845.0	20.3
80°-90°	165.2	4.0
90°-100°	89.6	2.2
100°-110°	18.6	0.4
110°-120°	5.3	0.1
120°-130°	4.1	0.1
130°-140°	1.9	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°	4033.1	97.1
0°-180°	4154.4	100.0

Coefficient of Utilization



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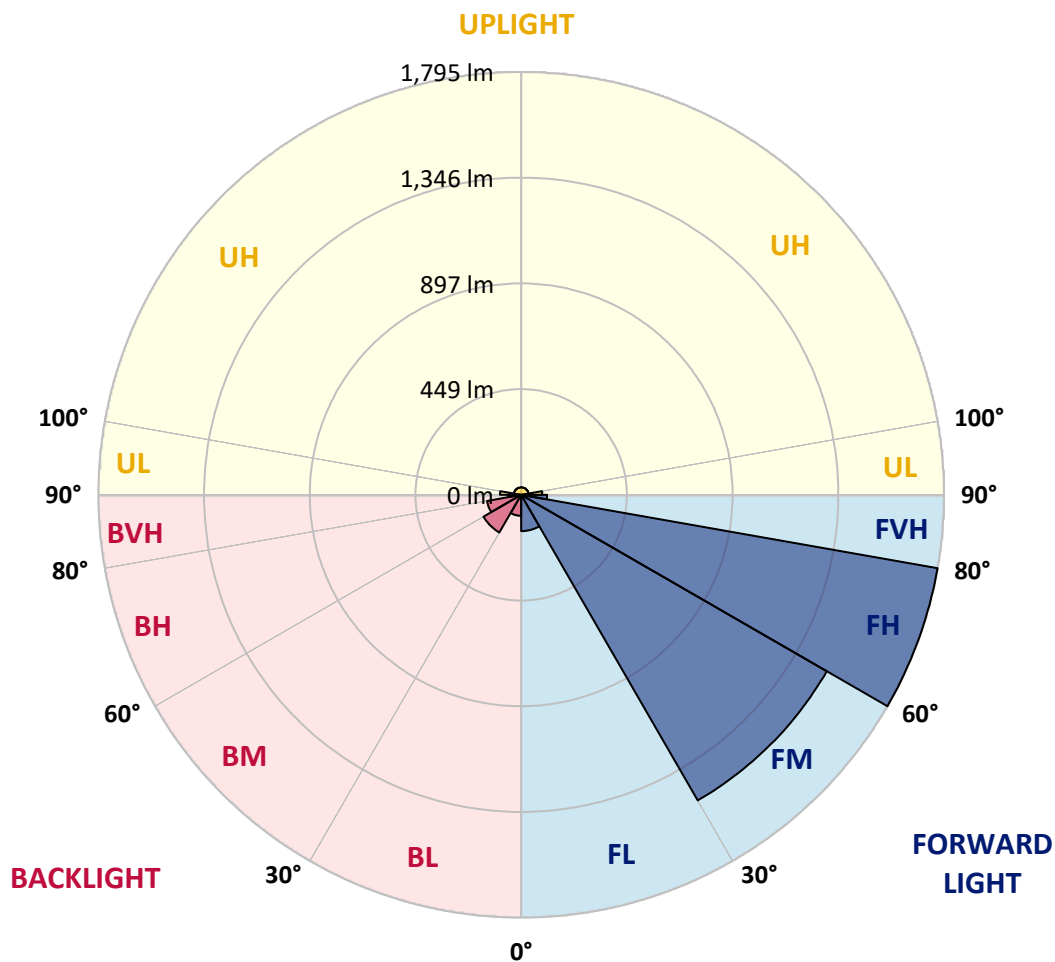
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.1	3.7			
FM	(30°-60°)	1498.0	36.1			
FH	(60°-80°)	1794.9	43.2			G1/1800
FVH	(80°-90°)	109.9	2.6			G2/225
BL	(0°-30°)	89.1	2.1	B0/110		
BM	(30°-60°)	184.7	4.4	B0/220		
BH	(60°-80°)	147.2	3.5	B1/500		G1/500
BVH	(80°-90°)	55.3	1.3			G1/100
UL	(90°-100°)	89.6	2.2		U3/500	
UH	(100°-180°)	31.6	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	510.3	510.3	510.3	510.3	510.3	510.3	510.3	510.3	510.3	510.3	510.3
2.5°	430.3	477.9	480.0	484.3	488.7	495.1	506.0	506.0	506.0	506.0	508.1
5°	408.7	408.7	408.7	413.0	413.0	417.3	419.5	484.3	490.8	497.3	497.3
7.5°	339.5	371.9	374.1	387.0	402.2	408.7	413.0	408.7	402.2	428.1	438.9
10°	371.9	371.9	371.9	376.2	354.6	343.8	317.8	320.0	322.2	341.6	389.2
12.5°	309.2	328.7	348.1	369.7	341.6	307.0	300.5	317.8	322.2	287.6	341.6
15°	361.1	358.9	358.9	339.5	283.3	307.0	268.1	283.3	320.0	350.3	406.5
17.5°	298.4	289.7	337.3	333.0	302.7	242.2	309.2	307.0	339.5	313.5	350.3
20°	354.6	352.4	352.4	272.4	300.5	326.5	322.2	300.5	337.3	376.2	443.3
22.5°	298.4	294.1	302.7	326.5	298.4	337.3	294.1	371.9	354.6	343.8	322.2
25°	376.2	374.1	374.1	298.4	337.3	309.2	371.9	339.5	410.8	447.6	488.7
27.5°	337.3	337.3	322.2	346.0	322.2	389.2	356.8	428.1	464.9	488.7	590.3
30°	467.0	469.2	443.3	343.8	358.9	365.4	421.6	529.7	609.7	668.1	730.8
32.5°	672.5	659.5	551.4	469.2	380.6	451.9	467.0	616.2	655.2	717.9	771.9
35°	914.6	908.1	813.0	607.6	458.4	484.3	521.1	670.3	730.8	793.5	826.0
37.5°	1081.1	1074.6	1014.1	774.1	553.5	564.3	568.7	746.0	823.8	886.5	901.6
40°	1217.3	1206.5	1169.8	903.8	681.1	659.5	637.9	849.8	938.4	990.3	996.8
42.5°	1422.7	1405.4	1312.5	1053.0	810.8	787.0	713.5	940.6	1046.5	1115.7	1120.0
45°	1669.2	1654.1	1524.4	1260.6	949.2	942.7	847.6	1057.3	1182.7	1264.9	1241.1
47.5°	1837.9	1796.8	1723.3	1459.5	1163.3	1107.1	996.8	1176.2	1329.8	1453.0	1386.0
50°	1991.4	1961.1	1898.4	1680.0	1394.6	1319.0	1152.5	1312.5	1485.4	1597.9	1507.1
52.5°	2134.1	2088.7	2036.8	1844.4	1593.6	1556.8	1306.0	1448.7	1664.9	1757.9	1632.5
55°	2205.5	2134.1	2125.5	1993.6	1747.1	1716.8	1479.0	1617.3	1853.0	1917.9	1751.4
57.5°	2088.7	2086.5	2153.6	2084.4	1872.5	1857.4	1654.1	1799.0	2010.9	2041.1	1868.2
60°	2010.9	2013.0	2114.7	2119.0	1982.8	1991.4	1811.9	2008.7	2127.6	2147.1	1978.4
62.5°	1874.6	1889.8	2043.3	2142.8	2010.9	2119.0	1946.0	2153.6	2253.0	2259.5	2114.7
65°	1703.8	1719.0	1874.6	2077.9	1980.6	2203.3	2058.4	2315.7	2367.6	2372.0	2263.8
67.5°	1504.9	1511.4	1684.4	1909.2	1907.1	2233.6	2127.6	2423.9	2477.9	2490.9	2391.4
70°	1284.4	1275.7	1433.6	1693.0	1749.2	2218.4	2212.0	2529.8	2612.0	2609.8	2480.1
72.5°	962.2	1003.3	1113.5	1381.7	1515.7	2144.9	2283.3	2603.3	2704.9	2670.3	2391.4
75°	328.7	350.3	648.7	880.0	1167.6	1948.2	2298.4	2607.6	2698.5	2544.9	1956.8
77.5°	108.1	101.6	144.9	350.3	648.7	1349.2	2021.7	2274.7	2250.9	1978.4	1202.2
80°	51.9	54.1	64.9	123.2	237.8	611.9	1269.2	1440.0	1407.6	1037.9	521.1
82.5°	34.6	36.8	43.2	71.4	134.1	209.7	674.6	657.3	497.3	326.5	214.1
85°	15.1	15.1	21.6	36.8	82.2	138.4	257.3	224.9	203.2	188.1	175.1
87.5°	4.3	4.3	8.6	13.0	28.1	86.5	144.9	136.2	140.5	147.0	166.5
90°	4.3	4.3	4.3	4.3	21.6	90.8	147.0	138.4	138.4	147.0	175.1
92.5°	6.5	6.5	4.3	4.3	19.5	90.8	153.5	131.9	140.5	149.2	188.1
95°	6.5	8.6	4.3	2.2	15.1	93.0	157.8	140.5	153.5	151.4	201.1
97.5°	8.6	8.6	4.3	2.2	8.6	80.0	160.0	114.6	116.8	108.1	157.8
100°	10.8	10.8	4.3	4.3	6.5	41.1	118.9	73.5	45.4	34.6	51.9
102.5°	13.0	13.0	4.3	4.3	4.3	15.1	54.1	43.2	23.8	6.5	13.0
105°	13.0	15.1	4.3	4.3	2.2	6.5	23.8	17.3	8.6	6.5	13.0
107.5°	15.1	15.1	4.3	4.3	2.2	4.3	6.5	6.5	4.3	6.5	13.0
110°	15.1	15.1	6.5	4.3	2.2	4.3	2.2	4.3	4.3	6.5	15.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	10.8	10.8	4.3	6.5	2.2	2.2	2.2	4.3	4.3	6.5	13.0
115°	6.5	4.3	2.2	4.3	2.2	2.2	2.2	4.3	4.3	4.3	10.8
117.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	13.0
120°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	8.6	15.1
122.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	8.6	17.3
125°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5	15.1
127.5°	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2	4.3	6.5	13.0
130°	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2	2.2	4.3	8.6
132.5°	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2	2.2	4.3	8.6
135°	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2	2.2	2.2	4.3
137.5°	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
140°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
152.5°	4.3	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	2.2	2.2
155°	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2	4.3	4.3
157.5°	0.0	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2
160°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2
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°	510.3	510.3	510.3	510.3	510.3	510.3	510.3	510.3	510.3	510.3	510.3
2.5°	508.1	508.1	506.0	510.3	508.1	508.1	480.0	451.9	445.4	447.6	451.9
5°	499.5	499.5	499.5	464.9	426.0	413.0	417.3	417.3	417.3	415.1	419.5
7.5°	441.1	438.9	432.4	393.5	410.8	408.7	406.5	402.2	350.3	337.3	337.3
10°	391.4	391.4	335.1	320.0	320.0	333.0	341.6	328.7	322.2	311.4	309.2
12.5°	343.8	343.8	287.6	320.0	270.3	268.1	261.6	240.0	203.2	177.3	179.5
15°	408.7	408.7	339.5	272.4	227.0	214.1	134.1	125.4	121.1	118.9	116.8
17.5°	348.1	350.3	313.5	270.3	211.9	112.4	95.1	95.1	95.1	90.8	82.2
20°	441.1	441.1	365.4	242.2	160.0	88.7	73.5	64.9	88.7	88.7	88.7
22.5°	320.0	315.7	322.2	246.5	99.5	71.4	60.5	75.7	80.0	67.0	67.0
25°	484.3	477.9	391.4	177.3	82.2	56.2	67.0	58.4	75.7	75.7	75.7
27.5°	596.8	553.5	397.8	162.2	60.5	64.9	54.1	64.9	58.4	56.2	56.2
30°	717.9	698.4	480.0	127.6	58.4	54.1	56.2	51.9	60.5	56.2	56.2
32.5°	756.8	737.3	434.6	99.5	56.2	51.9	47.6	49.7	47.6	49.7	49.7
35°	806.5	787.0	384.9	75.7	51.9	45.4	43.2	43.2	41.1	38.9	38.9
37.5°	877.9	845.4	328.7	64.9	47.6	41.1	34.6	32.4	34.6	43.2	45.4
40°	960.0	906.0	259.5	58.4	41.1	34.6	25.9	30.3	36.8	36.8	36.8
42.5°	1078.9	979.5	192.4	54.1	36.8	28.1	19.5	23.8	28.1	38.9	38.9
45°	1182.7	1022.7	136.2	49.7	30.3	21.6	15.1	23.8	30.3	34.6	34.6
47.5°	1303.8	1063.8	101.6	47.6	28.1	15.1	17.3	23.8	23.8	36.8	36.8
50°	1405.4	1072.5	82.2	43.2	21.6	10.8	21.6	21.6	25.9	32.4	32.4
52.5°	1500.6	1081.1	73.5	38.9	17.3	8.6	21.6	21.6	30.3	38.9	38.9
55°	1563.3	1055.2	67.0	34.6	15.1	6.5	23.8	23.8	23.8	30.3	30.3
57.5°	1613.0	1022.7	62.7	30.3	13.0	13.0	25.9	30.3	25.9	30.3	30.3
60°	1645.5	964.4	54.1	28.1	10.8	13.0	32.4	38.9	30.3	45.4	45.4
62.5°	1703.8	918.9	47.6	25.9	8.6	13.0	32.4	49.7	38.9	60.5	62.7
65°	1751.4	877.9	41.1	19.5	8.6	17.3	36.8	62.7	47.6	75.7	77.8
67.5°	1770.9	828.1	34.6	17.3	8.6	19.5	47.6	77.8	60.5	88.7	88.7
70°	1755.7	776.2	28.1	17.3	8.6	30.3	62.7	90.8	73.5	108.1	110.3
72.5°	1623.8	661.6	21.6	17.3	6.5	32.4	77.8	108.1	88.7	147.0	151.4
75°	1243.3	419.5	21.6	17.3	8.6	36.8	90.8	125.4	105.9	164.3	170.8
77.5°	758.9	194.6	21.6	19.5	10.8	45.4	99.5	144.9	116.8	177.3	181.6
80°	337.3	121.1	21.6	21.6	21.6	56.2	116.8	160.0	131.9	188.1	194.6
82.5°	168.7	90.8	19.5	21.6	32.4	67.0	138.4	170.8	136.2	194.6	196.8
85°	144.9	82.2	19.5	23.8	34.6	77.8	149.2	173.0	142.7	192.4	194.6
87.5°	138.4	77.8	23.8	23.8	38.9	82.2	153.5	181.6	147.0	186.0	183.8
90°	144.9	75.7	25.9	28.1	49.7	84.3	155.7	177.3	147.0	175.1	175.1
92.5°	149.2	73.5	28.1	32.4	60.5	95.1	153.5	173.0	147.0	162.2	162.2
95°	153.5	73.5	32.4	36.8	60.5	103.8	147.0	157.8	136.2	144.9	142.7
97.5°	116.8	54.1	38.9	41.1	56.2	80.0	118.9	123.2	88.7	86.5	84.3
100°	41.1	23.8	38.9	45.4	34.6	34.6	71.4	86.5	51.9	32.4	36.8
102.5°	13.0	10.8	34.6	45.4	28.1	13.0	36.8	54.1	38.9	4.3	4.3
105°	13.0	13.0	19.5	36.8	19.5	4.3	13.0	30.3	23.8	4.3	4.3
107.5°	13.0	10.8	8.6	21.6	6.5	4.3	6.5	6.5	6.5	2.2	4.3
110°	15.1	10.8	4.3	6.5	4.3	4.3	4.3	4.3	4.3	8.6	8.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.1	10.8	4.3	6.5	4.3	4.3	4.3	2.2	4.3	10.8	13.0
115°	13.0	10.8	4.3	4.3	4.3	4.3	2.2	2.2	4.3	13.0	13.0
117.5°	15.1	13.0	4.3	4.3	2.2	4.3	2.2	2.2	4.3	13.0	15.1
120°	17.3	15.1	4.3	4.3	2.2	2.2	2.2	2.2	4.3	10.8	13.0
122.5°	17.3	17.3	4.3	2.2	2.2	2.2	2.2	2.2	6.5	10.8	10.8
125°	15.1	15.1	4.3	2.2	2.2	2.2	2.2	2.2	6.5	10.8	10.8
127.5°	13.0	13.0	4.3	2.2	2.2	2.2	2.2	2.2	4.3	8.6	10.8
130°	10.8	10.8	4.3	2.2	2.2	2.2	0.0	2.2	4.3	8.6	8.6
132.5°	8.6	6.5	4.3	2.2	2.2	2.2	0.0	2.2	4.3	6.5	8.6
135°	6.5	6.5	2.2	2.2	2.2	2.2	0.0	0.0	4.3	4.3	6.5
137.5°	4.3	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	4.3	4.3
140°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
145°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
147.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
150°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
152.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2
155°	4.3	4.3	4.3	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.2	2.2	2.2	2.2	2.2	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)