

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: P560799

Luminaire Tested: **SDL-PA1-60-827-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560799
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-PA1-60-827-U-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 800mA 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: 4189.2 lumens
Efficiency: N/A
Efficacy: 67.1 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

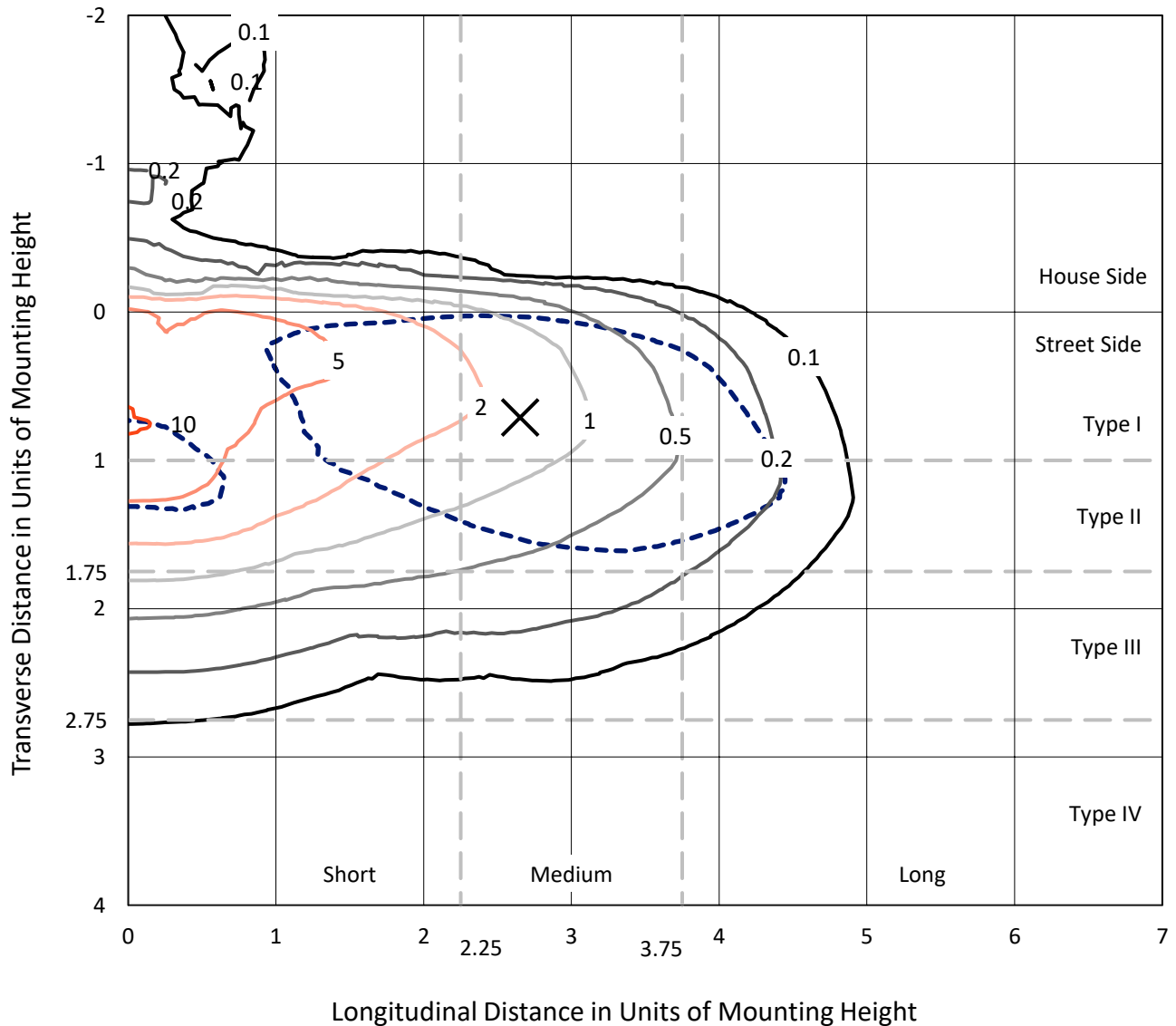
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

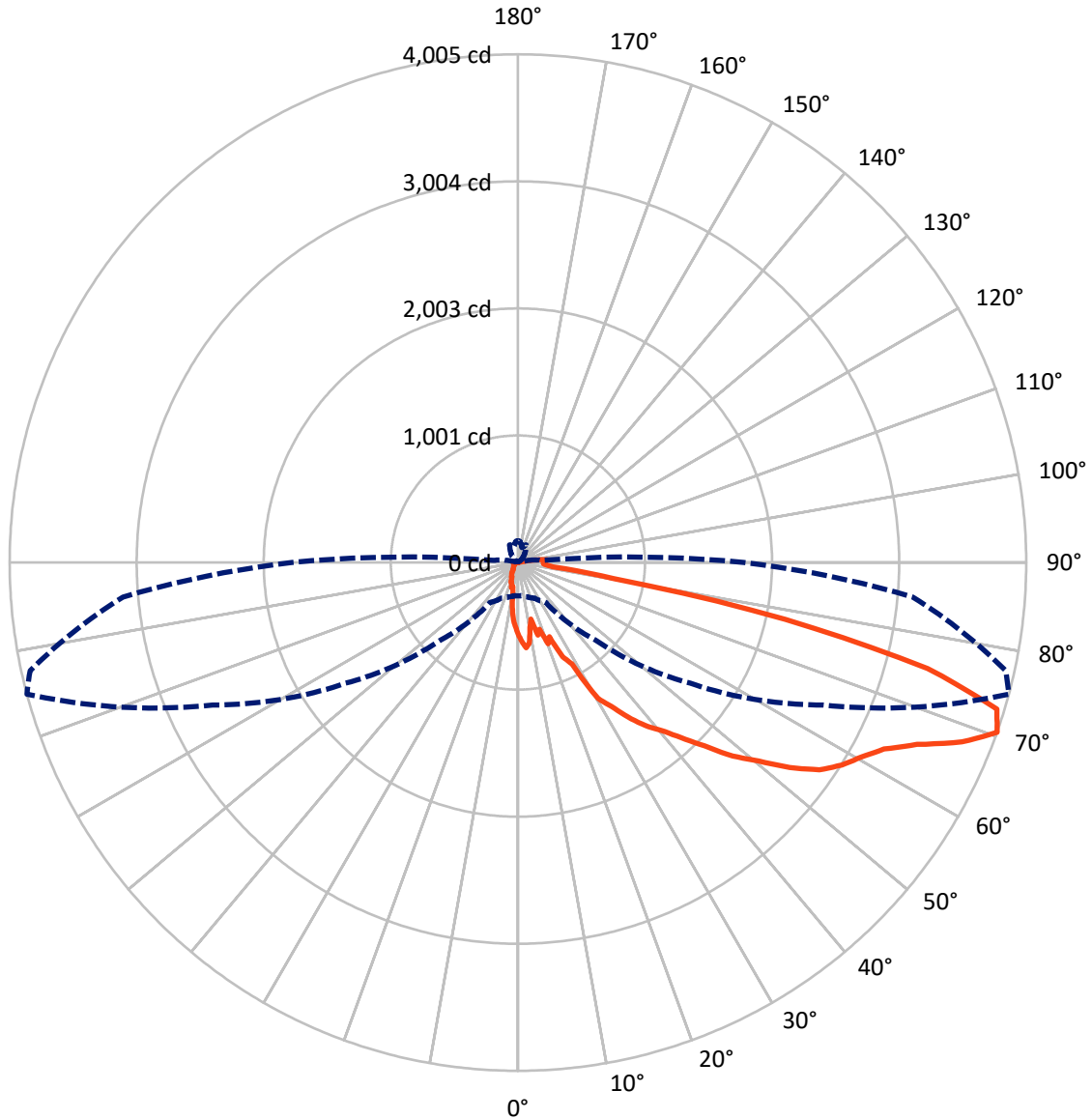
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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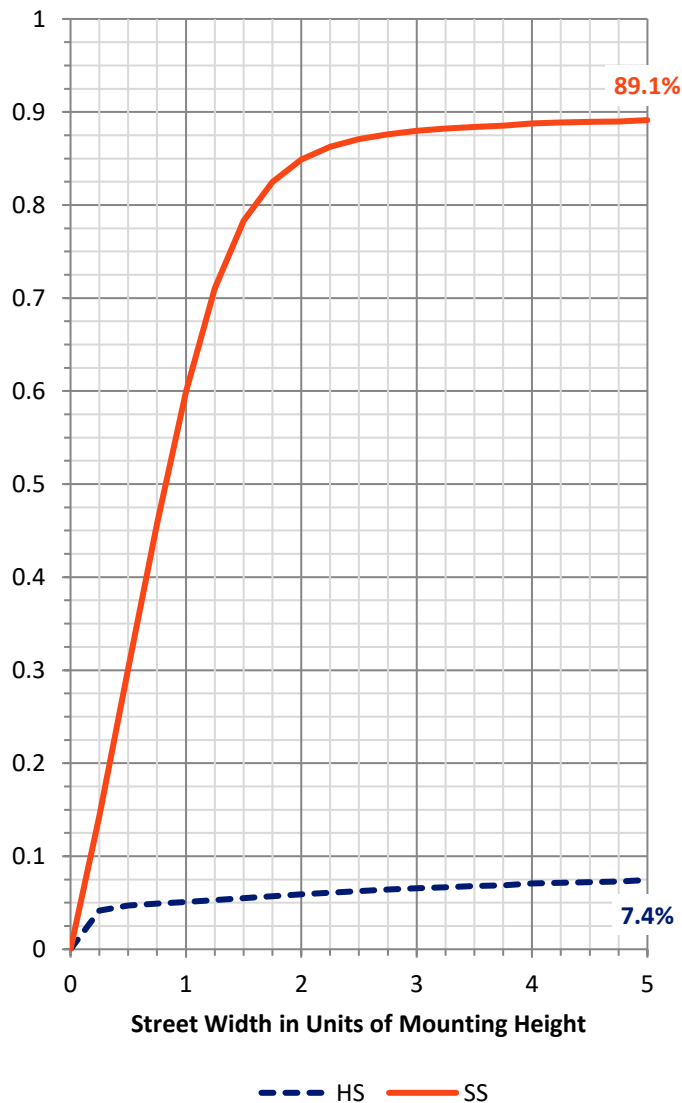
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	341.4	42.4	383.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	3752.0	53.4	3805.4
	% Fixture	89.6	1.3	90.8
Total	Lumens	4093.4	95.8	4189.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	1.1
10°-20°	110.5	2.6
20°-30°	207.3	4.9
30°-40°	465.2	11.1
40°-50°	765.7	18.3
50°-60°	938.6	22.4
60°-70°	879.0	21.0
70°-80°	572.5	13.7
80°-90°	109.4	2.6
90°-100°	62.7	1.5
100°-110°	14.1	0.3
110°-120°	7.2	0.2
120°-130°	6.0	0.1
130°-140°	2.9	0.1
140°-150°	1.5	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4093.4	97.7
0°-180°	4189.2	100.0

Coefficient of Utilization



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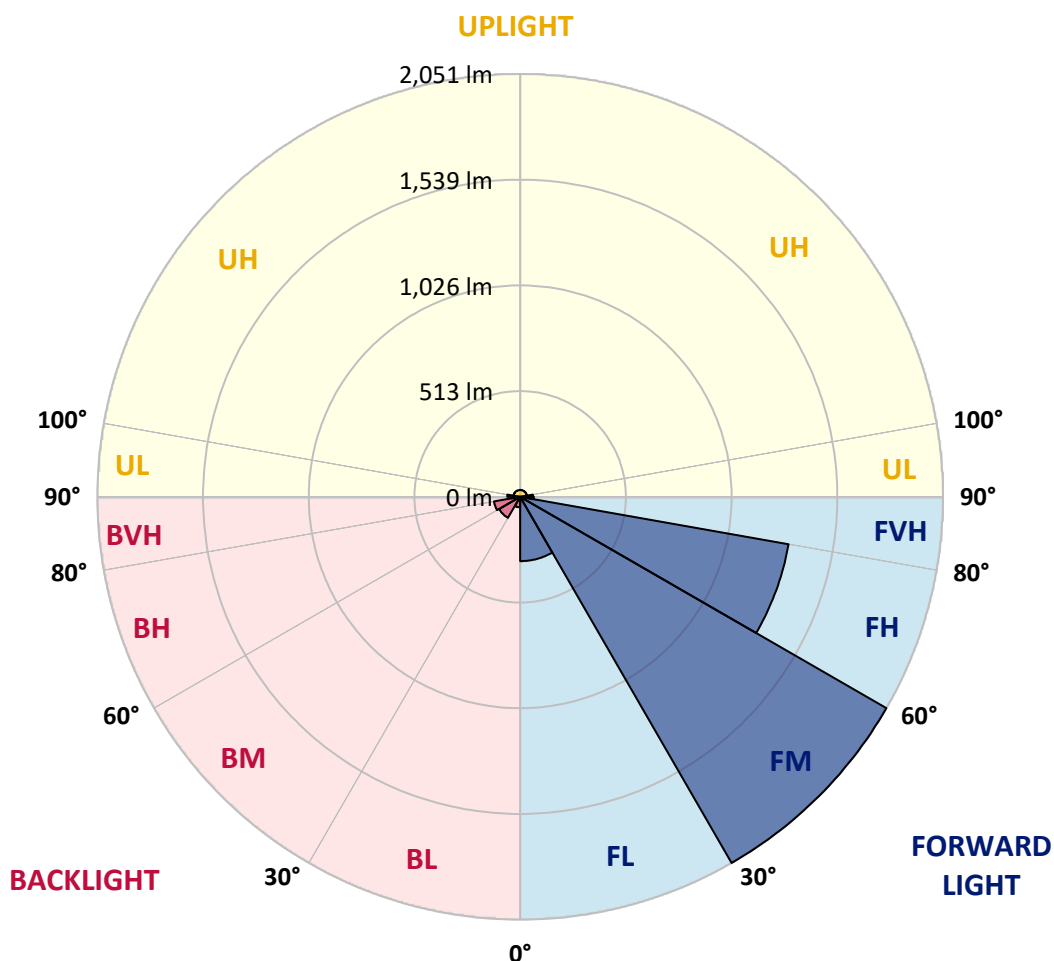
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.1	7.4			
FM	(30°-60°)	2051.5	49.0			
FH	(60°-80°)	1322.2	31.6			G1/1800
FVH	(80°-90°)	66.2	1.6			G1/100
BL	(0°-30°)	51.0	1.2	B0/110		
BM	(30°-60°)	118.0	2.8	B0/220		
BH	(60°-80°)	129.3	3.1	B1/500		G1/500
BVH	(80°-90°)	43.2	1.0			G1/100
UL	(90°-100°)	62.7	1.5		U3/500	
UH	(100°-180°)	33.0	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°	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9
2.5°	635.9	675.9	687.9	707.9	717.9	705.9	683.9	655.9	625.9	617.9	591.9
5°	721.9	713.9	707.9	707.9	695.9	669.9	645.9	719.9	673.9	663.9	611.9
7.5°	655.9	717.9	763.9	767.9	761.9	741.9	707.9	631.9	641.9	629.9	565.9
10°	793.9	795.9	787.9	793.9	737.9	709.9	599.9	553.9	517.9	565.9	507.9
12.5°	657.9	755.9	811.9	831.9	761.9	669.9	613.9	589.9	457.9	445.9	459.9
15°	803.9	807.9	813.9	793.9	617.9	701.9	569.9	525.9	593.9	577.9	567.9
17.5°	635.9	643.9	779.9	771.9	715.9	555.9	677.9	603.9	551.9	531.9	517.9
20°	809.9	811.9	809.9	613.9	667.9	747.9	637.9	617.9	683.9	675.9	639.9
22.5°	679.9	679.9	725.9	787.9	701.9	749.9	649.9	769.9	635.9	631.9	475.9
25°	939.8	939.8	907.8	695.9	795.9	705.9	771.9	691.9	821.9	793.9	713.9
27.5°	913.8	885.8	835.9	877.8	769.9	883.8	747.9	843.9	905.8	931.8	889.8
30°	1269.8	1269.8	1215.8	939.8	901.8	853.9	863.8	1009.8	1241.8	1245.8	1075.8
32.5°	1719.7	1687.7	1401.8	1211.8	985.8	1071.8	975.8	1187.8	1349.8	1343.8	1143.8
35°	1903.7	1893.7	1805.7	1487.7	1141.8	1173.8	1099.8	1255.8	1495.7	1455.7	1225.8
37.5°	2091.6	2075.6	1985.7	1643.7	1305.8	1347.8	1191.8	1355.8	1629.7	1571.7	1315.8
40°	2207.6	2209.6	2145.6	1767.7	1435.8	1457.7	1301.8	1477.7	1737.7	1749.7	1393.8
42.5°	2329.6	2327.6	2275.6	1913.7	1543.7	1571.7	1389.8	1593.7	1883.7	1897.7	1525.7
45°	2395.6	2391.6	2361.6	2013.6	1629.7	1649.7	1525.7	1735.7	2061.6	2057.6	1633.7
47.5°	2411.6	2417.6	2415.6	2111.6	1719.7	1727.7	1647.7	1839.7	2277.6	2233.6	1775.7
50°	2321.6	2325.6	2353.6	2189.6	1785.7	1793.7	1743.7	1957.7	2459.6	2407.6	1903.7
52.5°	2071.6	2095.6	2213.6	2141.6	1813.7	1843.7	1833.7	2047.6	2681.5	2617.5	2061.6
55°	1539.7	1595.7	1865.7	1961.7	1799.7	1845.7	1913.7	2211.6	2883.5	2805.5	2189.6
57.5°	1227.8	1237.8	1397.8	1661.7	1685.7	1835.7	1997.7	2311.6	3009.5	2931.5	2281.6
60°	969.8	985.8	1089.8	1301.8	1471.7	1775.7	2021.6	2413.6	3109.5	3043.5	2383.6
62.5°	751.9	749.9	829.9	971.8	1185.8	1649.7	1989.7	2475.6	3237.4	3187.4	2565.6
65°	523.9	523.9	591.9	705.9	897.8	1423.8	1925.7	2563.6	3455.4	3441.4	2791.5
67.5°	357.9	365.9	411.9	467.9	615.9	1157.8	1829.7	2653.5	3773.3	3707.4	3009.5
70°	262.0	262.0	280.0	309.9	383.9	863.8	1657.7	2655.5	4005.3	3937.3	3123.5
72.5°	194.0	194.0	208.0	222.0	242.0	573.9	1359.8	2487.6	3945.3	3837.3	2891.5
75°	102.0	102.0	158.0	164.0	162.0	371.9	1003.8	2043.6	3335.4	3155.5	2263.6
77.5°	80.0	82.0	90.0	128.0	118.0	244.0	559.9	1257.8	2155.6	1935.7	1225.8
80°	58.0	56.0	70.0	82.0	70.0	142.0	264.0	551.9	763.9	661.9	403.9
82.5°	34.0	36.0	42.0	60.0	60.0	100.0	172.0	242.0	274.0	272.0	242.0
85°	4.0	6.0	22.0	40.0	36.0	58.0	144.0	168.0	216.0	220.0	216.0
87.5°	4.0	4.0	6.0	8.0	10.0	38.0	122.0	146.0	200.0	214.0	216.0
90°	8.0	6.0	4.0	4.0	6.0	30.0	114.0	150.0	212.0	216.0	226.0
92.5°	10.0	8.0	4.0	2.0	6.0	24.0	108.0	150.0	220.0	234.0	244.0
95°	14.0	12.0	4.0	2.0	6.0	20.0	92.0	142.0	230.0	254.0	264.0
97.5°	18.0	16.0	4.0	4.0	6.0	16.0	72.0	112.0	152.0	172.0	186.0
100°	20.0	20.0	4.0	4.0	6.0	10.0	36.0	62.0	48.0	46.0	52.0
102.5°	22.0	22.0	4.0	4.0	4.0	6.0	12.0	26.0	10.0	10.0	16.0
105°	22.0	22.0	4.0	4.0	4.0	4.0	4.0	10.0	8.0	10.0	18.0
107.5°	20.0	22.0	4.0	6.0	6.0	4.0	4.0	4.0	8.0	12.0	18.0
110°	18.0	18.0	4.0	6.0	6.0	4.0	2.0	4.0	8.0	12.0	20.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	14.0	10.0	2.0	6.0	4.0	4.0	2.0	4.0	10.0	14.0	20.0
115°	6.0	4.0	2.0	4.0	4.0	4.0	2.0	4.0	10.0	16.0	20.0
117.5°	4.0	2.0	2.0	2.0	2.0	4.0	2.0	6.0	14.0	18.0	24.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0	18.0	20.0	28.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	18.0	20.0	28.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	14.0	18.0	24.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	10.0	14.0	20.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	10.0	12.0	16.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0	8.0	12.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	8.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
150°	4.0	6.0	10.0	8.0	4.0	2.0	4.0	2.0	2.0	2.0	2.0
152.5°	10.0	10.0	8.0	8.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0
155°	8.0	8.0	6.0	2.0	2.0	2.0	2.0	4.0	6.0	8.0	6.0
157.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9
2.5°	571.9	551.9	507.9	473.9	437.9	417.9	379.9	347.9	323.9	319.9	319.9
5°	571.9	531.9	453.9	369.9	291.9	252.0	230.0	216.0	206.0	202.0	200.0
7.5°	511.9	459.9	355.9	258.0	224.0	188.0	162.0	142.0	124.0	118.0	112.0
10°	447.9	383.9	242.0	178.0	142.0	118.0	106.0	100.0	94.0	92.0	92.0
12.5°	397.9	331.9	194.0	146.0	100.0	84.0	80.0	76.0	74.0	72.0	70.0
15°	485.9	397.9	202.0	100.0	70.0	60.0	56.0	58.0	62.0	62.0	62.0
17.5°	449.9	349.9	168.0	76.0	58.0	44.0	48.0	52.0	56.0	50.0	48.0
20°	537.9	411.9	164.0	60.0	48.0	44.0	42.0	36.0	46.0	46.0	46.0
22.5°	389.9	311.9	124.0	56.0	40.0	38.0	32.0	36.0	38.0	32.0	32.0
25°	577.9	405.9	122.0	44.0	40.0	30.0	32.0	26.0	32.0	32.0	32.0
27.5°	715.9	479.9	108.0	46.0	34.0	30.0	24.0	26.0	24.0	24.0	24.0
30°	851.9	539.9	98.0	46.0	32.0	24.0	22.0	20.0	24.0	24.0	24.0
32.5°	891.8	525.9	78.0	48.0	30.0	22.0	18.0	20.0	20.0	22.0	22.0
35°	937.8	513.9	66.0	42.0	28.0	20.0	16.0	18.0	20.0	22.0	22.0
37.5°	981.8	493.9	60.0	38.0	24.0	18.0	14.0	16.0	42.0	46.0	46.0
40°	1037.8	469.9	56.0	34.0	20.0	14.0	12.0	32.0	38.0	44.0	44.0
42.5°	1117.8	455.9	52.0	32.0	18.0	12.0	12.0	28.0	54.0	60.0	60.0
45°	1183.8	431.9	50.0	28.0	16.0	10.0	20.0	38.0	44.0	56.0	54.0
47.5°	1265.8	409.9	48.0	26.0	14.0	10.0	22.0	40.0	56.0	64.0	64.0
50°	1353.8	397.9	46.0	24.0	14.0	10.0	38.0	38.0	46.0	72.0	72.0
52.5°	1465.7	389.9	42.0	20.0	12.0	20.0	52.0	46.0	56.0	74.0	74.0
55°	1519.7	363.9	40.0	18.0	10.0	20.0	56.0	52.0	58.0	78.0	78.0
57.5°	1567.7	337.9	36.0	18.0	10.0	26.0	60.0	66.0	56.0	68.0	76.0
60°	1611.7	311.9	32.0	16.0	10.0	32.0	66.0	92.0	78.0	92.0	92.0
62.5°	1713.7	291.9	28.0	18.0	8.0	36.0	86.0	112.0	88.0	112.0	110.0
65°	1809.7	268.0	26.0	16.0	10.0	42.0	94.0	130.0	96.0	130.0	130.0
67.5°	1847.7	238.0	24.0	16.0	10.0	48.0	94.0	144.0	114.0	146.0	148.0
70°	1781.7	196.0	22.0	18.0	12.0	54.0	98.0	154.0	122.0	170.0	170.0
72.5°	1513.7	134.0	22.0	20.0	24.0	60.0	116.0	160.0	128.0	204.0	206.0
75°	1129.8	76.0	24.0	22.0	26.0	68.0	128.0	166.0	134.0	206.0	206.0
77.5°	643.9	52.0	24.0	26.0	32.0	68.0	134.0	172.0	132.0	202.0	198.0
80°	224.0	38.0	24.0	30.0	40.0	68.0	136.0	170.0	128.0	188.0	188.0
82.5°	152.0	32.0	24.0	30.0	48.0	72.0	134.0	160.0	114.0	158.0	152.0
85°	142.0	26.0	26.0	32.0	52.0	72.0	122.0	138.0	96.0	118.0	116.0
87.5°	140.0	24.0	30.0	34.0	56.0	66.0	104.0	114.0	78.0	96.0	94.0
90°	146.0	24.0	32.0	36.0	52.0	54.0	84.0	96.0	64.0	76.0	74.0
92.5°	156.0	24.0	34.0	40.0	46.0	40.0	68.0	76.0	54.0	58.0	56.0
95°	166.0	24.0	38.0	42.0	38.0	30.0	52.0	62.0	44.0	42.0	42.0
97.5°	110.0	18.0	40.0	42.0	32.0	22.0	40.0	48.0	26.0	22.0	22.0
100°	36.0	14.0	42.0	44.0	30.0	16.0	34.0	36.0	20.0	10.0	10.0
102.5°	16.0	14.0	38.0	38.0	26.0	12.0	24.0	26.0	14.0	4.0	4.0
105°	14.0	8.0	22.0	28.0	18.0	6.0	12.0	14.0	8.0	4.0	4.0
107.5°	16.0	8.0	12.0	16.0	8.0	6.0	6.0	6.0	4.0	4.0	4.0
110°	16.0	8.0	6.0	10.0	8.0	6.0	4.0	4.0	4.0	6.0	6.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.0	8.0	6.0	8.0	6.0	6.0	4.0	4.0	8.0	14.0	14.0
115°	18.0	8.0	6.0	8.0	6.0	6.0	4.0	2.0	8.0	20.0	22.0
117.5°	20.0	10.0	4.0	6.0	4.0	4.0	4.0	2.0	10.0	26.0	26.0
120°	24.0	10.0	4.0	4.0	4.0	2.0	4.0	4.0	10.0	28.0	28.0
122.5°	24.0	12.0	4.0	4.0	4.0	2.0	2.0	4.0	12.0	26.0	28.0
125°	20.0	10.0	4.0	4.0	4.0	2.0	2.0	4.0	12.0	24.0	28.0
127.5°	16.0	10.0	4.0	4.0	4.0	2.0	2.0	4.0	12.0	20.0	22.0
130°	14.0	8.0	4.0	4.0	4.0	2.0	2.0	4.0	10.0	16.0	18.0
132.5°	10.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	10.0	16.0	16.0
135°	8.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	8.0	12.0	12.0
137.5°	4.0	2.0	4.0	4.0	4.0	2.0	2.0	2.0	6.0	6.0	6.0
140°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0
142.5°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
155°	4.0	4.0	2.0	4.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
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)