

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: P561031

Luminaire Tested: **SDL-PA1-80-722-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-722-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4652.6 lumens
Efficiency: N/A
Efficacy: 56.7 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): 82
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

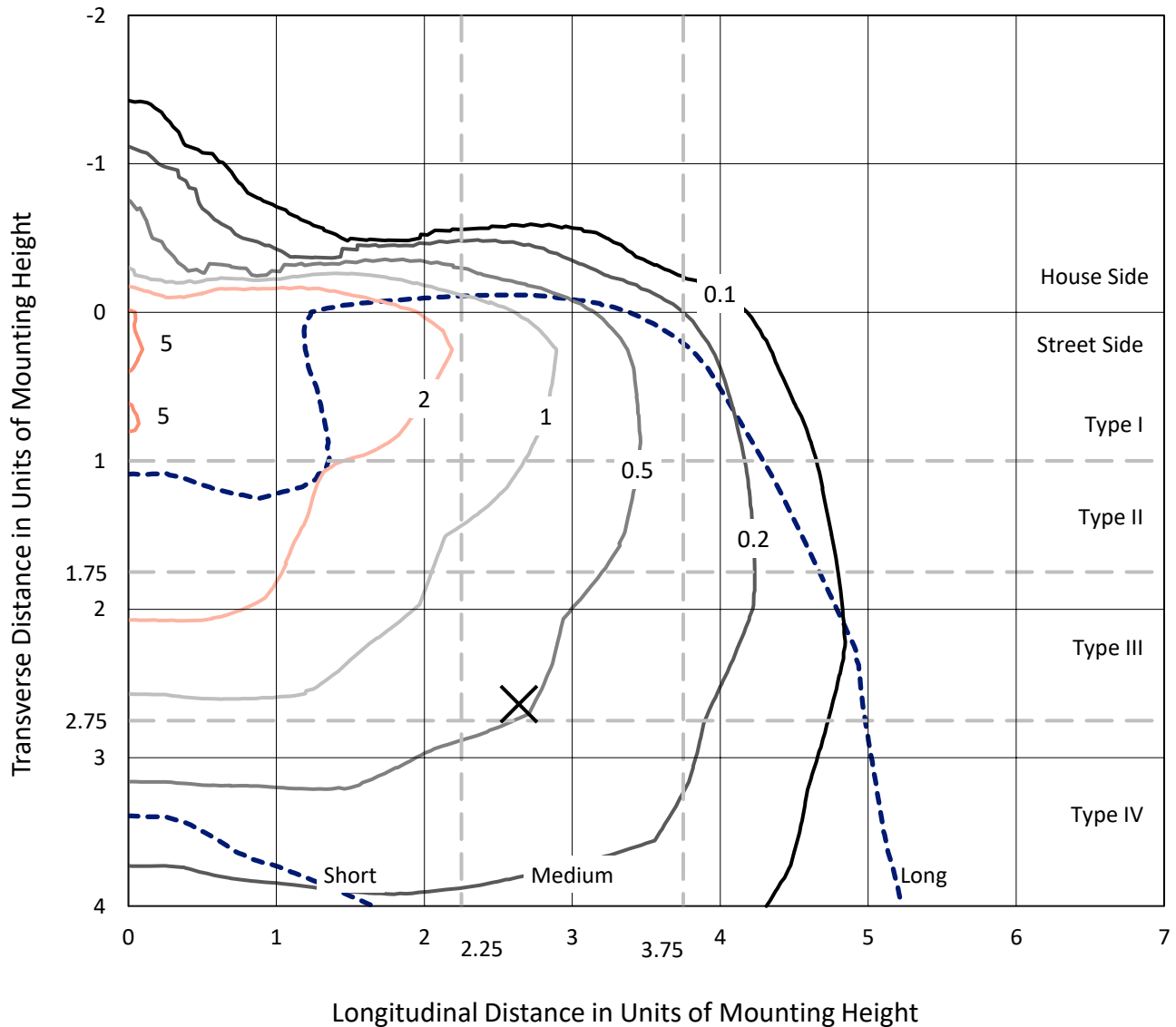


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

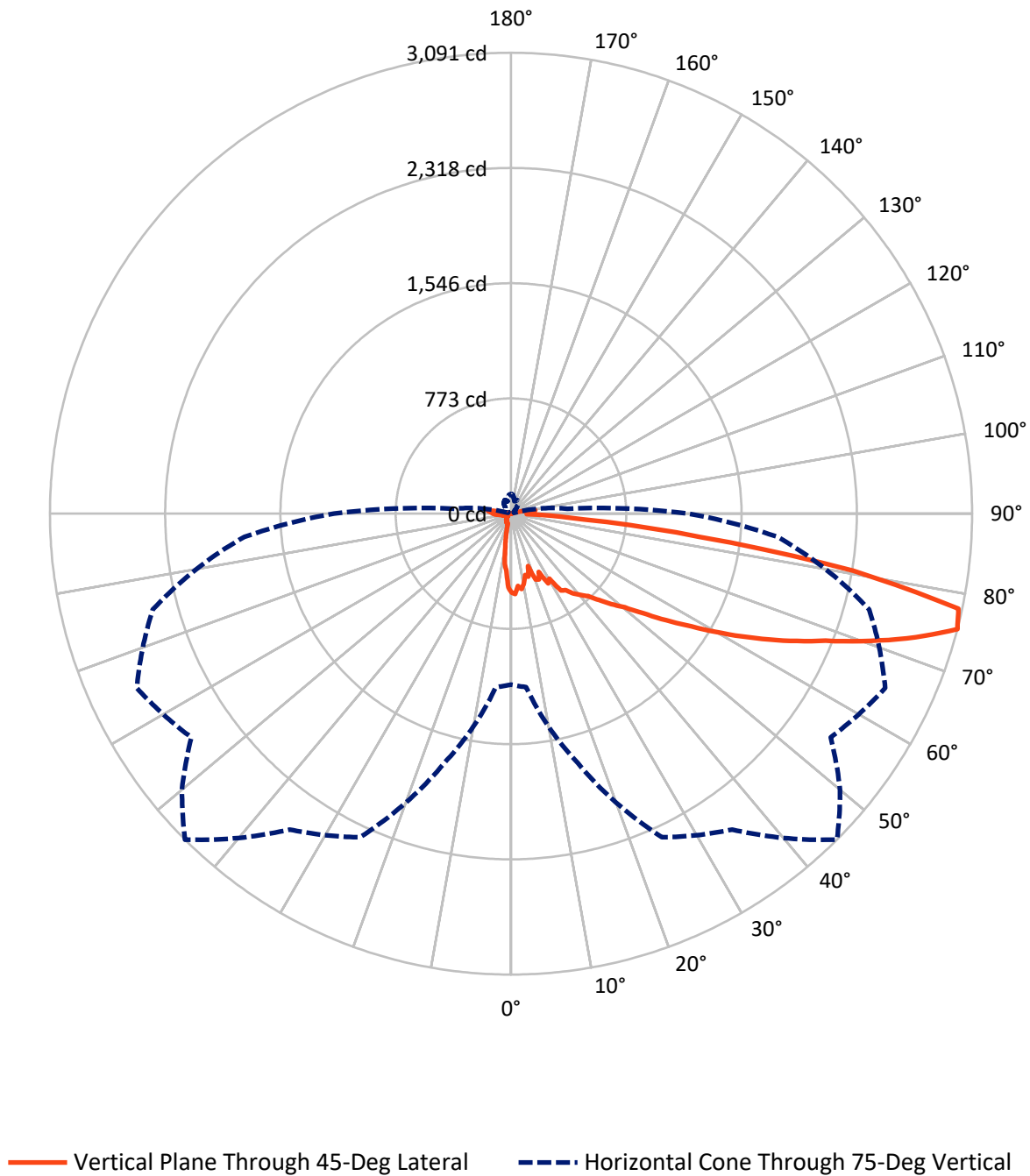


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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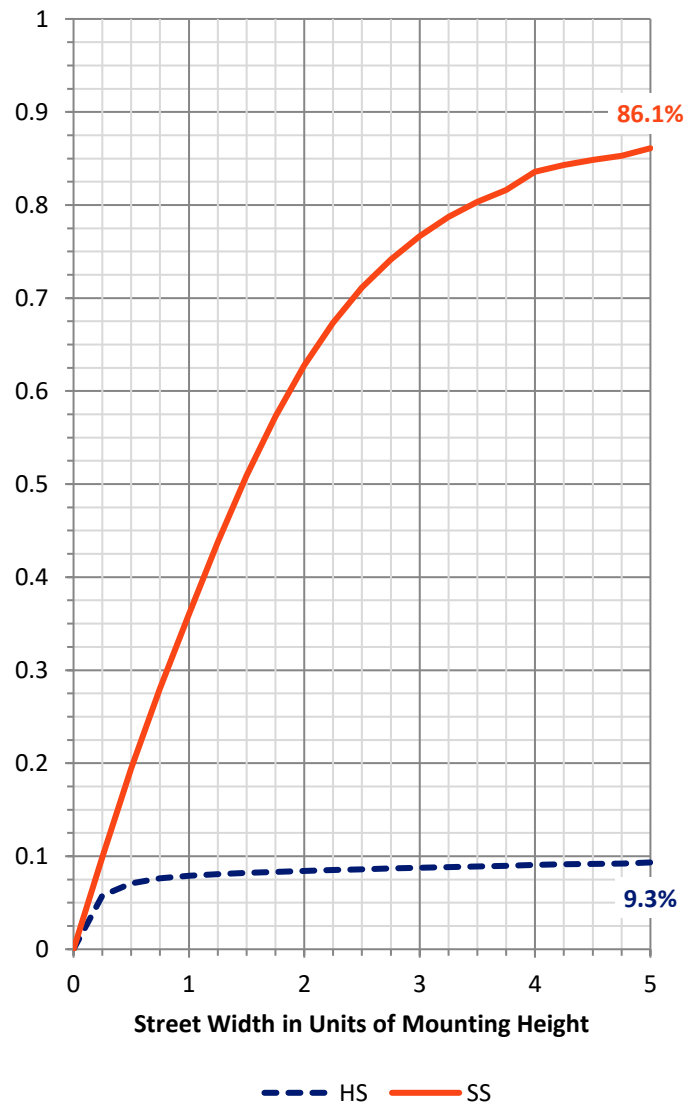
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	477.4	83.5	560.9
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4027.1	64.6	4091.6
	% Fixture	86.6	1.4	87.9
Total	Lumens	4504.5	148.1	4652.6
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	0.9
10°-20°	89.0	1.9
20°-30°	149.3	3.2
30°-40°	276.9	6.0
40°-50°	466.7	10.0
50°-60°	837.6	18.0
60°-70°	1257.7	27.0
70°-80°	1150.7	24.7
80°-90°	235.3	5.1
90°-100°	112.6	2.4
100°-110°	24.0	0.5
110°-120°	4.6	0.1
120°-130°	3.6	0.1
130°-140°	1.6	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°	4504.5	96.8
0°-180°	4652.6	100.0

Coefficient of Utilization



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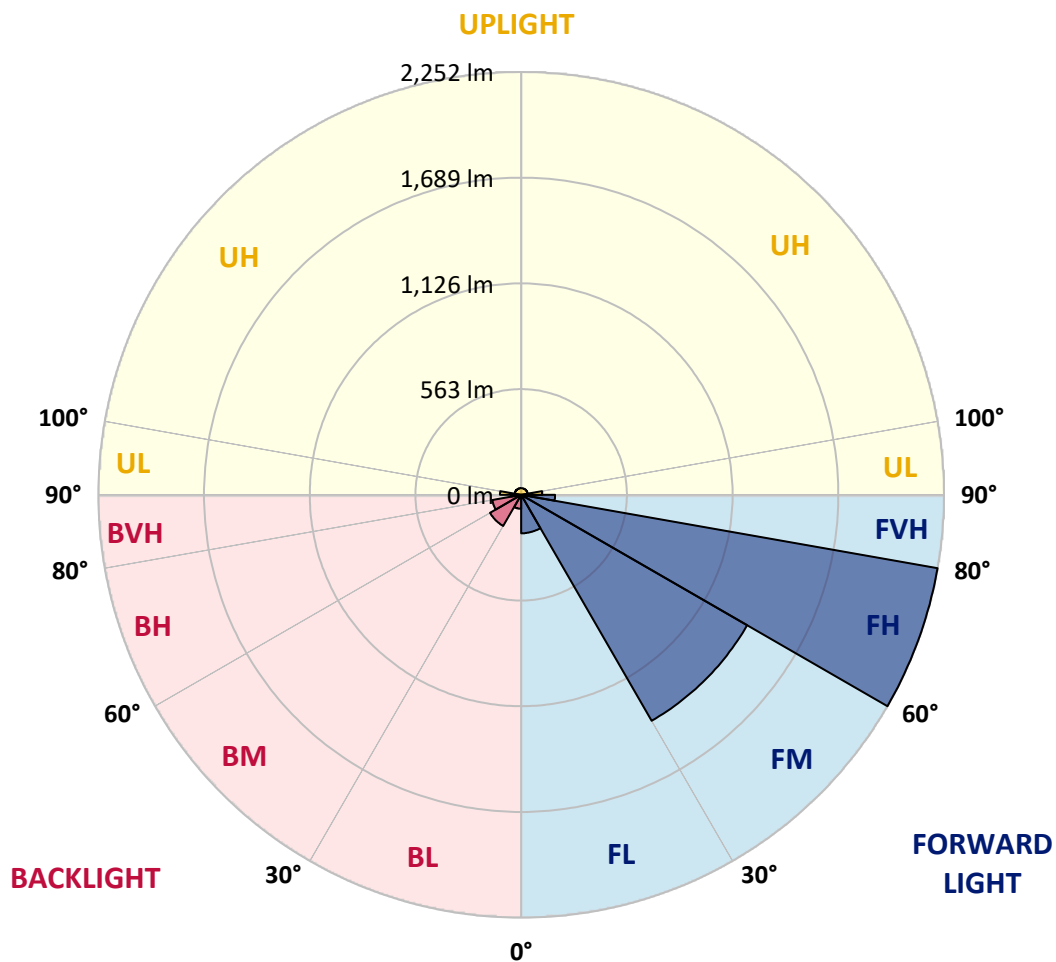
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.0	4.4			
FM	(30°-60°)	1389.7	29.9			
FH	(60°-80°)	2252.0	48.4			G2/5000
FVH	(80°-90°)	180.4	3.9			G2/225
BL	(0°-30°)	74.5	1.6	B0/110		
BM	(30°-60°)	191.6	4.1	B0/220		
BH	(60°-80°)	156.4	3.4	B1/500		G1/500
BVH	(80°-90°)	54.9	1.2			G1/100
UL	(90°-100°)	112.6	2.4		U3/500	
UH	(100°-180°)	35.5	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°	50°	55°	65°	75°	85°
0°	530.1	530.1	530.1	530.1	530.1	530.1	530.1	530.1	530.1	530.1	530.1
2.5°	515.2	540.1	532.6	545.1	542.6	540.1	540.1	542.6	540.1	535.1	530.1
5°	525.1	517.7	512.7	510.2	500.3	487.8	482.8	477.9	530.1	530.1	520.2
7.5°	540.1	540.1	530.1	522.7	522.7	510.2	497.8	487.8	462.9	455.5	455.5
10°	574.9	569.9	562.5	547.5	472.9	475.4	448.0	393.2	368.3	378.3	393.2
12.5°	582.4	579.9	569.9	567.5	497.8	423.1	350.9	393.2	375.8	313.6	348.4
15°	624.7	619.7	599.8	565.0	425.6	438.0	408.2	350.9	336.0	383.3	410.7
17.5°	532.6	532.6	597.3	547.5	462.9	368.3	365.9	408.2	368.3	343.5	341.0
20°	654.6	654.6	627.2	448.0	475.4	470.4	378.3	428.1	360.9	408.2	435.5
22.5°	545.1	542.6	562.5	555.0	455.5	480.3	388.3	390.7	430.6	368.3	316.1
25°	664.5	664.5	649.6	482.8	517.7	433.1	443.0	467.9	383.3	465.4	470.4
27.5°	572.4	569.9	542.6	552.5	482.8	530.1	403.2	440.5	470.4	502.7	552.5
30°	699.4	704.3	691.9	525.1	537.6	505.2	480.3	510.2	569.9	669.5	701.8
32.5°	863.6	868.6	736.7	632.2	540.1	614.7	515.2	562.5	654.6	701.8	736.7
35°	960.7	923.4	866.1	706.8	582.4	629.7	592.3	599.8	681.9	756.6	781.5
37.5°	1042.8	993.0	925.8	729.2	614.7	679.4	617.2	627.2	739.2	806.4	838.7
40°	1070.2	1040.3	1003.0	779.0	654.6	716.8	647.1	669.5	793.9	871.1	920.9
42.5°	1137.4	1139.9	1117.5	848.7	696.9	756.6	696.9	711.8	866.1	960.7	1032.9
45°	1316.6	1321.6	1296.7	968.1	749.1	826.3	776.5	784.0	948.2	1097.6	1189.7
47.5°	1545.6	1528.1	1503.2	1127.4	828.8	905.9	868.6	861.1	1045.3	1276.8	1358.9
50°	1777.0	1744.7	1692.4	1346.5	965.7	988.1	963.2	958.2	1162.3	1460.9	1550.5
52.5°	2018.4	1993.5	1884.0	1553.0	1169.7	1107.5	1080.1	1107.5	1314.1	1665.0	1747.1
55°	2145.4	2120.5	2050.8	1774.5	1366.4	1261.8	1214.5	1264.3	1548.0	1856.7	1963.7
57.5°	2249.9	2242.4	2210.1	2006.0	1605.3	1426.1	1378.8	1426.1	1734.7	2035.9	2162.8
60°	2399.2	2369.4	2399.2	2230.0	1836.7	1627.7	1563.0	1612.8	1963.7	2192.6	2381.8
62.5°	2506.2	2498.8	2558.5	2481.4	2030.9	1839.2	1744.7	1791.9	2165.3	2359.4	2598.3
65°	2391.8	2429.1	2668.0	2645.6	2249.9	2055.8	1956.2	1941.3	2329.5	2538.6	2829.8
67.5°	2187.7	2212.6	2561.0	2730.2	2441.5	2274.8	2155.3	2085.6	2481.4	2700.4	3014.0
70°	1993.5	2023.4	2342.0	2735.2	2533.6	2556.0	2389.3	2259.8	2633.2	2882.1	3053.8
72.5°	1839.2	1866.6	2152.8	2675.5	2566.0	2837.3	2645.6	2444.0	2780.0	2887.0	2668.0
75°	1147.3	1167.3	1732.2	2394.2	2585.9	3091.1	2879.6	2615.7	2767.6	2486.3	1794.4
77.5°	353.4	360.9	741.7	1580.4	2247.4	3066.2	2839.7	2459.0	2319.6	1577.9	818.8
80°	122.0	124.4	191.6	562.5	1344.0	2327.0	2165.3	1809.4	1386.3	582.4	308.6
82.5°	57.2	62.2	89.6	189.2	547.5	1271.8	1279.3	1075.2	582.4	258.8	209.1
85°	19.9	19.9	37.3	82.1	211.5	490.3	465.4	433.1	306.1	233.9	194.1
87.5°	7.5	7.5	12.4	22.4	52.3	104.5	131.9	161.8	161.8	164.3	196.6
90°	7.5	7.5	5.0	5.0	37.3	109.5	131.9	146.8	134.4	149.3	214.0
92.5°	7.5	7.5	5.0	5.0	39.8	126.9	146.8	159.3	141.9	159.3	236.4
95°	7.5	7.5	5.0	5.0	44.8	154.3	171.7	169.2	141.9	166.8	253.9
97.5°	10.0	10.0	5.0	2.5	39.8	164.3	184.2	179.2	122.0	126.9	199.1
100°	10.0	10.0	5.0	2.5	24.9	122.0	146.8	144.4	79.6	19.9	57.2
102.5°	10.0	10.0	5.0	2.5	5.0	57.2	69.7	72.2	47.3	7.5	10.0
105°	12.4	12.4	5.0	2.5	2.5	10.0	22.4	29.9	17.4	5.0	10.0
107.5°	12.4	12.4	5.0	2.5	2.5	5.0	5.0	7.5	7.5	5.0	12.4
110°	12.4	12.4	5.0	5.0	2.5	2.5	2.5	2.5	5.0	5.0	12.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	10.0	10.0	2.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	12.4
115°	5.0	5.0	2.5	2.5	0.0	2.5	2.5	2.5	2.5	5.0	10.0
117.5°	2.5	2.5	0.0	2.5	0.0	2.5	2.5	2.5	5.0	5.0	12.4
120°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	7.5	14.9
122.5°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	7.5	14.9
125°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	7.5	14.9
127.5°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	7.5	12.4
130°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	5.0	10.0
132.5°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	5.0	7.5
135°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	5.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	7.5	7.5	5.0	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5
152.5°	5.0	5.0	7.5	2.5	0.0	0.0	2.5	2.5	5.0	2.5	2.5
155°	5.0	5.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5	5.0	5.0
157.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
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°	530.1	530.1	530.1	530.1	530.1	530.1	530.1	530.1	530.1	530.1	530.1
2.5°	525.1	522.7	515.2	510.2	502.7	495.3	457.9	435.5	433.1	430.6	433.1
5°	515.2	507.7	495.3	438.0	410.7	385.8	378.3	373.3	360.9	360.9	363.4
7.5°	445.5	440.5	400.7	383.3	360.9	338.5	318.6	303.6	266.3	253.9	248.9
10°	390.7	380.8	311.1	276.3	253.9	229.0	229.0	209.1	199.1	191.6	189.2
12.5°	338.5	331.0	273.8	251.4	189.2	164.3	151.8	139.4	131.9	126.9	124.4
15°	395.7	383.3	293.7	201.6	139.4	117.0	92.1	89.6	112.0	117.0	119.5
17.5°	316.1	323.5	261.3	176.7	114.5	72.2	79.6	94.6	107.0	107.0	104.5
20°	420.6	403.2	283.7	141.9	82.1	72.2	77.2	69.7	99.6	107.0	107.0
22.5°	306.1	291.2	233.9	131.9	64.7	69.7	64.7	82.1	92.1	82.1	84.6
25°	455.5	433.1	271.3	92.1	67.2	59.7	74.7	64.7	89.6	97.1	99.6
27.5°	565.0	490.3	266.3	87.1	59.7	67.2	62.2	74.7	72.2	77.2	77.2
30°	674.5	632.2	301.1	79.6	59.7	57.2	64.7	64.7	82.1	89.6	89.6
32.5°	721.8	672.0	263.8	77.2	59.7	57.2	57.2	69.7	77.2	92.1	92.1
35°	771.5	704.3	221.5	72.2	57.2	54.8	54.8	69.7	82.1	92.1	94.6
37.5°	838.7	739.2	179.2	69.7	54.8	52.3	47.3	62.2	87.1	97.1	99.6
40°	923.4	789.0	139.4	64.7	49.8	47.3	44.8	62.2	74.7	87.1	87.1
42.5°	1055.3	843.7	109.5	62.2	47.3	42.3	42.3	52.3	72.2	82.1	82.1
45°	1189.7	908.4	92.1	59.7	44.8	39.8	39.8	52.3	54.8	69.7	69.7
47.5°	1339.0	973.1	84.6	57.2	44.8	34.8	34.8	47.3	47.3	64.7	67.2
50°	1493.3	1027.9	79.6	54.8	39.8	32.4	39.8	32.4	39.8	62.2	67.2
52.5°	1627.7	1072.7	74.7	49.8	37.3	29.9	37.3	32.4	39.8	57.2	57.2
55°	1764.6	1097.6	72.2	47.3	34.8	24.9	37.3	34.8	37.3	52.3	52.3
57.5°	1886.5	1105.0	69.7	47.3	29.9	22.4	34.8	42.3	32.4	42.3	47.3
60°	1996.0	1097.6	62.2	42.3	22.4	22.4	37.3	49.8	44.8	49.8	49.8
62.5°	2098.1	1070.2	49.8	34.8	17.4	22.4	47.3	54.8	42.3	52.3	57.2
65°	2185.2	1032.9	37.3	27.4	12.4	24.9	49.8	62.2	49.8	59.7	64.7
67.5°	2225.0	983.1	29.9	22.4	12.4	27.4	52.3	69.7	57.2	67.2	72.2
70°	2157.8	881.0	24.9	22.4	10.0	32.4	54.8	74.7	64.7	84.6	87.1
72.5°	1791.9	691.9	22.4	22.4	17.4	39.8	69.7	84.6	79.6	114.5	112.0
75°	1187.2	378.3	22.4	19.9	22.4	47.3	84.6	99.6	87.1	129.4	129.4
77.5°	547.5	166.8	19.9	22.4	24.9	52.3	97.1	119.5	99.6	146.8	144.4
80°	238.9	102.0	19.9	19.9	27.4	57.2	109.5	134.4	109.5	161.8	161.8
82.5°	179.2	92.1	17.4	19.9	37.3	64.7	126.9	149.3	122.0	174.2	171.7
85°	166.8	87.1	19.9	22.4	42.3	82.1	149.3	161.8	126.9	179.2	179.2
87.5°	169.2	84.6	19.9	22.4	57.2	104.5	169.2	174.2	139.4	189.2	189.2
90°	174.2	87.1	22.4	24.9	64.7	114.5	189.2	186.7	156.8	199.1	199.1
92.5°	186.7	87.1	24.9	27.4	69.7	126.9	206.6	191.6	169.2	206.6	201.6
95°	194.1	87.1	27.4	29.9	82.1	139.4	219.0	186.7	179.2	191.6	186.7
97.5°	144.4	64.7	32.4	34.8	84.6	156.8	201.6	159.3	117.0	114.5	117.0
100°	47.3	22.4	34.8	37.3	54.8	109.5	149.3	114.5	62.2	47.3	47.3
102.5°	12.4	12.4	32.4	34.8	29.9	47.3	87.1	74.7	42.3	2.5	5.0
105°	12.4	10.0	19.9	27.4	17.4	12.4	34.8	42.3	32.4	2.5	2.5
107.5°	12.4	10.0	10.0	14.9	5.0	5.0	10.0	10.0	10.0	2.5	2.5
110°	12.4	10.0	5.0	5.0	5.0	5.0	5.0	2.5	2.5	5.0	5.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	10.0	5.0	5.0	5.0	2.5	2.5	2.5	2.5	7.5	10.0
115°	12.4	10.0	2.5	5.0	2.5	2.5	2.5	2.5	5.0	10.0	12.4
117.5°	12.4	10.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0	12.4	14.9
120°	14.9	12.4	2.5	2.5	2.5	2.5	2.5	2.5	5.0	14.9	14.9
122.5°	14.9	12.4	2.5	2.5	2.5	2.5	0.0	2.5	7.5	14.9	14.9
125°	14.9	12.4	2.5	2.5	2.5	0.0	0.0	2.5	7.5	14.9	17.4
127.5°	12.4	10.0	2.5	2.5	2.5	0.0	0.0	2.5	5.0	12.4	14.9
130°	10.0	7.5	2.5	2.5	2.5	0.0	0.0	0.0	5.0	12.4	12.4
132.5°	7.5	5.0	2.5	2.5	2.5	0.0	0.0	0.0	5.0	10.0	10.0
135°	5.0	5.0	2.5	2.5	2.5	0.0	0.0	0.0	2.5	7.5	7.5
137.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
140°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	5.0	5.0	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	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)