

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: P561146

Luminaire Tested: **SDL-PA1-80-827-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561146
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-PA1-80-827-U-SL3-A
Description: Springdale
(1) 80 CRI, 2700K, 1050mA 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: 6382.2 lumens
Efficiency: N/A
Efficacy: 77.8 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 - G3

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

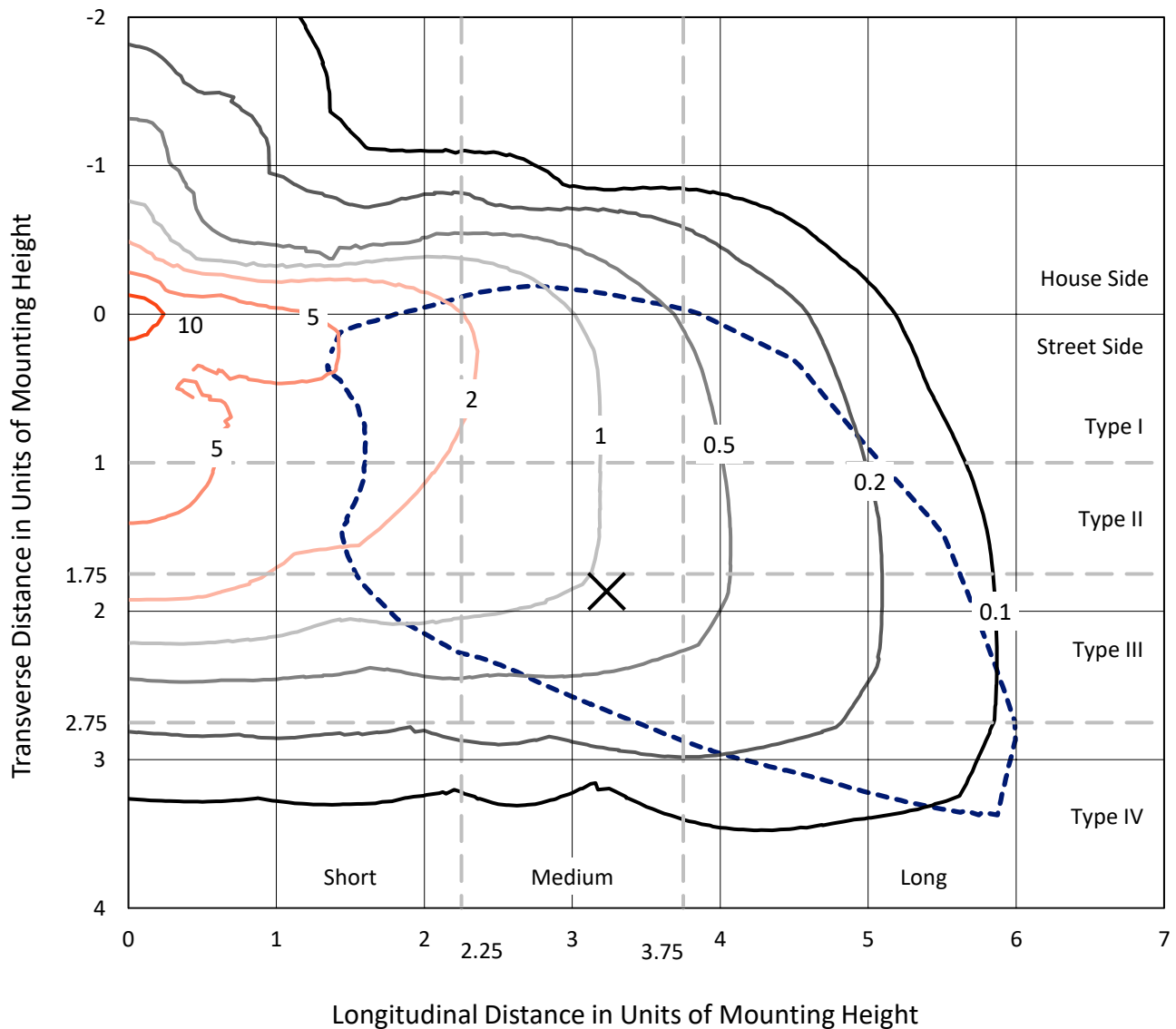


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

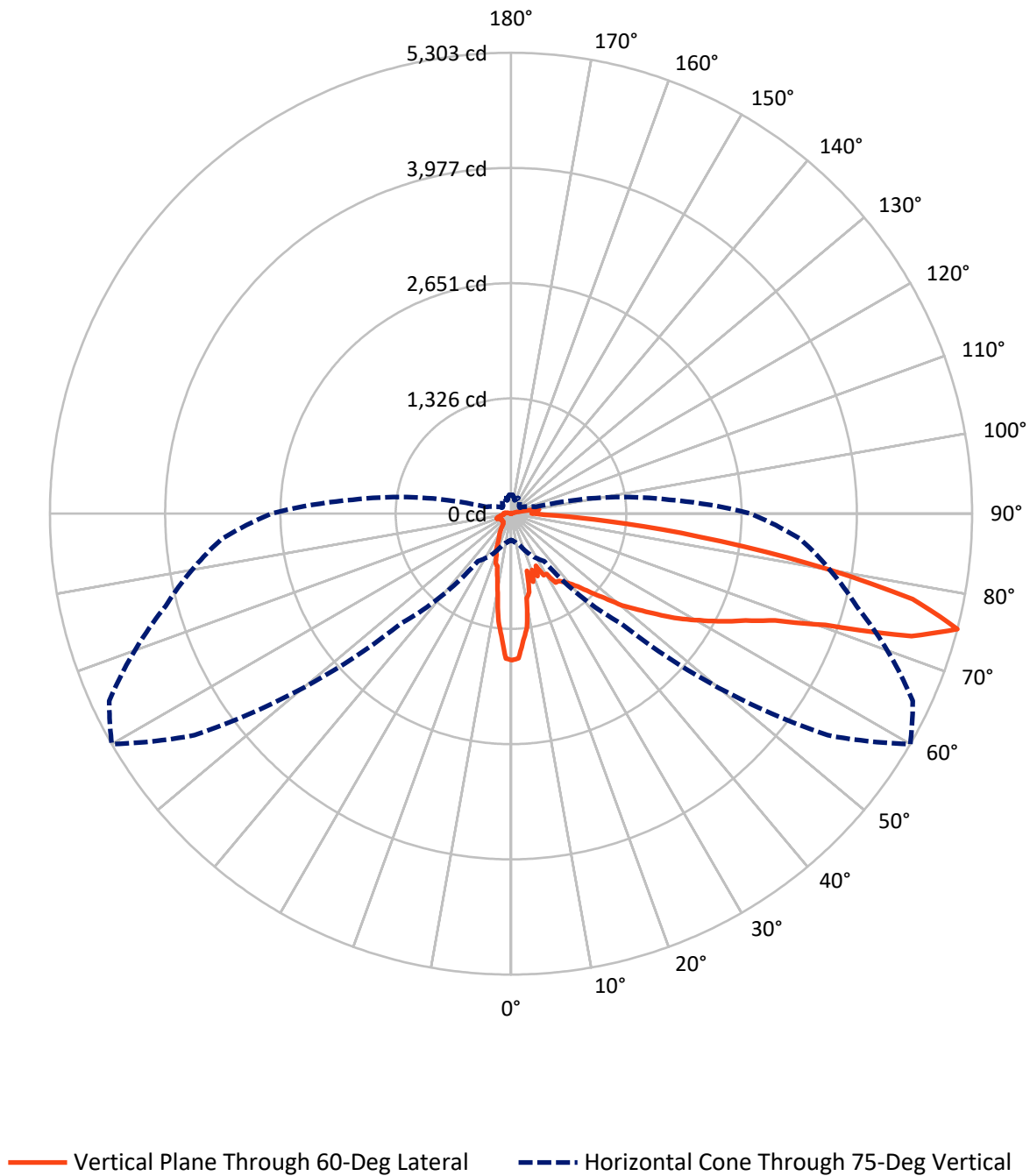


Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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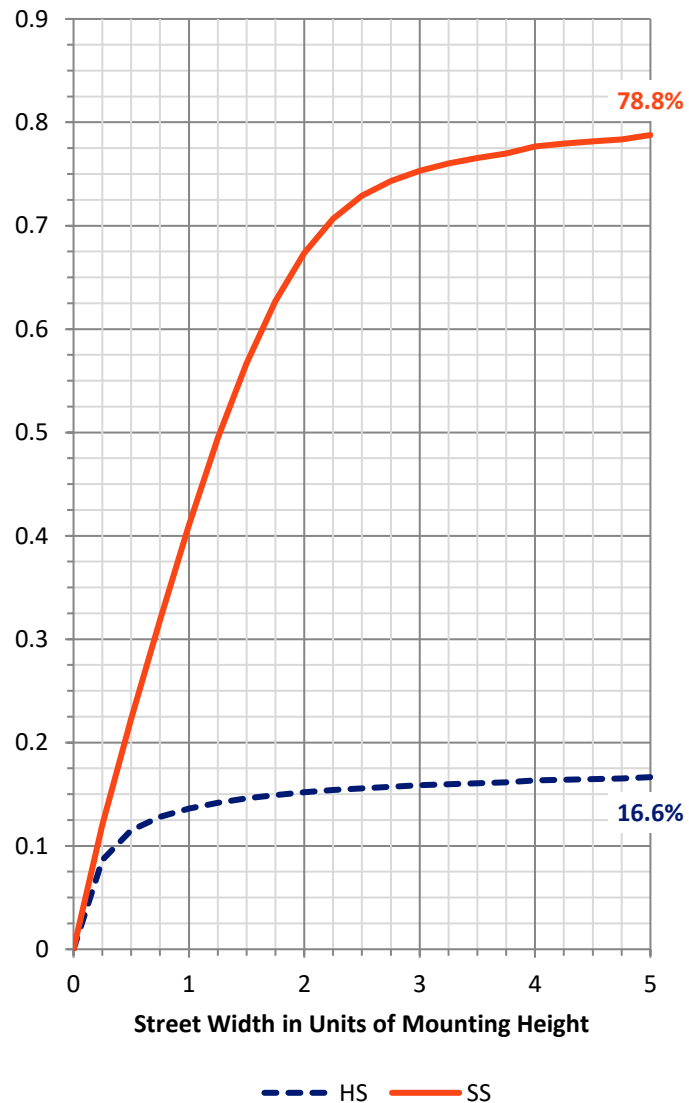
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1120.4	85.0	1205.4
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	5086.9	89.9	5176.8
	% Fixture	79.7	1.4	81.1
Total	Lumens	6207.3	174.8	6382.2
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	1.9
10°-20°	220.7	3.5
20°-30°	286.0	4.5
30°-40°	476.7	7.5
40°-50°	763.2	12.0
50°-60°	1171.7	18.4
60°-70°	1464.1	22.9
70°-80°	1335.4	20.9
80°-90°	365.4	5.7
90°-100°	122.7	1.9
100°-110°	27.9	0.4
110°-120°	8.9	0.1
120°-130°	8.3	0.1
130°-140°	3.9	0.1
140°-150°	1.7	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6207.3	97.3
0°-180°	6382.2	100.0

Coefficient of Utilization



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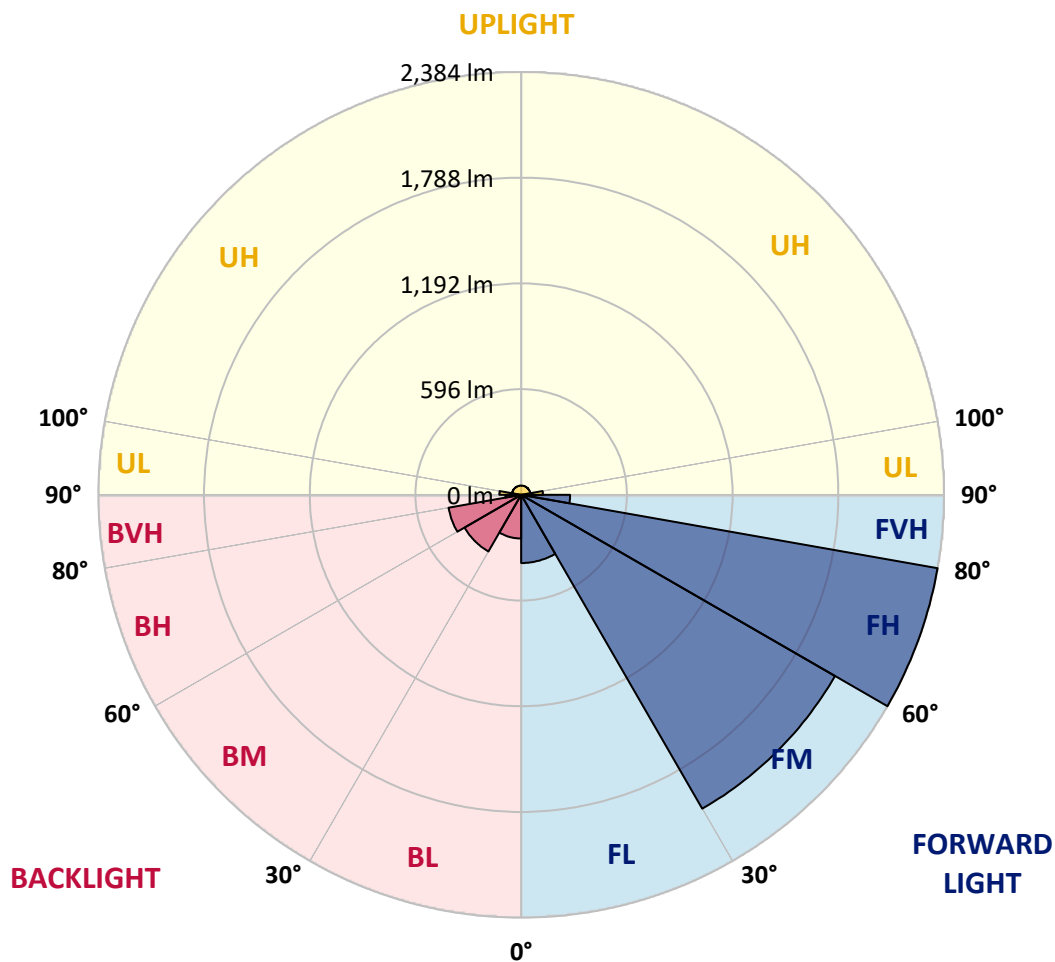
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	384.4	6.0			
FM	(30°-60°)	2043.0	32.0			
FH	(60°-80°)	2383.8	37.4			G2/5000
FVH	(80°-90°)	275.7	4.3			G3/500
BL	(0°-30°)	246.3	3.9	B1/500		
BM	(30°-60°)	368.7	5.8	B1/1000		
BH	(60°-80°)	415.7	6.5	B1/500		G1/500
BVH	(80°-90°)	89.7	1.4			G1/100
UL	(90°-100°)	122.7	1.9		U3/500	
UH	(100°-180°)	52.1	0.8		U3/500	

BUG Rating: B1-U3-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4
2.5°	1414.1	1546.0	1533.6	1635.6	1635.6	1658.0	1668.0	1665.5	1675.5	1685.4	1682.9
5°	1302.0	1304.5	1314.5	1336.9	1344.4	1351.8	1376.7	1463.9	1610.7	1645.6	1645.6
7.5°	1075.5	1135.2	1209.9	1222.4	1267.2	1289.6	1317.0	1322.0	1222.4	1401.6	1419.0
10°	1090.4	1092.9	1087.9	1115.3	1083.0	1070.5	983.4	988.4	998.3	1065.5	1200.0
12.5°	853.9	903.7	1010.8	1060.5	980.9	893.7	888.8	931.1	948.5	848.9	1058.1
15°	975.9	980.9	983.4	985.9	731.9	848.9	741.9	682.1	764.3	963.5	1095.4
17.5°	764.3	769.3	886.3	883.8	806.6	652.3	806.6	824.0	791.7	819.1	916.2
20°	896.2	898.7	891.3	692.1	707.0	799.1	694.6	692.1	731.9	943.5	1065.5
22.5°	736.9	726.9	724.5	791.7	719.5	769.3	674.7	781.7	848.9	841.5	804.1
25°	923.6	921.1	883.8	689.6	736.9	652.3	789.2	662.2	734.4	1018.2	1065.5
27.5°	863.9	829.0	766.8	796.7	687.1	764.3	702.1	801.6	846.4	1045.6	1234.8
30°	1117.8	1092.9	1020.7	804.1	759.3	704.5	751.8	804.1	963.5	1346.8	1411.6
32.5°	1476.3	1448.9	1190.0	985.9	796.7	834.0	791.7	943.5	1063.0	1374.2	1424.0
35°	1585.8	1548.5	1421.5	1195.0	913.7	886.3	844.0	951.0	1078.0	1446.4	1446.4
37.5°	1648.1	1645.6	1585.8	1319.5	1030.7	1015.7	908.7	998.3	1137.7	1516.1	1501.2
40°	1658.0	1670.5	1697.9	1429.0	1170.1	1137.7	993.3	1063.0	1222.4	1600.8	1570.9
42.5°	1740.2	1762.6	1824.8	1573.4	1309.5	1279.6	1092.9	1157.6	1314.5	1725.3	1717.8
45°	1872.1	1894.5	1949.3	1732.7	1431.5	1411.6	1254.7	1294.6	1463.9	1944.3	1874.6
47.5°	2146.0	2151.0	2128.6	1864.7	1563.4	1563.4	1411.6	1448.9	1598.3	2146.0	2078.8
50°	2419.8	2390.0	2290.4	2021.5	1695.4	1732.7	1573.4	1660.5	1750.2	2350.1	2258.0
52.5°	2571.7	2566.7	2432.3	2141.0	1809.9	1882.1	1760.1	1834.8	1889.6	2556.8	2427.3
55°	2576.7	2569.2	2477.1	2198.3	1917.0	2036.5	1946.8	2043.9	2083.8	2718.6	2658.8
57.5°	2494.5	2514.4	2467.1	2230.6	1969.2	2185.8	2173.4	2277.9	2297.9	2910.3	2818.2
60°	2365.1	2362.6	2419.8	2260.5	2048.9	2327.7	2382.5	2489.6	2596.6	3057.2	2960.1
62.5°	2041.4	2063.8	2225.7	2260.5	2136.0	2512.0	2616.5	2728.5	2860.5	3191.6	3087.0
65°	1598.3	1610.7	1864.7	2096.2	2160.9	2758.4	2853.0	2965.1	3104.5	3328.5	3228.9
67.5°	965.9	1048.1	1267.2	1725.3	2034.0	3054.7	3228.9	3276.2	3355.9	3482.9	3438.1
70°	550.2	575.1	679.6	1085.4	1697.9	3149.3	3921.0	3836.4	3754.2	3784.1	3699.5
72.5°	418.2	433.2	480.5	642.3	1015.7	2780.8	4503.6	4817.3	4463.8	4097.8	3692.0
75°	303.7	318.7	366.0	517.8	667.2	1782.5	4443.8	5302.7	5098.6	4112.7	3338.5
77.5°	189.2	191.7	219.1	440.7	600.0	893.7	3477.9	4722.7	4812.3	3841.4	2768.4
80°	131.9	134.4	139.4	236.5	552.7	717.0	2335.2	3467.9	3594.9	2673.8	1411.6
82.5°	94.6	99.6	104.6	139.4	358.5	684.6	1453.9	2183.3	1924.4	968.4	572.6
85°	49.8	54.8	67.2	84.6	144.4	744.4	871.3	1110.3	878.8	393.3	341.1
87.5°	19.9	17.4	14.9	22.4	39.8	286.3	338.6	373.4	288.8	221.6	271.4
90°	17.4	14.9	10.0	12.4	17.4	102.1	214.1	239.0	199.2	216.6	273.9
92.5°	17.4	14.9	10.0	10.0	17.4	102.1	256.4	261.4	206.6	221.6	286.3
95°	17.4	17.4	10.0	10.0	17.4	92.1	303.7	298.7	214.1	234.0	303.7
97.5°	17.4	17.4	7.5	10.0	17.4	62.2	313.7	323.6	209.1	166.8	251.4
100°	17.4	17.4	7.5	7.5	14.9	39.8	219.1	236.5	154.4	54.8	62.2
102.5°	17.4	17.4	7.5	7.5	10.0	27.4	97.1	117.0	92.1	17.4	19.9
105°	17.4	19.9	5.0	5.0	7.5	14.9	42.3	47.3	37.3	12.4	22.4
107.5°	19.9	22.4	5.0	5.0	5.0	7.5	14.9	17.4	10.0	10.0	22.4
110°	22.4	22.4	5.0	5.0	5.0	7.5	5.0	5.0	7.5	10.0	24.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	17.4	14.9	2.5	5.0	5.0	5.0	5.0	5.0	5.0	10.0	24.9
115°	10.0	7.5	2.5	5.0	5.0	5.0	2.5	5.0	7.5	10.0	22.4
117.5°	10.0	7.5	2.5	2.5	2.5	5.0	2.5	2.5	7.5	12.4	27.4
120°	7.5	7.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	17.4	37.3
122.5°	7.5	7.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	17.4	37.3
125°	10.0	10.0	5.0	2.5	2.5	2.5	2.5	5.0	5.0	14.9	34.9
127.5°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	5.0	5.0	12.4	27.4
130°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	5.0	2.5	12.4	22.4
132.5°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	7.5	17.4
135°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0	12.4
137.5°	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0
140°	0.0	2.5	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	5.0	10.0	7.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	10.0	10.0	10.0	7.5	2.5	2.5	5.0	7.5	2.5	2.5	2.5
155°	7.5	7.5	7.5	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5
157.5°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	2.5	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°	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4	1685.4
2.5°	1675.5	1680.4	1675.5	1670.5	1665.5	1650.6	1548.5	1424.0	1414.1	1424.0	1419.0
5°	1633.1	1633.1	1630.7	1458.9	1356.8	1326.9	1319.5	1312.0	1297.1	1289.6	1294.6
7.5°	1409.1	1401.6	1314.5	1160.1	1257.2	1222.4	1202.5	1192.5	1043.1	988.4	993.3
10°	1177.6	1177.6	978.4	923.6	918.6	933.6	1035.7	1028.2	1008.3	995.8	1008.3
12.5°	1015.7	1058.1	776.7	831.5	674.7	746.9	816.6	866.4	714.5	672.2	679.6
15°	1078.0	1063.0	853.9	652.3	595.0	627.4	502.9	629.9	619.9	600.0	597.5
17.5°	941.1	863.9	712.0	612.4	587.5	443.1	430.7	445.6	408.3	373.4	390.9
20°	1023.2	980.9	754.3	545.2	453.1	403.3	303.7	283.8	361.0	378.4	375.9
22.5°	853.9	712.0	617.4	542.7	366.0	288.8	229.0	251.4	268.9	286.3	293.8
25°	1003.3	926.1	674.7	405.8	296.3	211.6	206.6	186.7	281.3	321.2	318.7
27.5°	1157.6	1048.1	649.8	380.9	214.1	181.7	166.8	189.2	196.7	221.6	236.5
30°	1294.6	1162.6	751.8	353.5	179.2	136.9	149.4	154.4	191.7	206.6	206.6
32.5°	1289.6	1130.3	672.2	301.2	146.9	124.5	124.5	146.9	169.3	204.1	206.6
35°	1287.1	1105.4	600.0	234.0	129.5	109.5	114.5	139.4	169.3	189.2	191.7
37.5°	1317.0	1097.9	527.8	189.2	117.0	104.6	109.5	131.9	181.7	201.7	201.7
40°	1361.8	1102.9	455.6	161.8	112.0	102.1	104.6	139.4	164.3	181.7	181.7
42.5°	1498.7	1175.1	393.3	149.4	112.0	99.6	99.6	129.5	166.8	196.7	199.2
45°	1600.8	1232.3	346.0	149.4	109.5	94.6	104.6	129.5	146.9	216.6	231.5
47.5°	1765.1	1336.9	301.2	149.4	109.5	92.1	97.1	127.0	154.4	249.0	258.9
50°	1929.4	1441.4	281.3	149.4	109.5	89.6	109.5	122.0	154.4	258.9	266.4
52.5°	2103.7	1570.9	268.9	149.4	109.5	94.6	119.5	146.9	166.8	231.5	229.0
55°	2282.9	1685.4	261.4	154.4	109.5	94.6	129.5	136.9	141.9	179.2	184.2
57.5°	2449.7	1824.8	276.3	154.4	107.1	99.6	122.0	134.4	124.5	156.8	159.3
60°	2581.7	1951.8	313.7	149.4	104.6	99.6	124.5	146.9	139.4	171.8	176.8
62.5°	2733.5	2086.2	400.8	151.9	104.6	102.1	139.4	159.3	141.9	169.3	179.2
65°	2932.7	2290.4	497.9	166.8	107.1	107.1	141.9	171.8	141.9	166.8	166.8
67.5°	3156.8	2479.6	497.9	194.2	114.5	114.5	141.9	181.7	151.9	166.8	166.8
70°	3321.1	2489.6	410.8	214.1	124.5	122.0	146.9	189.2	154.4	184.2	181.7
72.5°	3139.3	2218.2	341.1	211.6	134.4	127.0	166.8	194.2	156.8	209.1	206.6
75°	2755.9	1829.8	296.3	189.2	122.0	129.5	174.3	199.2	159.3	219.1	214.1
77.5°	2173.4	1334.4	251.4	159.3	107.1	124.5	179.2	204.1	164.3	231.5	229.0
80°	1053.1	669.7	204.1	134.4	97.1	119.5	179.2	201.7	161.8	239.0	239.0
82.5°	475.5	333.6	139.4	92.1	97.1	122.0	184.2	204.1	161.8	234.0	231.5
85°	308.7	229.0	89.6	72.2	97.1	139.4	186.7	194.2	154.4	216.6	216.6
87.5°	231.5	159.3	47.3	44.8	107.1	151.9	186.7	179.2	149.4	204.1	199.2
90°	236.5	169.3	49.8	44.8	114.5	154.4	186.7	176.8	144.4	184.2	184.2
92.5°	256.4	186.7	57.3	49.8	117.0	139.4	176.8	159.3	134.4	159.3	156.8
95°	278.8	209.1	67.2	57.3	102.1	102.1	139.4	129.5	114.5	122.0	122.0
97.5°	204.1	149.4	59.7	62.2	77.2	64.7	92.1	87.1	59.7	54.8	52.3
100°	59.7	49.8	54.8	59.7	54.8	47.3	69.7	67.2	39.8	19.9	19.9
102.5°	22.4	24.9	49.8	54.8	42.3	34.9	49.8	54.8	32.4	5.0	7.5
105°	19.9	17.4	34.9	42.3	24.9	19.9	24.9	34.9	19.9	5.0	5.0
107.5°	22.4	17.4	17.4	22.4	10.0	10.0	10.0	12.4	7.5	5.0	5.0
110°	22.4	17.4	10.0	10.0	7.5	7.5	7.5	5.0	5.0	5.0	5.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.4	17.4	10.0	10.0	7.5	7.5	5.0	5.0	7.5	12.4	12.4
115°	24.9	19.9	10.0	7.5	5.0	7.5	5.0	2.5	7.5	17.4	17.4
117.5°	29.9	22.4	7.5	7.5	5.0	5.0	5.0	2.5	7.5	22.4	24.9
120°	37.3	27.4	10.0	5.0	5.0	5.0	5.0	2.5	10.0	24.9	27.4
122.5°	37.3	29.9	10.0	5.0	5.0	2.5	2.5	5.0	10.0	24.9	27.4
125°	34.9	27.4	10.0	5.0	5.0	2.5	2.5	2.5	12.4	24.9	27.4
127.5°	27.4	24.9	10.0	5.0	2.5	2.5	2.5	5.0	10.0	22.4	22.4
130°	22.4	19.9	7.5	5.0	2.5	2.5	2.5	2.5	10.0	17.4	19.9
132.5°	17.4	14.9	7.5	5.0	2.5	2.5	2.5	2.5	10.0	17.4	17.4
135°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	2.5	7.5	12.4	14.9
137.5°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	5.0	5.0
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0
145°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	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	5.0	5.0
155°	7.5	7.5	7.5	5.0	2.5	0.0	0.0	0.0	2.5	2.5	5.0
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	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)