

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: P561026

Luminaire Tested: **SDL-PA1-80-722-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-722-U-T3-A
Description: Springdale
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6422.5 lumens
Efficiency: N/A
Efficacy: 78.3 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: B2 - U3 - G3

Input Watts (W): 82
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

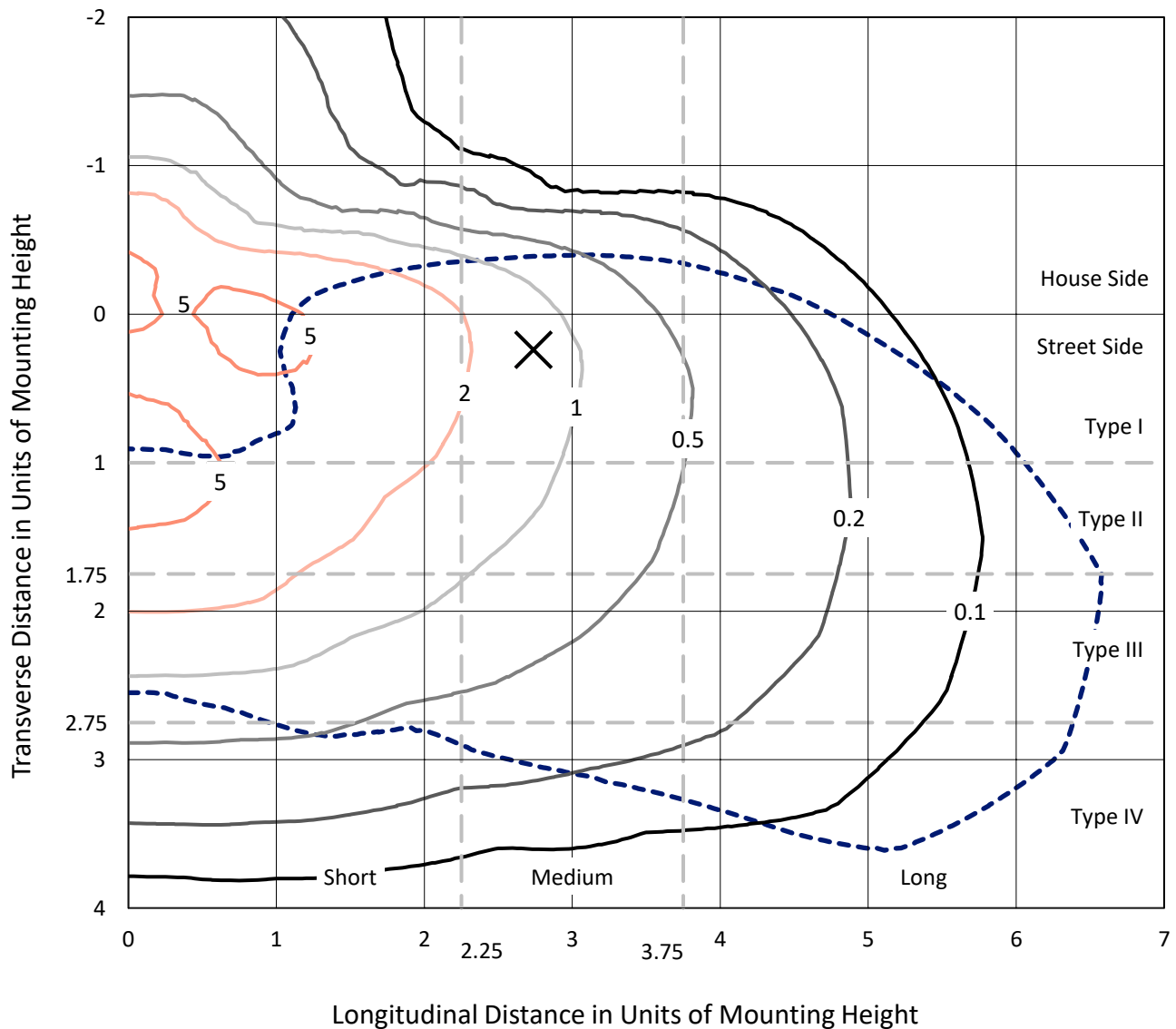


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

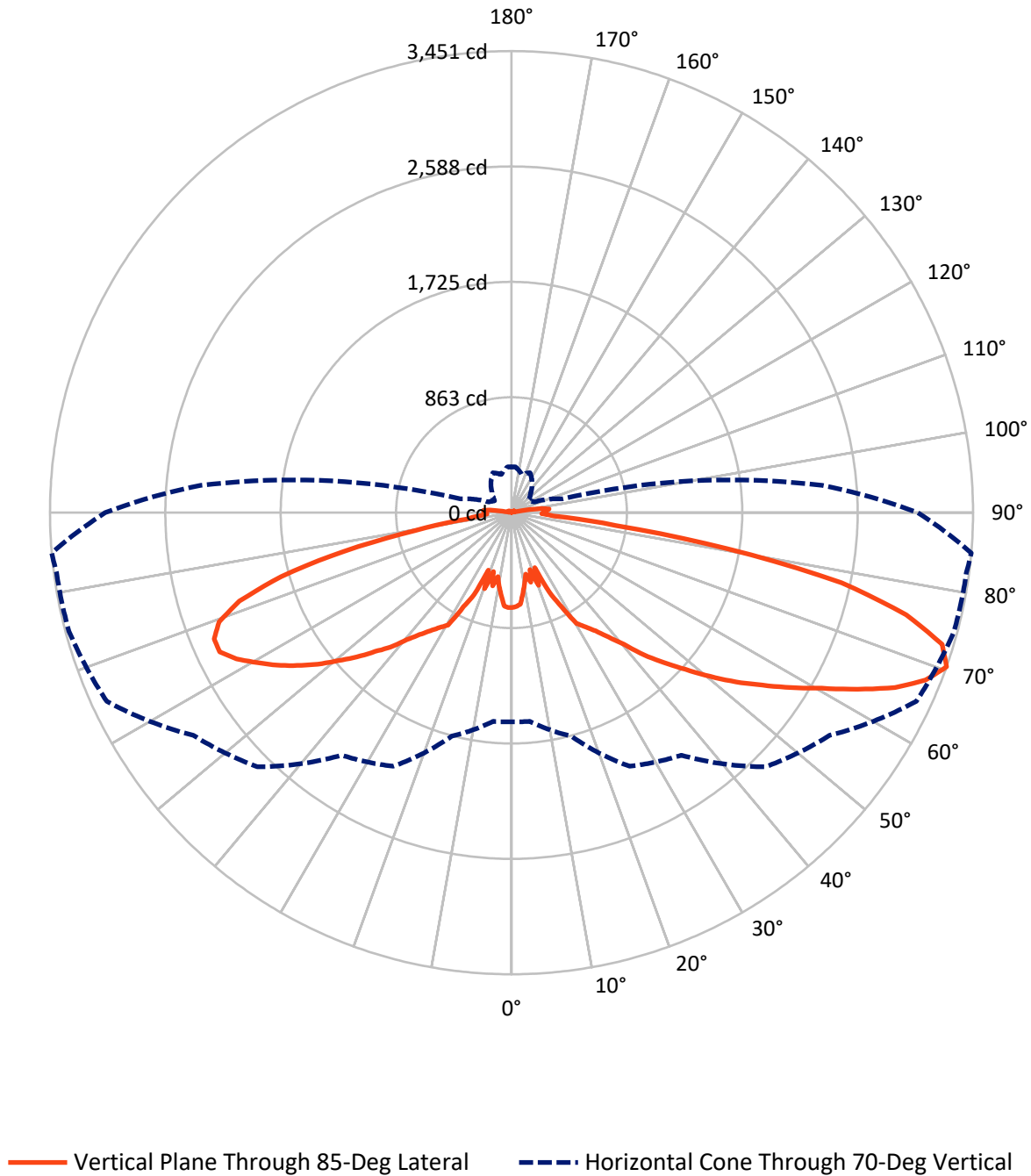


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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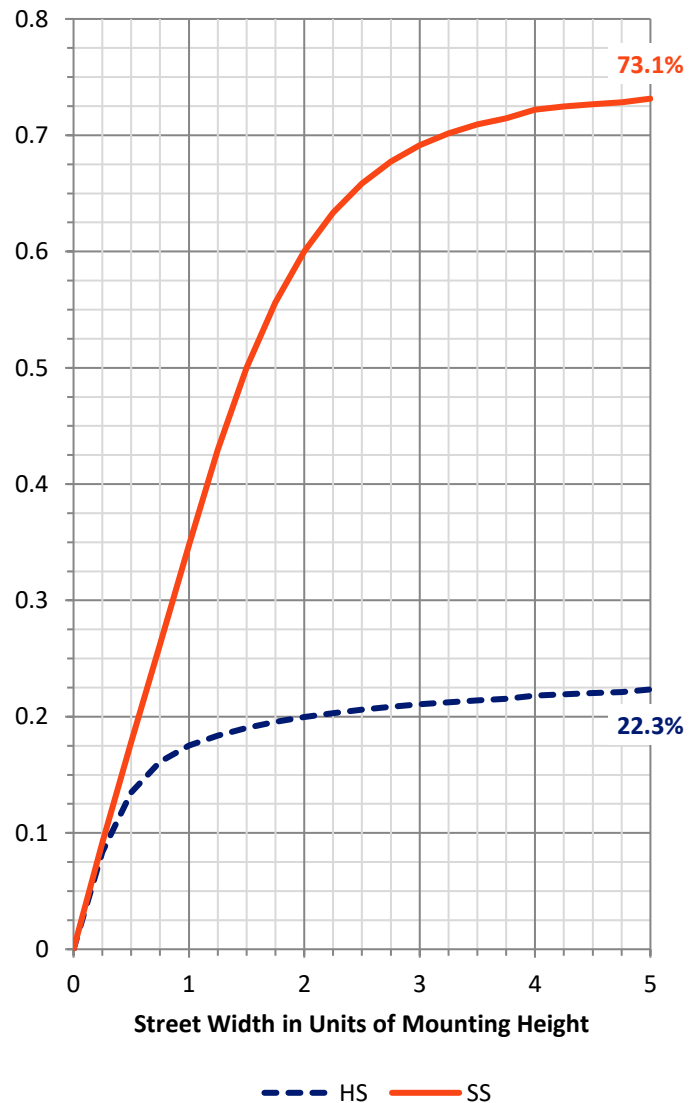
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1510.0	97.3	1607.3
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	4733.0	82.2	4815.2
	% Fixture	73.7	1.3	75.0
Total	Lumens	6243.0	179.5	6422.5
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	0.9
10°-20°	141.7	2.2
20°-30°	258.1	4.0
30°-40°	487.9	7.6
40°-50°	815.5	12.7
50°-60°	1272.7	19.8
60°-70°	1578.4	24.6
70°-80°	1289.5	20.1
80°-90°	341.3	5.3
90°-100°	129.6	2.0
100°-110°	27.6	0.4
110°-120°	9.0	0.1
120°-130°	6.9	0.1
130°-140°	3.3	0.1
140°-150°	1.6	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6243.0	97.2
0°-180°	6422.5	100.0

Coefficient of Utilization



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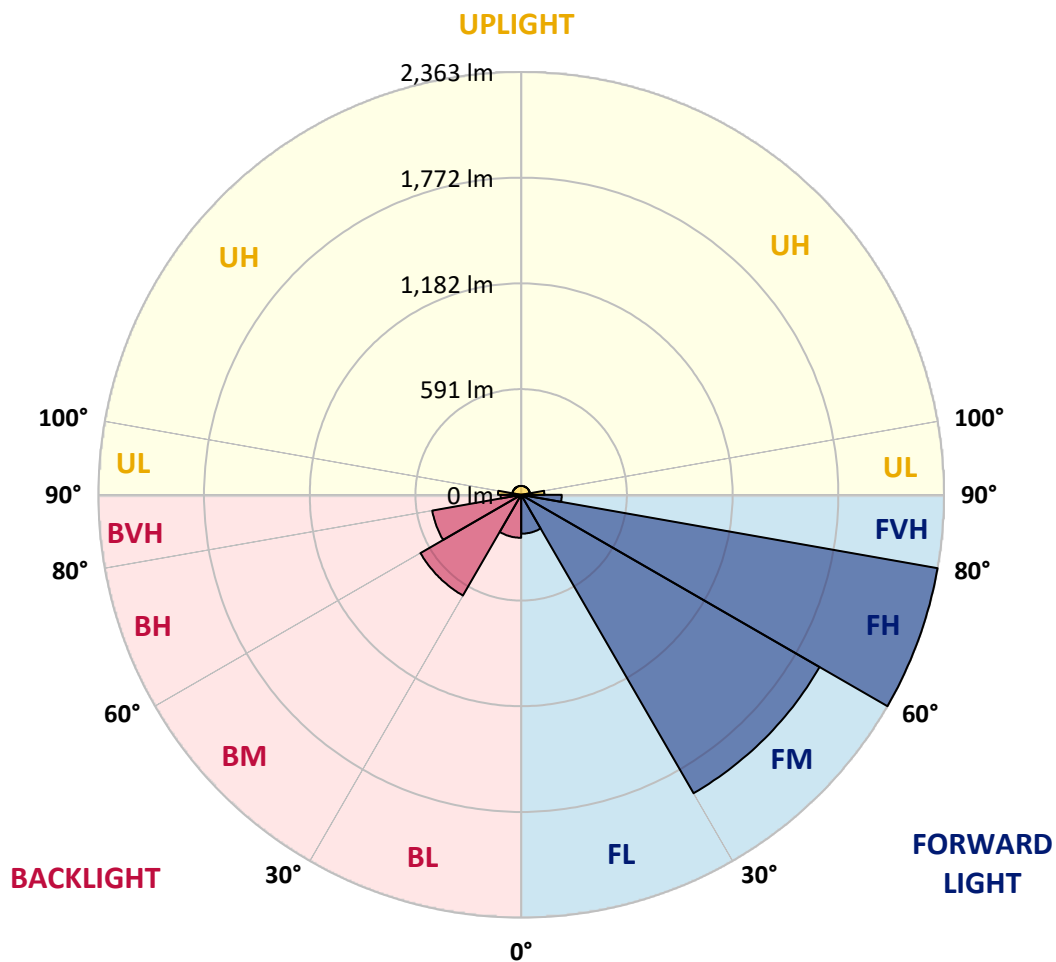
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	217.5	3.4			
FM	(30°-60°)	1925.8	30.0			
FH	(60°-80°)	2363.3	36.8			G2/5000
FVH	(80°-90°)	226.4	3.5			G3/500
BL	(0°-30°)	240.2	3.7	B1/500		
BM	(30°-60°)	650.4	10.1	B1/1000		
BH	(60°-80°)	504.5	7.9	B2/1000		G2/1000
BVH	(80°-90°)	114.9	1.8			G2/225
UL	(90°-100°)	129.6	2.0		U3/500	
UH	(100°-180°)	49.9	0.8		U2/50	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6
2.5°	587.6	644.8	634.9	652.3	662.3	677.2	687.2	692.2	697.1	702.1	702.1
5°	545.3	547.7	550.2	552.7	557.7	565.2	572.6	652.3	677.2	687.2	687.2
7.5°	498.0	495.5	505.4	517.9	535.3	545.3	552.7	555.2	582.6	605.0	610.0
10°	495.5	498.0	498.0	502.9	473.1	470.6	435.7	438.2	475.5	532.8	535.3
12.5°	430.7	443.2	470.6	490.5	460.6	413.3	405.8	425.7	398.4	468.1	470.6
15°	480.5	478.0	478.0	458.1	388.4	408.3	363.5	378.4	463.1	527.8	540.3
17.5°	418.3	413.3	463.1	448.2	403.3	341.1	408.3	403.3	418.3	455.6	448.2
20°	525.3	520.4	510.4	388.4	408.3	428.2	415.8	388.4	490.5	547.7	580.1
22.5°	490.5	495.5	520.4	493.0	420.8	440.7	393.4	478.0	463.1	440.7	445.7
25°	669.7	664.8	639.9	483.0	502.9	410.8	480.5	425.7	587.6	652.3	657.3
27.5°	617.5	610.0	592.6	607.5	510.4	537.8	468.1	557.7	649.8	764.4	799.2
30°	819.1	811.7	791.7	612.5	607.5	532.8	567.7	684.7	876.4	963.5	961.0
32.5°	1055.7	1000.9	878.9	784.3	649.8	692.2	649.8	806.7	933.7	1018.3	1018.3
35°	1200.1	1190.1	1125.4	911.3	756.9	754.4	746.9	888.8	1030.8	1090.5	1085.5
37.5°	1322.1	1339.5	1292.2	1055.7	854.0	873.9	836.6	1000.9	1150.3	1185.1	1180.1
40°	1491.4	1486.4	1461.5	1180.1	973.5	971.0	943.6	1135.3	1282.2	1307.1	1294.7
42.5°	1742.8	1715.4	1640.8	1347.0	1100.5	1100.5	1050.7	1262.3	1444.1	1446.5	1454.0
45°	2051.6	2039.1	1907.2	1605.9	1264.8	1262.3	1180.1	1396.8	1608.4	1620.8	1598.4
47.5°	2265.7	2228.3	2163.6	1842.4	1518.8	1461.5	1337.0	1528.7	1805.1	1795.1	1750.3
50°	2477.3	2447.4	2387.7	2101.4	1782.7	1668.1	1483.9	1665.6	1994.3	1966.9	1924.6
52.5°	2659.1	2619.2	2554.5	2313.0	2014.2	1924.6	1653.2	1790.1	2186.0	2141.2	2101.4
55°	2763.6	2681.5	2686.4	2502.2	2188.5	2116.3	1842.4	1991.8	2372.7	2308.0	2275.6
57.5°	2634.2	2629.2	2711.3	2619.2	2347.8	2275.6	2044.1	2193.5	2566.9	2482.3	2467.4
60°	2504.7	2519.6	2636.7	2654.1	2472.3	2420.0	2218.4	2479.8	2756.2	2664.0	2664.0
62.5°	2325.4	2367.8	2532.1	2666.5	2484.8	2562.0	2400.1	2723.8	2962.8	2878.2	2905.5
65°	2121.3	2121.3	2310.5	2564.5	2444.9	2656.6	2601.8	2990.2	3144.6	3094.8	3152.0
67.5°	1842.4	1847.4	2044.1	2365.3	2372.7	2703.9	2763.6	3199.3	3333.8	3296.4	3338.8
70°	1563.6	1566.1	1730.4	2091.4	2213.4	2686.4	2903.1	3338.8	3425.9	3430.9	3450.8
72.5°	1170.2	1212.5	1366.9	1698.0	1937.0	2614.2	2975.3	3378.6	3423.4	3430.9	3366.2
75°	629.9	649.8	821.6	1105.5	1439.1	2318.0	2952.9	3336.3	3303.9	3216.8	3047.5
77.5°	219.1	229.1	288.8	483.0	816.6	1640.8	2738.7	3152.0	3047.5	2773.6	2524.6
80°	141.9	141.9	156.9	231.5	371.0	776.8	2126.3	2701.4	2454.9	1869.8	1638.3
82.5°	99.6	102.1	114.5	154.4	239.0	333.6	1105.5	1371.9	1351.9	931.2	784.3
85°	72.2	74.7	79.7	89.6	164.3	206.6	430.7	659.8	610.0	333.6	313.7
87.5°	32.4	37.3	32.4	39.8	64.7	127.0	206.6	204.2	194.2	221.6	226.6
90°	24.9	24.9	19.9	22.4	44.8	114.5	191.7	184.2	196.7	241.5	239.0
92.5°	24.9	24.9	19.9	22.4	42.3	114.5	201.7	179.3	204.2	258.9	261.4
95°	24.9	27.4	19.9	19.9	34.9	117.0	214.1	191.7	216.6	281.3	281.3
97.5°	22.4	22.4	14.9	17.4	27.4	107.1	214.1	164.3	159.3	226.6	224.1
100°	17.4	19.9	10.0	14.9	19.9	64.7	159.3	102.1	44.8	52.3	79.7
102.5°	17.4	17.4	10.0	12.4	14.9	27.4	84.7	59.8	12.4	17.4	17.4
105°	17.4	19.9	10.0	10.0	10.0	12.4	39.8	29.9	10.0	14.9	17.4
107.5°	19.9	19.9	7.5	7.5	7.5	7.5	14.9	12.4	10.0	17.4	19.9
110°	19.9	19.9	7.5	7.5	5.0	5.0	7.5	7.5	10.0	17.4	19.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	17.4	17.4	7.5	7.5	5.0	5.0	5.0	7.5	10.0	14.9	17.4
115°	12.4	12.4	5.0	7.5	5.0	5.0	5.0	7.5	7.5	12.4	14.9
117.5°	12.4	10.0	5.0	5.0	2.5	5.0	5.0	7.5	10.0	17.4	17.4
120°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	5.0	12.4	19.9	22.4
122.5°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	5.0	12.4	19.9	22.4
125°	14.9	12.4	7.5	2.5	2.5	2.5	2.5	2.5	10.0	17.4	19.9
127.5°	12.4	12.4	7.5	2.5	2.5	2.5	2.5	2.5	7.5	14.9	17.4
130°	12.4	12.4	7.5	2.5	2.5	2.5	2.5	2.5	7.5	12.4	12.4
132.5°	10.0	10.0	7.5	2.5	2.5	2.5	2.5	2.5	5.0	10.0	10.0
135°	10.0	10.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	7.5	7.5
137.5°	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	0.0	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
150°	7.5	7.5	7.5	5.0	5.0	2.5	5.0	2.5	2.5	2.5	2.5
152.5°	7.5	7.5	10.0	5.0	2.5	2.5	2.5	5.0	2.5	2.5	2.5
155°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	5.0	7.5
157.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6
2.5°	704.6	709.6	712.1	719.5	719.5	719.5	702.1	659.8	659.8	662.3	664.8
5°	694.6	699.6	709.6	674.7	639.9	637.4	649.8	657.3	659.8	662.3	657.3
7.5°	615.0	624.9	619.9	622.4	639.9	657.3	672.2	662.3	637.4	619.9	624.9
10°	547.7	557.7	502.9	507.9	527.8	577.6	659.8	687.2	704.6	712.1	712.1
12.5°	480.5	488.0	440.7	510.4	475.5	552.7	642.4	709.6	642.4	615.0	615.0
15°	550.2	565.2	507.9	453.1	463.1	560.2	493.0	677.2	697.1	702.1	707.1
17.5°	470.6	460.6	470.6	478.0	520.4	435.7	565.2	637.4	597.5	582.6	590.1
20°	592.6	602.5	550.2	470.6	475.5	555.2	502.9	570.2	679.7	682.2	687.2
22.5°	450.6	463.1	493.0	560.2	490.5	537.8	530.3	592.6	555.2	557.7	577.6
25°	662.3	672.2	619.9	500.4	535.3	485.5	535.3	527.8	622.4	627.4	627.4
27.5°	811.7	789.3	677.2	565.2	470.6	512.9	483.0	502.9	480.5	547.7	557.7
30°	966.0	966.0	878.9	629.9	498.0	435.7	440.7	478.0	532.8	542.8	542.8
32.5°	1013.3	1010.8	898.8	682.2	490.5	450.6	405.8	450.6	545.3	592.6	597.5
35°	1080.6	1070.6	933.7	664.8	473.1	410.8	383.4	453.1	522.8	530.3	525.3
37.5°	1165.2	1140.3	976.0	632.4	433.2	385.9	368.5	408.3	468.1	468.1	468.1
40°	1269.8	1229.9	990.9	587.6	390.9	353.5	336.1	378.4	418.3	395.9	388.4
42.5°	1411.7	1351.9	1003.4	555.2	353.5	326.2	303.8	343.6	363.5	351.1	346.1
45°	1543.6	1454.0	1023.3	520.4	323.7	301.3	281.3	316.2	331.1	318.7	316.2
47.5°	1700.5	1581.0	1025.8	488.0	301.3	281.3	266.4	296.3	306.2	306.2	303.8
50°	1862.3	1703.0	1045.7	460.6	278.9	261.4	258.9	281.3	288.8	283.8	281.3
52.5°	2046.6	1839.9	1053.2	425.7	251.5	239.0	251.5	266.4	288.8	291.3	291.3
55°	2243.3	1966.9	1048.2	378.4	231.5	226.6	244.0	276.4	296.3	281.3	278.9
57.5°	2435.0	2093.9	1050.7	326.2	211.6	221.6	246.5	288.8	303.8	286.3	278.9
60°	2606.8	2208.4	1015.8	278.9	196.7	209.1	256.4	301.3	296.3	301.3	293.8
62.5°	2818.4	2327.9	916.2	249.0	184.2	204.2	256.4	308.7	288.8	308.7	308.7
65°	2992.7	2417.6	774.3	224.1	174.3	204.2	258.9	311.2	281.3	313.7	313.7
67.5°	3067.4	2415.1	560.2	204.2	161.8	199.2	258.9	321.2	288.8	323.7	321.2
70°	3037.5	2332.9	395.9	189.2	154.4	201.7	268.9	328.6	296.3	343.6	341.1
72.5°	2835.8	2138.7	286.3	176.8	144.4	191.7	276.4	338.6	303.8	373.5	373.5
75°	2497.2	1787.6	231.5	164.3	134.4	189.2	278.9	343.6	308.7	378.4	378.4
77.5°	1909.6	1284.7	194.2	151.9	124.5	184.2	276.4	351.1	306.2	378.4	378.4
80°	1145.3	732.0	161.8	136.9	127.0	181.8	281.3	351.1	306.2	373.5	373.5
82.5°	527.8	336.1	144.4	114.5	119.5	179.3	286.3	346.1	293.8	373.5	358.5
85°	293.8	236.5	124.5	97.1	107.1	169.3	271.4	311.2	263.9	308.7	303.8
87.5°	219.1	184.2	79.7	49.8	69.7	119.5	209.1	246.5	199.2	239.0	236.5
90°	234.0	194.2	72.2	49.8	74.7	109.5	196.7	219.1	184.2	221.6	219.1
92.5°	251.5	204.2	72.2	52.3	84.7	119.5	196.7	214.1	181.8	201.7	204.2
95°	263.9	211.6	69.7	57.3	89.6	129.5	191.7	196.7	166.8	174.3	181.8
97.5°	206.6	159.3	62.2	59.8	87.1	104.6	156.9	154.4	114.5	107.1	107.1
100°	64.7	44.8	54.8	62.2	52.3	49.8	92.1	109.5	67.2	44.8	42.3
102.5°	19.9	17.4	49.8	59.8	39.8	22.4	49.8	69.7	49.8	7.5	10.0
105°	19.9	19.9	32.4	49.8	27.4	10.0	19.9	37.3	29.9	7.5	7.5
107.5°	19.9	17.4	12.4	27.4	10.0	7.5	10.0	10.0	10.0	7.5	7.5
110°	19.9	19.9	10.0	10.0	7.5	7.5	7.5	5.0	5.0	12.4	12.4



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CATALOG NUMBER: SDL-PA1-80-722-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.9	19.9	10.0	10.0	7.5	7.5	5.0	5.0	7.5	17.4	17.4
115°	17.4	17.4	10.0	7.5	5.0	7.5	5.0	5.0	7.5	19.9	19.9
117.5°	19.9	19.9	10.0	7.5	5.0	5.0	5.0	2.5	7.5	22.4	24.9
120°	24.9	22.4	12.4	5.0	5.0	5.0	5.0	5.0	10.0	19.9	22.4
122.5°	24.9	24.9	12.4	5.0	2.5	2.5	2.5	5.0	10.0	19.9	22.4
125°	22.4	22.4	12.4	5.0	2.5	2.5	2.5	2.5	10.0	17.4	17.4
127.5°	19.9	19.9	10.0	5.0	2.5	2.5	2.5	2.5	7.5	14.9	17.4
130°	14.9	14.9	7.5	5.0	2.5	2.5	2.5	2.5	7.5	12.4	14.9
132.5°	12.4	12.4	7.5	5.0	2.5	2.5	2.5	2.5	7.5	10.0	12.4
135°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.5	10.0
137.5°	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	7.5	5.0
152.5°	2.5	2.5	2.5	5.0	2.5	0.0	0.0	5.0	5.0	7.5	7.5
155°	7.5	7.5	5.0	2.5	2.5	0.0	0.0	0.0	5.0	5.0	5.0
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
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)