

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: P560559

Luminaire Tested: **SDL-PA1-50-740-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-740-U-T2R
Description: Springdale
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6373.8 lumens
Efficiency: N/A
Efficacy: 121.6 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 - U0 - 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

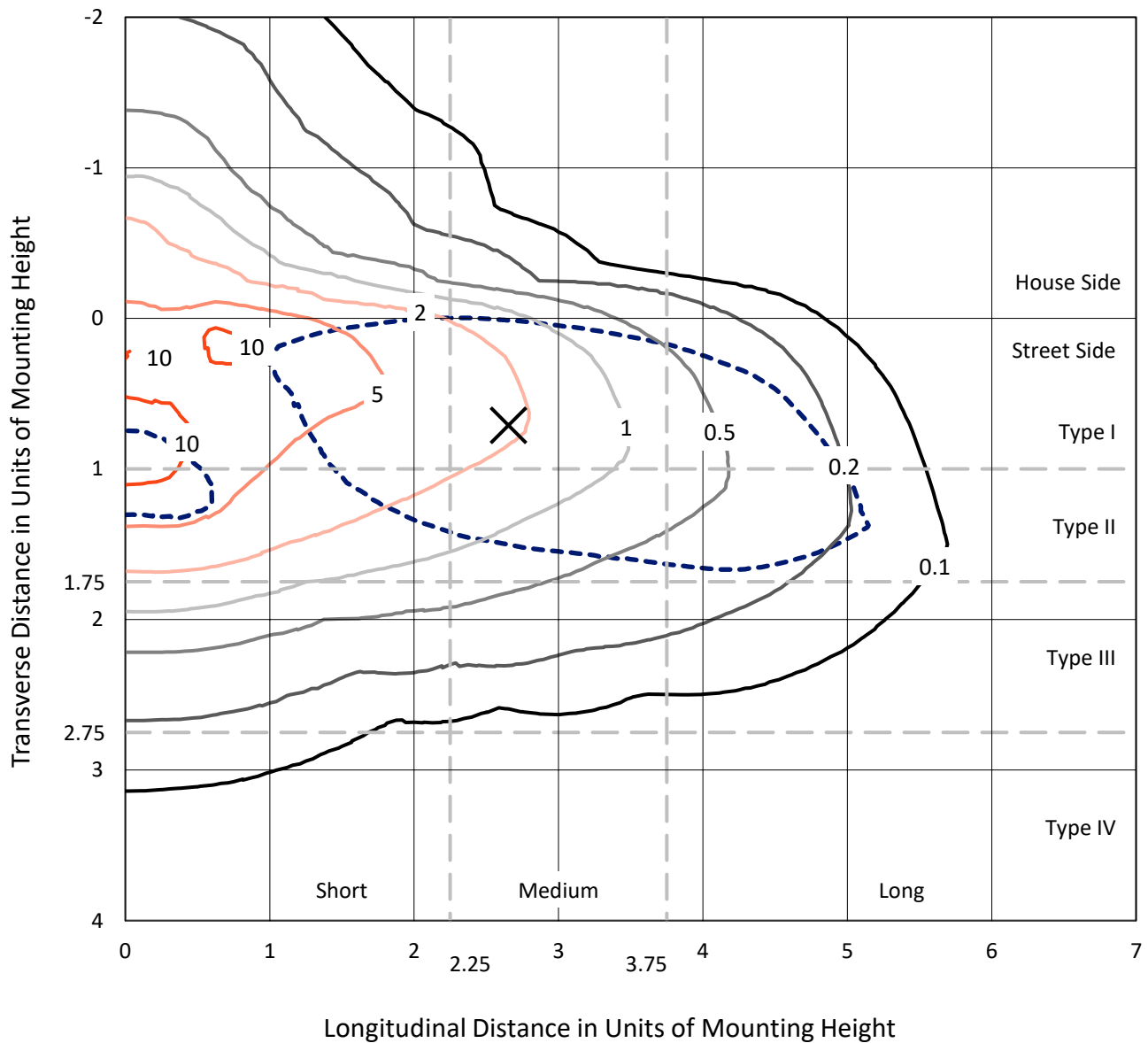


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Iso-Footcandle Lines of Horizontal Illumination

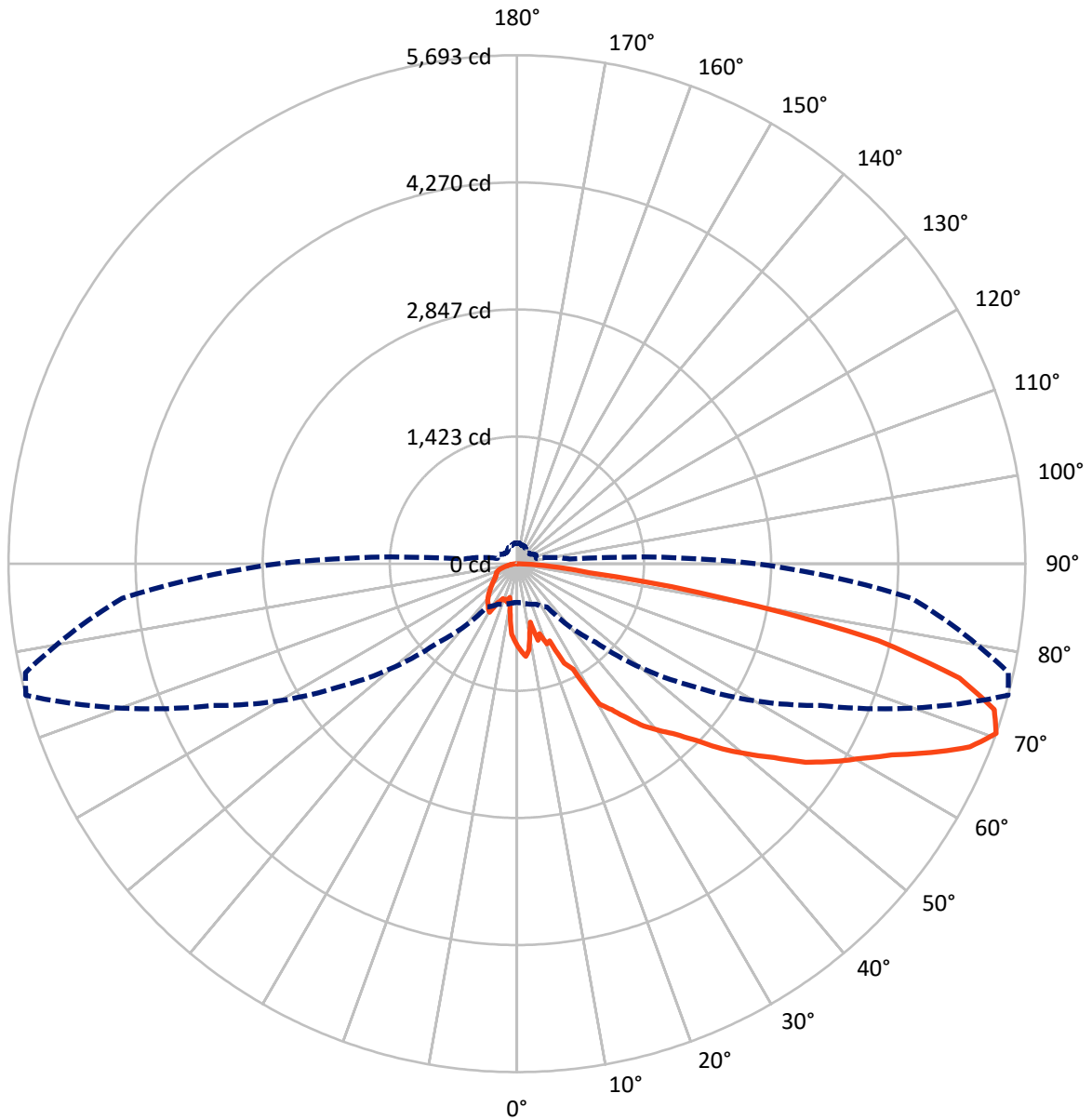
× Max cd
- - - 1/2 Max cd



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Luminous Intensity Polar Plot



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

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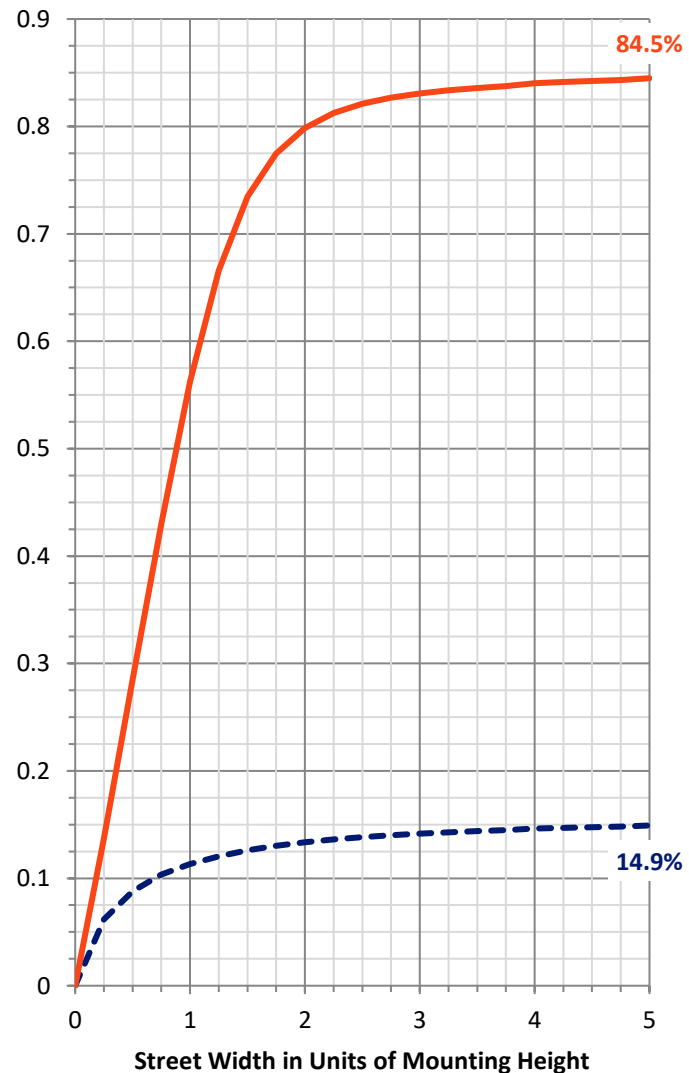
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	969.6	0.0	969.6
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5404.2	0.0	5404.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	6373.8	0.0	6373.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	1.2
10°-20°	202.5	3.2
20°-30°	370.2	5.8
30°-40°	751.5	11.8
40°-50°	1153.4	18.1
50°-60°	1390.4	21.8
60°-70°	1344.7	21.1
70°-80°	932.7	14.6
80°-90°	152.3	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6373.8	100.0
0°-180°	6373.8	100.0



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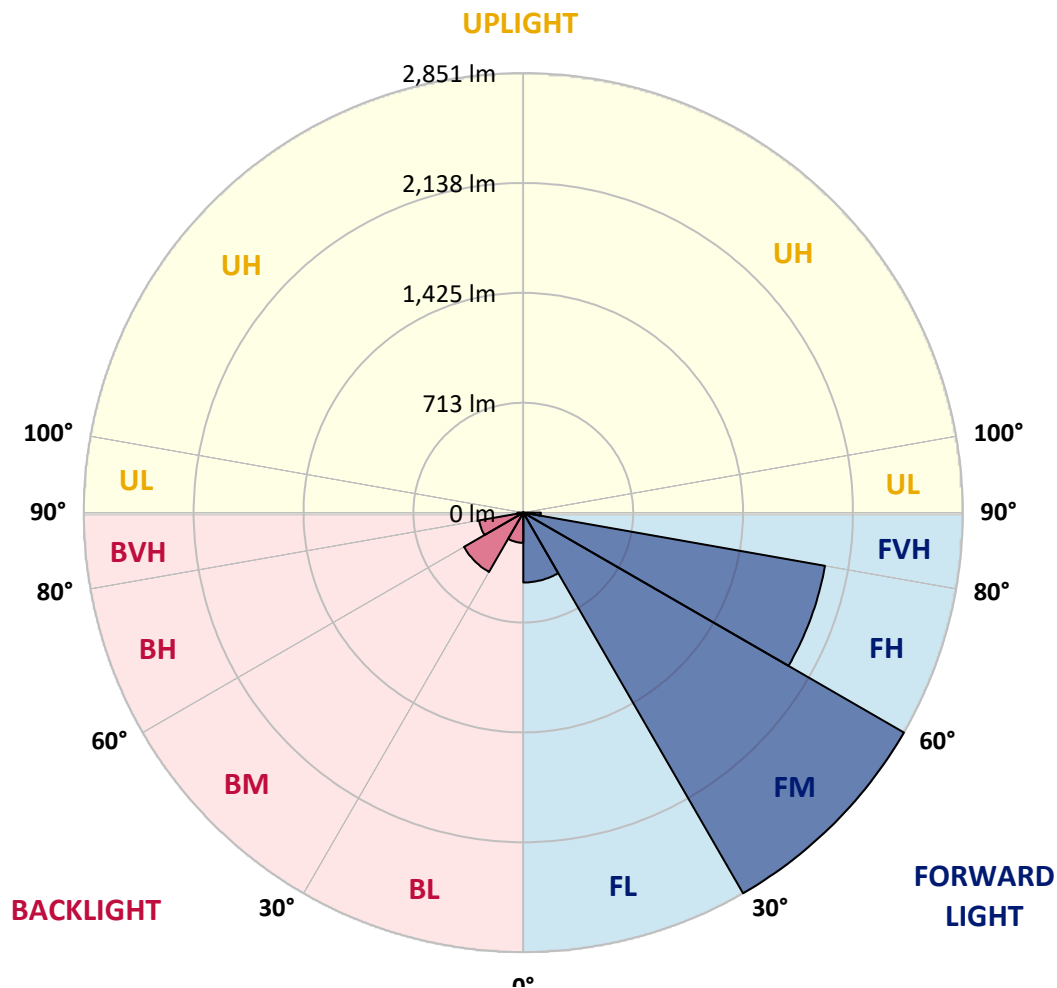
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	453.1	7.1			
FM	(30°-60°)	2850.5	44.7			
FH	(60°-80°)	1986.6	31.2			G2/5000
FVH	(80°-90°)	114.1	1.8			G2/225
BL	(0°-30°)	195.8	3.1	B1/500		
BM	(30°-60°)	444.7	7.0	B1/1000		
BH	(60°-80°)	290.8	4.6	B1/500		G1/500
BVH	(80°-90°)	38.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	921.1	921.1	921.1	921.1	921.1	921.1	921.1	921.1	921.1	921.1	921.1
2.5°	956.3	1047.7	1003.2	1054.7	1080.5	1064.1	1050.0	1014.9	984.4	972.7	942.2
5°	1054.7	1052.4	1040.7	1036.0	1014.9	989.1	968.0	1085.2	1043.0	1021.9	968.0
7.5°	935.2	1014.9	1073.5	1104.0	1104.0	1073.5	1040.7	897.7	970.4	951.6	874.3
10°	1174.3	1174.3	1171.9	1174.3	963.3	1014.9	871.9	811.0	785.2	846.1	785.2
12.5°	998.5	1085.2	1183.6	1218.8	1122.7	958.6	893.0	857.9	672.7	658.6	696.1
15°	1174.3	1181.3	1190.7	1047.7	890.7	1017.2	778.2	771.1	890.7	869.6	878.9
17.5°	942.2	951.6	1155.5	1129.7	1036.0	771.1	970.4	867.2	822.7	794.6	792.2
20°	1188.3	1193.0	1190.7	893.0	956.3	1050.0	1005.5	764.1	958.6	970.4	982.1
22.5°	1005.5	1007.9	1019.6	1136.8	968.0	1094.6	907.1	1139.1	939.9	968.0	731.3
25°	1352.4	1352.4	1310.2	1024.3	1171.9	998.5	1104.0	979.7	1232.9	1200.1	1099.3
27.5°	1261.0	1251.6	1202.4	1268.0	1057.1	1263.3	1092.2	1230.5	1338.3	1291.5	1333.7
30°	1772.0	1783.7	1720.4	1317.2	1286.8	1211.8	1258.6	1457.9	1821.2	1795.4	1603.2
32.5°	2372.0	2261.8	1973.5	1706.3	1406.3	1479.0	1406.3	1720.4	1950.1	1954.8	1697.0
35°	2662.6	2653.2	2529.0	2013.4	1617.3	1617.3	1577.4	1795.4	2116.5	2086.0	1797.7
37.5°	2894.7	2880.6	2793.9	2275.9	1807.1	1797.7	1668.8	1910.2	2306.4	2229.0	1907.9
40°	3091.5	3072.8	2997.8	2458.7	2013.4	1968.8	1781.3	2041.5	2454.0	2461.0	2013.4
42.5°	3222.8	3215.8	3161.9	2625.1	2184.5	2104.8	1931.3	2210.3	2611.1	2650.9	2144.6
45°	3325.9	3323.6	3276.7	2807.9	2306.4	2229.0	2090.7	2336.8	2826.7	2850.1	2285.3
47.5°	3337.6	3347.0	3347.0	2899.3	2390.7	2339.2	2254.8	2449.3	3100.9	3051.7	2449.3
50°	3215.8	3225.1	3283.7	3051.7	2463.4	2430.6	2395.4	2585.3	3351.7	3279.1	2622.8
52.5°	2904.0	2925.1	3084.5	2976.7	2500.9	2498.5	2526.7	2761.1	3607.2	3529.8	2852.5
55°	2233.7	2247.8	2643.9	2756.4	2489.2	2515.0	2625.1	2979.0	3923.6	3855.6	3093.9
57.5°	1706.3	1746.2	1994.6	2339.2	2360.3	2500.9	2688.4	3131.4	4179.1	4111.1	3316.6
60°	1373.5	1401.6	1546.9	1849.3	2083.7	2440.0	2775.1	3321.2	4427.5	4394.7	3555.6
62.5°	1075.8	1094.6	1195.4	1394.6	1692.3	2297.0	2829.0	3527.5	4713.5	4697.1	3867.4
65°	771.1	789.9	878.9	1010.2	1307.9	2027.4	2803.3	3724.4	5097.9	5081.5	4169.7
67.5°	562.5	567.2	625.8	714.9	928.2	1640.7	2676.7	3848.6	5472.9	5440.1	4401.8
70°	433.6	438.3	466.4	499.2	593.0	1242.2	2381.4	3754.9	5693.2	5637.0	4436.9
72.5°	351.6	351.6	363.3	379.7	405.5	811.0	1870.4	3386.9	5590.1	5479.9	4143.9
75°	295.3	295.3	302.4	297.7	283.6	506.3	1300.8	2829.0	5119.0	4980.7	3607.2
77.5°	248.4	246.1	246.1	248.4	220.3	344.5	794.6	2179.8	4136.9	4003.3	2674.3
80°	203.9	203.9	203.9	203.9	180.5	246.1	473.5	1446.2	2376.7	2074.3	1225.8
82.5°	150.0	152.4	159.4	159.4	150.0	180.5	246.1	604.7	813.3	719.6	433.6
85°	70.3	72.7	93.8	98.4	96.1	89.1	128.9	271.9	379.7	344.5	100.8
87.5°	2.3	2.3	9.4	21.1	18.8	14.1	25.8	37.5	14.1	16.4	11.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	921.1	921.1	921.1	921.1	921.1	921.1	921.1	921.1	921.1	921.1	921.1
2.5°	921.1	900.0	850.8	808.6	764.1	733.6	665.7	616.4	590.7	586.0	593.0
5°	925.8	878.9	780.5	656.3	562.5	539.1	529.7	527.4	525.0	525.0	525.0
7.5°	815.7	754.7	607.1	515.6	529.7	529.7	529.7	522.7	480.5	461.7	461.7
10°	719.6	639.9	452.4	417.2	419.5	440.6	496.9	555.5	567.2	569.6	571.9
12.5°	623.5	546.1	384.4	405.5	365.6	433.6	513.3	571.9	515.6	487.5	487.5
15°	785.2	675.0	445.3	356.3	361.0	433.6	391.4	529.7	567.2	569.6	571.9
17.5°	707.8	595.3	414.9	375.0	396.1	330.5	447.7	501.6	461.7	457.1	452.4
20°	860.2	707.8	433.6	372.7	370.3	400.8	379.7	379.7	515.6	515.6	515.6
22.5°	637.5	525.0	421.9	419.5	353.9	396.1	377.4	421.9	405.5	398.5	398.5
25°	935.2	740.7	461.7	368.0	379.7	349.2	389.1	346.9	428.9	433.6	433.6
27.5°	1122.7	869.6	501.6	407.8	349.2	375.0	321.1	349.2	330.5	332.8	332.8
30°	1338.3	1019.6	623.5	426.6	358.6	309.4	318.8	302.4	358.6	351.6	349.2
32.5°	1396.9	1029.0	600.0	452.4	349.2	311.7	288.3	311.7	332.8	363.3	363.3
35°	1464.9	1038.3	567.2	431.3	342.2	290.6	286.0	311.7	337.5	328.1	328.1
37.5°	1528.2	1045.4	541.4	405.5	314.1	283.6	283.6	288.3	314.1	300.0	300.0
40°	1600.9	1047.7	511.0	377.4	290.6	278.9	262.5	267.2	269.5	260.2	257.8
42.5°	1682.9	1045.4	475.8	351.6	269.5	260.2	248.4	248.4	255.5	253.1	250.8
45°	1772.0	1043.0	438.3	321.1	246.1	234.4	227.4	255.5	267.2	267.2	262.5
47.5°	1879.8	1043.0	403.1	286.0	229.7	210.9	206.3	236.7	260.2	264.9	269.5
50°	2004.0	1038.3	370.3	260.2	213.3	196.9	203.9	234.4	253.1	260.2	257.8
52.5°	2165.7	1029.0	342.2	239.1	201.6	180.5	192.2	227.4	250.8	253.1	250.8
55°	2306.4	996.1	314.1	229.7	192.2	171.1	185.2	225.0	246.1	246.1	246.1
57.5°	2425.9	949.3	290.6	222.7	189.9	168.8	182.8	222.7	236.7	243.8	243.8
60°	2571.2	890.7	274.2	220.3	187.5	166.4	180.5	220.3	232.0	241.4	241.4
62.5°	2721.2	841.4	264.9	220.3	180.5	168.8	180.5	220.3	229.7	241.4	239.1
65°	2843.1	778.2	255.5	225.0	178.1	168.8	180.5	220.3	227.4	239.1	239.1
67.5°	2836.1	691.4	243.8	236.7	180.5	171.1	180.5	218.0	222.7	239.1	234.4
70°	2676.7	590.7	225.0	234.4	187.5	171.1	178.1	210.9	213.3	234.4	227.4
72.5°	2388.4	478.1	199.2	220.3	187.5	173.4	173.4	201.6	201.6	225.0	210.9
75°	1999.3	368.0	164.1	194.5	178.1	178.1	164.1	189.9	185.2	199.2	185.2
77.5°	1490.7	278.9	126.6	161.7	161.7	175.8	157.0	175.8	168.8	171.1	164.1
80°	621.1	168.8	96.1	126.6	138.3	171.1	150.0	159.4	143.0	143.0	138.3
82.5°	257.8	107.8	65.6	79.7	93.8	152.4	143.0	135.9	117.2	107.8	100.8
85°	93.8	58.6	44.5	53.9	60.9	105.5	103.1	86.7	68.0	75.0	60.9
87.5°	7.0	9.4	9.4	11.7	11.7	14.1	23.4	23.4	14.1	11.7	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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



Report Generated By 670245982



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110°	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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110°	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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(END OF REPORT)