

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: P561014

Luminaire Tested: **SDL-PA1-80-722-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561014
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-PA1-80-722-U-SL3-A
Description: Springdale
(1) 70 CRI, 2200K, 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: 6382.6 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

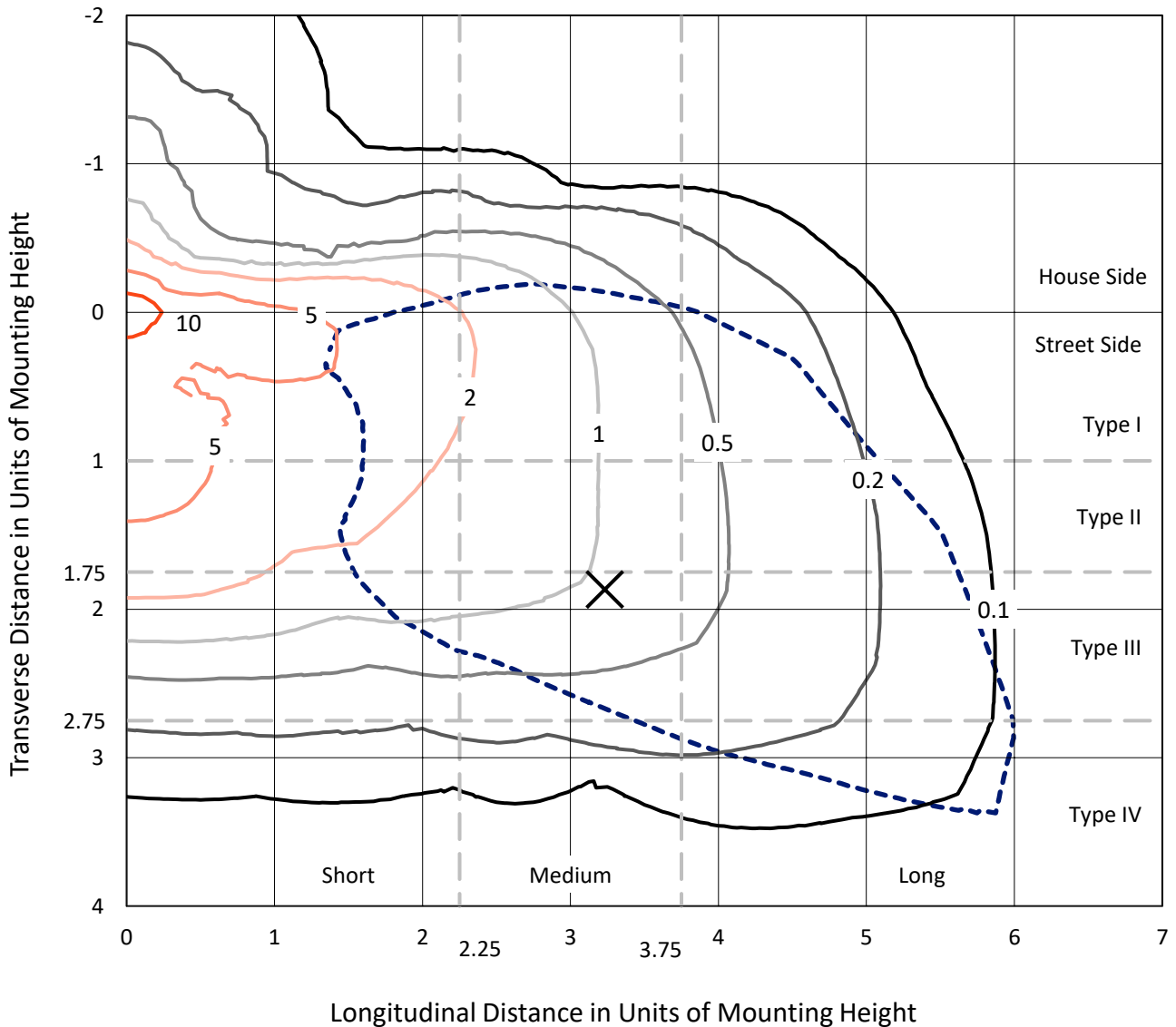
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

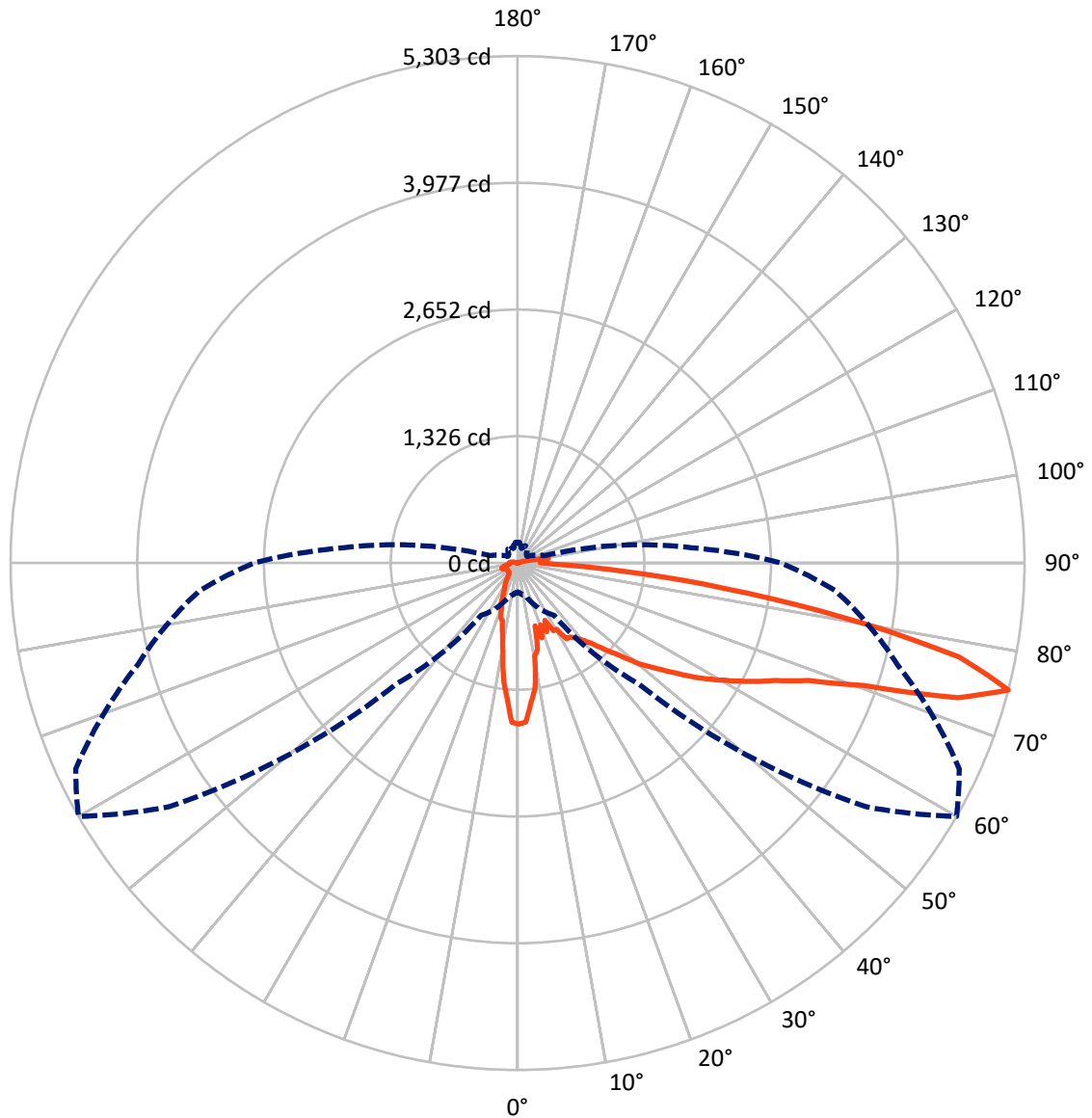
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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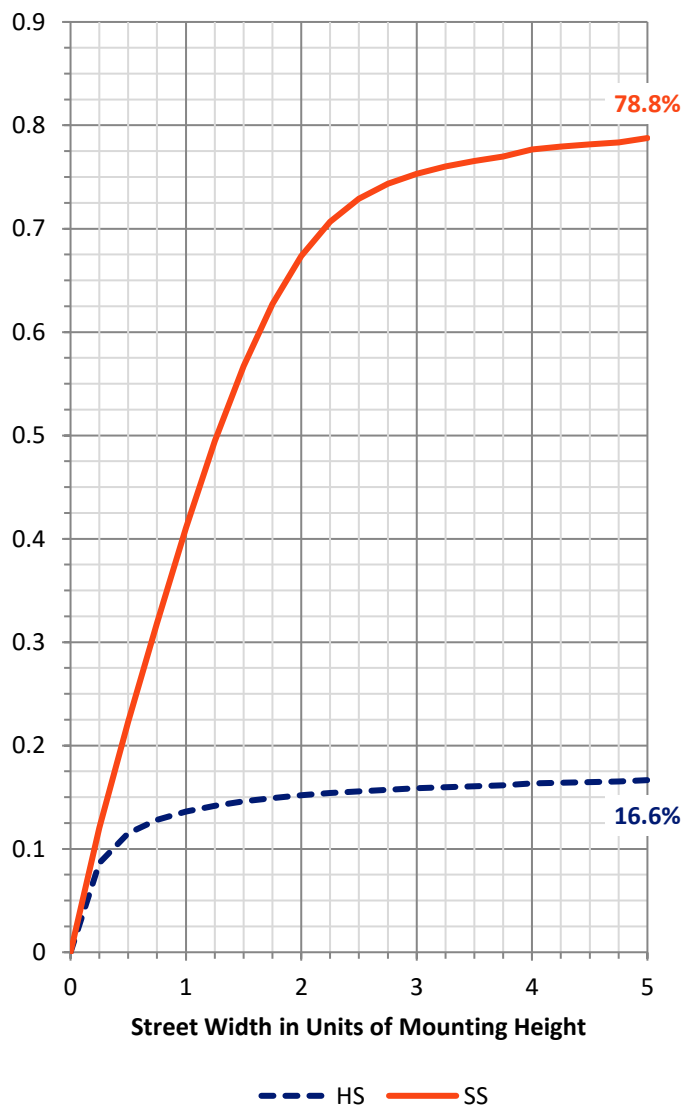
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1120.5	85.0	1205.5
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	5087.3	89.9	5177.2
	% Fixture	79.7	1.4	81.1
Total	Lumens	6207.8	174.8	6382.6
	% 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°	286.1	4.5
30°-40°	476.7	7.5
40°-50°	763.3	12.0
50°-60°	1171.8	18.4
60°-70°	1464.2	22.9
70°-80°	1335.5	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°	6207.8	97.3
0°-180°	6382.6	100.0

Coefficient of Utilization



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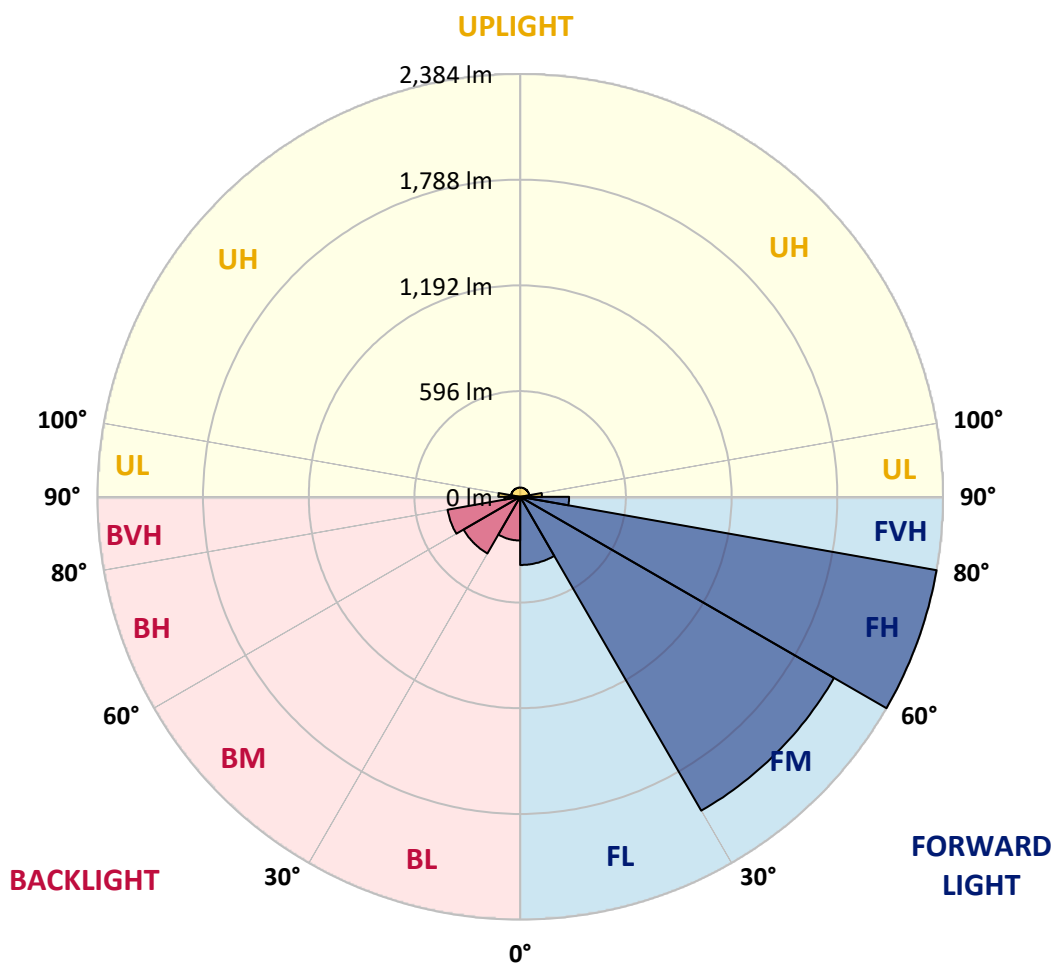
CATALOG NUMBER: SDL-PA1-80-722-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.5	6.0			
FM (30°-60°)	2043.1	32.0			
FH (60°-80°)	2384.0	37.4			G2/5000
FVH (80°-90°)	275.8	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°	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6
2.5°	1414.2	1546.1	1533.7	1635.8	1635.8	1658.2	1668.1	1665.6	1675.6	1685.6	1683.1
5°	1302.1	1304.6	1314.6	1337.0	1344.5	1351.9	1376.8	1464.0	1610.9	1645.7	1645.7
7.5°	1075.6	1135.3	1210.0	1222.5	1267.3	1289.7	1317.1	1322.1	1222.5	1401.7	1419.2
10°	1090.5	1093.0	1088.0	1115.4	1083.0	1070.6	983.4	988.4	998.4	1065.6	1200.1
12.5°	854.0	903.8	1010.8	1060.6	981.0	893.8	888.8	931.2	948.6	849.0	1058.1
15°	976.0	981.0	983.4	985.9	732.0	849.0	741.9	682.2	764.4	963.5	1095.5
17.5°	764.4	769.3	886.3	883.9	806.7	652.3	806.7	824.1	791.7	819.1	916.2
20°	896.3	898.8	891.3	692.1	707.1	799.2	694.6	692.1	732.0	943.6	1065.6
22.5°	737.0	727.0	724.5	791.7	719.5	769.3	674.7	781.8	849.0	841.5	804.2
25°	923.7	921.2	883.9	689.7	737.0	652.3	789.2	662.3	734.5	1018.3	1065.6
27.5°	863.9	829.1	766.8	796.7	687.2	764.4	702.1	801.7	846.5	1045.7	1234.9
30°	1117.9	1093.0	1020.8	804.2	759.4	704.6	751.9	804.2	963.5	1346.9	1411.7
32.5°	1476.4	1449.0	1190.1	985.9	796.7	834.1	791.7	943.6	1063.1	1374.3	1424.1
35°	1586.0	1548.6	1421.6	1195.1	913.7	886.3	844.0	951.1	1078.1	1446.5	1446.5
37.5°	1648.2	1645.7	1586.0	1319.6	1030.8	1015.8	908.8	998.4	1137.8	1516.3	1501.3
40°	1658.2	1670.6	1698.0	1429.1	1170.2	1137.8	993.4	1063.1	1222.5	1600.9	1571.0
42.5°	1740.3	1762.7	1825.0	1573.5	1309.6	1279.7	1093.0	1157.7	1314.6	1725.4	1717.9
45°	1872.3	1894.7	1949.5	1732.9	1431.6	1411.7	1254.8	1294.7	1464.0	1944.5	1874.8
47.5°	2146.2	2151.1	2128.7	1864.8	1563.6	1563.6	1411.7	1449.0	1598.4	2146.2	2078.9
50°	2420.0	2390.2	2290.6	2021.7	1695.5	1732.9	1573.5	1660.7	1750.3	2350.3	2258.2
52.5°	2571.9	2566.9	2432.5	2141.2	1810.0	1882.2	1760.2	1834.9	1889.7	2557.0	2427.5
55°	2576.9	2569.4	2477.3	2198.4	1917.1	2036.6	1947.0	2044.1	2083.9	2718.8	2659.0
57.5°	2494.7	2514.6	2467.3	2230.8	1969.4	2186.0	2173.5	2278.1	2298.0	2910.5	2818.4
60°	2365.3	2362.8	2420.0	2260.7	2049.1	2327.9	2382.7	2489.7	2596.8	3057.4	2960.3
62.5°	2041.6	2064.0	2225.8	2260.7	2136.2	2512.1	2616.7	2728.8	2860.7	3191.8	3087.3
65°	1598.4	1610.9	1864.8	2096.4	2161.1	2758.6	2853.2	2965.3	3104.7	3328.8	3229.2
67.5°	966.0	1048.2	1267.3	1725.4	2034.1	3054.9	3229.2	3276.5	3356.2	3483.1	3438.3
70°	550.2	575.1	679.7	1085.5	1698.0	3149.5	3921.3	3836.7	3754.5	3784.4	3699.8
72.5°	418.3	433.2	480.5	642.4	1015.8	2781.0	4503.9	4817.6	4464.1	4098.1	3692.3
75°	303.7	318.7	366.0	517.9	667.3	1782.7	4444.2	5303.1	5099.0	4113.1	3338.7
77.5°	189.2	191.7	219.1	440.7	600.0	893.8	3478.2	4723.0	4812.7	3841.7	2768.6
80°	132.0	134.4	139.4	236.5	552.7	717.0	2335.4	3468.2	3595.2	2674.0	1411.7
82.5°	94.6	99.6	104.6	139.4	358.5	684.7	1454.0	2183.5	1924.6	968.5	572.6
85°	49.8	54.8	67.2	84.7	144.4	744.4	871.4	1110.4	878.9	393.4	341.1
87.5°	19.9	17.4	14.9	22.4	39.8	286.3	338.6	373.5	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	298.8	214.1	234.0	303.7
97.5°	17.4	17.4	7.5	10.0	17.4	62.2	313.7	323.7	209.1	166.8	251.5
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°	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6	1685.6
2.5°	1675.6	1680.6	1675.6	1670.6	1665.6	1650.7	1548.6	1424.1	1414.2	1424.1	1419.2
5°	1633.3	1633.3	1630.8	1459.0	1356.9	1327.0	1319.6	1312.1	1297.2	1289.7	1294.7
7.5°	1409.2	1401.7	1314.6	1160.2	1257.3	1222.5	1202.5	1192.6	1043.2	988.4	993.4
10°	1177.6	1177.6	978.5	923.7	918.7	933.7	1035.7	1028.3	1008.3	995.9	1008.3
12.5°	1015.8	1058.1	776.8	831.6	674.7	746.9	816.6	866.4	714.6	672.2	679.7
15°	1078.1	1063.1	854.0	652.3	595.0	627.4	502.9	629.9	619.9	600.0	597.5
17.5°	941.1	863.9	712.1	612.5	587.6	443.2	430.7	445.7	408.3	373.5	390.9
20°	1023.3	981.0	754.4	545.3	453.1	403.3	303.7	283.8	361.0	378.4	376.0
22.5°	854.0	712.1	617.5	542.8	366.0	288.8	229.1	251.5	268.9	286.3	293.8
25°	1003.4	926.2	674.7	405.8	296.3	211.6	206.6	186.7	281.3	321.2	318.7
27.5°	1157.7	1048.2	649.8	380.9	214.1	181.8	166.8	189.2	196.7	221.6	236.5
30°	1294.7	1162.7	751.9	353.5	179.3	136.9	149.4	154.4	191.7	206.6	206.6
32.5°	1289.7	1130.3	672.2	301.3	146.9	124.5	124.5	146.9	169.3	204.2	206.6
35°	1287.2	1105.4	600.0	234.0	129.5	109.5	114.5	139.4	169.3	189.2	191.7
37.5°	1317.1	1098.0	527.8	189.2	117.0	104.6	109.5	132.0	181.8	201.7	201.7
40°	1361.9	1103.0	455.6	161.8	112.0	102.1	104.6	139.4	164.3	181.8	181.8
42.5°	1498.8	1175.2	393.4	149.4	112.0	99.6	99.6	129.5	166.8	196.7	199.2
45°	1600.9	1232.4	346.1	149.4	109.5	94.6	104.6	129.5	146.9	216.6	231.5
47.5°	1765.2	1337.0	301.3	149.4	109.5	92.1	97.1	127.0	154.4	249.0	258.9
50°	1929.5	1441.6	281.3	149.4	109.5	89.6	109.5	122.0	154.4	258.9	266.4
52.5°	2103.8	1571.0	268.9	149.4	109.5	94.6	119.5	146.9	166.8	231.5	229.1
55°	2283.1	1685.6	261.4	154.4	109.5	94.6	129.5	136.9	141.9	179.3	184.2
57.5°	2449.9	1825.0	276.4	154.4	107.1	99.6	122.0	134.4	124.5	156.9	159.3
60°	2581.9	1952.0	313.7	149.4	104.6	99.6	124.5	146.9	139.4	171.8	176.8
62.5°	2733.7	2086.4	400.8	151.9	104.6	102.1	139.4	159.3	141.9	169.3	179.3
65°	2932.9	2290.6	497.9	166.8	107.1	107.1	141.9	171.8	141.9	166.8	166.8
67.5°	3157.0	2479.8	497.9	194.2	114.5	114.5	141.9	181.8	151.9	166.8	166.8
70°	3321.3	2489.7	410.8	214.1	124.5	122.0	146.9	189.2	154.4	184.2	181.8
72.5°	3139.6	2218.4	341.1	211.6	134.4	127.0	166.8	194.2	156.9	209.1	206.6
75°	2756.1	1830.0	296.3	189.2	122.0	129.5	174.3	199.2	159.3	219.1	214.1
77.5°	2173.5	1334.5	251.5	159.3	107.1	124.5	179.3	204.2	164.3	231.5	229.1
80°	1053.2	669.7	204.2	134.4	97.1	119.5	179.3	201.7	161.8	239.0	239.0
82.5°	475.5	333.6	139.4	92.1	97.1	122.0	184.2	204.2	161.8	234.0	231.5
85°	308.7	229.1	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	179.3	149.4	204.2	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	156.9
95°	278.9	209.1	67.2	57.3	102.1	102.1	139.4	129.5	114.5	122.0	122.0
97.5°	204.2	149.4	59.8	62.2	77.2	64.7	92.1	87.1	59.8	54.8	52.3
100°	59.8	49.8	54.8	59.8	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)