

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: P560811

Luminaire Tested: **SDL-PA1-60-827-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560811
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-PA1-60-827-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 800mA 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: 3737.2 lumens
Efficiency: N/A
Efficacy: 59.9 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

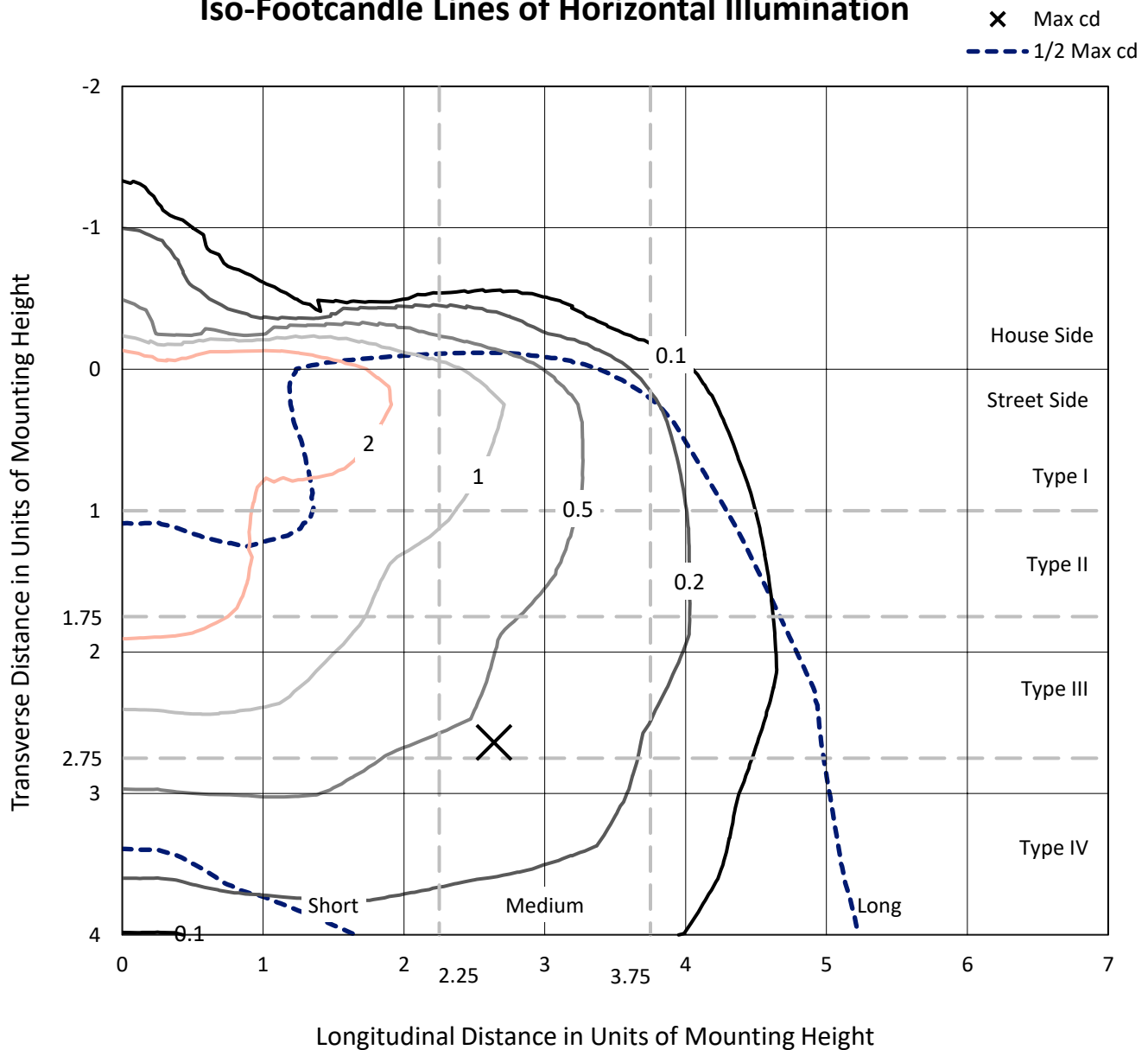
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

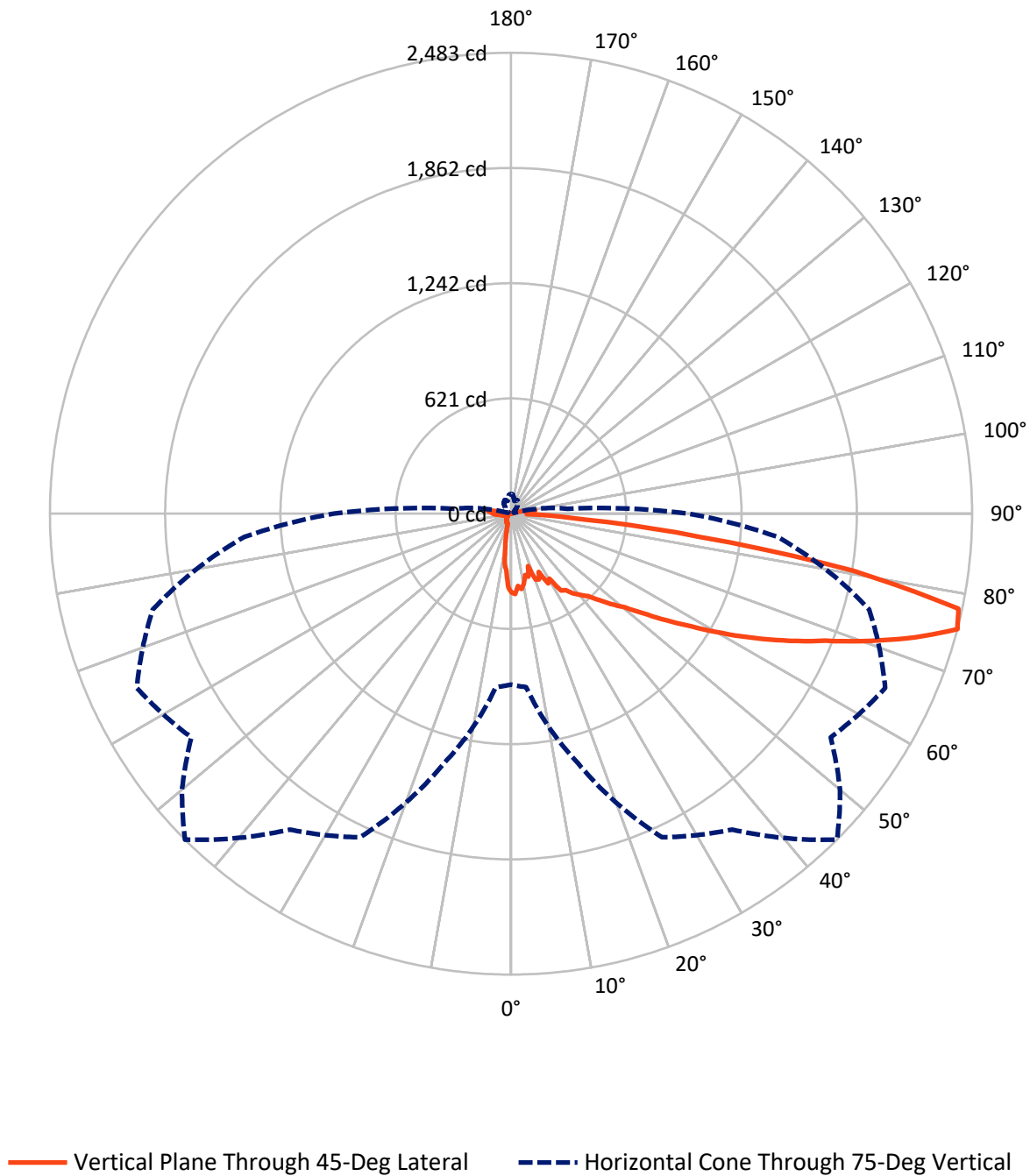


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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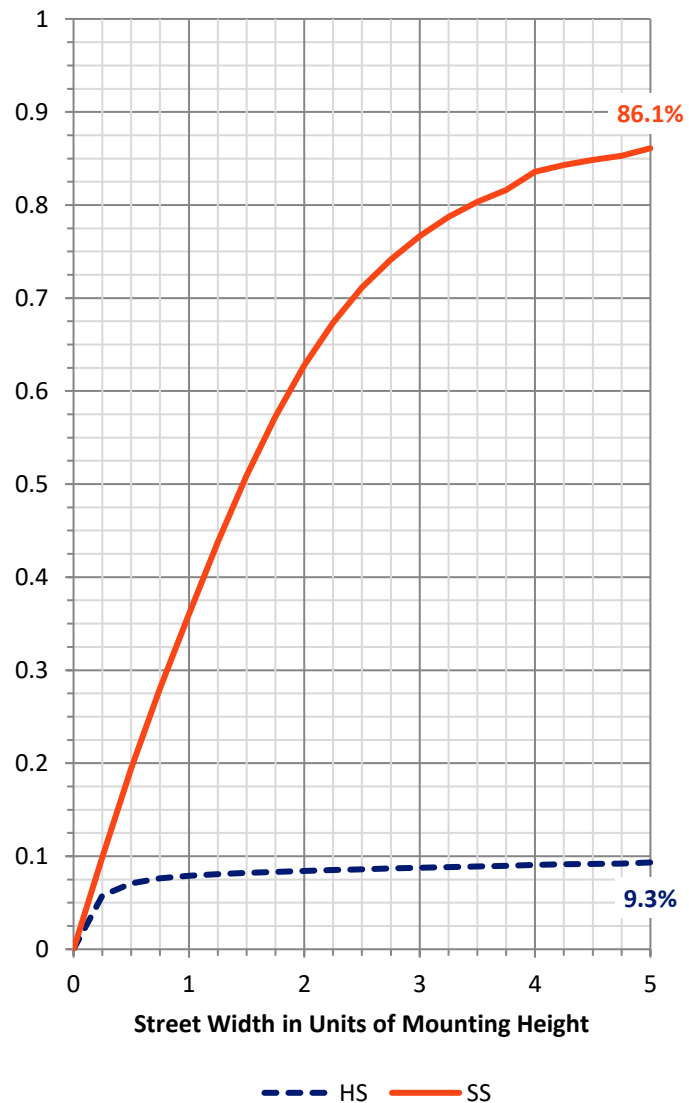
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	383.5	67.1	450.6
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	3234.8	51.9	3286.6
	% Fixture	86.6	1.4	87.9
Total	Lumens	3618.3	119.0	3737.2
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	0.9
10°-20°	71.5	1.9
20°-30°	120.0	3.2
30°-40°	222.4	6.0
40°-50°	374.9	10.0
50°-60°	672.8	18.0
60°-70°	1010.3	27.0
70°-80°	924.3	24.7
80°-90°	189.0	5.1
90°-100°	90.4	2.4
100°-110°	19.3	0.5
110°-120°	3.7	0.1
120°-130°	2.9	0.1
130°-140°	1.3	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3618.3	96.8
0°-180°	3737.2	100.0

Coefficient of Utilization



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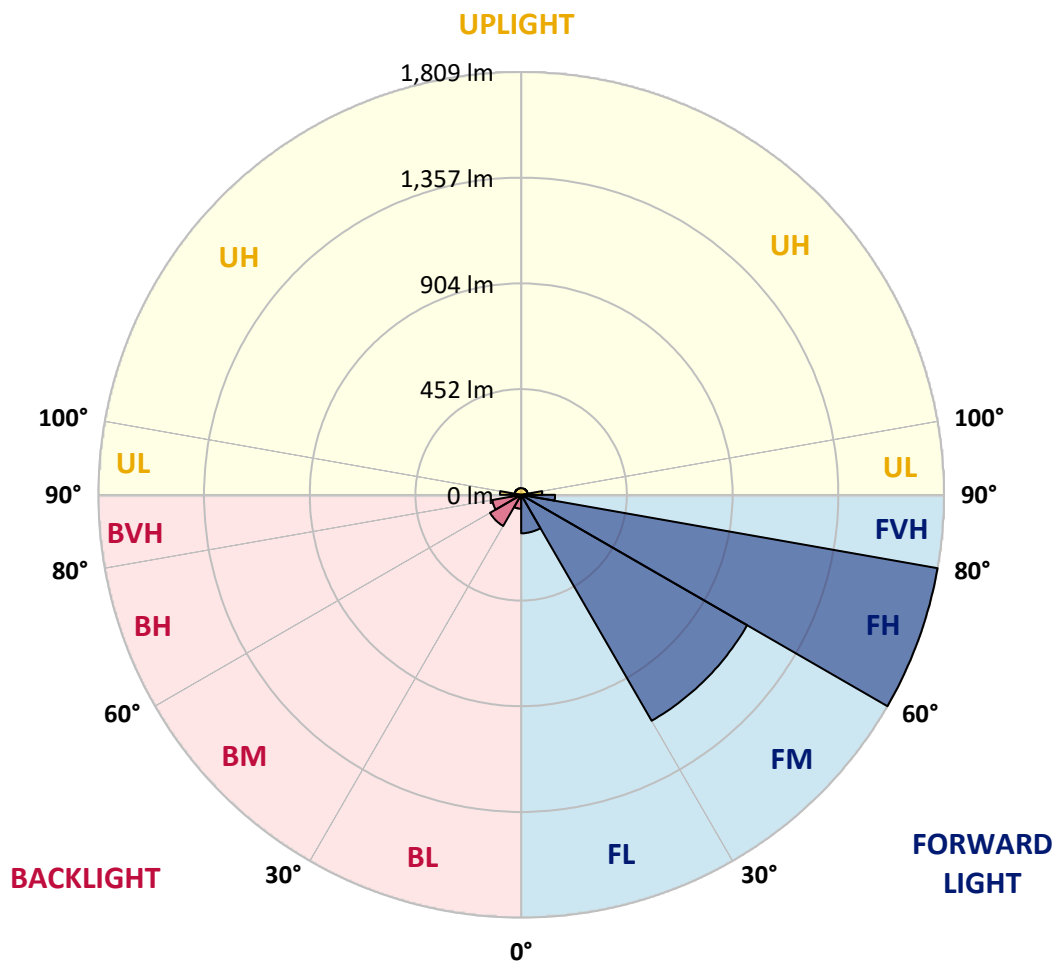
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.7	4.4			
FM	(30°-60°)	1116.3	29.9			
FH	(60°-80°)	1808.9	48.4			G2/5000
FVH	(80°-90°)	144.9	3.9			G2/225
BL	(0°-30°)	59.9	1.6	B0/110		
BM	(30°-60°)	153.9	4.1	B0/220		
BH	(60°-80°)	125.7	3.4	B1/500		G1/500
BVH	(80°-90°)	44.1	1.2			G1/100
UL	(90°-100°)	90.4	2.4		U3/500	
UH	(100°-180°)	28.5	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°	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8
2.5°	413.8	433.8	427.8	437.8	435.8	433.8	433.8	435.8	433.8	429.8	425.8
5°	421.8	415.8	411.8	409.8	401.8	391.8	387.8	383.8	425.8	425.8	417.8
7.5°	433.8	433.8	425.8	419.8	419.8	409.8	399.8	391.8	371.8	365.8	365.8
10°	461.8	457.8	451.8	439.8	379.8	381.8	359.8	315.9	295.9	303.9	315.9
12.5°	467.8	465.8	457.8	455.8	399.8	339.9	281.9	315.9	301.9	251.9	279.9
15°	501.8	497.8	481.8	453.8	341.9	351.9	327.9	281.9	269.9	307.9	329.9
17.5°	427.8	427.8	479.8	439.8	371.8	295.9	293.9	327.9	295.9	275.9	273.9
20°	525.8	525.8	503.8	359.8	381.8	377.8	303.9	343.9	289.9	327.9	349.9
22.5°	437.8	435.8	451.8	445.8	365.8	385.8	311.9	313.9	345.9	295.9	253.9
25°	533.8	533.8	521.8	387.8	415.8	347.9	355.9	375.8	307.9	373.8	377.8
27.5°	459.8	457.8	435.8	443.8	387.8	425.8	323.9	353.9	377.8	403.8	443.8
30°	561.8	565.8	555.8	421.8	431.8	405.8	385.8	409.8	457.8	537.8	563.8
32.5°	693.7	697.7	591.8	507.8	433.8	493.8	413.8	451.8	525.8	563.8	591.8
35°	771.7	741.7	695.7	567.8	467.8	505.8	475.8	481.8	547.8	607.7	627.7
37.5°	837.6	797.7	743.7	585.8	493.8	545.8	495.8	503.8	593.8	647.7	673.7
40°	859.6	835.7	805.7	625.7	525.8	575.8	519.8	537.8	637.7	699.7	739.7
42.5°	913.6	915.6	897.6	681.7	559.8	607.7	559.8	571.8	695.7	771.7	829.7
45°	1057.6	1061.6	1041.6	777.7	601.7	663.7	623.7	629.7	761.7	881.6	955.6
47.5°	1241.5	1227.5	1207.5	905.6	665.7	727.7	697.7	691.7	839.6	1025.6	1091.5
50°	1427.4	1401.4	1359.4	1081.5	775.7	793.7	773.7	769.7	933.6	1173.5	1245.5
52.5°	1621.3	1601.3	1513.4	1247.5	939.6	889.6	867.6	889.6	1055.6	1337.4	1403.4
55°	1723.3	1703.3	1647.3	1425.4	1097.5	1013.6	975.6	1015.6	1243.5	1491.4	1577.3
57.5°	1807.2	1801.2	1775.3	1611.3	1289.5	1145.5	1107.5	1145.5	1393.4	1635.3	1737.3
60°	1927.2	1903.2	1927.2	1791.3	1475.4	1307.5	1255.5	1295.5	1577.3	1761.3	1913.2
62.5°	2013.2	2007.2	2055.1	1993.2	1631.3	1477.4	1401.4	1439.4	1739.3	1895.2	2087.1
65°	1921.2	1951.2	2143.1	2125.1	1807.2	1651.3	1571.3	1559.3	1871.2	2039.1	2273.0
67.5°	1757.3	1777.3	2057.1	2193.1	1961.2	1827.2	1731.3	1675.3	1993.2	2169.1	2421.0
70°	1601.3	1625.3	1881.2	2197.1	2035.1	2053.1	1919.2	1815.2	2115.1	2315.0	2453.0
72.5°	1477.4	1499.4	1729.3	2149.1	2061.1	2279.0	2125.1	1963.2	2233.1	2319.0	2143.1
75°	921.6	937.6	1391.4	1923.2	2077.1	2483.0	2313.0	2101.1	2223.1	1997.2	1441.4
77.5°	283.9	289.9	595.8	1269.5	1805.2	2463.0	2281.0	1975.2	1863.2	1267.5	657.7
80°	98.0	100.0	153.9	451.8	1079.5	1869.2	1739.3	1453.4	1113.5	467.8	247.9
82.5°	46.0	50.0	72.0	151.9	439.8	1021.6	1027.6	863.6	467.8	207.9	167.9
85°	16.0	16.0	30.0	66.0	169.9	393.8	373.8	347.9	245.9	187.9	155.9
87.5°	6.0	6.0	10.0	18.0	42.0	84.0	106.0	129.9	129.9	131.9	157.9
90°	6.0	6.0	4.0	4.0	30.0	88.0	106.0	118.0	108.0	119.9	171.9
92.5°	6.0	6.0	4.0	4.0	32.0	102.0	118.0	127.9	114.0	127.9	189.9
95°	6.0	6.0	4.0	4.0	36.0	123.9	137.9	135.9	114.0	133.9	203.9
97.5°	8.0	8.0	4.0	2.0	32.0	131.9	147.9	143.9	98.0	102.0	159.9
100°	8.0	8.0	4.0	2.0	20.0	98.0	118.0	116.0	64.0	16.0	46.0
102.5°	8.0	8.0	4.0	2.0	4.0	46.0	56.0	58.0	38.0	6.0	8.0
105°	10.0	10.0	4.0	2.0	2.0	8.0	18.0	24.0	14.0	4.0	8.0
107.5°	10.0	10.0	4.0	2.0	2.0	4.0	4.0	6.0	6.0	4.0	10.0
110°	10.0	10.0	4.0	4.0	2.0	2.0	2.0	2.0	4.0	4.0	10.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	8.0	8.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	10.0
115°	4.0	4.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	4.0	8.0
117.5°	2.0	2.0	0.0	2.0	0.0	2.0	2.0	2.0	4.0	4.0	10.0
120°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	6.0	12.0
122.5°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	6.0	12.0
125°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	6.0	12.0
127.5°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	6.0	10.0
130°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	4.0	8.0
132.5°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	4.0	6.0
135°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	4.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	6.0	6.0	4.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
152.5°	4.0	4.0	6.0	2.0	0.0	0.0	2.0	2.0	4.0	2.0	2.0
155°	4.0	4.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	4.0	4.0
157.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8
2.5°	421.8	419.8	413.8	409.8	403.8	397.8	367.8	349.9	347.9	345.9	347.9
5°	413.8	407.8	397.8	351.9	329.9	309.9	303.9	299.9	289.9	289.9	291.9
7.5°	357.9	353.9	321.9	307.9	289.9	271.9	255.9	243.9	213.9	203.9	199.9
10°	313.9	305.9	249.9	221.9	203.9	183.9	183.9	167.9	159.9	153.9	151.9
12.5°	271.9	265.9	219.9	201.9	151.9	131.9	121.9	112.0	106.0	102.0	100.0
15°	317.9	307.9	235.9	161.9	112.0	94.0	74.0	72.0	90.0	94.0	96.0
17.5°	253.9	259.9	209.9	141.9	92.0	58.0	64.0	76.0	86.0	86.0	84.0
20°	337.9	323.9	227.9	114.0	66.0	58.0	62.0	56.0	80.0	86.0	86.0
22.5°	245.9	233.9	187.9	106.0	52.0	56.0	52.0	66.0	74.0	66.0	68.0
25°	365.8	347.9	217.9	74.0	54.0	48.0	60.0	52.0	72.0	78.0	80.0
27.5°	453.8	393.8	213.9	70.0	48.0	54.0	50.0	60.0	58.0	62.0	62.0
30°	541.8	507.8	241.9	64.0	48.0	46.0	52.0	52.0	66.0	72.0	72.0
32.5°	579.8	539.8	211.9	62.0	48.0	46.0	46.0	56.0	62.0	74.0	74.0
35°	619.7	565.8	177.9	58.0	46.0	44.0	44.0	56.0	66.0	74.0	76.0
37.5°	673.7	593.8	143.9	56.0	44.0	42.0	38.0	50.0	70.0	78.0	80.0
40°	741.7	633.7	112.0	52.0	40.0	38.0	36.0	50.0	60.0	70.0	70.0
42.5°	847.6	677.7	88.0	50.0	38.0	34.0	34.0	42.0	58.0	66.0	66.0
45°	955.6	729.7	74.0	48.0	36.0	32.0	32.0	42.0	44.0	56.0	56.0
47.5°	1075.5	781.7	68.0	46.0	36.0	28.0	28.0	38.0	38.0	52.0	54.0
50°	1199.5	825.7	64.0	44.0	32.0	26.0	32.0	26.0	32.0	50.0	54.0
52.5°	1307.5	861.6	60.0	40.0	30.0	24.0	30.0	26.0	32.0	46.0	46.0
55°	1417.4	881.6	58.0	38.0	28.0	20.0	30.0	28.0	30.0	42.0	42.0
57.5°	1515.4	887.6	56.0	38.0	24.0	18.0	28.0	34.0	26.0	34.0	38.0
60°	1603.3	881.6	50.0	34.0	18.0	18.0	30.0	40.0	36.0	40.0	40.0
62.5°	1685.3	859.6	40.0	28.0	14.0	18.0	38.0	44.0	34.0	42.0	46.0
65°	1755.3	829.7	30.0	22.0	10.0	20.0	40.0	50.0	40.0	48.0	52.0
67.5°	1787.3	789.7	24.0	18.0	10.0	22.0	42.0	56.0	46.0	54.0	58.0
70°	1733.3	707.7	20.0	18.0	8.0	26.0	44.0	60.0	52.0	68.0	70.0
72.5°	1439.4	555.8	18.0	18.0	14.0	32.0	56.0	68.0	64.0	92.0	90.0
75°	953.6	303.9	18.0	16.0	18.0	38.0	68.0	80.0	70.0	104.0	104.0
77.5°	439.8	133.9	16.0	18.0	20.0	42.0	78.0	96.0	80.0	118.0	116.0
80°	191.9	82.0	16.0	16.0	22.0	46.0	88.0	108.0	88.0	129.9	129.9
82.5°	143.9	74.0	14.0	16.0	30.0	52.0	102.0	119.9	98.0	139.9	137.9
85°	133.9	70.0	16.0	18.0	34.0	66.0	119.9	129.9	102.0	143.9	143.9
87.5°	135.9	68.0	16.0	18.0	46.0	84.0	135.9	139.9	112.0	151.9	151.9
90°	139.9	70.0	18.0	20.0	52.0	92.0	151.9	149.9	125.9	159.9	159.9
92.5°	149.9	70.0	20.0	22.0	56.0	102.0	165.9	153.9	135.9	165.9	161.9
95°	155.9	70.0	22.0	24.0	66.0	112.0	175.9	149.9	143.9	153.9	149.9
97.5°	116.0	52.0	26.0	28.0	68.0	125.9	161.9	127.9	94.0	92.0	94.0
100°	38.0	18.0	28.0	30.0	44.0	88.0	119.9	92.0	50.0	38.0	38.0
102.5°	10.0	10.0	26.0	28.0	24.0	38.0	70.0	60.0	34.0	2.0	4.0
105°	10.0	8.0	16.0	22.0	14.0	10.0	28.0	34.0	26.0	2.0	2.0
107.5°	10.0	8.0	8.0	12.0	4.0	4.0	8.0	8.0	8.0	2.0	2.0
110°	10.0	8.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	4.0	4.0

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CANDELA DISTRIBUTION (continued):

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