

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: P560641

Luminaire Tested: **SDL-PA1-50-830-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
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-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4014.9 lumens
Efficiency: N/A
Efficacy: 76.6 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 - G2

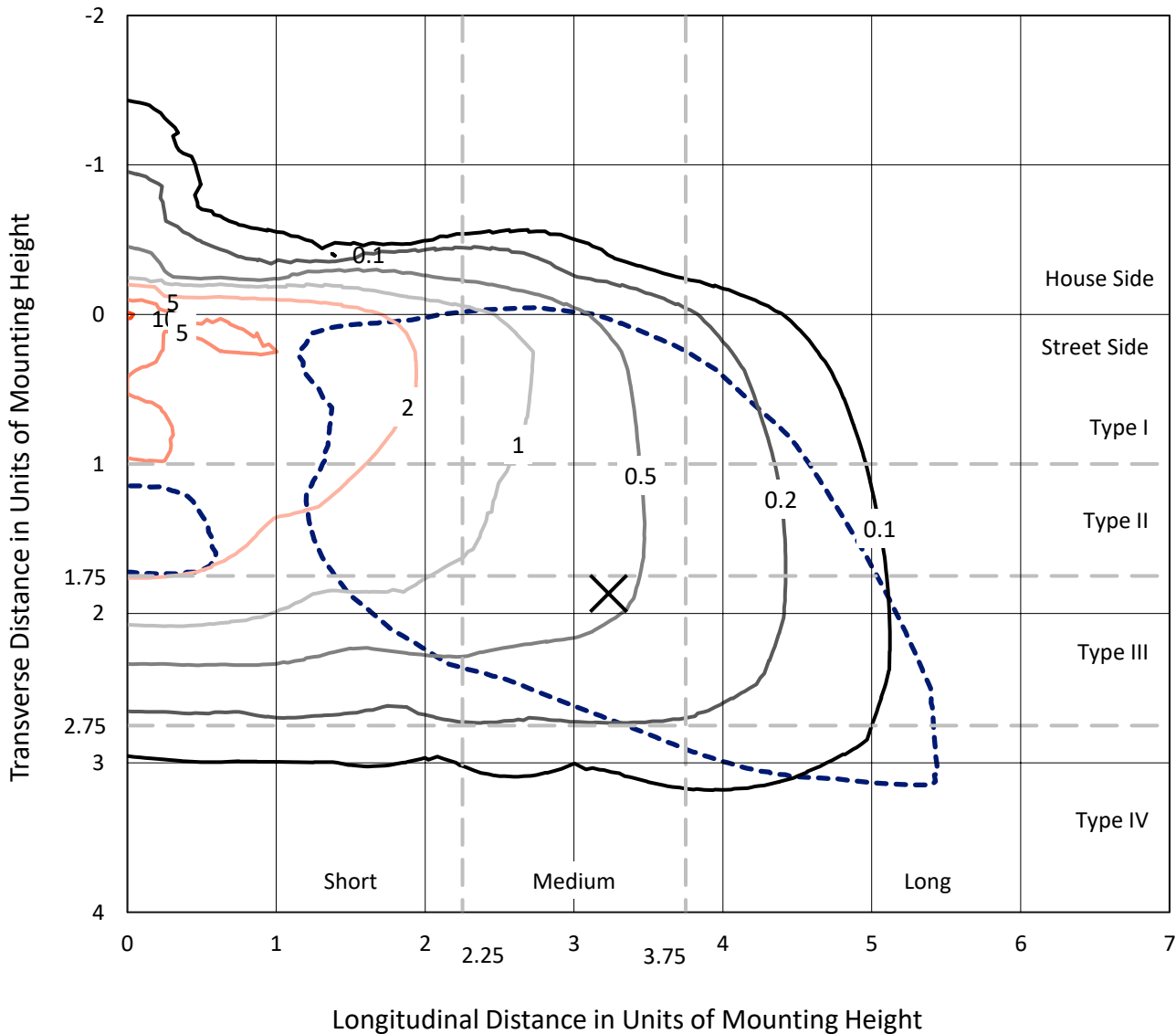
Input Watts (W): 52.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

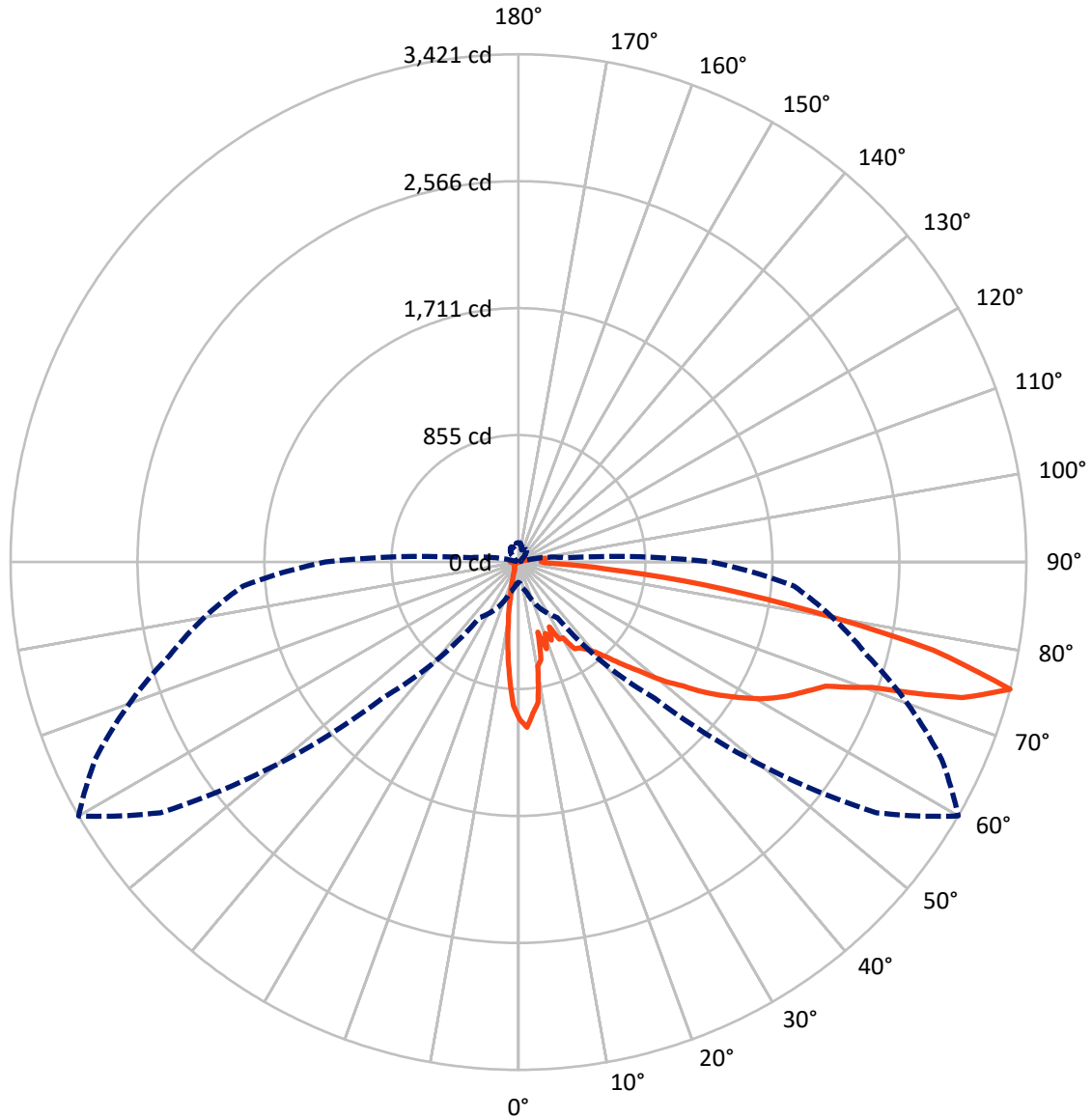
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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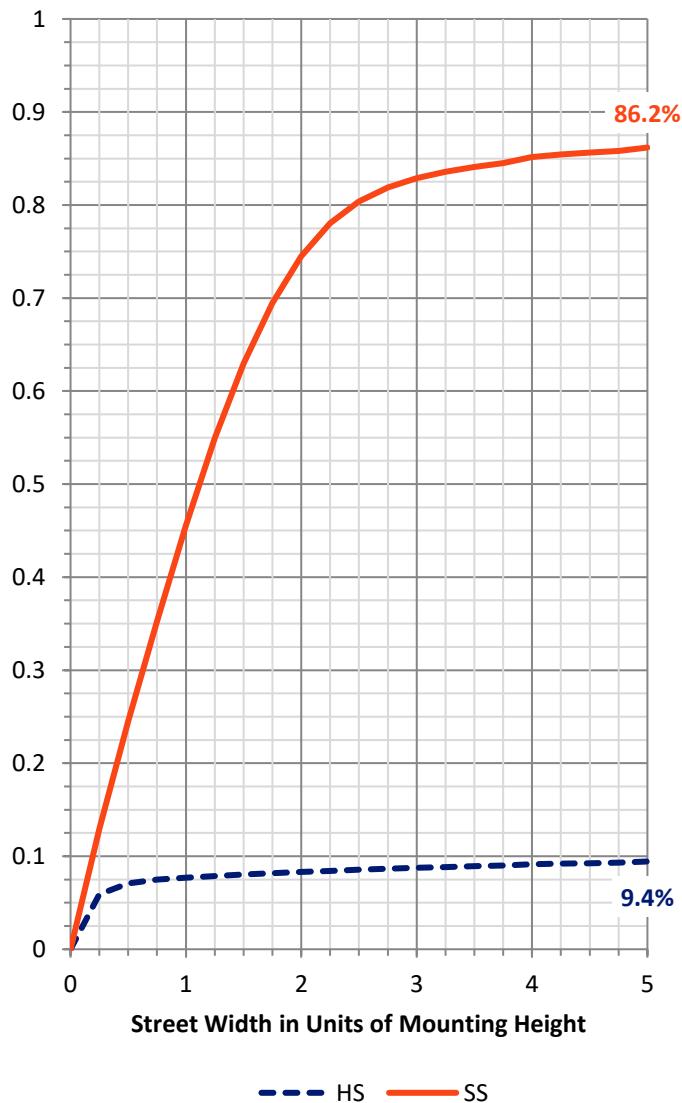
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	414.9	54.1	469.0
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	3489.3	56.6	3545.9
	% Fixture	86.9	1.4	88.3
Total	Lumens	3904.2	110.7	4014.9
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	1.8
10°-20°	120.8	3.0
20°-30°	170.8	4.3
30°-40°	306.9	7.6
40°-50°	517.2	12.9
50°-60°	804.4	20.0
60°-70°	949.2	23.6
70°-80°	770.0	19.2
80°-90°	191.2	4.8
90°-100°	77.2	1.9
100°-110°	17.9	0.4
110°-120°	5.6	0.1
120°-130°	5.0	0.1
130°-140°	2.7	0.1
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3904.2	97.2
0°-180°	4014.9	100.0

Coefficient of Utilization



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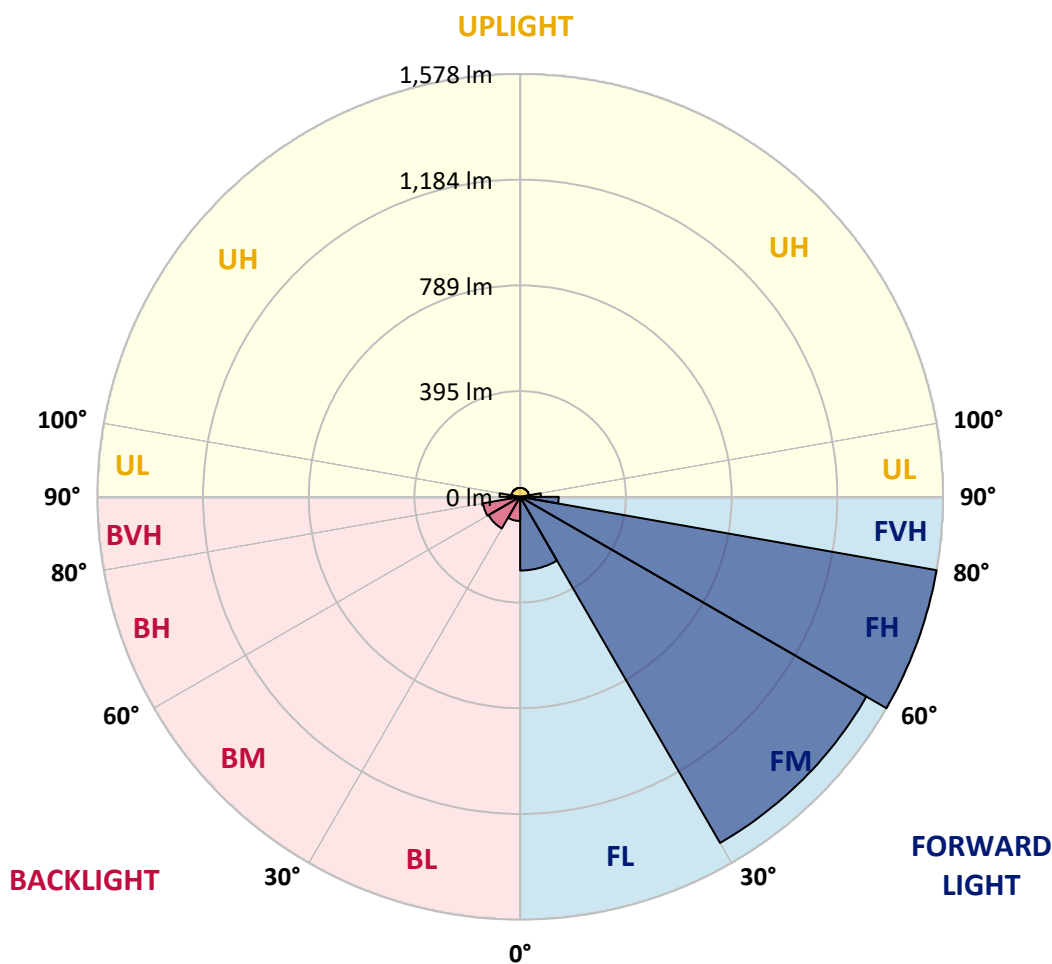
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.0	6.8			
FM (30°-60°)	1492.1	37.2			
FH (60°-80°)	1578.4	39.3			G1/1800
FVH (80°-90°)	143.7	3.6			G2/225
BL (0°-30°)	90.2	2.2	B0/110		
BM (30°-60°)	136.4	3.4	B0/220		
BH (60°-80°)	140.9	3.5	B1/500		G1/500
BVH (80°-90°)	47.4	1.2			G1/100
UL (90°-100°)	77.2	1.9		U3/500	
UH (100°-180°)	33.6	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	998.2	1074.3	1052.0	1122.5	1131.8	1128.1	1124.4	1115.1	1105.8	1089.1	1063.1
5°	957.4	964.8	959.2	972.2	974.1	979.7	970.4	1022.3	1109.5	1087.3	1046.4
7.5°	786.7	864.6	873.9	898.0	920.3	942.5	955.5	953.7	842.4	946.3	899.9
10°	803.4	814.5	812.7	829.4	810.8	779.3	710.6	712.5	712.5	734.7	758.9
12.5°	636.4	669.8	751.4	777.4	721.8	656.8	662.4	675.4	684.6	580.7	640.1
15°	721.8	723.6	725.5	725.5	543.6	621.6	541.8	489.8	560.3	686.5	697.6
17.5°	565.9	560.3	653.1	645.7	599.3	462.0	601.2	614.1	590.0	577.0	580.7
20°	664.2	664.2	658.7	525.1	552.9	595.6	515.8	513.9	543.6	675.4	682.8
22.5°	538.1	532.5	562.2	584.5	525.1	567.8	508.4	571.5	632.7	597.4	488.0
25°	673.5	673.5	651.2	506.5	543.6	488.0	564.0	484.3	538.1	731.0	695.8
27.5°	623.4	606.7	554.8	575.2	488.0	567.8	519.5	588.2	621.6	757.0	810.8
30°	805.2	799.7	740.3	578.9	554.8	521.4	558.5	591.9	716.2	981.5	937.0
32.5°	1074.3	1044.6	842.4	716.2	582.6	617.9	595.6	695.8	786.7	1003.8	950.0
35°	1146.6	1124.4	1027.9	870.2	653.1	653.1	640.1	710.6	807.1	1052.0	977.8
37.5°	1170.8	1168.9	1135.5	951.8	749.6	751.4	677.2	745.9	847.9	1117.0	1018.6
40°	1185.6	1189.3	1222.7	1037.2	851.6	847.9	745.9	796.0	911.0	1187.5	1092.8
42.5°	1248.7	1269.1	1309.9	1131.8	948.1	950.0	829.4	875.8	994.5	1304.4	1194.9
45°	1389.7	1395.3	1419.4	1261.7	1039.0	1052.0	935.1	983.4	1096.5	1432.4	1309.9
47.5°	1603.1	1603.1	1562.3	1363.7	1146.6	1165.2	1046.4	1096.5	1217.1	1619.8	1443.5
50°	1792.3	1777.5	1688.4	1484.3	1233.8	1274.7	1193.0	1250.5	1319.2	1762.6	1610.5
52.5°	1911.1	1905.5	1796.0	1566.0	1326.6	1395.3	1313.6	1387.8	1437.9	1911.1	1760.8
55°	1894.4	1894.4	1823.9	1608.6	1412.0	1504.7	1469.5	1562.3	1580.8	2052.1	1870.3
57.5°	1831.3	1840.6	1807.2	1625.3	1428.7	1608.6	1629.0	1716.3	1747.8	2133.7	1938.9
60°	1703.3	1721.8	1757.1	1647.6	1493.6	1725.5	1792.3	1870.3	1929.6	2194.9	1996.4
62.5°	1463.9	1488.0	1612.3	1645.7	1543.7	1846.1	1931.5	2000.1	2055.8	2228.3	2037.2
65°	1109.5	1154.1	1334.0	1527.0	1540.0	1987.1	2044.7	2111.5	2165.3	2261.7	2143.0
67.5°	708.8	710.6	905.4	1261.7	1436.1	2185.7	2196.8	2230.2	2265.5	2354.5	2293.3
70°	365.5	384.1	476.8	805.2	1176.3	2226.5	2577.2	2528.9	2475.1	2556.8	2488.1
72.5°	243.1	263.5	313.6	434.2	738.5	2007.6	2990.9	3124.5	2887.0	2707.0	2317.4
75°	137.3	148.4	209.7	343.3	456.4	1296.9	2944.5	3421.4	3146.8	2432.4	1862.8
77.5°	61.2	64.9	94.6	269.0	391.5	632.7	2317.4	2859.2	2749.7	2028.0	1343.3
80°	33.4	33.4	44.5	124.3	332.1	476.8	1538.1	1990.9	1870.3	1222.7	610.4
82.5°	18.6	20.4	26.0	59.4	202.2	436.0	972.2	1248.7	987.1	335.8	246.8
85°	7.4	7.4	11.1	31.5	74.2	369.2	532.5	593.7	398.9	170.7	191.1
87.5°	3.7	3.7	3.7	11.1	24.1	94.6	174.4	187.4	146.6	135.4	165.1
90°	5.6	5.6	3.7	3.7	16.7	100.2	146.6	154.0	120.6	135.4	167.0
92.5°	7.4	5.6	3.7	3.7	13.0	100.2	167.0	165.1	120.6	135.4	172.6
95°	9.3	7.4	3.7	3.7	13.0	89.1	200.4	180.0	129.9	137.3	181.8
97.5°	9.3	9.3	3.7	3.7	13.0	68.7	211.5	181.8	113.2	89.1	124.3
100°	11.1	11.1	3.7	3.7	14.8	40.8	146.6	135.4	79.8	29.7	35.3
102.5°	13.0	13.0	3.7	3.7	9.3	20.4	70.5	68.7	44.5	7.4	13.0
105°	13.0	14.8	3.7	3.7	3.7	9.3	26.0	31.5	22.3	7.4	13.0
107.5°	14.8	16.7	3.7	3.7	3.7	5.6	11.1	11.1	7.4	7.4	13.0
110°	14.8	14.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	13.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	11.1	11.1	1.9	3.7	3.7	3.7	1.9	3.7	3.7	5.6	11.1
115°	5.6	3.7	1.9	3.7	1.9	3.7	1.9	3.7	5.6	5.6	13.0
117.5°	1.9	1.9	1.9	1.9	1.9	3.7	1.9	3.7	3.7	9.3	16.7
120°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7	13.0	20.4
122.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7	13.0	24.1
125°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7	9.3	22.3
127.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7	9.3	18.6
130°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7	7.4	16.7
132.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	7.4	13.0
135°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	9.3
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7
140°	1.9	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	1.9	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	3.7	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9
150°	7.4	7.4	7.4	5.6	3.7	1.9	5.6	3.7	1.9	1.9	1.9
152.5°	5.6	5.6	9.3	3.7	1.9	1.9	1.9	5.6	5.6	1.9	1.9
155°	5.6	5.6	3.7	1.9	1.9	1.9	1.9	1.9	1.9	5.6	7.4
157.5°	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9	1.9	3.7	1.9
160°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1053.9	1042.7	1013.1	985.2	951.8	931.4	860.9	781.1	764.4	760.7	747.7
5°	1027.9	1003.8	946.3	823.8	701.3	645.7	619.7	599.3	571.5	565.9	558.5
7.5°	872.0	831.2	742.2	591.9	573.3	521.4	478.7	443.4	367.4	347.0	335.8
10°	725.5	690.2	506.5	430.5	391.5	352.5	306.1	270.9	239.3	224.5	218.9
12.5°	586.3	551.1	378.5	341.4	243.1	200.4	174.4	144.7	120.6	107.6	107.6
15°	649.4	591.9	391.5	243.1	159.6	118.7	87.2	77.9	90.9	92.8	92.8
17.5°	530.6	473.1	308.0	189.3	116.9	64.9	70.5	79.8	87.2	76.1	77.9
20°	610.4	530.6	309.9	142.9	74.2	63.1	64.9	59.4	79.8	81.6	81.6
22.5°	462.0	417.5	233.8	113.2	57.5	59.4	55.7	66.8	74.2	64.9	63.1
25°	597.4	491.7	237.5	72.4	57.5	48.2	57.5	52.0	68.7	70.5	70.5
27.5°	684.6	551.1	207.8	63.1	48.2	52.0	46.4	53.8	52.0	52.0	52.0
30°	777.4	601.2	202.2	61.2	46.4	42.7	44.5	42.7	50.1	52.0	52.0
32.5°	777.4	575.2	154.0	61.2	44.5	40.8	35.3	39.0	40.8	44.5	46.4
35°	783.0	552.9	113.2	55.7	40.8	35.3	31.5	31.5	35.3	37.1	37.1
37.5°	799.7	538.1	87.2	52.0	37.1	31.5	26.0	27.8	48.2	53.8	53.8
40°	846.1	538.1	74.2	48.2	33.4	27.8	22.3	35.3	40.8	48.2	48.2
42.5°	918.4	545.5	70.5	46.4	29.7	24.1	18.6	27.8	50.1	57.5	59.4
45°	994.5	560.3	66.8	44.5	27.8	20.4	22.3	33.4	39.0	52.0	52.0
47.5°	1100.3	591.9	64.9	42.7	26.0	16.7	20.4	33.4	42.7	55.7	55.7
50°	1215.3	625.3	61.2	40.8	22.3	14.8	31.5	27.8	35.3	57.5	57.5
52.5°	1334.0	664.2	59.4	39.0	20.4	20.4	35.3	33.4	42.7	55.7	57.5
55°	1437.9	695.8	55.7	39.0	18.6	18.6	37.1	33.4	39.0	52.0	53.8
57.5°	1488.0	701.3	53.8	37.1	16.7	18.6	35.3	40.8	35.3	42.7	46.4
60°	1551.1	716.2	48.2	33.4	14.8	24.1	40.8	53.8	48.2	55.7	59.4
62.5°	1610.5	727.3	42.7	29.7	13.0	26.0	53.8	64.9	52.0	64.9	72.4
65°	1720.0	751.4	35.3	24.1	11.1	29.7	61.2	77.9	57.5	76.1	76.1
67.5°	1872.1	790.4	27.8	20.4	11.1	33.4	63.1	89.1	68.7	83.5	81.6
70°	1931.5	727.3	24.1	18.6	11.1	39.0	68.7	96.5	72.4	92.8	92.8
72.5°	1684.7	525.1	20.4	18.6	18.6	44.5	85.3	105.8	79.8	116.9	115.0
75°	1300.6	330.3	20.4	18.6	22.3	55.7	96.5	113.2	85.3	129.9	128.0
77.5°	866.5	155.9	20.4	20.4	26.0	61.2	103.9	120.6	94.6	144.7	142.9
80°	339.5	85.3	22.3	22.3	31.5	64.9	111.3	124.3	98.3	155.9	154.0
82.5°	163.3	59.4	22.3	22.3	42.7	72.4	118.7	129.9	102.0	157.7	155.9
85°	139.2	55.7	20.4	24.1	52.0	90.9	126.2	128.0	103.9	150.3	150.3
87.5°	124.3	53.8	20.4	24.1	70.5	105.8	131.7	126.2	111.3	146.6	146.6
90°	128.0	57.5	22.3	27.8	79.8	107.6	133.6	126.2	107.6	135.4	135.4
92.5°	137.3	61.2	24.1	29.7	79.8	100.2	124.3	113.2	100.2	115.0	113.2
95°	144.7	64.9	26.0	33.4	70.5	77.9	103.9	90.9	83.5	89.1	89.1
97.5°	111.3	50.1	29.7	37.1	53.8	46.4	64.9	59.4	44.5	37.1	37.1
100°	29.7	16.7	31.5	37.1	37.1	31.5	48.2	44.5	29.7	13.0	13.0
102.5°	11.1	11.1	29.7	35.3	29.7	24.1	35.3	33.4	24.1	3.7	3.7
105°	11.1	9.3	18.6	27.8	18.6	13.0	18.6	22.3	14.8	3.7	3.7
107.5°	11.1	9.3	11.1	16.7	7.4	5.6	7.4	7.4	7.4	1.9	3.7
110°	11.1	9.3	5.6	7.4	5.6	5.6	5.6	3.7	3.7	7.4	7.4



REPORT NUMBER: P560641
 CATALOG NUMBER: SDL-PA1-50-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.1	9.3	5.6	7.4	5.6	5.6	3.7	3.7	5.6	11.1	11.1
115°	11.1	9.3	5.6	5.6	3.7	5.6	3.7	1.9	5.6	13.0	14.8
117.5°	14.8	9.3	3.7	3.7	3.7	3.7	3.7	1.9	5.6	16.7	18.6
120°	18.6	11.1	3.7	3.7	3.7	1.9	3.7	1.9	7.4	16.7	18.6
122.5°	20.4	13.0	3.7	3.7	3.7	1.9	1.9	3.7	7.4	16.7	16.7
125°	20.4	13.0	3.7	3.7	1.9	1.9	1.9	1.9	7.4	16.7	18.6
127.5°	16.7	11.1	3.7	3.7	1.9	1.9	1.9	1.9	7.4	14.8	16.7
130°	14.8	11.1	3.7	3.7	1.9	1.9	1.9	1.9	7.4	13.0	14.8
132.5°	11.1	9.3	3.7	1.9	1.9	1.9	1.9	1.9	7.4	11.1	13.0
135°	9.3	5.6	3.7	1.9	1.9	1.9	1.9	1.9	5.6	11.1	11.1
137.5°	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9	3.7	5.6	5.6
140°	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7
142.5°	1.9	3.7	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
145°	1.9	3.7	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
147.5°	1.9	3.7	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
150°	1.9	3.7	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	3.7
152.5°	1.9	3.7	1.9	1.9	1.9	0.0	0.0	1.9	1.9	1.9	1.9
155°	7.4	5.6	3.7	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
157.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
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)