

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: P560975

Luminaire Tested: **SDL-PA1-70-827-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560975
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-PA1-70-827-U-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 930mA 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: 4750.1 lumens
Efficiency: N/A
Efficacy: 65.8 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

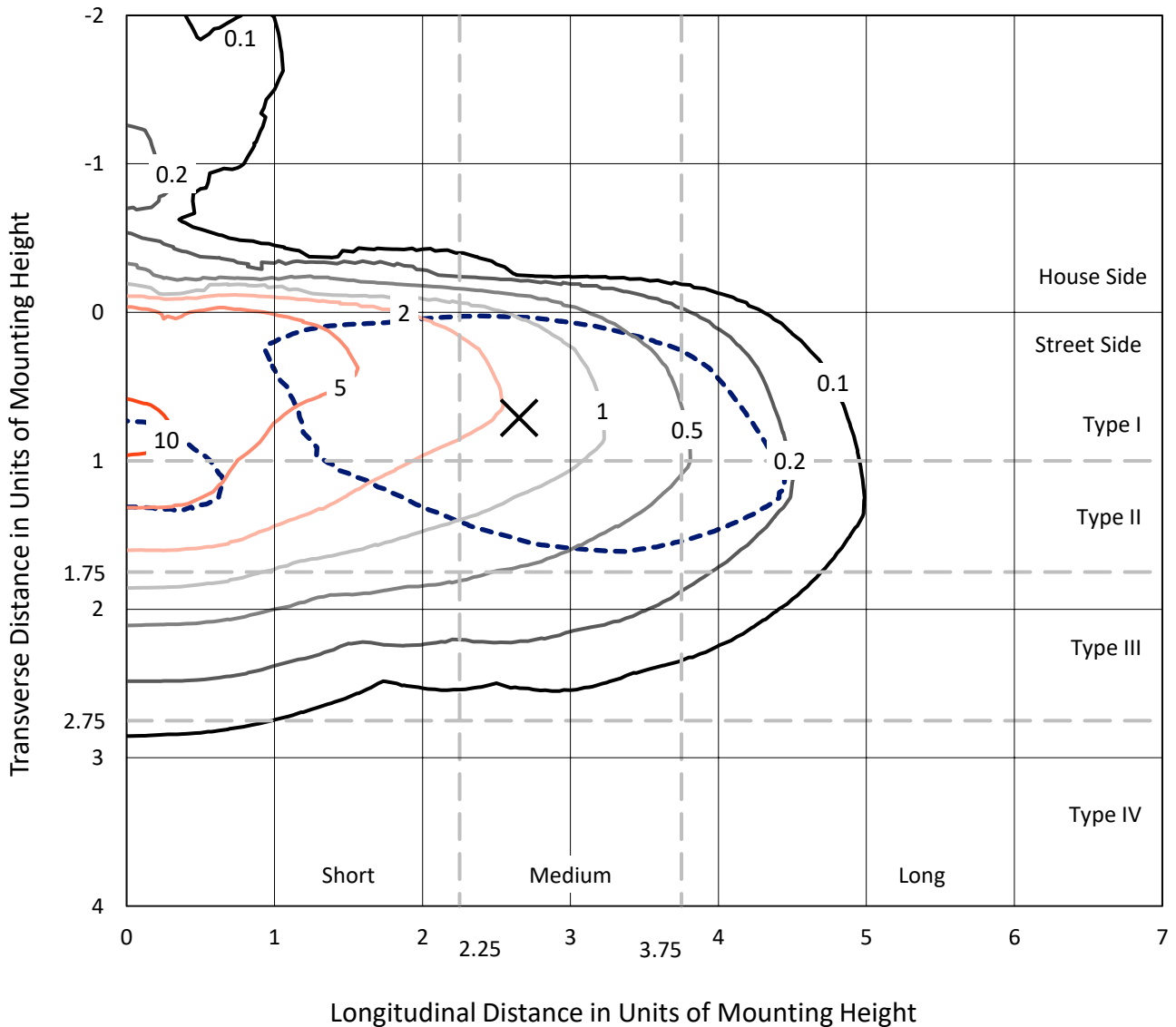
Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

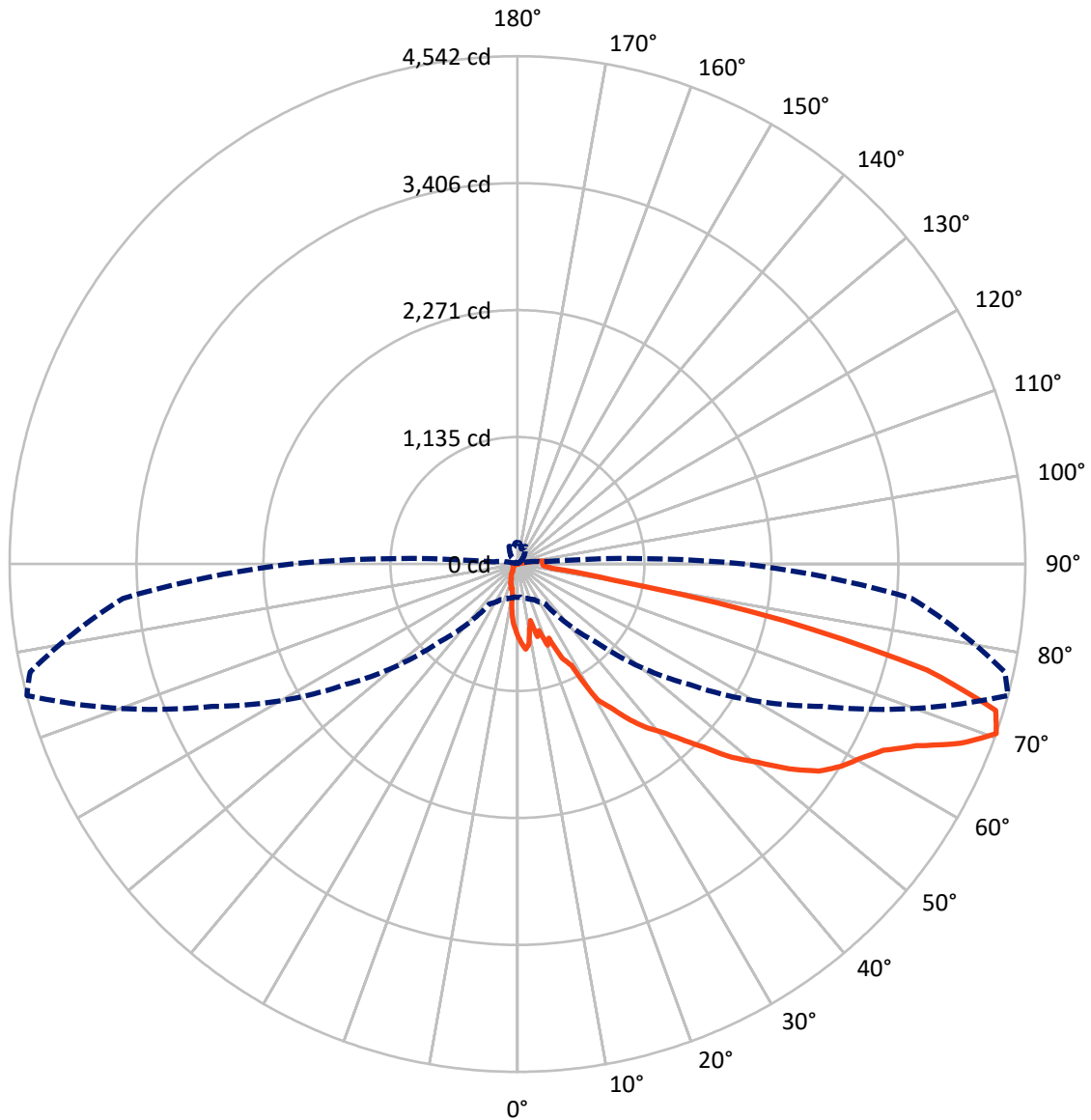
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 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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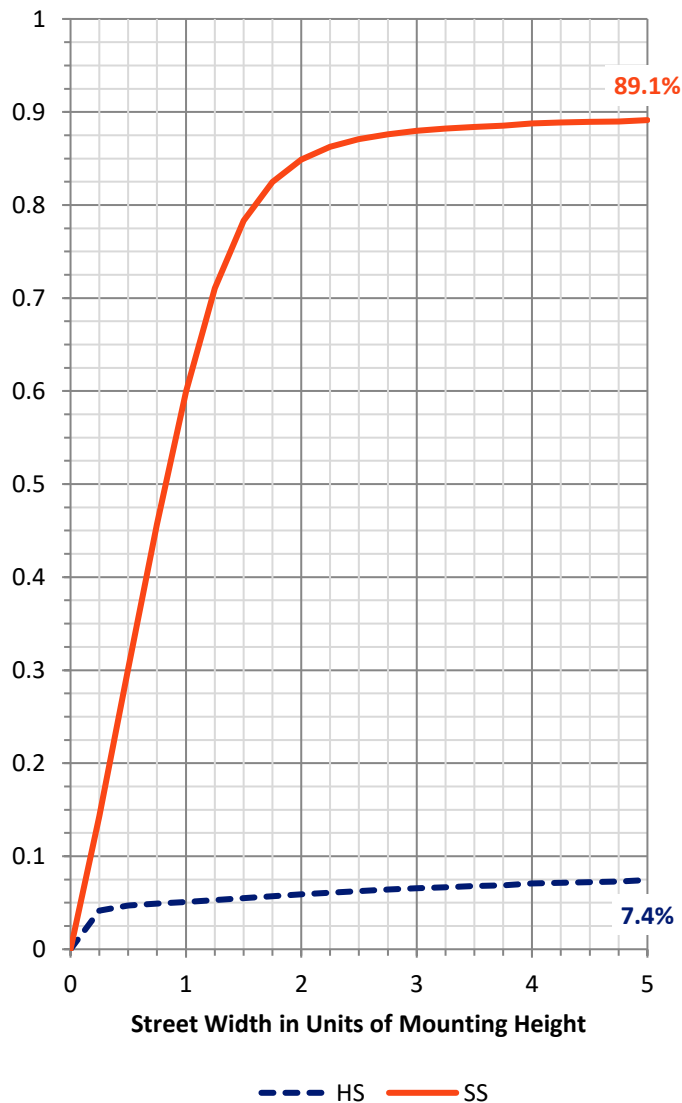
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	387.0	48.1	435.1
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	4254.4	60.5	4314.9
	% Fixture	89.6	1.3	90.8
Total	Lumens	4641.4	108.6	4750.1
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.1
10°-20°	125.3	2.6
20°-30°	235.1	4.9
30°-40°	527.5	11.1
40°-50°	868.2	18.3
50°-60°	1064.2	22.4
60°-70°	996.7	21.0
70°-80°	649.1	13.7
80°-90°	124.0	2.6
90°-100°	71.1	1.5
100°-110°	16.0	0.3
110°-120°	8.1	0.2
120°-130°	6.9	0.1
130°-140°	3.3	0.1
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4641.4	97.7
0°-180°	4750.1	100.0

Coefficient of Utilization



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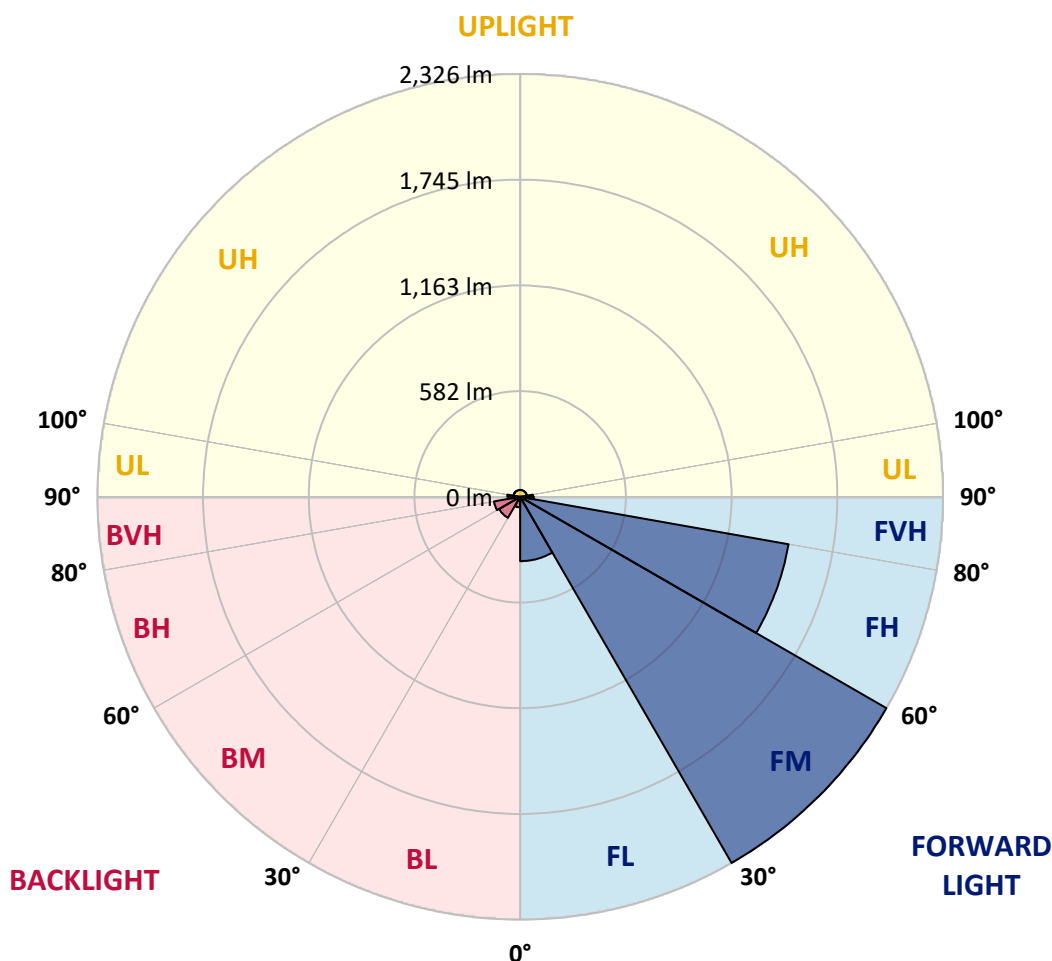
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.9	7.4			
FM (30°-60°)	2326.2	49.0			
FH (60°-80°)	1499.3	31.6			G1/1800
FVH (80°-90°)	75.1	1.6			G1/100
BL (0°-30°)	57.8	1.2	B0/110		
BM (30°-60°)	133.8	2.8	B0/220		
BH (60°-80°)	146.5	3.1	B1/500		G1/500
BVH (80°-90°)	48.9	1.0			G1/100
UL (90°-100°)	71.1	1.5		U3/500	
UH (100°-180°)	37.5	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°	646.2	646.2	646.2	646.2	646.2	646.2	646.2	646.2	646.2	646.2	646.2
2.5°	721.0	766.4	780.0	802.7	814.0	800.4	775.5	743.7	709.7	700.6	671.2
5°	818.5	809.5	802.7	802.7	789.1	759.6	732.4	816.3	764.1	752.8	693.8
7.5°	743.7	814.0	866.2	870.7	863.9	841.2	802.7	716.5	727.8	714.2	641.7
10°	900.2	902.4	893.4	900.2	836.7	804.9	680.2	628.1	587.3	641.7	575.9
12.5°	746.0	857.1	920.6	943.2	863.9	759.6	696.1	668.9	519.2	505.6	521.5
15°	911.5	916.0	922.8	900.2	700.6	795.9	646.2	596.3	673.4	655.3	643.9
17.5°	721.0	730.1	884.3	875.2	811.7	630.3	768.7	684.8	625.8	603.1	587.3
20°	918.3	920.6	918.3	696.1	757.3	848.0	723.3	700.6	775.5	766.4	725.6
22.5°	770.9	770.9	823.1	893.4	795.9	850.3	736.9	873.0	721.0	716.5	539.6
25°	1065.7	1065.7	1029.4	789.1	902.4	800.4	875.2	784.5	931.9	900.2	809.5
27.5°	1036.2	1004.5	947.8	995.4	873.0	1002.2	848.0	956.9	1027.1	1056.6	1009.0
30°	1439.8	1439.8	1378.6	1065.7	1022.6	968.2	979.5	1145.0	1408.1	1412.6	1219.9
32.5°	1950.0	1913.7	1589.5	1374.1	1117.8	1215.3	1106.5	1346.9	1530.5	1523.7	1297.0
35°	2158.6	2147.3	2047.5	1687.0	1294.7	1331.0	1247.1	1423.9	1696.0	1650.7	1389.9
37.5°	2371.7	2353.6	2251.6	1863.8	1480.6	1528.2	1351.4	1537.3	1848.0	1782.2	1492.0
40°	2503.2	2505.5	2432.9	2004.4	1628.0	1653.0	1476.1	1675.6	1970.4	1984.0	1580.4
42.5°	2641.6	2639.3	2580.3	2169.9	1750.5	1782.2	1575.9	1807.1	2135.9	2151.8	1730.0
45°	2716.4	2711.8	2677.8	2283.3	1848.0	1870.6	1730.0	1968.1	2337.7	2333.2	1852.5
47.5°	2734.5	2741.3	2739.1	2394.4	1950.0	1959.1	1868.4	2086.0	2582.6	2532.7	2013.5
50°	2632.5	2637.0	2668.8	2482.8	2024.8	2033.9	1977.2	2219.8	2788.9	2730.0	2158.6
52.5°	2349.1	2376.3	2510.0	2428.4	2056.6	2090.6	2079.2	2321.8	3040.6	2968.1	2337.7
55°	1745.9	1809.4	2115.5	2224.3	2040.7	2092.8	2169.9	2507.8	3269.6	3181.2	2482.8
57.5°	1392.2	1403.5	1584.9	1884.2	1911.4	2081.5	2265.2	2621.1	3412.5	3324.0	2587.1
60°	1099.7	1117.8	1235.7	1476.1	1668.8	2013.5	2292.4	2736.8	3525.8	3451.0	2702.8
62.5°	852.6	850.3	941.0	1102.0	1344.6	1870.6	2256.1	2807.1	3671.0	3614.3	2909.1
65°	594.1	594.1	671.2	800.4	1018.1	1614.4	2183.5	2906.8	3918.1	3902.2	3165.3
67.5°	405.9	414.9	467.1	530.6	698.4	1312.8	2074.7	3008.9	4278.6	4203.8	3412.5
70°	297.0	297.0	317.4	351.5	435.3	979.5	1879.7	3011.1	4541.7	4464.6	3541.7
72.5°	219.9	219.9	235.8	251.7	274.4	650.8	1541.8	2820.7	4473.6	4351.2	3278.7
75°	115.6	115.6	179.1	185.9	183.7	421.7	1138.2	2317.3	3782.1	3578.0	2566.7
77.5°	90.7	93.0	102.0	145.1	133.8	276.6	634.9	1426.2	2444.3	2194.9	1389.9
80°	65.8	63.5	79.4	93.0	79.4	161.0	299.3	625.8	866.2	750.5	458.0
82.5°	38.5	40.8	47.6	68.0	68.0	113.4	195.0	274.4	310.6	308.4	274.4
85°	4.5	6.8	24.9	45.3	40.8	65.8	163.3	190.5	244.9	249.4	244.9
87.5°	4.5	4.5	6.8	9.1	11.3	43.1	138.3	165.5	226.7	242.6	244.9
90°	9.1	6.8	4.5	4.5	6.8	34.0	129.2	170.1	240.3	244.9	256.2
92.5°	11.3	9.1	4.5	2.3	6.8	27.2	122.4	170.1	249.4	265.3	276.6
95°	15.9	13.6	4.5	2.3	6.8	22.7	104.3	161.0	260.8	288.0	299.3
97.5°	20.4	18.1	4.5	4.5	6.8	18.1	81.6	127.0	172.3	195.0	210.9
100°	22.7	22.7	4.5	4.5	6.8	11.3	40.8	70.3	54.4	52.2	59.0
102.5°	24.9	24.9	4.5	4.5	4.5	6.8	13.6	29.5	11.3	11.3	18.1
105°	24.9	24.9	4.5	4.5	4.5	4.5	4.5	11.3	9.1	11.3	20.4
107.5°	22.7	24.9	4.5	6.8	6.8	4.5	4.5	4.5	9.1	13.6	20.4
110°	20.4	20.4	4.5	6.8	6.8	4.5	2.3	4.5	9.1	13.6	22.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	15.9	11.3	2.3	6.8	4.5	4.5	2.3	4.5	11.3	15.9	22.7
115°	6.8	4.5	2.3	4.5	4.5	4.5	2.3	4.5	11.3	18.1	22.7
117.5°	4.5	2.3	2.3	2.3	2.3	4.5	2.3	6.8	15.9	20.4	27.2
120°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	6.8	20.4	22.7	31.7
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	20.4	22.7	31.7
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	15.9	20.4	27.2
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	11.3	15.9	22.7
130°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	11.3	13.6	18.1
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	6.8	9.1	13.6
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	9.1
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3
150°	4.5	6.8	11.3	9.1	4.5	2.3	4.5	2.3	2.3	2.3	2.3
152.5°	11.3	11.3	9.1	9.1	2.3	2.3	4.5	4.5	2.3	2.3	2.3
155°	9.1	9.1	6.8	2.3	2.3	2.3	2.3	4.5	6.8	9.1	6.8
157.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	646.2	646.2	646.2	646.2	646.2	646.2	646.2	646.2	646.2	646.2	646.2
2.5°	648.5	625.8	575.9	537.4	496.6	473.9	430.8	394.5	367.3	362.8	362.8
5°	648.5	603.1	514.7	419.5	331.0	285.7	260.8	244.9	233.5	229.0	226.7
7.5°	580.5	521.5	403.6	292.5	254.0	213.1	183.7	161.0	140.6	133.8	127.0
10°	507.9	435.3	274.4	201.8	161.0	133.8	120.2	113.4	106.6	104.3	104.3
12.5°	451.2	376.4	219.9	165.5	113.4	95.2	90.7	86.2	83.9	81.6	79.4
15°	551.0	451.2	229.0	113.4	79.4	68.0	63.5	65.8	70.3	70.3	70.3
17.5°	510.2	396.8	190.5	86.2	65.8	49.9	54.4	59.0	63.5	56.7	54.4
20°	609.9	467.1	185.9	68.0	54.4	49.9	47.6	40.8	52.2	52.2	52.2
22.5°	442.1	353.7	140.6	63.5	45.3	43.1	36.3	40.8	43.1	36.3	36.3
25°	655.3	460.3	138.3	49.9	45.3	34.0	36.3	29.5	36.3	36.3	36.3
27.5°	811.7	544.2	122.4	52.2	38.5	34.0	27.2	29.5	27.2	27.2	27.2
30°	965.9	612.2	111.1	52.2	36.3	27.2	24.9	22.7	27.2	27.2	27.2
32.5°	1011.3	596.3	88.4	54.4	34.0	24.9	20.4	22.7	22.7	24.9	24.9
35°	1063.4	582.7	74.8	47.6	31.7	22.7	18.1	20.4	22.7	24.9	24.9
37.5°	1113.3	560.1	68.0	43.1	27.2	20.4	15.9	18.1	47.6	52.2	52.2
40°	1176.8	532.8	63.5	38.5	22.7	15.9	13.6	36.3	43.1	49.9	49.9
42.5°	1267.5	517.0	59.0	36.3	20.4	13.6	13.6	31.7	61.2	68.0	68.0
45°	1342.3	489.8	56.7	31.7	18.1	11.3	22.7	43.1	49.9	63.5	61.2
47.5°	1435.3	464.8	54.4	29.5	15.9	11.3	24.9	45.3	63.5	72.6	72.6
50°	1535.0	451.2	52.2	27.2	15.9	11.3	43.1	43.1	52.2	81.6	81.6
52.5°	1662.0	442.1	47.6	22.7	13.6	22.7	59.0	52.2	63.5	83.9	83.9
55°	1723.2	412.7	45.3	20.4	11.3	22.7	63.5	59.0	65.8	88.4	88.4
57.5°	1777.7	383.2	40.8	20.4	11.3	29.5	68.0	74.8	63.5	77.1	86.2
60°	1827.5	353.7	36.3	18.1	11.3	36.3	74.8	104.3	88.4	104.3	104.3
62.5°	1943.2	331.0	31.7	20.4	9.1	40.8	97.5	127.0	99.8	127.0	124.7
65°	2052.0	303.8	29.5	18.1	11.3	47.6	106.6	147.4	108.8	147.4	147.4
67.5°	2095.1	269.8	27.2	18.1	11.3	54.4	106.6	163.3	129.2	165.5	167.8
70°	2020.3	222.2	24.9	20.4	13.6	61.2	111.1	174.6	138.3	192.7	192.7
72.5°	1716.4	151.9	24.9	22.7	27.2	68.0	131.5	181.4	145.1	231.3	233.5
75°	1281.1	86.2	27.2	24.9	29.5	77.1	145.1	188.2	151.9	233.5	233.5
77.5°	730.1	59.0	27.2	29.5	36.3	77.1	151.9	195.0	149.7	229.0	224.5
80°	254.0	43.1	27.2	34.0	45.3	77.1	154.2	192.7	145.1	213.1	213.1
82.5°	172.3	36.3	27.2	34.0	54.4	81.6	151.9	181.4	129.2	179.1	172.3
85°	161.0	29.5	29.5	36.3	59.0	81.6	138.3	156.5	108.8	133.8	131.5
87.5°	158.7	27.2	34.0	38.5	63.5	74.8	117.9	129.2	88.4	108.8	106.6
90°	165.5	27.2	36.3	40.8	59.0	61.2	95.2	108.8	72.6	86.2	83.9
92.5°	176.9	27.2	38.5	45.3	52.2	45.3	77.1	86.2	61.2	65.8	63.5
95°	188.2	27.2	43.1	47.6	43.1	34.0	59.0	70.3	49.9	47.6	47.6
97.5°	124.7	20.4	45.3	47.6	36.3	24.9	45.3	54.4	29.5	24.9	24.9
100°	40.8	15.9	47.6	49.9	34.0	18.1	38.5	40.8	22.7	11.3	11.3
102.5°	18.1	15.9	43.1	43.1	29.5	13.6	27.2	29.5	15.9	4.5	4.5
105°	15.9	9.1	24.9	31.7	20.4	6.8	13.6	15.9	9.1	4.5	4.5
107.5°	18.1	9.1	13.6	18.1	9.1	6.8	6.8	6.8	4.5	4.5	4.5
110°	18.1	9.1	6.8	11.3	9.1	6.8	4.5	4.5	4.5	6.8	6.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.4	9.1	6.8	9.1	6.8	6.8	4.5	4.5	9.1	15.9	15.9
115°	20.4	9.1	6.8	9.1	6.8	6.8	4.5	2.3	9.1	22.7	24.9
117.5°	22.7	11.3	4.5	6.8	4.5	4.5	4.5	2.3	11.3	29.5	29.5
120°	27.2	11.3	4.5	4.5	4.5	2.3	4.5	4.5	11.3	31.7	31.7
122.5°	27.2	13.6	4.5	4.5	4.5	2.3	2.3	4.5	13.6	29.5	31.7
125°	22.7	11.3	4.5	4.5	4.5	2.3	2.3	4.5	13.6	27.2	31.7
127.5°	18.1	11.3	4.5	4.5	4.5	2.3	2.3	4.5	13.6	22.7	24.9
130°	15.9	9.1	4.5	4.5	4.5	2.3	2.3	4.5	11.3	18.1	20.4
132.5°	11.3	6.8	4.5	4.5	4.5	2.3	2.3	2.3	11.3	18.1	18.1
135°	9.1	6.8	4.5	4.5	4.5	2.3	2.3	2.3	9.1	13.6	13.6
137.5°	4.5	2.3	4.5	4.5	4.5	2.3	2.3	2.3	6.8	6.8	6.8
140°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	4.5	2.3
142.5°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
155°	4.5	4.5	2.3	4.5	2.3	2.3	0.0	2.3	2.3	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
160°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
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)