

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: P560543

Luminaire Tested: **SDL-PA1-50-730-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-730-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4086.7 lumens
Efficiency: N/A
Efficacy: 78.0 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): 52.4
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

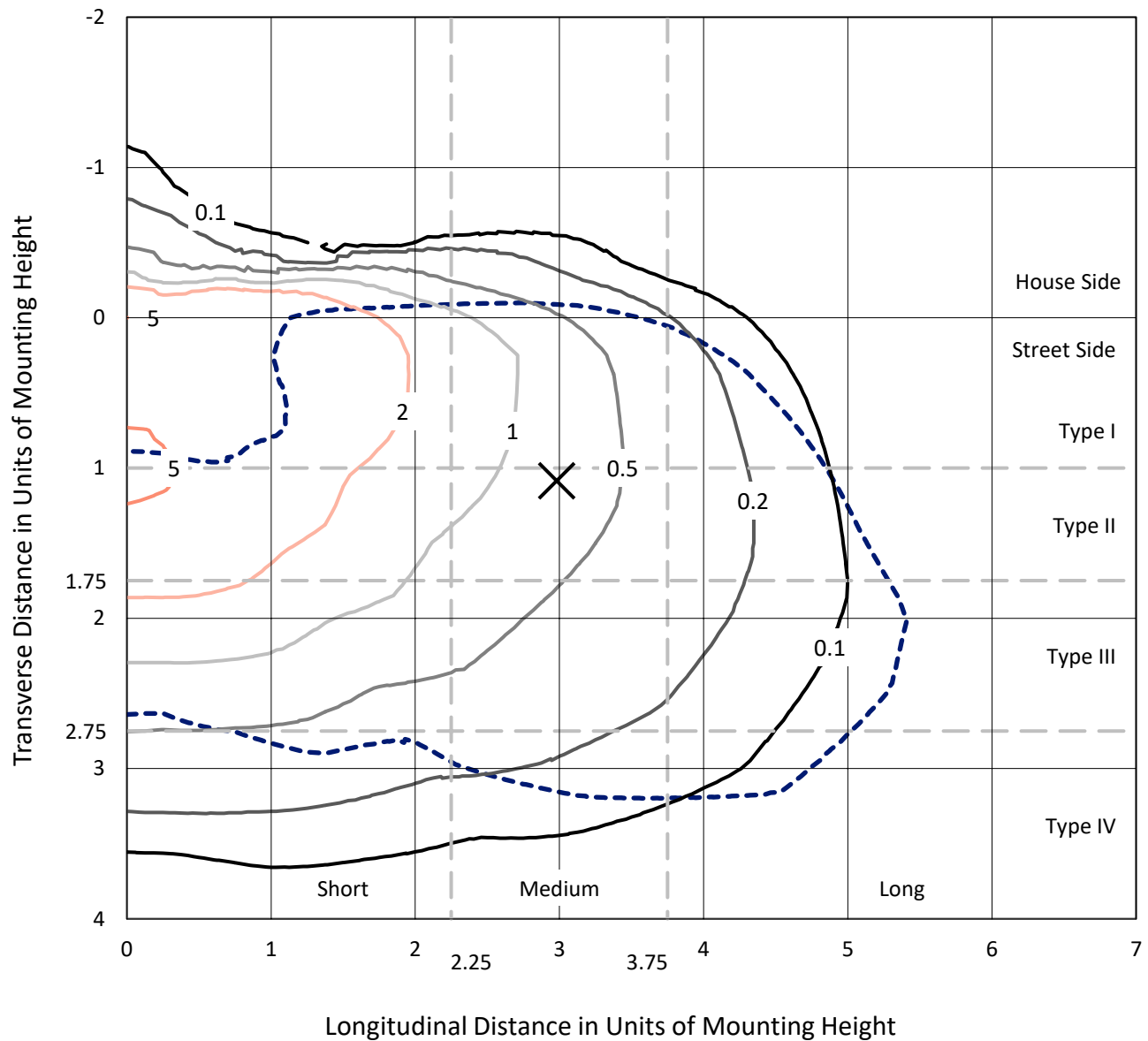


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Iso-Footcandle Lines of Horizontal Illumination

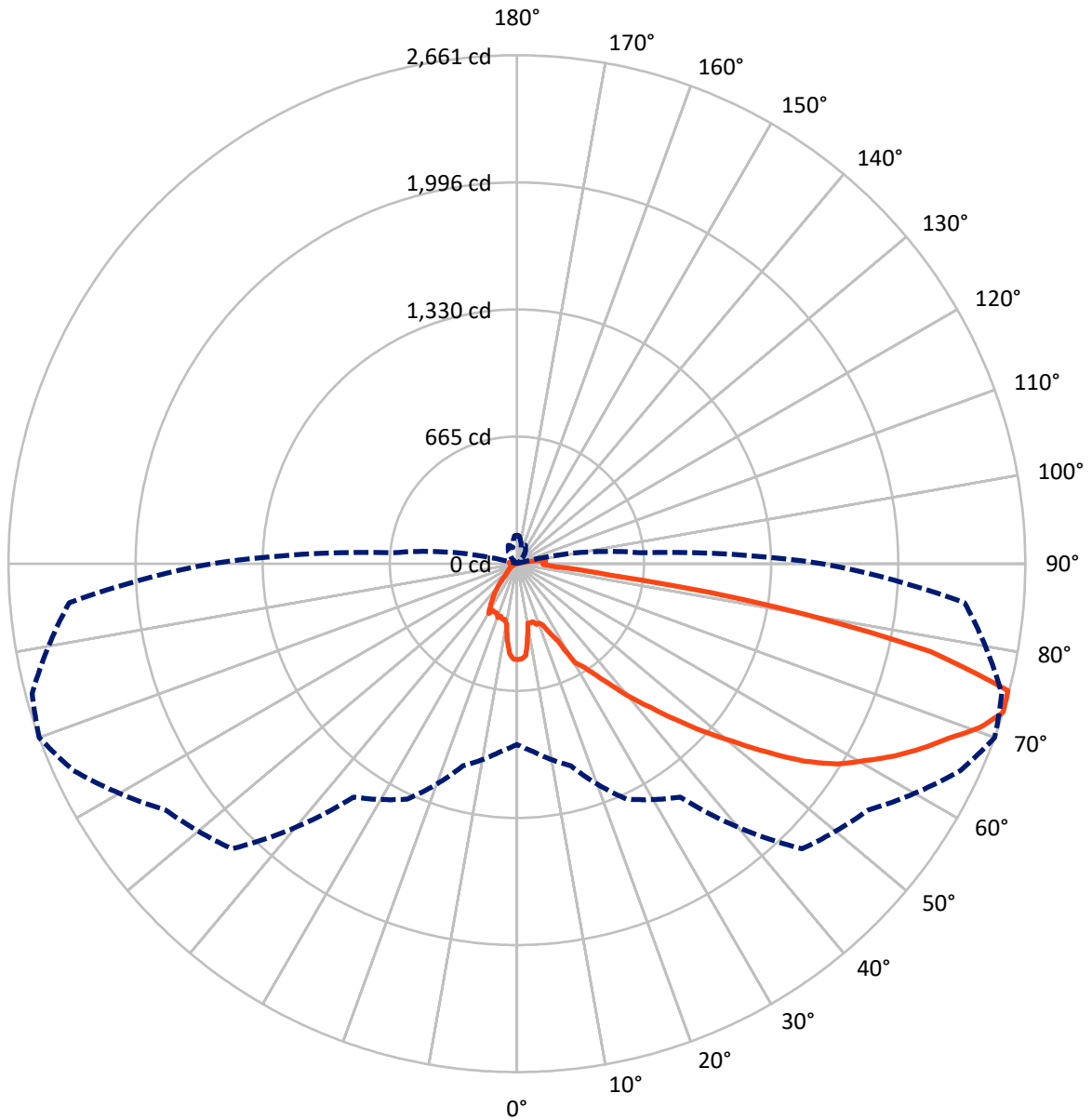
✕ Max cd
 --- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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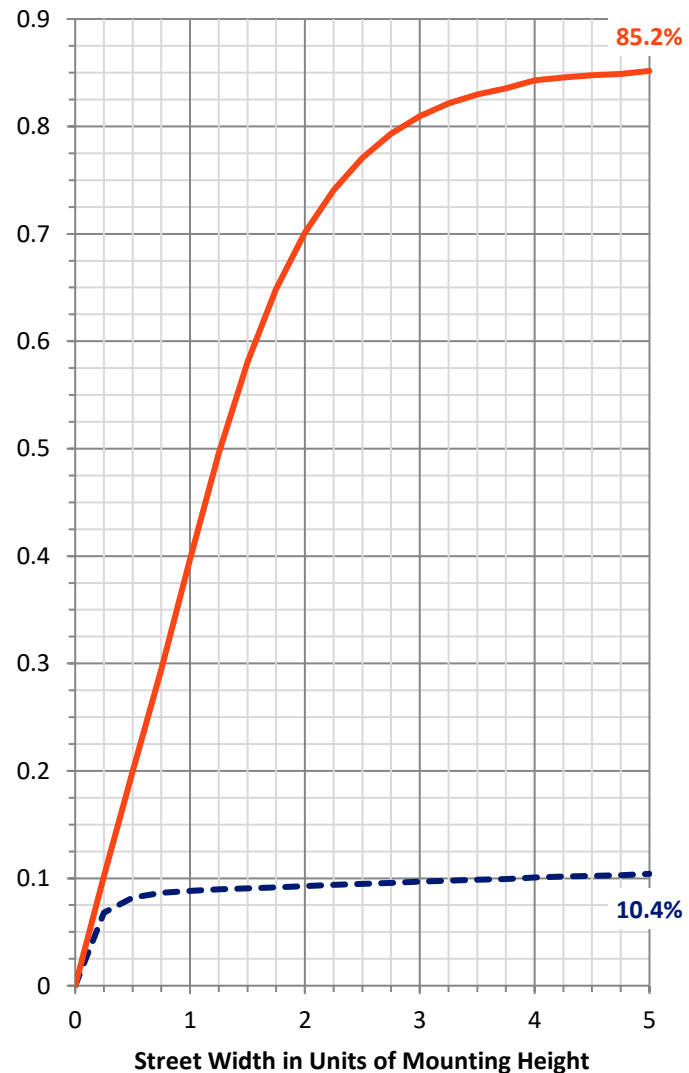
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	468.5	65.9	534.4
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	3499.0	53.3	3552.3
	% Fixture	85.6	1.3	86.9
Total	Lumens	3967.5	119.2	4086.7
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	0.9
10°-20°	76.5	1.9
20°-30°	124.0	3.0
30°-40°	264.9	6.5
40°-50°	520.8	12.7
50°-60°	869.6	21.3
60°-70°	1079.3	26.4
70°-80°	831.2	20.3
80°-90°	162.5	4.0
90°-100°	88.2	2.2
100°-110°	18.3	0.4
110°-120°	5.2	0.1
120°-130°	4.0	0.1
130°-140°	1.9	0.0
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3967.5	97.1
0°-180°	4086.7	100.0

Coefficient of Utilization



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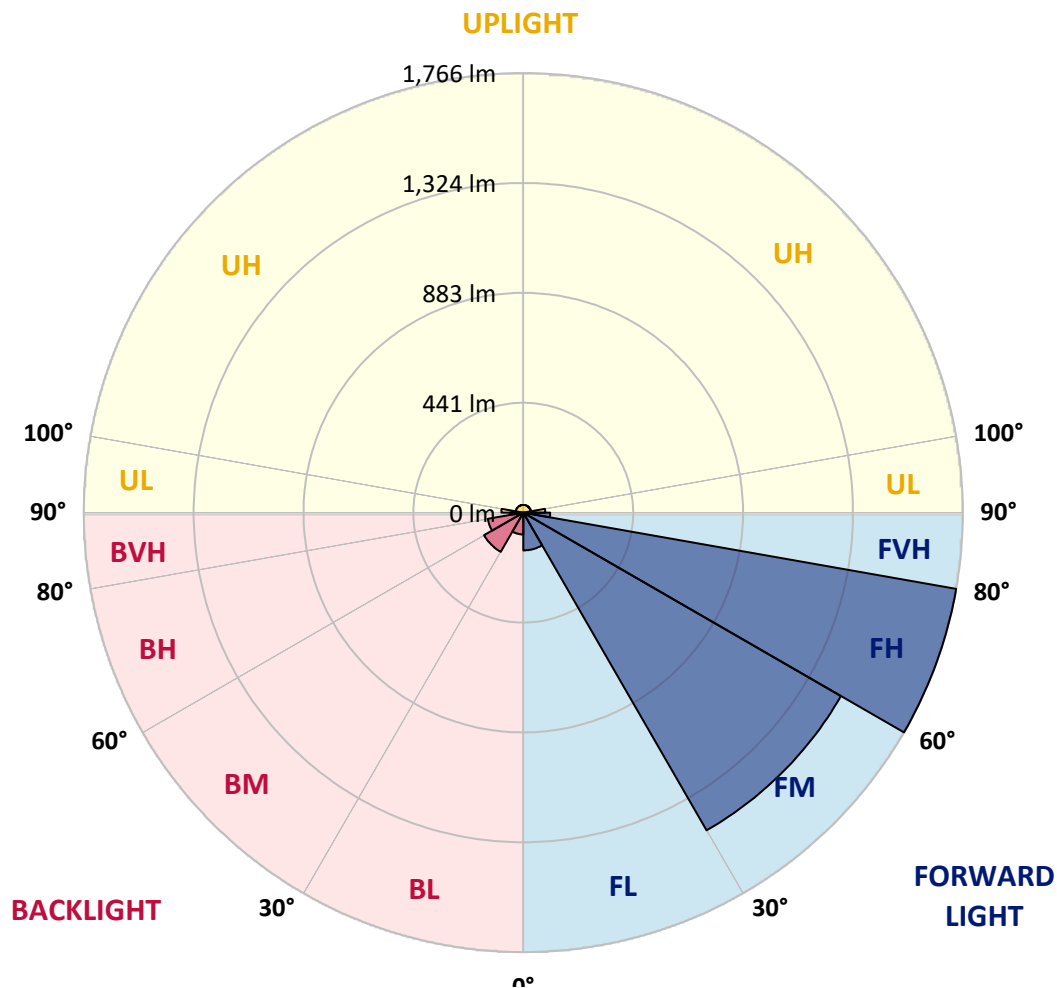
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.6	3.7			
FM	(30°-60°)	1473.6	36.1			
FH	(60°-80°)	1765.7	43.2			G1/1800
FVH	(80°-90°)	108.2	2.6			G2/225
BL	(0°-30°)	87.6	2.1	B0/110		
BM	(30°-60°)	181.7	4.4	B0/220		
BH	(60°-80°)	144.8	3.5	B1/500		G1/500
BVH	(80°-90°)	54.4	1.3			G1/100
UL	(90°-100°)	88.2	2.2		U3/500	
UH	(100°-180°)	31.0	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°	55°	65°	70°	75°	85°
0°	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0
2.5°	423.3	470.1	472.2	476.5	480.7	487.1	497.7	497.7	497.7	497.7	499.8
5°	402.0	402.0	402.0	406.3	406.3	410.5	412.6	476.5	482.8	489.2	489.2
7.5°	333.9	365.8	368.0	380.7	395.6	402.0	406.3	402.0	395.6	421.1	431.8
10°	365.8	365.8	365.8	370.1	348.8	338.2	312.7	314.8	316.9	336.1	382.9
12.5°	304.2	323.3	342.4	363.7	336.1	302.0	295.7	312.7	316.9	282.9	336.1
15°	355.2	353.1	353.1	333.9	278.6	302.0	263.8	278.6	314.8	344.6	399.9
17.5°	293.5	285.0	331.8	327.6	297.8	238.2	304.2	302.0	333.9	308.4	344.6
20°	348.8	346.7	346.7	268.0	295.7	321.2	316.9	295.7	331.8	370.1	436.0
22.5°	293.5	289.3	297.8	321.2	293.5	331.8	289.3	365.8	348.8	338.2	316.9
25°	370.1	368.0	368.0	293.5	331.8	304.2	365.8	333.9	404.1	440.3	480.7
27.5°	331.8	331.8	316.9	340.3	316.9	382.9	351.0	421.1	457.3	480.7	580.7
30°	459.4	461.6	436.0	338.2	353.1	359.5	414.8	521.1	599.8	657.2	718.9
32.5°	661.5	648.7	542.4	461.6	374.4	444.5	459.4	606.2	644.5	706.2	759.3
35°	899.7	893.3	799.8	597.7	450.9	476.5	512.6	659.4	718.9	780.6	812.5
37.5°	1063.5	1057.1	997.6	761.5	544.5	555.2	559.4	733.8	810.4	872.1	887.0
40°	1197.5	1186.9	1150.7	889.1	670.0	648.7	627.5	835.9	923.1	974.2	980.6
42.5°	1399.6	1382.6	1291.1	1035.9	797.6	774.2	701.9	925.3	1029.5	1097.5	1101.8
45°	1642.1	1627.2	1499.5	1240.1	933.8	927.4	833.8	1040.1	1163.5	1244.3	1220.9
47.5°	1808.0	1767.6	1695.2	1435.7	1144.3	1089.0	980.6	1157.1	1308.1	1429.4	1363.4
50°	1959.0	1929.2	1867.5	1652.7	1371.9	1297.5	1133.7	1291.1	1461.3	1571.9	1482.5
52.5°	2099.4	2054.7	2003.7	1814.3	1567.6	1531.5	1284.7	1425.1	1637.8	1729.3	1605.9
55°	2169.6	2099.4	2090.9	1961.1	1718.6	1688.9	1454.9	1591.0	1822.9	1886.7	1722.9
57.5°	2054.7	2052.6	2118.5	2050.4	1842.0	1827.1	1627.2	1769.7	1978.1	2007.9	1837.7
60°	1978.1	1980.3	2080.2	2084.5	1950.5	1959.0	1782.4	1976.0	2093.0	2112.1	1946.2
62.5°	1844.1	1859.0	2010.0	2107.9	1978.1	2084.5	1914.3	2118.5	2216.4	2222.7	2080.2
65°	1676.1	1691.0	1844.1	2044.1	1948.3	2167.4	2024.9	2278.0	2329.1	2333.3	2227.0
67.5°	1480.4	1486.8	1656.9	1878.2	1876.0	2197.2	2093.0	2384.4	2437.6	2450.3	2352.5
70°	1263.4	1254.9	1410.2	1665.5	1720.8	2182.3	2175.9	2488.6	2569.4	2567.3	2439.7
72.5°	946.5	986.9	1095.4	1359.2	1491.0	2110.0	2246.1	2560.9	2660.9	2626.9	2352.5
75°	323.3	344.6	638.1	865.7	1148.6	1916.4	2261.0	2565.2	2654.5	2503.5	1925.0
77.5°	106.4	100.0	142.5	344.6	638.1	1327.3	1988.8	2237.6	2214.2	1946.2	1182.6
80°	51.0	53.2	63.8	121.2	234.0	601.9	1248.6	1416.6	1384.7	1021.0	512.6
82.5°	34.0	36.2	42.5	70.2	131.9	206.3	663.6	646.6	489.2	321.2	210.6
85°	14.9	14.9	21.3	36.2	80.8	136.1	253.1	221.2	199.9	185.1	172.3
87.5°	4.3	4.3	8.5	12.8	27.7	85.1	142.5	134.0	138.3	144.6	163.8
90°	4.3	4.3	4.3	4.3	21.3	89.3	144.6	136.1	136.1	144.6	172.3
92.5°	6.4	6.4	4.3	4.3	19.1	89.3	151.0	129.7	138.3	146.8	185.1
95°	6.4	8.5	4.3	2.1	14.9	91.5	155.3	138.3	151.0	148.9	197.8
97.5°	8.5	8.5	4.3	2.1	8.5	78.7	157.4	112.7	114.9	106.4	155.3
100°	10.6	10.6	4.3	4.3	6.4	40.4	117.0	72.3	44.7	34.0	51.0
102.5°	12.8	12.8	4.3	4.3	4.3	14.9	53.2	42.5	23.4	6.4	12.8
105°	12.8	14.9	4.3	4.3	2.1	6.4	23.4	17.0	8.5	6.4	12.8
107.5°	14.9	14.9	4.3	4.3	2.1	4.3	6.4	6.4	4.3	6.4	12.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	10.6	10.6	4.3	6.4	2.1	2.1	2.1	4.3	4.3	6.4	12.8
115°	6.4	4.3	2.1	4.3	2.1	2.1	2.1	4.3	4.3	4.3	10.6
117.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4	12.8
120°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	8.5	14.9
122.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	8.5	17.0
125°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	14.9
127.5°	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1	4.3	6.4	12.8
130°	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1	2.1	4.3	8.5
132.5°	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1	2.1	4.3	8.5
135°	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1	2.1	2.1	4.3
137.5°	2.1	2.1	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
140°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
152.5°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	2.1	2.1
155°	2.1	2.1	2.1	0.0	0.0	2.1	2.1	2.1	2.1	4.3	4.3
157.5°	0.0	2.1	2.1	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1
160°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1
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°	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0
2.5°	499.8	499.8	497.7	502.0	499.8	499.8	472.2	444.5	438.2	440.3	444.5
5°	491.3	491.3	491.3	457.3	419.0	406.3	410.5	410.5	410.5	408.4	412.6
7.5°	433.9	431.8	425.4	387.1	404.1	402.0	399.9	395.6	344.6	331.8	331.8
10°	385.0	385.0	329.7	314.8	314.8	327.6	336.1	323.3	316.9	306.3	304.2
12.5°	338.2	338.2	282.9	314.8	265.9	263.8	257.4	236.1	199.9	174.4	176.5
15°	402.0	402.0	333.9	268.0	223.3	210.6	131.9	123.4	119.1	117.0	114.9
17.5°	342.4	344.6	308.4	265.9	208.4	110.6	93.6	93.6	93.6	89.3	80.8
20°	433.9	433.9	359.5	238.2	157.4	87.2	72.3	63.8	87.2	87.2	87.2
22.5°	314.8	310.5	316.9	242.5	97.8	70.2	59.6	74.4	78.7	65.9	65.9
25°	476.5	470.1	385.0	174.4	80.8	55.3	65.9	57.4	74.4	74.4	74.4
27.5°	587.1	544.5	391.4	159.5	59.6	63.8	53.2	63.8	57.4	55.3	55.3
30°	706.2	687.0	472.2	125.5	57.4	53.2	55.3	51.0	59.6	55.3	55.3
32.5°	744.5	725.3	427.5	97.8	55.3	51.0	46.8	48.9	46.8	48.9	48.9
35°	793.4	774.2	378.6	74.4	51.0	44.7	42.5	42.5	40.4	38.3	38.3
37.5°	863.6	831.7	323.3	63.8	46.8	40.4	34.0	31.9	34.0	42.5	44.7
40°	944.4	891.2	255.2	57.4	40.4	34.0	25.5	29.8	36.2	36.2	36.2
42.5°	1061.4	963.5	189.3	53.2	36.2	27.7	19.1	23.4	27.7	38.3	38.3
45°	1163.5	1006.1	134.0	48.9	29.8	21.3	14.9	23.4	29.8	34.0	34.0
47.5°	1282.6	1046.5	100.0	46.8	27.7	14.9	17.0	23.4	23.4	36.2	36.2
50°	1382.6	1055.0	80.8	42.5	21.3	10.6	21.3	21.3	25.5	31.9	31.9
52.5°	1476.2	1063.5	72.3	38.3	17.0	8.5	21.3	21.3	29.8	38.3	38.3
55°	1537.8	1038.0	65.9	34.0	14.9	6.4	23.4	23.4	23.4	29.8	29.8
57.5°	1586.8	1006.1	61.7	29.8	12.8	12.8	25.5	29.8	25.5	29.8	29.8
60°	1618.7	948.7	53.2	27.7	10.6	12.8	31.9	38.3	29.8	44.7	44.7
62.5°	1676.1	904.0	46.8	25.5	8.5	12.8	31.9	48.9	38.3	59.6	61.7
65°	1722.9	863.6	40.4	19.1	8.5	17.0	36.2	61.7	46.8	74.4	76.6
67.5°	1742.0	814.6	34.0	17.0	8.5	19.1	46.8	76.6	59.6	87.2	87.2
70°	1727.1	763.6	27.7	17.0	8.5	29.8	61.7	89.3	72.3	106.4	108.5
72.5°	1597.4	650.9	21.3	17.0	6.4	31.9	76.6	106.4	87.2	144.6	148.9
75°	1223.0	412.6	21.3	17.0	8.5	36.2	89.3	123.4	104.2	161.7	168.0
77.5°	746.6	191.4	21.3	19.1	10.6	44.7	97.8	142.5	114.9	174.4	178.7
80°	331.8	119.1	21.3	21.3	21.3	55.3	114.9	157.4	129.7	185.1	191.4
82.5°	165.9	89.3	19.1	21.3	31.9	65.9	136.1	168.0	134.0	191.4	193.6
85°	142.5	80.8	19.1	23.4	34.0	76.6	146.8	170.2	140.4	189.3	191.4
87.5°	136.1	76.6	23.4	23.4	38.3	80.8	151.0	178.7	144.6	182.9	180.8
90°	142.5	74.4	25.5	27.7	48.9	83.0	153.1	174.4	144.6	172.3	172.3
92.5°	146.8	72.3	27.7	31.9	59.6	93.6	151.0	170.2	144.6	159.5	159.5
95°	151.0	72.3	31.9	36.2	59.6	102.1	144.6	155.3	134.0	142.5	140.4
97.5°	114.9	53.2	38.3	40.4	55.3	78.7	117.0	121.2	87.2	85.1	83.0
100°	40.4	23.4	38.3	44.7	34.0	34.0	70.2	85.1	51.0	31.9	36.2
102.5°	12.8	10.6	34.0	44.7	27.7	12.8	36.2	53.2	38.3	4.3	4.3
105°	12.8	12.8	19.1	36.2	19.1	4.3	12.8	29.8	23.4	4.3	4.3
107.5°	12.8	10.6	8.5	21.3	6.4	4.3	6.4	6.4	6.4	2.1	4.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	10.6	4.3	6.4	4.3	4.3	4.3	2.1	4.3	10.6	12.8
115°	12.8	10.6	4.3	4.3	4.3	4.3	2.1	2.1	4.3	12.8	12.8
117.5°	14.9	12.8	4.3	4.3	2.1	4.3	2.1	2.1	4.3	12.8	14.9
120°	17.0	14.9	4.3	4.3	2.1	2.1	2.1	2.1	4.3	10.6	12.8
122.5°	17.0	17.0	4.3	2.1	2.1	2.1	2.1	2.1	6.4	10.6	10.6
125°	14.9	14.9	4.3	2.1	2.1	2.1	2.1	2.1	6.4	10.6	10.6
127.5°	12.8	12.8	4.3	2.1	2.1	2.1	2.1	2.1	4.3	8.5	10.6
130°	10.6	10.6	4.3	2.1	2.1	2.1	0.0	2.1	4.3	8.5	8.5
132.5°	8.5	6.4	4.3	2.1	2.1	2.1	0.0	2.1	4.3	6.4	8.5
135°	6.4	6.4	2.1	2.1	2.1	2.1	0.0	0.0	4.3	4.3	6.4
137.5°	4.3	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	4.3	4.3
140°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
145°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
147.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
150°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
152.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
155°	4.3	4.3	4.3	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
157.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.1	2.1	2.1	2.1	2.1	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



Report Generated By 670245982



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110°	14.9	14.9	6.4	4.3	2.1	4.3	2.1	4.3	4.3	6.4	14.9
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110°	14.9	10.6	4.3	6.4	4.3	4.3	4.3	4.3	4.3	8.5	8.5
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(END OF REPORT)