

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: P561151

Luminaire Tested: **SDL-PA1-80-827-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-827-U-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5214.8 lumens
Efficiency: N/A
Efficacy: 63.6 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): 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

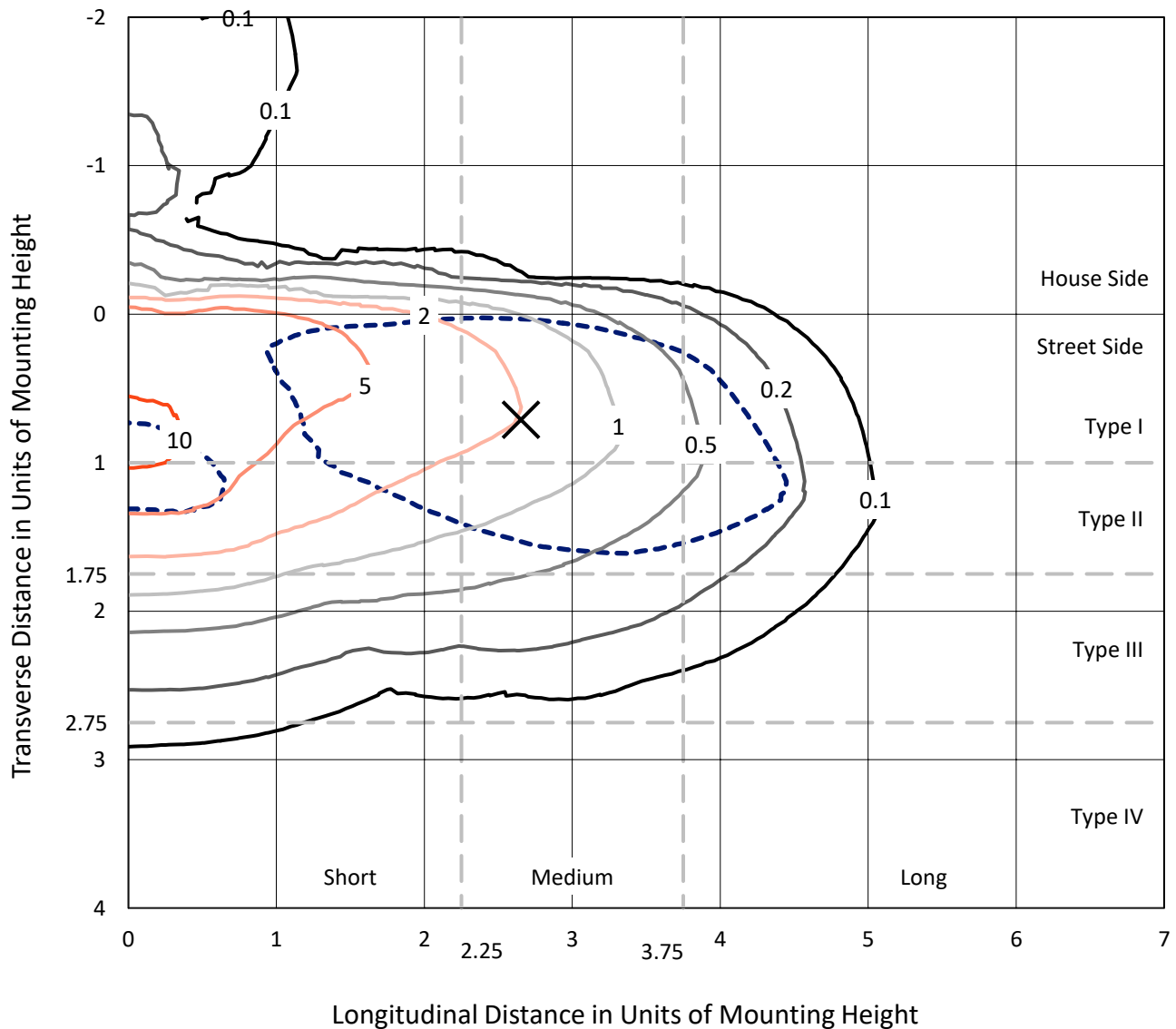


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

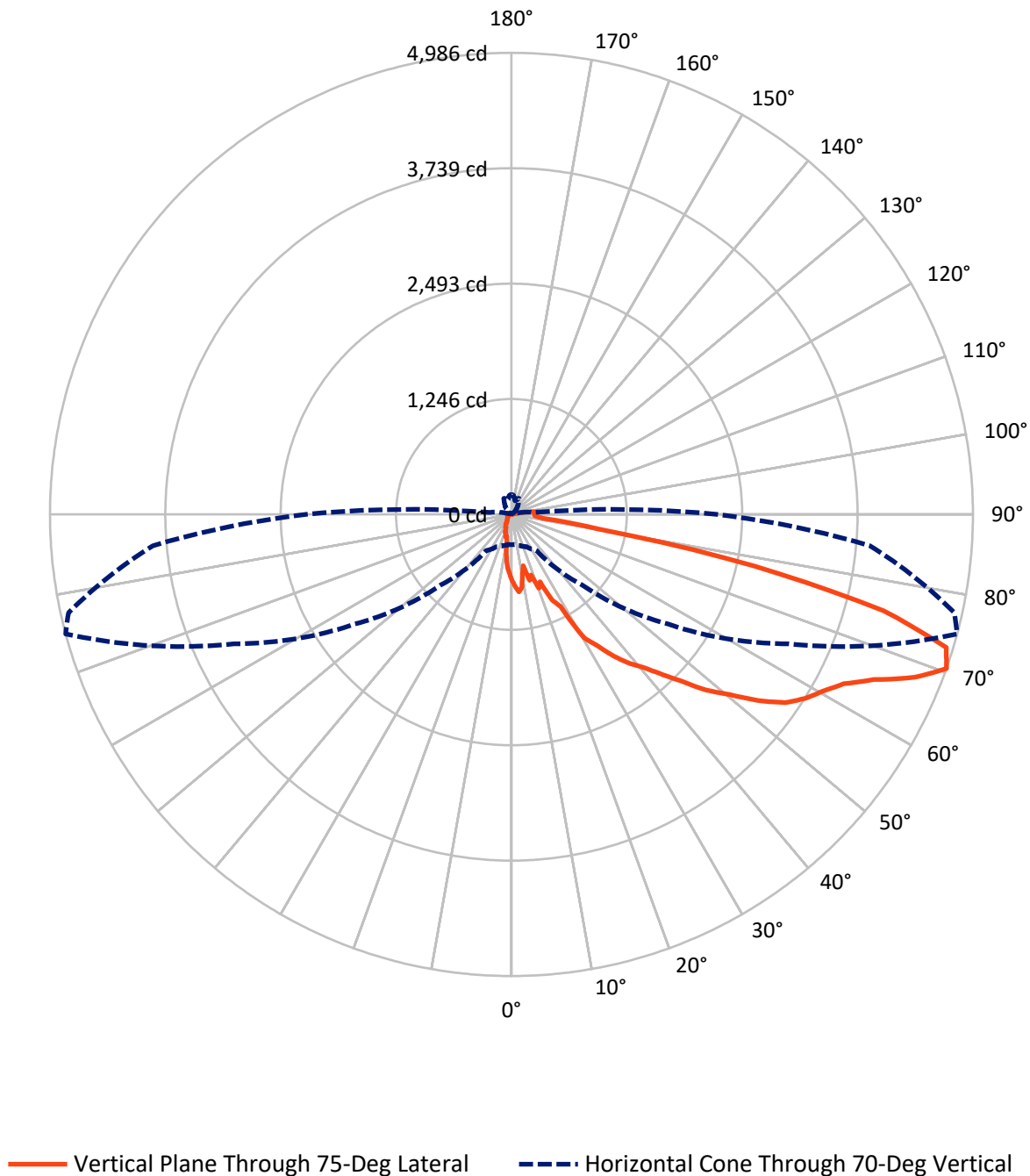


Based on 10 foot mounting height. Maximum calculated value = 13 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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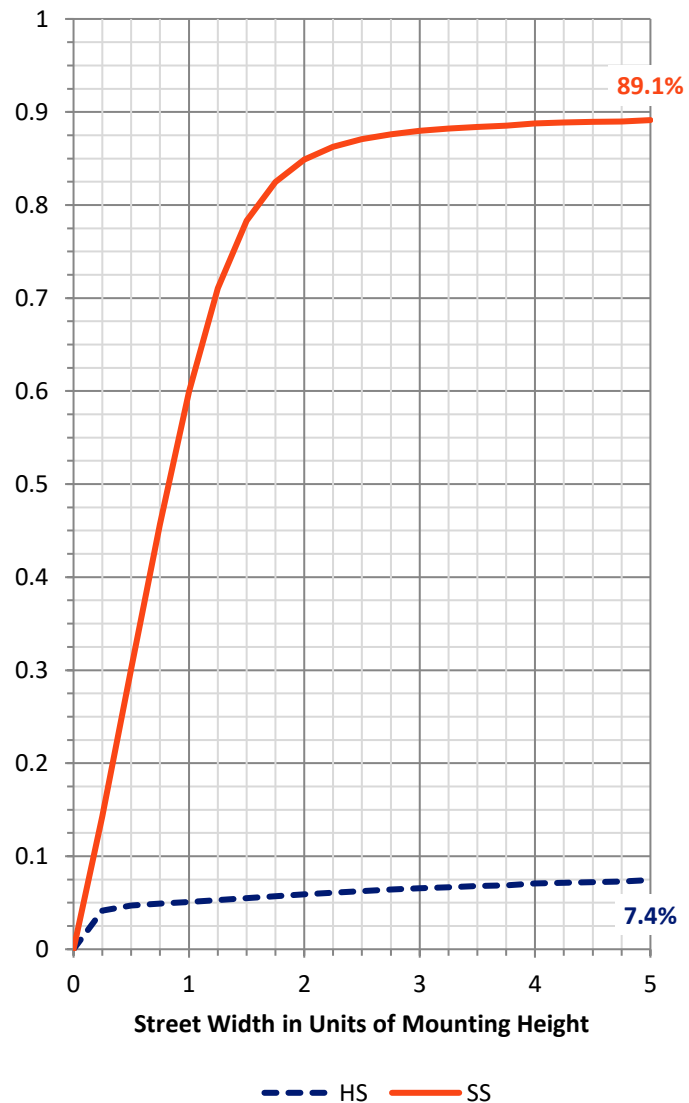
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	424.9	52.8	477.7
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	4670.6	66.5	4737.1
	% Fixture	89.6	1.3	90.8
Total	Lumens	5095.5	119.3	5214.8
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.1
10°-20°	137.6	2.6
20°-30°	258.1	4.9
30°-40°	579.1	11.1
40°-50°	953.1	18.3
50°-60°	1168.3	22.4
60°-70°	1094.2	21.0
70°-80°	712.6	13.7
80°-90°	136.1	2.6
90°-100°	78.1	1.5
100°-110°	17.6	0.3
110°-120°	8.9	0.2
120°-130°	7.5	0.1
130°-140°	3.7	0.1
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5095.5	97.7
0°-180°	5214.8	100.0

Coefficient of Utilization



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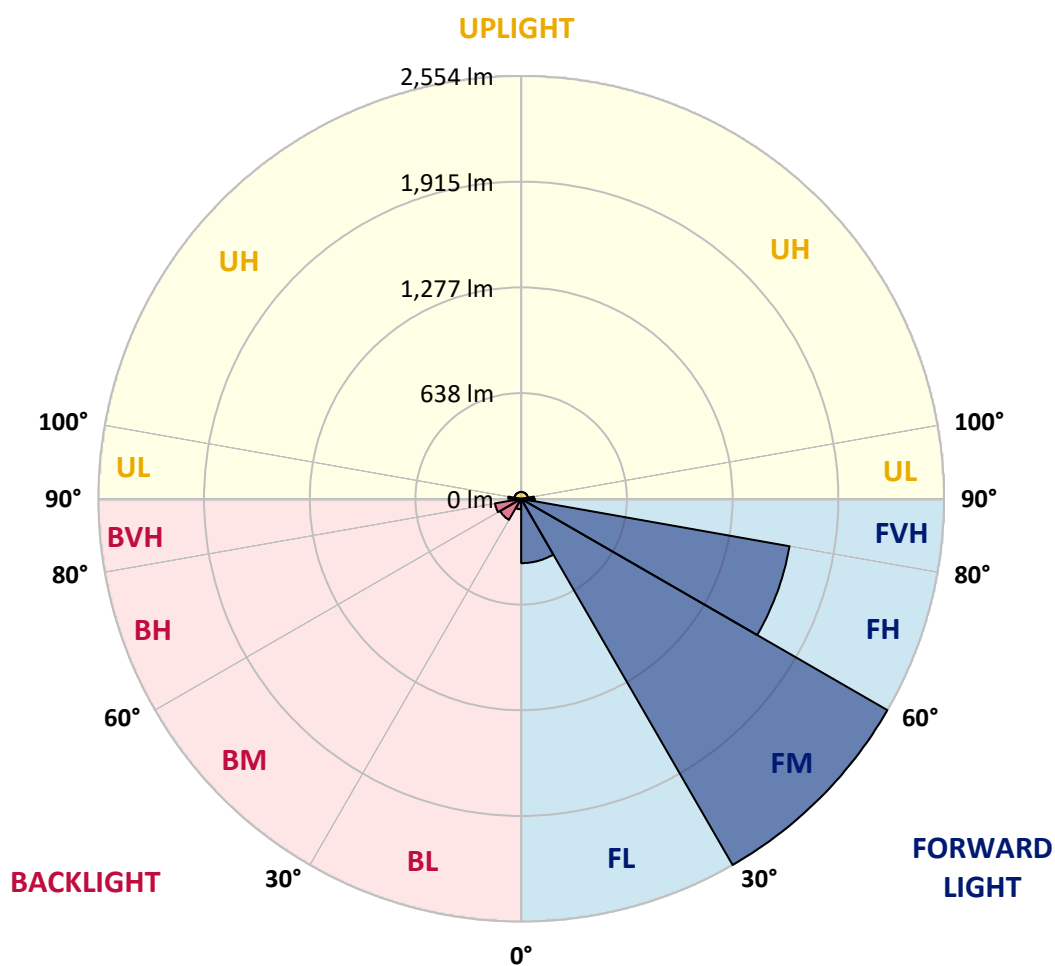
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	388.5	7.4			
FM	(30°-60°)	2553.8	49.0			
FH	(60°-80°)	1646.0	31.6			G1/1800
FVH	(80°-90°)	82.4	1.6			G1/100
BL	(0°-30°)	63.5	1.2	B0/110		
BM	(30°-60°)	146.8	2.8	B0/220		
BH	(60°-80°)	160.9	3.1	B1/500		G1/500
BVH	(80°-90°)	53.7	1.0			G1/100
UL	(90°-100°)	78.1	1.5		U3/500	
UH	(100°-180°)	41.2	0.8		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°	75°	77.5°	85°
0°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4
2.5°	791.6	841.4	856.3	881.2	893.6	878.7	851.3	816.5	779.1	769.2	736.8
5°	898.6	888.7	881.2	881.2	866.3	833.9	804.0	896.1	838.9	826.4	761.7
7.5°	816.5	893.6	950.9	955.9	948.4	923.5	881.2	786.6	799.0	784.1	704.5
10°	988.2	990.7	980.8	988.2	918.5	883.7	746.8	689.5	644.7	704.5	632.3
12.5°	819.0	940.9	1010.6	1035.5	948.4	833.9	764.2	734.3	570.0	555.1	572.5
15°	1000.7	1005.7	1013.1	988.2	769.2	873.7	709.4	654.7	739.3	719.4	706.9
17.5°	791.6	801.5	970.8	960.8	891.1	692.0	843.9	751.7	687.0	662.1	644.7
20°	1008.1	1010.6	1008.1	764.2	831.4	931.0	794.1	769.2	851.3	841.4	796.6
22.5°	846.3	846.3	903.6	980.8	873.7	933.5	809.0	958.4	791.6	786.6	592.4
25°	1169.9	1169.9	1130.1	866.3	990.7	878.7	960.8	861.3	1023.1	988.2	888.7
27.5°	1137.6	1102.7	1040.5	1092.8	958.4	1100.2	931.0	1050.5	1127.6	1160.0	1107.7
30°	1580.7	1580.7	1513.5	1169.9	1122.6	1062.9	1075.4	1257.1	1545.8	1550.8	1339.2
32.5°	2140.7	2100.9	1745.0	1508.5	1227.2	1334.2	1214.7	1478.6	1680.2	1672.8	1423.8
35°	2369.8	2357.3	2247.8	1852.0	1421.4	1461.2	1369.1	1563.2	1861.9	1812.2	1525.9
37.5°	2603.7	2583.8	2471.8	2046.2	1625.5	1677.7	1483.6	1687.7	2028.7	1956.5	1637.9
40°	2748.1	2750.6	2671.0	2200.5	1787.3	1814.7	1620.5	1839.5	2163.1	2178.1	1735.0
42.5°	2900.0	2897.5	2832.8	2382.2	1921.7	1956.5	1730.0	1983.9	2344.9	2362.3	1899.3
45°	2982.1	2977.1	2939.8	2506.7	2028.7	2053.6	1899.3	2160.7	2566.4	2561.4	2033.7
47.5°	3002.0	3009.5	3007.0	2628.6	2140.7	2150.7	2051.1	2290.1	2835.2	2780.5	2210.4
50°	2890.0	2895.0	2929.8	2725.7	2222.9	2232.8	2170.6	2437.0	3061.8	2997.0	2369.8
52.5°	2578.8	2608.7	2755.6	2666.0	2257.7	2295.1	2282.6	2549.0	3338.1	3258.4	2566.4
55°	1916.7	1986.4	2322.5	2441.9	2240.3	2297.6	2382.2	2753.1	3589.5	3492.4	2725.7
57.5°	1528.4	1540.8	1740.0	2068.6	2098.4	2285.1	2486.7	2877.6	3746.3	3649.2	2840.2
60°	1207.3	1227.2	1356.6	1620.5	1832.1	2210.4	2516.6	3004.5	3870.8	3788.6	2967.2
62.5°	936.0	933.5	1033.0	1209.8	1476.1	2053.6	2476.8	3081.7	4030.1	3967.8	3193.7
65°	652.2	652.2	736.8	878.7	1117.7	1772.3	2397.1	3191.2	4301.4	4284.0	3475.0
67.5°	445.6	455.5	512.8	582.5	766.7	1441.3	2277.7	3303.2	4697.2	4615.0	3746.3
70°	326.1	326.1	348.5	385.8	477.9	1075.4	2063.6	3305.7	4985.9	4901.3	3888.2
72.5°	241.5	241.5	258.9	276.3	301.2	714.4	1692.7	3096.6	4911.3	4776.8	3599.4
75°	127.0	127.0	196.6	204.1	201.6	463.0	1249.6	2544.0	4152.0	3928.0	2817.8
77.5°	99.6	102.1	112.0	159.3	146.9	303.7	697.0	1565.7	2683.4	2409.6	1525.9
80°	72.2	69.7	87.1	102.1	87.1	176.7	328.6	687.0	950.9	823.9	502.8
82.5°	42.3	44.8	52.3	74.7	74.7	124.5	214.1	301.2	341.0	338.5	301.2
85°	5.0	7.5	27.4	49.8	44.8	72.2	179.2	209.1	268.8	273.8	268.8
87.5°	5.0	5.0	7.5	10.0	12.4	47.3	151.8	181.7	248.9	266.3	268.8
90°	10.0	7.5	5.0	5.0	7.5	37.3	141.9	186.7	263.9	268.8	281.3
92.5°	12.4	10.0	5.0	2.5	7.5	29.9	134.4	186.7	273.8	291.2	303.7
95°	17.4	14.9	5.0	2.5	7.5	24.9	114.5	176.7	286.3	316.1	328.6
97.5°	22.4	19.9	5.0	5.0	7.5	19.9	89.6	139.4	189.2	214.1	231.5
100°	24.9	24.9	5.0	5.0	7.5	12.4	44.8	77.2	59.7	57.3	64.7
102.5°	27.4	27.4	5.0	5.0	5.0	7.5	14.9	32.4	12.4	12.4	19.9
105°	27.4	27.4	5.0	5.0	5.0	5.0	5.0	12.4	10.0	12.4	22.4
107.5°	24.9	27.4	5.0	7.5	7.5	5.0	5.0	5.0	10.0	14.9	22.4
110°	22.4	22.4	5.0	7.5	7.5	5.0	2.5	5.0	10.0	14.9	24.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	17.4	12.4	2.5	7.5	5.0	5.0	2.5	5.0	12.4	17.4	24.9
115°	7.5	5.0	2.5	5.0	5.0	5.0	2.5	5.0	12.4	19.9	24.9
117.5°	5.0	2.5	2.5	2.5	2.5	5.0	2.5	7.5	17.4	22.4	29.9
120°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	7.5	22.4	24.9	34.8
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	22.4	24.9	34.8
125°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	17.4	22.4	29.9
127.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	12.4	17.4	24.9
130°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	12.4	14.9	19.9
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	7.5	10.0	14.9
135°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	10.0
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5
150°	5.0	7.5	12.4	10.0	5.0	2.5	5.0	2.5	2.5	2.5	2.5
152.5°	12.4	12.4	10.0	10.0	2.5	2.5	5.0	5.0	2.5	2.5	2.5
155°	10.0	10.0	7.5	2.5	2.5	2.5	2.5	5.0	7.5	10.0	7.5
157.5°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	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°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4
2.5°	711.9	687.0	632.3	589.9	545.1	520.3	473.0	433.1	403.3	398.3	398.3
5°	711.9	662.1	565.1	460.5	363.4	313.6	286.3	268.8	256.4	251.4	248.9
7.5°	637.2	572.5	443.1	321.1	278.8	234.0	201.6	176.7	154.3	146.9	139.4
10°	557.6	477.9	301.2	221.5	176.7	146.9	131.9	124.5	117.0	114.5	114.5
12.5°	495.4	413.2	241.5	181.7	124.5	104.5	99.6	94.6	92.1	89.6	87.1
15°	604.9	495.4	251.4	124.5	87.1	74.7	69.7	72.2	77.2	77.2	77.2
17.5°	560.1	435.6	209.1	94.6	72.2	54.8	59.7	64.7	69.7	62.2	59.7
20°	669.6	512.8	204.1	74.7	59.7	54.8	52.3	44.8	57.3	57.3	57.3
22.5°	485.4	388.3	154.3	69.7	49.8	47.3	39.8	44.8	47.3	39.8	39.8
25°	719.4	505.3	151.8	54.8	49.8	37.3	39.8	32.4	39.8	39.8	39.8
27.5°	891.1	597.4	134.4	57.3	42.3	37.3	29.9	32.4	29.9	29.9	29.9
30°	1060.4	672.1	122.0	57.3	39.8	29.9	27.4	24.9	29.9	29.9	29.9
32.5°	1110.2	654.7	97.1	59.7	37.3	27.4	22.4	24.9	24.9	27.4	27.4
35°	1167.5	639.7	82.1	52.3	34.8	24.9	19.9	22.4	24.9	27.4	27.4
37.5°	1222.2	614.8	74.7	47.3	29.9	22.4	17.4	19.9	52.3	57.3	57.3
40°	1291.9	585.0	69.7	42.3	24.9	17.4	14.9	39.8	47.3	54.8	54.8
42.5°	1391.5	567.5	64.7	39.8	22.4	14.9	14.9	34.8	67.2	74.7	74.7
45°	1473.6	537.7	62.2	34.8	19.9	12.4	24.9	47.3	54.8	69.7	67.2
47.5°	1575.7	510.3	59.7	32.4	17.4	12.4	27.4	49.8	69.7	79.7	79.7
50°	1685.2	495.4	57.3	29.9	17.4	12.4	47.3	47.3	57.3	89.6	89.6
52.5°	1824.6	485.4	52.3	24.9	14.9	24.9	64.7	57.3	69.7	92.1	92.1
55°	1891.8	453.0	49.8	22.4	12.4	24.9	69.7	64.7	72.2	97.1	97.1
57.5°	1951.6	420.7	44.8	22.4	12.4	32.4	74.7	82.1	69.7	84.6	94.6
60°	2006.3	388.3	39.8	19.9	12.4	39.8	82.1	114.5	97.1	114.5	114.5
62.5°	2133.3	363.4	34.8	22.4	10.0	44.8	107.0	139.4	109.5	139.4	136.9
65°	2252.8	333.6	32.4	19.9	12.4	52.3	117.0	161.8	119.5	161.8	161.8
67.5°	2300.1	296.2	29.9	19.9	12.4	59.7	117.0	179.2	141.9	181.7	184.2
70°	2217.9	243.9	27.4	22.4	14.9	67.2	122.0	191.7	151.8	211.6	211.6
72.5°	1884.4	166.8	27.4	24.9	29.9	74.7	144.4	199.1	159.3	253.9	256.4
75°	1406.4	94.6	29.9	27.4	32.4	84.6	159.3	206.6	166.8	256.4	256.4
77.5°	801.5	64.7	29.9	32.4	39.8	84.6	166.8	214.1	164.3	251.4	246.4
80°	278.8	47.3	29.9	37.3	49.8	84.6	169.3	211.6	159.3	234.0	234.0
82.5°	189.2	39.8	29.9	37.3	59.7	89.6	166.8	199.1	141.9	196.6	189.2
85°	176.7	32.4	32.4	39.8	64.7	89.6	151.8	171.8	119.5	146.9	144.4
87.5°	174.2	29.9	37.3	42.3	69.7	82.1	129.4	141.9	97.1	119.5	117.0
90°	181.7	29.9	39.8	44.8	64.7	67.2	104.5	119.5	79.7	94.6	92.1
92.5°	194.2	29.9	42.3	49.8	57.3	49.8	84.6	94.6	67.2	72.2	69.7
95°	206.6	29.9	47.3	52.3	47.3	37.3	64.7	77.2	54.8	52.3	52.3
97.5°	136.9	22.4	49.8	52.3	39.8	27.4	49.8	59.7	32.4	27.4	27.4
100°	44.8	17.4	52.3	54.8	37.3	19.9	42.3	44.8	24.9	12.4	12.4
102.5°	19.9	17.4	47.3	47.3	32.4	14.9	29.9	32.4	17.4	5.0	5.0
105°	17.4	10.0	27.4	34.8	22.4	7.5	14.9	17.4	10.0	5.0	5.0
107.5°	19.9	10.0	14.9	19.9	10.0	7.5	7.5	7.5	5.0	5.0	5.0
110°	19.9	10.0	7.5	12.4	10.0	7.5	5.0	5.0	5.0	7.5	7.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.4	10.0	7.5	10.0	7.5	7.5	5.0	5.0	10.0	17.4	17.4
115°	22.4	10.0	7.5	10.0	7.5	7.5	5.0	2.5	10.0	24.9	27.4
117.5°	24.9	12.4	5.0	7.5	5.0	5.0	5.0	2.5	12.4	32.4	32.4
120°	29.9	12.4	5.0	5.0	5.0	2.5	5.0	5.0	12.4	34.8	34.8
122.5°	29.9	14.9	5.0	5.0	5.0	2.5	2.5	5.0	14.9	32.4	34.8
125°	24.9	12.4	5.0	5.0	5.0	2.5	2.5	5.0	14.9	29.9	34.8
127.5°	19.9	12.4	5.0	5.0	5.0	2.5	2.5	5.0	14.9	24.9	27.4
130°	17.4	10.0	5.0	5.0	5.0	2.5	2.5	5.0	12.4	19.9	22.4
132.5°	12.4	7.5	5.0	5.0	5.0	2.5	2.5	2.5	12.4	19.9	19.9
135°	10.0	7.5	5.0	5.0	5.0	2.5	2.5	2.5	10.0	14.9	14.9
137.5°	5.0	2.5	5.0	5.0	5.0	2.5	2.5	2.5	7.5	7.5	7.5
140°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	2.5
142.5°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
155°	5.0	5.0	2.5	5.0	2.5	2.5	0.0	2.5	2.5	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	2.5	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

(END OF REPORT)