

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: P560647

Luminaire Tested: **SDL-PA1-50-830-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560647
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-PA1-50-830-U-T2R
Description: Springdale
(1) 80 CRI, 3000K, 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: 5064.9 lumens
Efficiency: N/A
Efficacy: 96.7 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 - G1

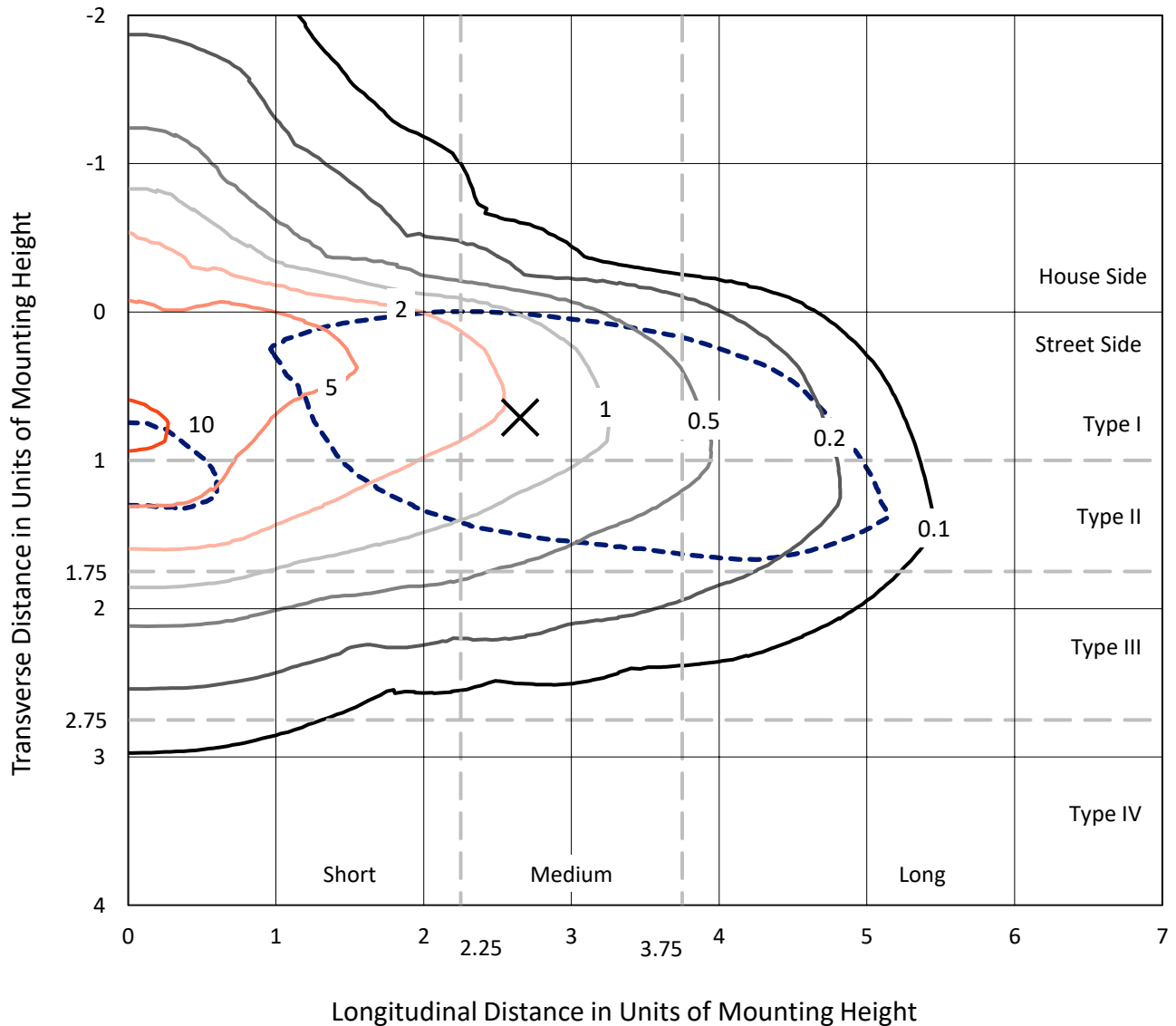
Input Watts (W): 52.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

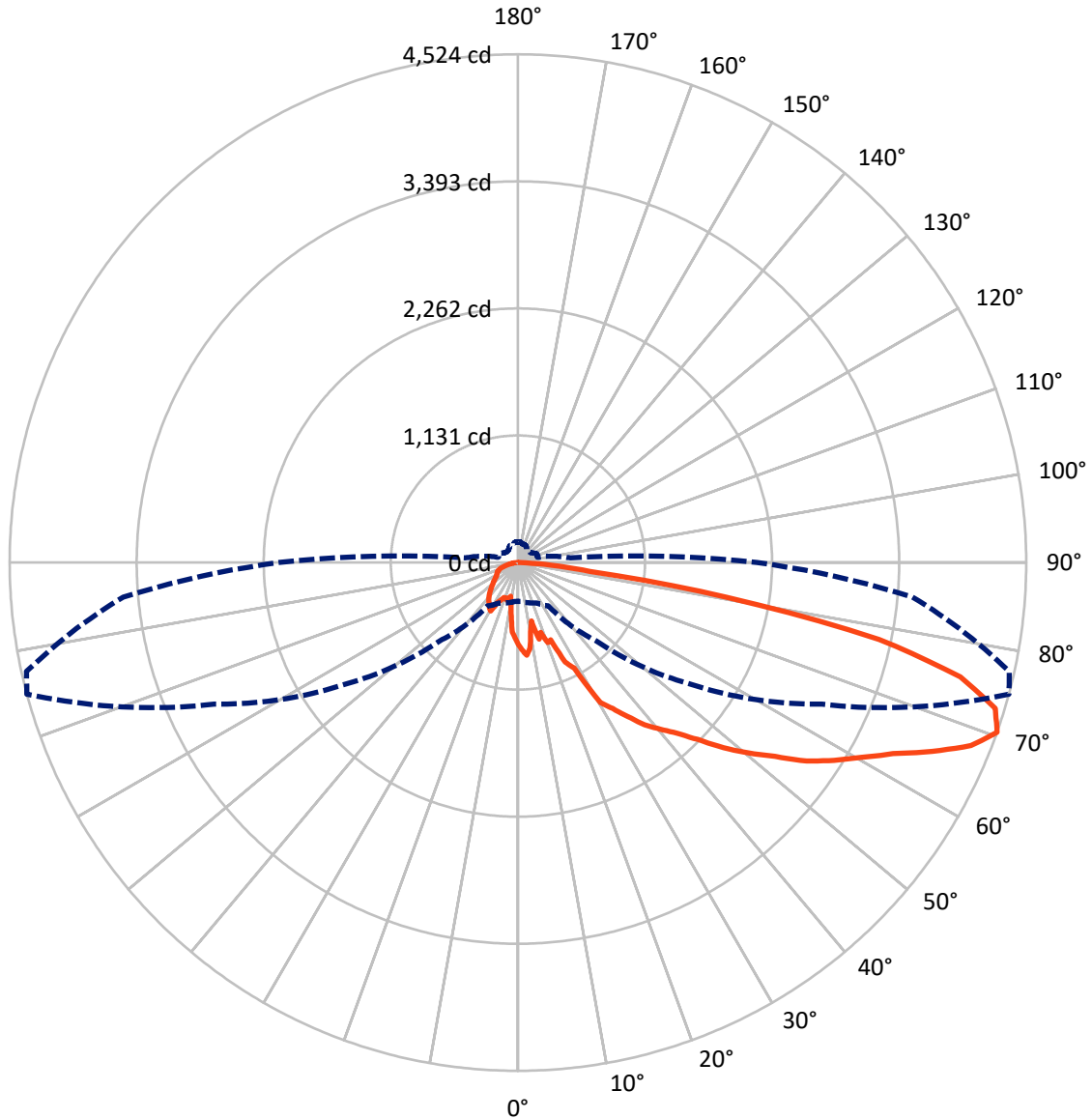
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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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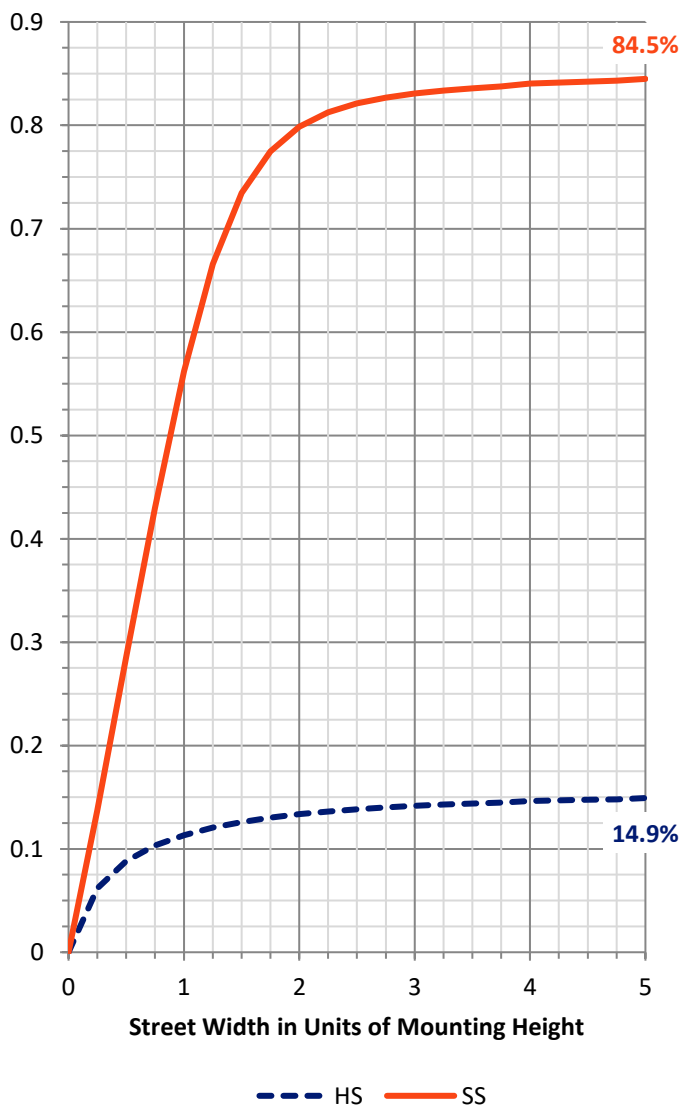
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	770.5	0.0	770.5
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	4294.4	0.0	4294.4
	% Fixture	84.8	0.0	84.8
Total	Lumens	5064.9	0.0	5064.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	1.2
10°-20°	160.9	3.2
20°-30°	294.2	5.8
30°-40°	597.2	11.8
40°-50°	916.5	18.1
50°-60°	1104.9	21.8
60°-70°	1068.5	21.1
70°-80°	741.2	14.6
80°-90°	121.0	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°	5064.9	100.0
0°-180°	5064.9	100.0

Coefficient of Utilization



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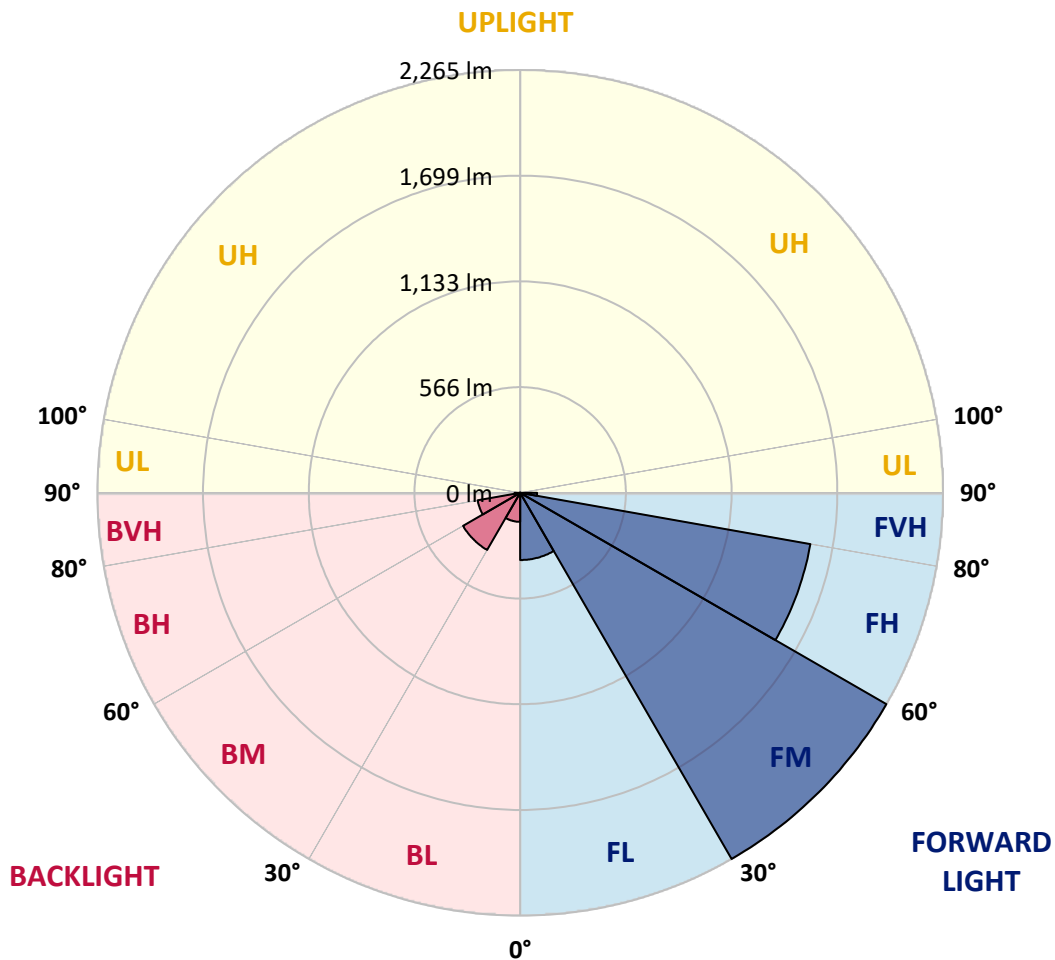
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.0	7.1			
FM (30°-60°)	2265.2	44.7			
FH (60°-80°)	1578.6	31.2			G1/1800
FVH (80°-90°)	90.6	1.8			G1/100
BL (0°-30°)	155.6	3.1	B1/500		
BM (30°-60°)	353.4	7.0	B1/1000		
BH (60°-80°)	231.1	4.6	B1/500		G1/500
BVH (80°-90°)	30.4	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-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	732.0	732.0	732.0	732.0	732.0	732.0	732.0	732.0	732.0	732.0	732.0
2.5°	759.9	832.5	797.2	838.1	858.6	845.6	834.4	806.5	782.3	772.9	748.7
5°	838.1	836.3	827.0	823.2	806.5	786.0	769.2	862.4	828.8	812.1	769.2
7.5°	743.1	806.5	853.0	877.3	877.3	853.0	827.0	713.3	771.1	756.2	694.7
10°	933.1	933.1	931.3	933.1	765.5	806.5	692.9	644.4	623.9	672.4	623.9
12.5°	793.4	862.4	940.6	968.5	892.2	761.8	709.6	681.7	534.5	523.4	553.2
15°	933.1	938.7	946.2	832.5	707.8	808.3	618.4	612.8	707.8	691.0	698.4
17.5°	748.7	756.2	918.2	897.7	823.2	612.8	771.1	689.1	653.7	631.4	629.5
20°	944.3	948.0	946.2	709.6	759.9	834.4	799.0	607.2	761.8	771.1	780.4
22.5°	799.0	800.9	810.2	903.3	769.2	869.8	720.8	905.2	746.9	769.2	581.1
25°	1074.7	1074.7	1041.2	813.9	931.3	793.4	877.3	778.5	979.7	953.6	873.5
27.5°	1002.0	994.6	955.5	1007.6	840.0	1003.9	867.9	977.8	1063.5	1026.3	1059.8
30°	1408.1	1417.4	1367.1	1046.7	1022.5	962.9	1000.2	1158.5	1447.2	1426.7	1274.0
32.5°	1884.9	1797.3	1568.2	1355.9	1117.5	1175.3	1117.5	1367.1	1549.6	1553.3	1348.5
35°	2115.8	2108.4	2009.7	1599.9	1285.1	1285.1	1253.5	1426.7	1681.9	1657.6	1428.6
37.5°	2300.2	2289.0	2220.1	1808.5	1436.0	1428.6	1326.1	1518.0	1832.7	1771.3	1516.1
40°	2456.7	2441.8	2382.2	1953.8	1599.9	1564.5	1415.5	1622.3	1950.1	1955.7	1599.9
42.5°	2561.0	2555.4	2512.5	2086.0	1735.9	1672.5	1534.7	1756.4	2074.9	2106.5	1704.2
45°	2642.9	2641.1	2603.8	2231.3	1832.7	1771.3	1661.4	1856.9	2246.2	2264.8	1816.0
47.5°	2652.2	2659.7	2659.7	2303.9	1899.8	1858.8	1791.8	1946.3	2464.1	2425.0	1946.3
50°	2555.4	2562.8	2609.4	2425.0	1957.5	1931.4	1903.5	2054.4	2663.4	2605.7	2084.2
52.5°	2307.7	2324.4	2451.1	2365.4	1987.3	1985.5	2007.8	2194.1	2866.4	2805.0	2266.7
55°	1775.0	1786.2	2100.9	2190.3	1978.0	1998.5	2086.0	2367.3	3117.9	3063.9	2458.5
57.5°	1355.9	1387.6	1585.0	1858.8	1875.6	1987.3	2136.3	2488.3	3320.9	3266.9	2635.5
60°	1091.4	1113.8	1229.3	1469.5	1655.8	1938.9	2205.2	2639.2	3518.3	3492.2	2825.5
62.5°	854.9	869.8	949.9	1108.2	1344.7	1825.3	2248.1	2803.1	3745.5	3732.5	3073.2
65°	612.8	627.7	698.4	802.7	1039.3	1611.1	2227.6	2959.6	4051.0	4038.0	3313.4
67.5°	447.0	450.7	497.3	568.1	737.6	1303.8	2127.0	3058.3	4349.0	4322.9	3497.8
70°	344.6	348.3	370.6	396.7	471.2	987.1	1892.3	2983.8	4524.1	4479.4	3525.8
72.5°	279.4	279.4	288.7	301.7	322.2	644.4	1486.3	2691.4	4442.1	4354.6	3292.9
75°	234.7	234.7	240.3	236.5	225.4	402.3	1033.7	2248.1	4067.8	3957.9	2866.4
77.5°	197.4	195.6	195.6	197.4	175.1	273.8	631.4	1732.2	3287.4	3181.2	2125.1
80°	162.0	162.0	162.0	162.0	143.4	195.6	376.2	1149.2	1888.6	1648.3	974.1
82.5°	119.2	121.1	126.7	126.7	119.2	143.4	195.6	480.5	646.3	571.8	344.6
85°	55.9	57.7	74.5	78.2	76.4	70.8	102.4	216.1	301.7	273.8	80.1
87.5°	1.9	1.9	7.5	16.8	14.9	11.2	20.5	29.8	11.2	13.0	9.3
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
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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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°	732.0	732.0	732.0	732.0	732.0	732.0	732.0	732.0	732.0	732.0	732.0
2.5°	732.0	715.2	676.1	642.6	607.2	583.0	529.0	489.8	469.4	465.6	471.2
5°	735.7	698.4	620.2	521.5	447.0	428.4	420.9	419.1	417.2	417.2	417.2
7.5°	648.2	599.7	482.4	409.8	420.9	420.9	420.9	415.3	381.8	366.9	366.9
10°	571.8	508.5	359.5	331.5	333.4	350.2	394.9	441.4	450.7	452.6	454.5
12.5°	495.4	434.0	305.5	322.2	290.6	344.6	407.9	454.5	409.8	387.4	387.4
15°	623.9	536.4	353.9	283.1	286.8	344.6	311.0	420.9	450.7	452.6	454.5
17.5°	562.5	473.1	329.7	298.0	314.8	262.6	355.7	398.6	366.9	363.2	359.5
20°	683.5	562.5	344.6	296.1	294.3	318.5	301.7	301.7	409.8	409.8	409.8
22.5°	506.6	417.2	335.3	333.4	281.2	314.8	299.9	335.3	322.2	316.6	316.6
25°	743.1	588.6	366.9	292.4	301.7	277.5	309.2	275.7	340.8	344.6	344.6
27.5°	892.2	691.0	398.6	324.1	277.5	298.0	255.2	277.5	262.6	264.5	264.5
30°	1063.5	810.2	495.4	339.0	285.0	245.9	253.3	240.3	285.0	279.4	277.5
32.5°	1110.1	817.6	476.8	359.5	277.5	247.7	229.1	247.7	264.5	288.7	288.7
35°	1164.1	825.1	450.7	342.7	271.9	231.0	227.2	247.7	268.2	260.8	260.8
37.5°	1214.4	830.7	430.2	322.2	249.6	225.4	225.4	229.1	249.6	238.4	238.4
40°	1272.1	832.5	406.0	299.9	231.0	221.6	208.6	212.3	214.2	206.7	204.9
42.5°	1337.3	830.7	378.1	279.4	214.2	206.7	197.4	197.4	203.0	201.2	199.3
45°	1408.1	828.8	348.3	255.2	195.6	186.3	180.7	203.0	212.3	212.3	208.6
47.5°	1493.7	828.8	320.4	227.2	182.5	167.6	163.9	188.1	206.7	210.5	214.2
50°	1592.5	825.1	294.3	206.7	169.5	156.5	162.0	186.3	201.2	206.7	204.9
52.5°	1721.0	817.6	271.9	190.0	160.2	143.4	152.7	180.7	199.3	201.2	199.3
55°	1832.7	791.6	249.6	182.5	152.7	136.0	147.1	178.8	195.6	195.6	195.6
57.5°	1927.7	754.3	231.0	176.9	150.9	134.1	145.3	176.9	188.1	193.7	193.7
60°	2043.2	707.8	217.9	175.1	149.0	132.2	143.4	175.1	184.4	191.8	191.8
62.5°	2162.4	668.6	210.5	175.1	143.4	134.1	143.4	175.1	182.5	191.8	190.0
65°	2259.2	618.4	203.0	178.8	141.6	134.1	143.4	175.1	180.7	190.0	190.0
67.5°	2253.7	549.4	193.7	188.1	143.4	136.0	143.4	173.2	176.9	190.0	186.3
70°	2127.0	469.4	178.8	186.3	149.0	136.0	141.6	167.6	169.5	186.3	180.7
72.5°	1897.9	380.0	158.3	175.1	149.0	137.8	137.8	160.2	160.2	178.8	167.6
75°	1588.7	292.4	130.4	154.6	141.6	141.6	130.4	150.9	147.1	158.3	147.1
77.5°	1184.6	221.6	100.6	128.5	128.5	139.7	124.8	139.7	134.1	136.0	130.4
80°	493.6	134.1	76.4	100.6	109.9	136.0	119.2	126.7	113.6	113.6	109.9
82.5°	204.9	85.7	52.2	63.3	74.5	121.1	113.6	108.0	93.1	85.7	80.1
85°	74.5	46.6	35.4	42.8	48.4	83.8	82.0	68.9	54.0	59.6	48.4
87.5°	5.6	7.5	7.5	9.3	9.3	11.2	18.6	18.6	11.2	9.3	5.6
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
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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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

(END OF REPORT)