

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: P559865

Luminaire Tested: **SDL-PA1-100-740-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559865
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-PA1-100-740-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 1200mA 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: 6998.7 lumens
Efficiency: N/A
Efficacy: 74.6 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 - G3

Input Watts (W): 93.8
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



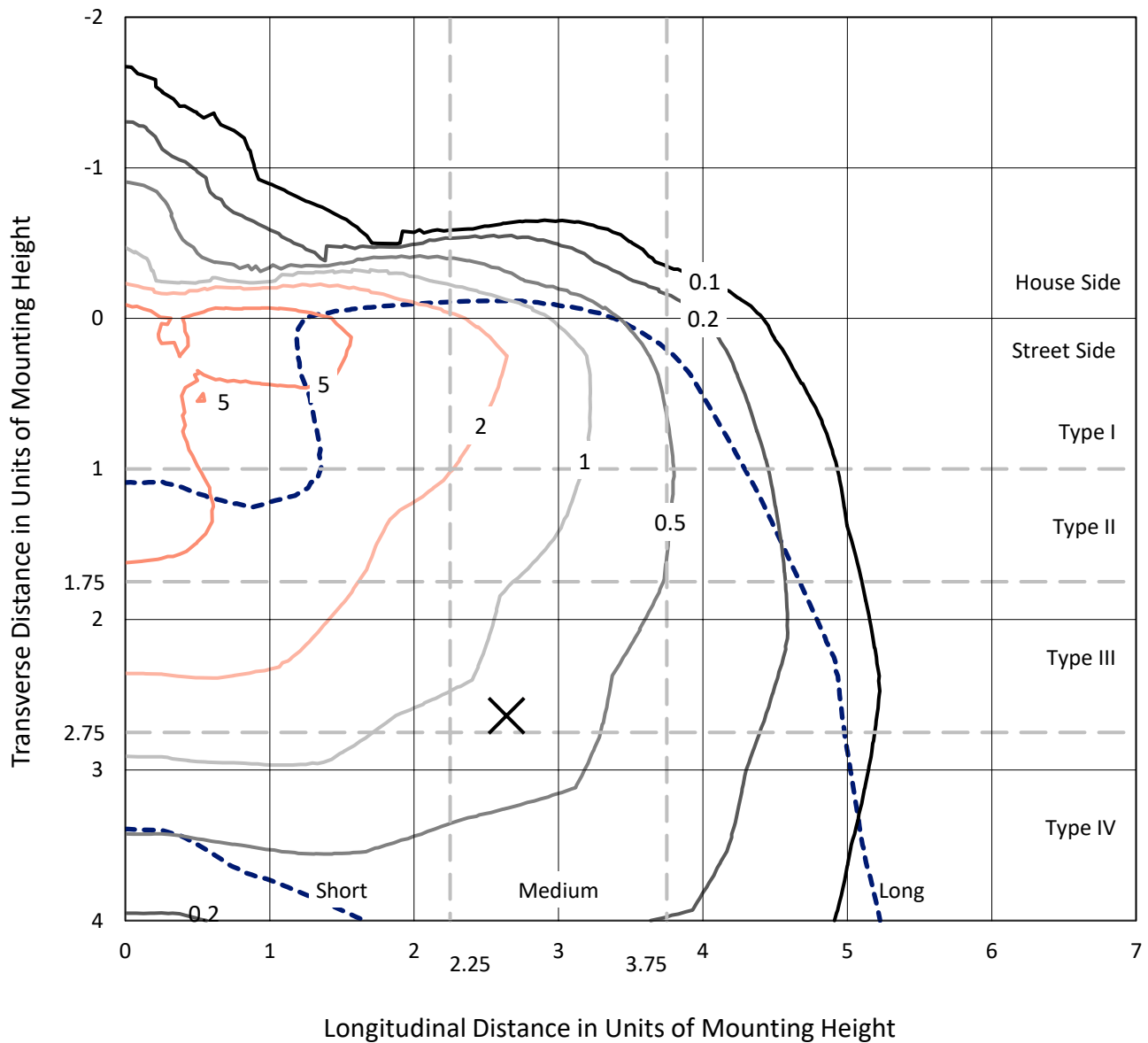
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

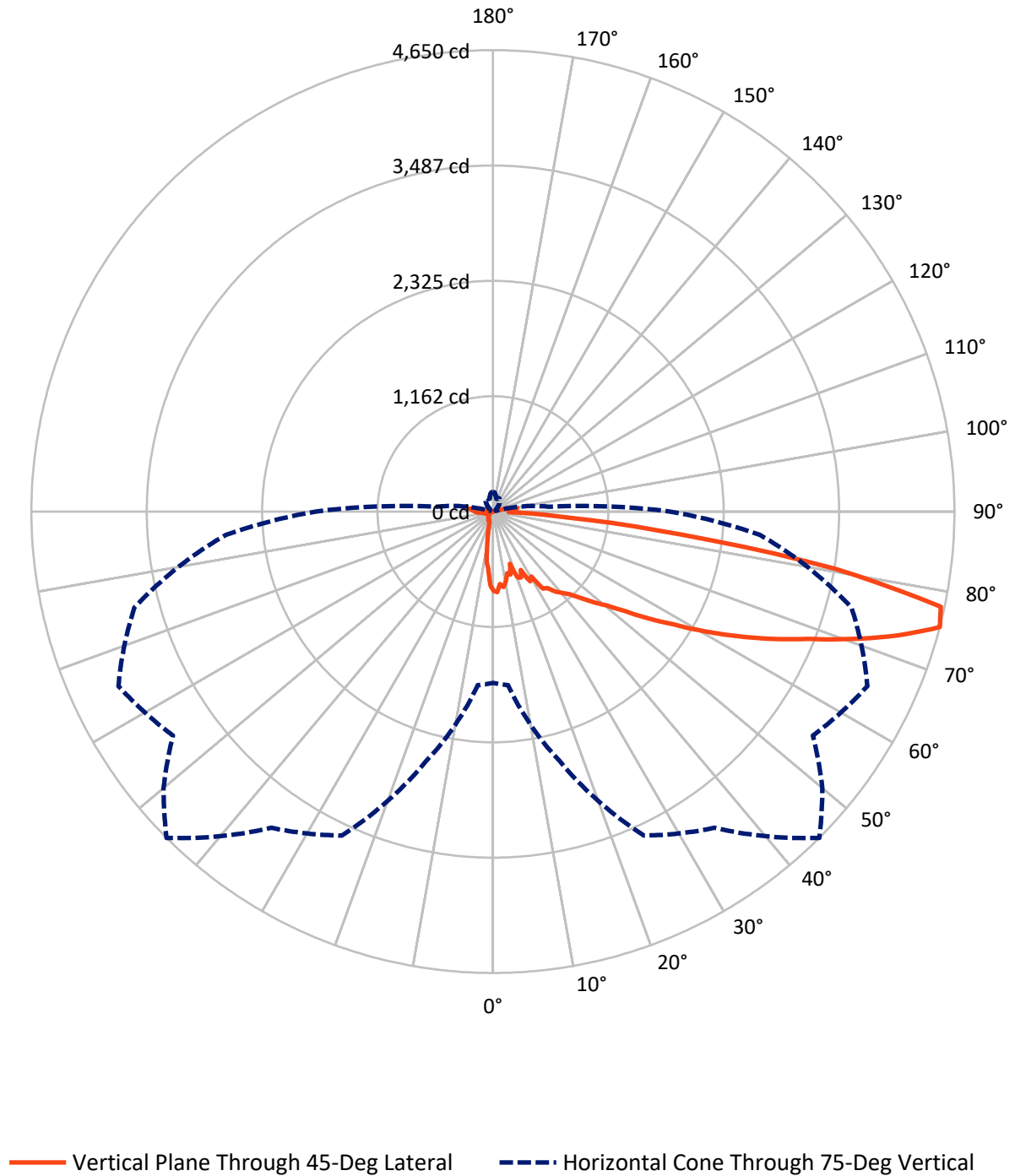


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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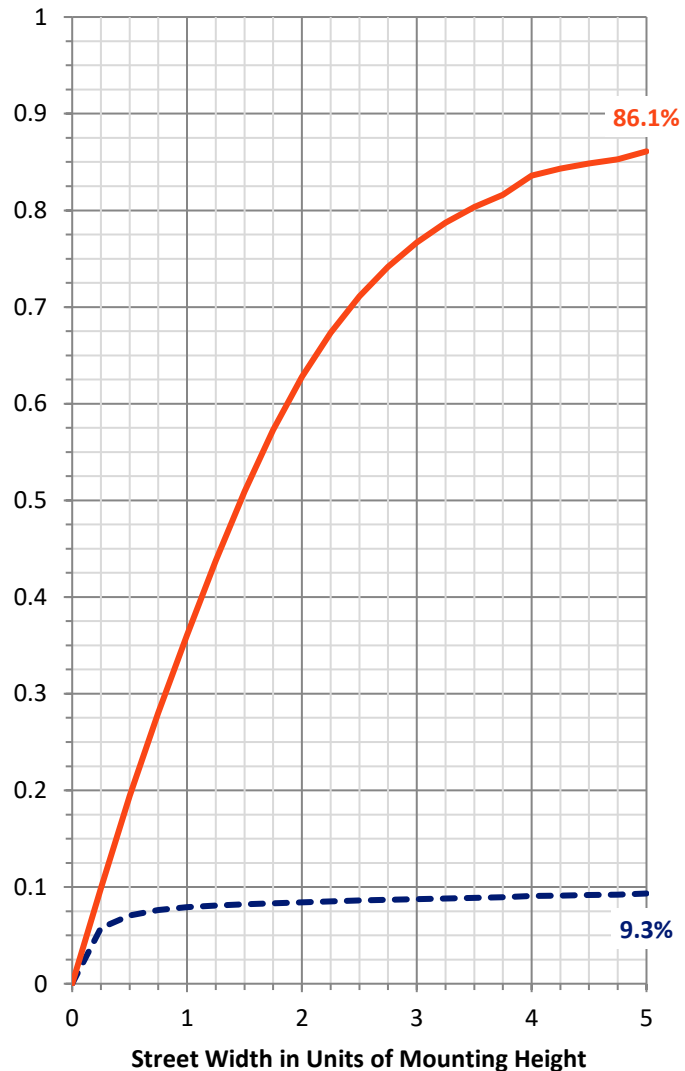
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	718.1	125.6	843.8
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	6057.8	97.1	6154.9
	% Fixture	86.6	1.4	87.9
Total	Lumens	6776.0	222.7	6998.7
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	0.9
10°-20°	133.9	1.9
20°-30°	224.7	3.2
30°-40°	416.6	6.0
40°-50°	702.0	10.0
50°-60°	1260.0	18.0
60°-70°	1892.0	27.0
70°-80°	1730.9	24.7
80°-90°	353.9	5.1
90°-100°	169.3	2.4
100°-110°	36.1	0.5
110°-120°	6.8	0.1
120°-130°	5.4	0.1
130°-140°	2.5	0.0
140°-150°	1.3	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6776.0	96.8
0°-180°	6998.7	100.0



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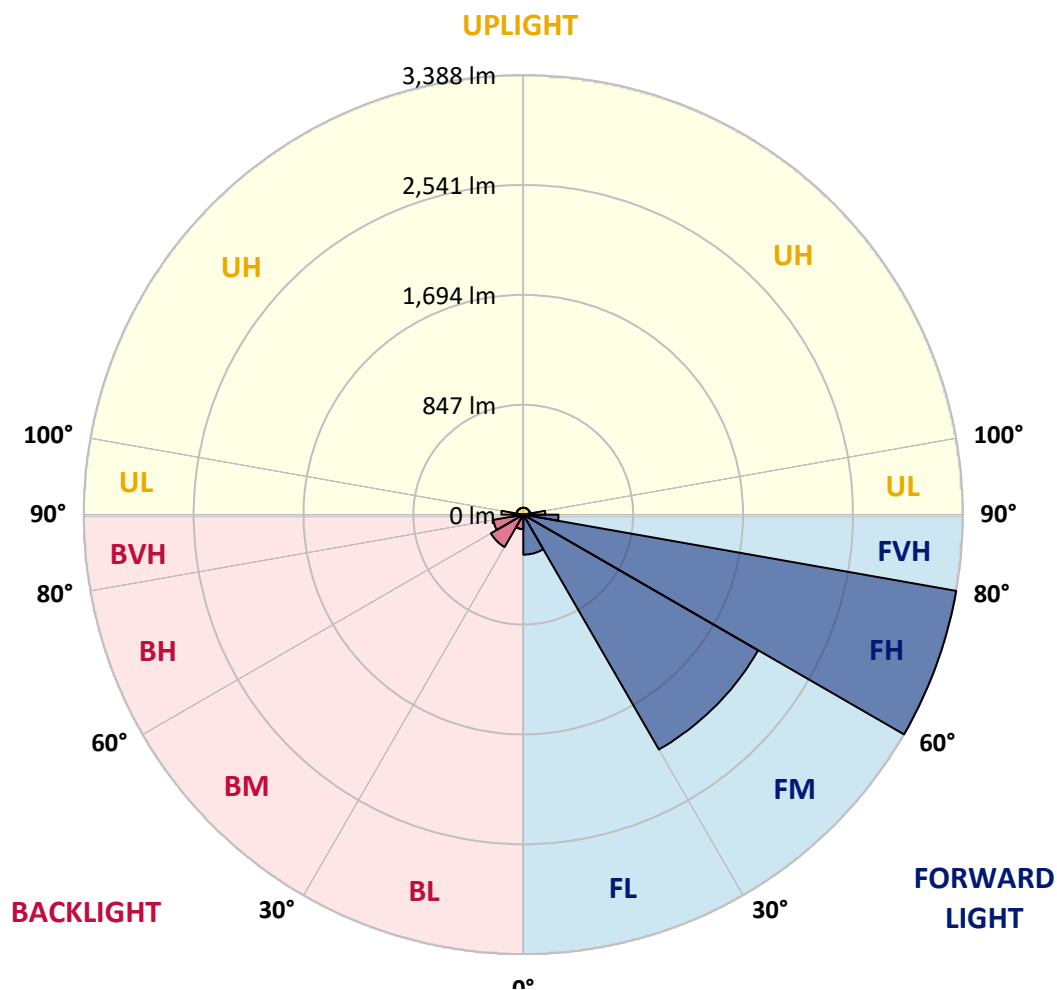
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.3	4.4			
FM	(30°-60°)	2090.5	29.9			
FH	(60°-80°)	3387.6	48.4			G2/5000
FVH	(80°-90°)	271.4	3.9			G3/500
BL	(0°-30°)	112.1	1.6	B1/500		
BM	(30°-60°)	288.1	4.1	B1/1000		
BH	(60°-80°)	235.3	3.4	B1/500		G1/500
BVH	(80°-90°)	82.5	1.2			G1/100
UL	(90°-100°)	169.3	2.4		U3/500	
UH	(100°-180°)	53.3	0.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4
2.5°	775.0	812.4	801.2	819.9	816.2	812.4	812.4	816.2	812.4	804.9	797.4
5°	790.0	778.7	771.2	767.5	752.5	733.8	726.3	718.8	797.4	797.4	782.5
7.5°	812.4	812.4	797.4	786.2	786.2	767.5	748.8	733.8	696.4	685.1	685.1
10°	864.8	857.4	846.1	823.7	711.3	715.1	673.9	591.5	554.1	569.1	591.5
12.5°	876.1	872.3	857.4	853.6	748.8	636.5	527.9	591.5	565.3	471.7	524.1
15°	939.7	932.2	902.3	849.9	640.2	658.9	614.0	527.9	505.4	576.6	617.7
17.5°	801.2	801.2	898.5	823.7	696.4	554.1	550.4	614.0	554.1	516.7	512.9
20°	984.6	984.6	943.5	673.9	715.1	707.6	569.1	643.9	542.9	614.0	655.2
22.5°	819.9	816.2	846.1	834.9	685.1	722.6	584.0	587.8	647.7	554.1	475.5
25°	999.6	999.6	977.2	726.3	778.7	651.4	666.4	703.9	576.6	700.1	707.6
27.5°	861.1	857.4	816.2	831.1	726.3	797.4	606.5	662.7	707.6	756.3	831.1
30°	1052.0	1059.5	1040.8	790.0	808.7	760.0	722.6	767.5	857.4	1007.1	1055.8
32.5°	1299.1	1306.6	1108.2	950.9	812.4	924.7	775.0	846.1	984.6	1055.8	1108.2
35°	1445.1	1389.0	1302.9	1063.3	876.1	947.2	891.0	902.3	1025.8	1138.1	1175.6
37.5°	1568.7	1493.8	1392.7	1097.0	924.7	1022.1	928.5	943.5	1111.9	1213.0	1261.7
40°	1609.9	1564.9	1508.8	1171.8	984.6	1078.2	973.4	1007.1	1194.3	1310.4	1385.2
42.5°	1711.0	1714.7	1681.0	1276.7	1048.3	1138.1	1048.3	1070.8	1302.9	1445.1	1553.7
45°	1980.5	1988.0	1950.6	1456.4	1126.9	1243.0	1168.1	1179.3	1426.4	1651.1	1789.6
47.5°	2325.0	2298.7	2261.3	1696.0	1246.7	1362.8	1306.6	1295.4	1572.4	1920.6	2044.2
50°	2673.1	2624.5	2545.8	2025.4	1452.6	1486.3	1448.9	1441.4	1748.4	2197.7	2332.4
52.5°	3036.3	2998.9	2834.1	2336.2	1759.6	1666.0	1624.8	1666.0	1976.8	2504.7	2628.2
55°	3227.2	3189.8	3085.0	2669.4	2055.4	1898.2	1827.0	1901.9	2328.7	2792.9	2953.9
57.5°	3384.5	3373.2	3324.6	3017.6	2414.8	2145.2	2074.1	2145.2	2609.5	3062.5	3253.4
60°	3609.1	3564.2	3609.1	3354.5	2763.0	2448.5	2351.2	2426.0	2953.9	3298.4	3582.9
62.5°	3770.1	3758.9	3848.7	3732.7	3055.0	2766.7	2624.5	2695.6	3257.2	3549.2	3908.6
65°	3597.9	3654.0	4013.5	3979.8	3384.5	3092.5	2942.7	2920.2	3504.3	3818.8	4256.8
67.5°	3290.9	3328.3	3852.5	4107.0	3672.8	3421.9	3242.2	3137.4	3732.7	4062.1	4533.9
70°	2998.9	3043.8	3523.0	4114.5	3811.3	3845.0	3594.1	3399.5	3961.0	4335.4	4593.8
72.5°	2766.7	2807.9	3238.5	4024.7	3860.0	4268.0	3979.8	3676.5	4181.9	4342.9	4013.5
75°	1725.9	1755.9	2605.7	3601.6	3889.9	4649.9	4331.7	3934.8	4163.2	3740.1	2699.3
77.5°	531.6	542.9	1115.7	2377.4	3380.7	4612.5	4271.8	3699.0	3489.3	2373.6	1231.7
80°	183.5	187.2	288.3	846.1	2021.7	3500.5	3257.2	2721.8	2085.3	876.1	464.2
82.5°	86.1	93.6	134.8	284.5	823.7	1913.1	1924.4	1617.4	876.1	389.4	314.5
85°	30.0	30.0	56.2	123.5	318.2	737.5	700.1	651.4	460.5	351.9	292.0
87.5°	11.2	11.2	18.7	33.7	78.6	157.2	198.4	243.4	243.4	247.1	295.8
90°	11.2	11.2	7.5	7.5	56.2	164.7	198.4	220.9	202.2	224.6	322.0
92.5°	11.2	11.2	7.5	7.5	59.9	190.9	220.9	239.6	213.4	239.6	355.7
95°	11.2	11.2	7.5	7.5	67.4	232.1	258.3	254.6	213.4	250.8	381.9
97.5°	15.0	15.0	7.5	3.7	59.9	247.1	277.0	269.6	183.5	190.9	299.5
100°	15.0	15.0	7.5	3.7	37.4	183.5	220.9	217.1	119.8	30.0	86.1
102.5°	15.0	15.0	7.5	3.7	7.5	86.1	104.8	108.6	71.1	11.2	15.0
105°	18.7	18.7	7.5	3.7	3.7	15.0	33.7	44.9	26.2	7.5	15.0
107.5°	18.7	18.7	7.5	3.7	3.7	7.5	7.5	11.2	11.2	7.5	18.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	15.0	15.0	3.7	7.5	3.7	3.7	3.7	3.7	3.7	7.5	18.7
115°	7.5	7.5	3.7	3.7	0.0	3.7	3.7	3.7	3.7	7.5	15.0
117.5°	3.7	3.7	0.0	3.7	0.0	3.7	3.7	3.7	7.5	7.5	18.7
120°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	11.2	22.5
122.5°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	11.2	22.5
125°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	11.2	22.5
127.5°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	11.2	18.7
130°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	7.5	15.0
132.5°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	7.5	11.2
135°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	7.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
145°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	11.2	11.2	7.5	3.7	0.0	0.0	3.7	3.7	3.7	3.7	3.7
152.5°	7.5	7.5	11.2	3.7	0.0	0.0	3.7	3.7	7.5	3.7	3.7
155°	7.5	7.5	3.7	0.0	0.0	0.0	0.0	3.7	3.7	7.5	7.5
157.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
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°	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4
2.5°	790.0	786.2	775.0	767.5	756.3	745.0	688.9	655.2	651.4	647.7	651.4
5°	775.0	763.8	745.0	658.9	617.7	580.3	569.1	561.6	542.9	542.9	546.6
7.5°	670.2	662.7	602.8	576.6	542.9	509.2	479.2	456.8	400.6	381.9	374.4
10°	587.8	572.8	468.0	415.6	381.9	344.4	344.4	314.5	299.5	288.3	284.5
12.5°	509.2	497.9	411.8	378.1	284.5	247.1	228.4	209.7	198.4	190.9	187.2
15°	595.3	576.6	441.8	303.3	209.7	176.0	138.5	134.8	168.5	176.0	179.7
17.5°	475.5	486.7	393.1	265.8	172.2	108.6	119.8	142.3	161.0	161.0	157.2
20°	632.7	606.5	426.8	213.4	123.5	108.6	116.1	104.8	149.8	161.0	161.0
22.5°	460.5	438.0	351.9	198.4	97.3	104.8	97.3	123.5	138.5	123.5	127.3
25°	685.1	651.4	408.1	138.5	101.1	89.9	112.3	97.3	134.8	146.0	149.8
27.5°	849.9	737.5	400.6	131.0	89.9	101.1	93.6	112.3	108.6	116.1	116.1
30°	1014.6	950.9	453.0	119.8	89.9	86.1	97.3	97.3	123.5	134.8	134.8
32.5°	1085.7	1010.9	396.9	116.1	89.9	86.1	86.1	104.8	116.1	138.5	138.5
35°	1160.6	1059.5	333.2	108.6	86.1	82.4	82.4	104.8	123.5	138.5	142.3
37.5°	1261.7	1111.9	269.6	104.8	82.4	78.6	71.1	93.6	131.0	146.0	149.8
40°	1389.0	1186.8	209.7	97.3	74.9	71.1	67.4	93.6	112.3	131.0	131.0
42.5°	1587.4	1269.2	164.7	93.6	71.1	63.6	63.6	78.6	108.6	123.5	123.5
45°	1789.6	1366.5	138.5	89.9	67.4	59.9	59.9	78.6	82.4	104.8	104.8
47.5°	2014.2	1463.9	127.3	86.1	67.4	52.4	52.4	71.1	71.1	97.3	101.1
50°	2246.3	1546.2	119.8	82.4	59.9	48.7	59.9	48.7	59.9	93.6	101.1
52.5°	2448.5	1613.6	112.3	74.9	56.2	44.9	56.2	48.7	59.9	86.1	86.1
55°	2654.4	1651.1	108.6	71.1	52.4	37.4	56.2	52.4	56.2	78.6	78.6
57.5°	2837.9	1662.3	104.8	71.1	44.9	33.7	52.4	63.6	48.7	63.6	71.1
60°	3002.6	1651.1	93.6	63.6	33.7	33.7	56.2	74.9	67.4	74.9	74.9
62.5°	3156.1	1609.9	74.9	52.4	26.2	33.7	71.1	82.4	63.6	78.6	86.1
65°	3287.1	1553.7	56.2	41.2	18.7	37.4	74.9	93.6	74.9	89.9	97.3
67.5°	3347.0	1478.8	44.9	33.7	18.7	41.2	78.6	104.8	86.1	101.1	108.6
70°	3246.0	1325.3	37.4	33.7	15.0	48.7	82.4	112.3	97.3	127.3	131.0
72.5°	2695.6	1040.8	33.7	33.7	26.2	59.9	104.8	127.3	119.8	172.2	168.5
75°	1785.8	569.1	33.7	30.0	33.7	71.1	127.3	149.8	131.0	194.7	194.7
77.5°	823.7	250.8	30.0	33.7	37.4	78.6	146.0	179.7	149.8	220.9	217.1
80°	359.4	153.5	30.0	30.0	41.2	86.1	164.7	202.2	164.7	243.4	243.4
82.5°	269.6	138.5	26.2	30.0	56.2	97.3	190.9	224.6	183.5	262.1	258.3
85°	250.8	131.0	30.0	33.7	63.6	123.5	224.6	243.4	190.9	269.6	269.6
87.5°	254.6	127.3	30.0	33.7	86.1	157.2	254.6	262.1	209.7	284.5	284.5
90°	262.1	131.0	33.7	37.4	97.3	172.2	284.5	280.8	235.9	299.5	299.5
92.5°	280.8	131.0	37.4	41.2	104.8	190.9	310.7	288.3	254.6	310.7	303.3
95°	292.0	131.0	41.2	44.9	123.5	209.7	329.5	280.8	269.6	288.3	280.8
97.5°	217.1	97.3	48.7	52.4	127.3	235.9	303.3	239.6	176.0	172.2	176.0
100°	71.1	33.7	52.4	56.2	82.4	164.7	224.6	172.2	93.6	71.1	71.1
102.5°	18.7	18.7	48.7	52.4	44.9	71.1	131.0	112.3	63.6	3.7	7.5
105°	18.7	15.0	30.0	41.2	26.2	18.7	52.4	63.6	48.7	3.7	3.7
107.5°	18.7	15.0	15.0	22.5	7.5	7.5	15.0	15.0	15.0	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.5	15.0	7.5	7.5	7.5	3.7	3.7	3.7	3.7	11.2	15.0
115°	18.7	15.0	3.7	7.5	3.7	3.7	3.7	3.7	7.5	15.0	18.7
117.5°	18.7	15.0	3.7	3.7	3.7	3.7	3.7	3.7	7.5	18.7	22.5
120°	22.5	18.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	22.5	22.5
122.5°	22.5	18.7	3.7	3.7	3.7	3.7	0.0	3.7	11.2	22.5	22.5
125°	22.5	18.7	3.7	3.7	3.7	0.0	0.0	3.7	11.2	22.5	26.2
127.5°	18.7	15.0	3.7	3.7	3.7	0.0	0.0	3.7	7.5	18.7	22.5
130°	15.0	11.2	3.7	3.7	3.7	0.0	0.0	0.0	7.5	18.7	18.7
132.5°	11.2	7.5	3.7	3.7	3.7	0.0	0.0	0.0	7.5	15.0	15.0
135°	7.5	7.5	3.7	3.7	3.7	0.0	0.0	0.0	3.7	11.2	11.2
137.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
140°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	7.5	7.5	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	3.7	3.7	3.7	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



Report Generated By 670245982



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110° | 18.7 18.7 7.5 7.5 3.7 3.7 3.7 3.7 7.5 7.5 18.7



110°	18.7	15.0	7.5	7.5	7.5	7.5	7.5	3.7	3.7	7.5	7.5
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(END OF REPORT)