

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: P560619

Luminaire Tested: **SDL-PA1-50-827-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560619
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-PA1-50-827-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 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: 3714 lumens
Efficiency: N/A
Efficacy: 70.9 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

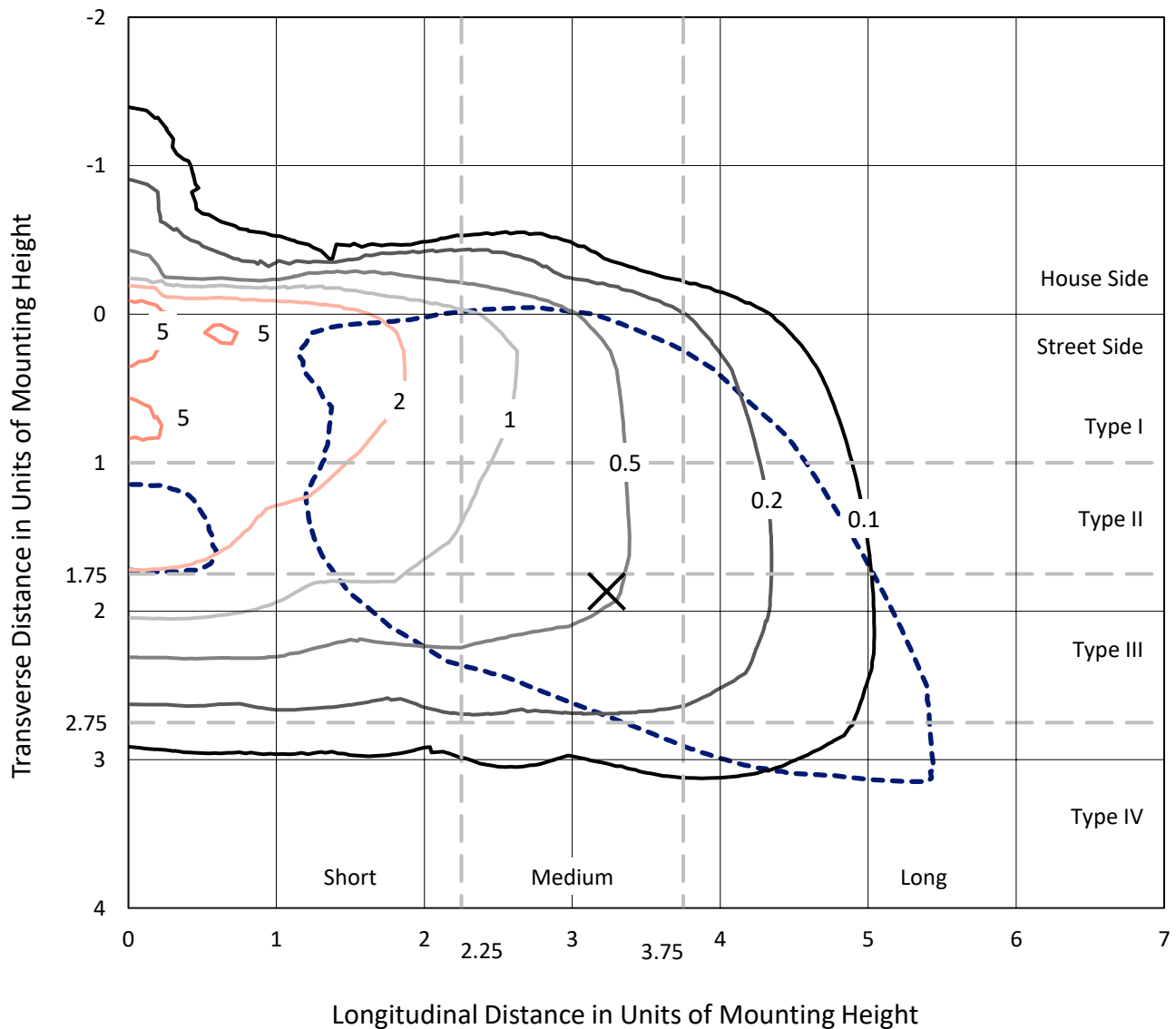


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

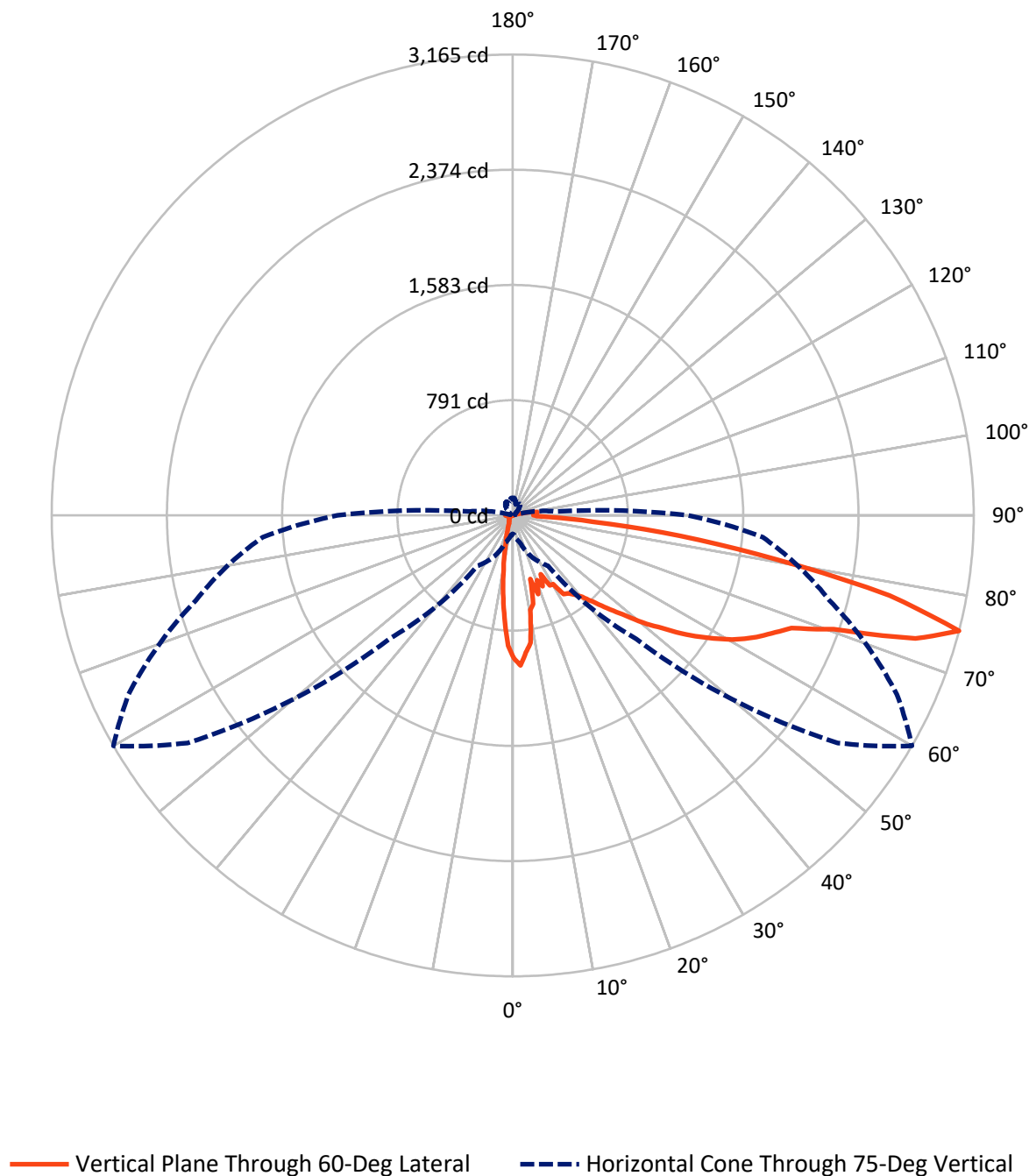


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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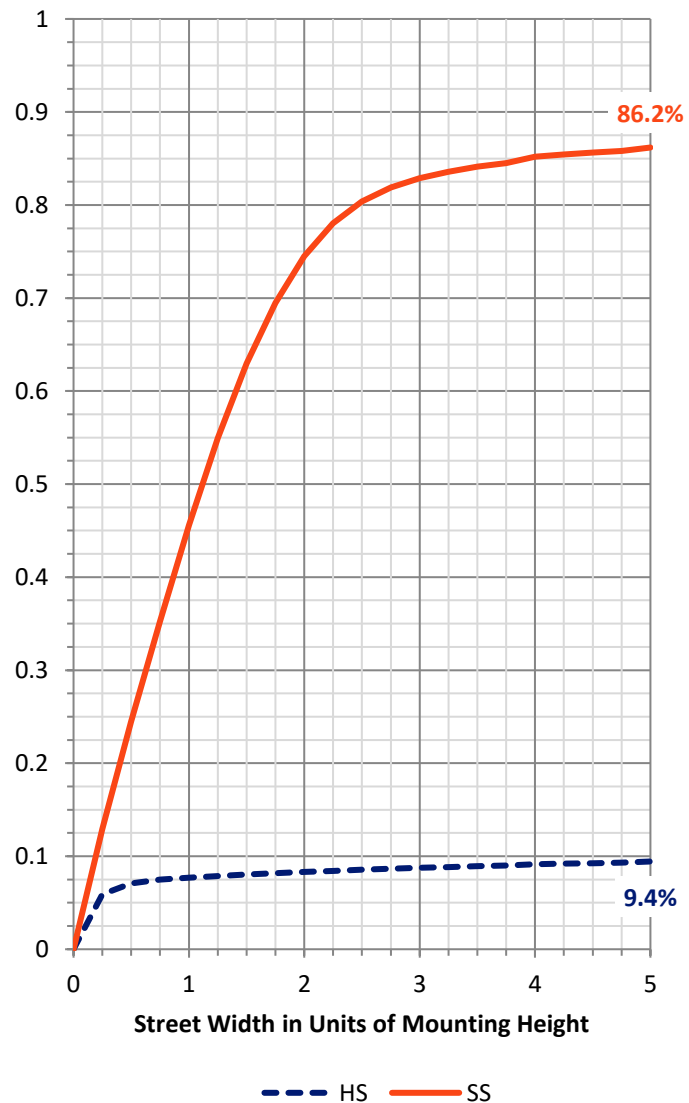
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	383.8	50.0	433.8
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	3227.9	52.3	3280.2
	% Fixture	86.9	1.4	88.3
Total	Lumens	3611.7	102.3	3714.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.8
10°-20°	111.8	3.0
20°-30°	158.0	4.3
30°-40°	284.0	7.6
40°-50°	478.4	12.9
50°-60°	744.2	20.0
60°-70°	878.1	23.6
70°-80°	712.3	19.2
80°-90°	176.9	4.8
90°-100°	71.4	1.9
100°-110°	16.5	0.4
110°-120°	5.1	0.1
120°-130°	4.6	0.1
130°-140°	2.4	0.1
140°-150°	1.2	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3611.7	97.2
0°-180°	3714.0	100.0

Coefficient of Utilization



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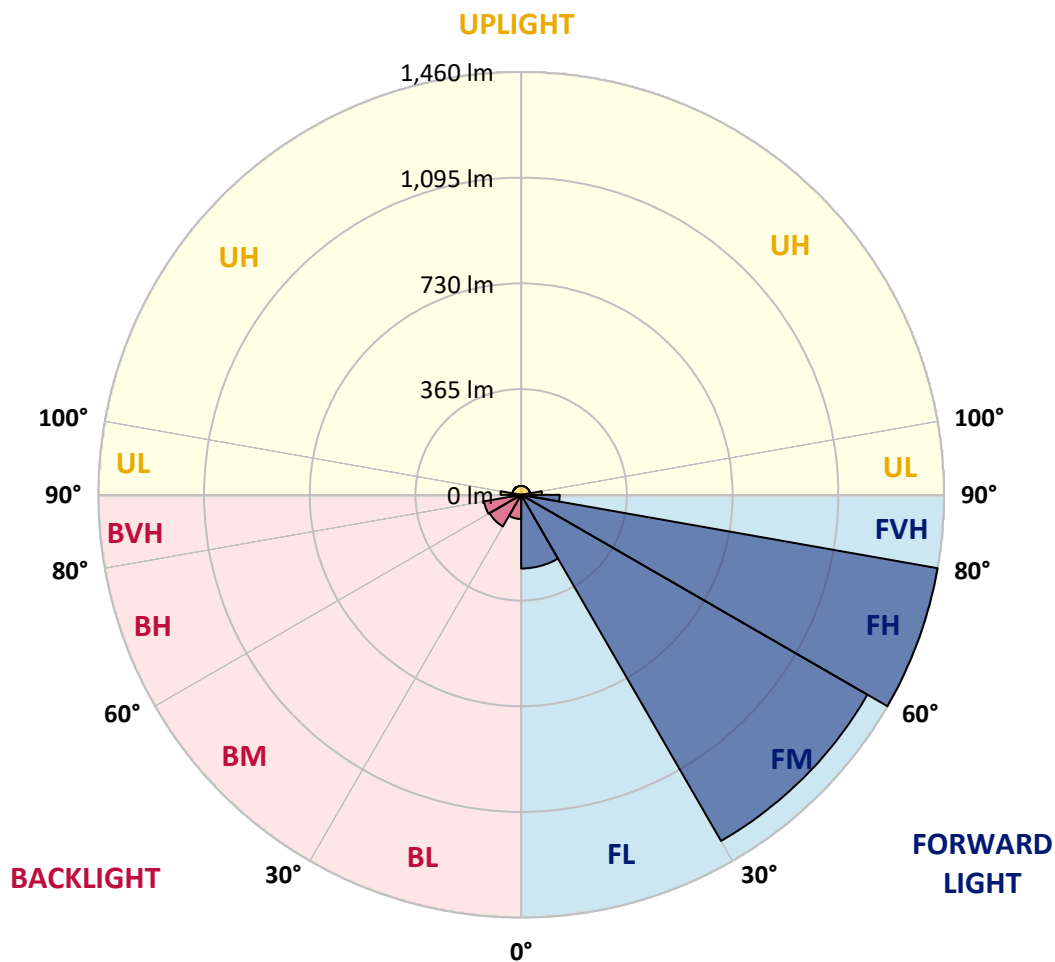
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.4	6.8			
FM	(30°-60°)	1380.4	37.2			
FH	(60°-80°)	1460.2	39.3			G1/1800
FVH	(80°-90°)	133.0	3.6			G2/225
BL	(0°-30°)	83.5	2.2	B0/110		
BM	(30°-60°)	126.2	3.4	B0/220		
BH	(60°-80°)	130.3	3.5	B1/500		G1/500
BVH	(80°-90°)	43.9	1.2			G1/100
UL	(90°-100°)	71.4	1.9		U3/500	
UH	(100°-180°)	30.9	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°	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8
2.5°	923.4	993.8	973.2	1038.4	1047.0	1043.6	1040.2	1031.6	1023.0	1007.5	983.5
5°	885.7	892.5	887.4	899.4	901.1	906.3	897.7	945.8	1026.4	1005.8	968.1
7.5°	727.8	799.9	808.4	830.7	851.3	871.9	884.0	882.2	779.3	875.4	832.5
10°	743.2	753.5	751.8	767.2	750.1	720.9	657.4	659.1	659.1	679.7	702.0
12.5°	588.7	619.6	695.2	719.2	667.7	607.6	612.8	624.8	633.4	537.2	592.2
15°	667.7	669.4	671.1	671.1	502.9	575.0	501.2	453.1	518.4	635.1	645.4
17.5°	523.5	518.4	604.2	597.3	554.4	427.4	556.1	568.1	545.8	533.8	537.2
20°	614.5	614.5	609.3	485.7	511.5	551.0	477.2	475.4	502.9	624.8	631.6
22.5°	497.8	492.6	520.1	540.7	485.7	525.2	470.3	528.7	585.3	552.7	451.4
25°	623.1	623.1	602.5	468.6	502.9	451.4	521.8	448.0	497.8	676.3	643.7
27.5°	576.7	561.3	513.2	532.1	451.4	525.2	480.6	544.1	575.0	700.3	750.1
30°	744.9	739.8	684.9	535.5	513.2	482.3	516.6	547.5	662.5	908.0	866.8
32.5°	993.8	966.3	779.3	662.5	539.0	571.6	551.0	643.7	727.8	928.6	878.8
35°	1060.8	1040.2	950.9	805.0	604.2	604.2	592.2	657.4	746.6	973.2	904.6
37.5°	1083.1	1081.3	1050.5	880.5	693.4	695.2	626.5	690.0	784.4	1033.3	942.3
40°	1096.8	1100.2	1131.1	959.5	787.8	784.4	690.0	736.3	842.8	1098.5	1011.0
42.5°	1155.2	1174.0	1211.8	1047.0	877.1	878.8	767.2	810.2	920.0	1206.6	1105.4
45°	1285.6	1290.8	1313.1	1167.2	961.2	973.2	865.1	909.7	1014.4	1325.1	1211.8
47.5°	1483.0	1483.0	1445.2	1261.6	1060.8	1077.9	968.1	1014.4	1126.0	1498.4	1335.4
50°	1658.1	1644.3	1561.9	1373.1	1141.4	1179.2	1103.7	1156.9	1220.4	1630.6	1489.9
52.5°	1767.9	1762.8	1661.5	1448.7	1227.2	1290.8	1215.2	1283.9	1330.2	1767.9	1628.9
55°	1752.5	1752.5	1687.2	1488.1	1306.2	1392.0	1359.4	1445.2	1462.4	1898.4	1730.2
57.5°	1694.1	1702.7	1671.8	1503.6	1321.6	1488.1	1507.0	1587.7	1616.9	1973.9	1793.7
60°	1575.7	1592.8	1625.5	1524.2	1381.7	1596.3	1658.1	1730.2	1785.1	2030.5	1846.9
62.5°	1354.3	1376.6	1491.6	1522.5	1428.1	1707.8	1786.8	1850.3	1901.8	2061.4	1884.6
65°	1026.4	1067.6	1234.1	1412.6	1424.6	1838.3	1891.5	1953.3	2003.1	2092.3	1982.5
67.5°	655.7	657.4	837.6	1167.2	1328.5	2021.9	2032.2	2063.1	2095.8	2178.1	2121.5
70°	338.1	355.3	441.1	744.9	1088.2	2059.7	2384.1	2339.5	2289.7	2365.2	2301.7
72.5°	224.9	243.7	290.1	401.6	683.1	1857.2	2766.9	2890.5	2670.8	2504.3	2143.8
75°	127.0	137.3	194.0	317.5	422.2	1199.8	2724.0	3165.1	2911.1	2250.2	1723.3
77.5°	56.6	60.1	87.5	248.9	362.2	585.3	2143.8	2645.0	2543.7	1876.1	1242.7
80°	30.9	30.9	41.2	115.0	307.2	441.1	1422.9	1841.7	1730.2	1131.1	564.7
82.5°	17.2	18.9	24.0	54.9	187.1	403.4	899.4	1155.2	913.1	310.7	228.3
85°	6.9	6.9	10.3	29.2	68.7	341.6	492.6	549.3	369.0	157.9	176.8
87.5°	3.4	3.4	3.4	10.3	22.3	87.5	161.3	173.4	135.6	125.3	152.8
90°	5.1	5.1	3.4	3.4	15.4	92.7	135.6	142.5	111.6	125.3	154.5
92.5°	6.9	5.1	3.4	3.4	12.0	92.7	154.5	152.8	111.6	125.3	159.6
95°	8.6	6.9	3.4	3.4	12.0	82.4	185.4	166.5	120.1	127.0	168.2
97.5°	8.6	8.6	3.4	3.4	12.0	63.5	195.7	168.2	104.7	82.4	115.0
100°	10.3	10.3	3.4	3.4	13.7	37.8	135.6	125.3	73.8	27.5	32.6
102.5°	12.0	12.0	3.4	3.4	8.6	18.9	65.2	63.5	41.2	6.9	12.0
105°	12.0	13.7	3.4	3.4	3.4	8.6	24.0	29.2	20.6	6.9	12.0
107.5°	13.7	15.4	3.4	3.4	3.4	5.1	10.3	10.3	6.9	6.9	12.0
110°	13.7	13.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.9	12.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	10.3	10.3	1.7	3.4	3.4	3.4	1.7	3.4	3.4	5.1	10.3
115°	5.1	3.4	1.7	3.4	1.7	3.4	1.7	3.4	5.1	5.1	12.0
117.5°	1.7	1.7	1.7	1.7	1.7	3.4	1.7	3.4	3.4	8.6	15.4
120°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	12.0	18.9
122.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	12.0	22.3
125°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	8.6	20.6
127.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	8.6	17.2
130°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	6.9	15.4
132.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	6.9	12.0
135°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	8.6
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
140°	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	1.7	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7
150°	6.9	6.9	6.9	5.1	3.4	1.7	5.1	3.4	1.7	1.7	1.7
152.5°	5.1	5.1	8.6	3.4	1.7	1.7	1.7	5.1	5.1	1.7	1.7
155°	5.1	5.1	3.4	1.7	1.7	1.7	1.7	1.7	1.7	5.1	6.9
157.5°	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	3.4	1.7
160°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8
2.5°	974.9	964.6	937.2	911.4	880.5	861.6	796.4	722.6	707.2	703.7	691.7
5°	950.9	928.6	875.4	762.1	648.8	597.3	573.3	554.4	528.7	523.5	516.6
7.5°	806.7	769.0	686.6	547.5	530.4	482.3	442.8	410.2	339.9	321.0	310.7
10°	671.1	638.5	468.6	398.2	362.2	326.1	283.2	250.6	221.4	207.7	202.5
12.5°	542.4	509.8	350.2	315.8	224.9	185.4	161.3	133.9	111.6	99.6	99.6
15°	600.7	547.5	362.2	224.9	147.6	109.9	80.7	72.1	84.1	85.8	85.8
17.5°	490.9	437.7	284.9	175.1	108.1	60.1	65.2	73.8	80.7	70.4	72.1
20°	564.7	490.9	286.6	132.2	68.7	58.4	60.1	54.9	73.8	75.5	75.5
22.5°	427.4	386.2	216.3	104.7	53.2	54.9	51.5	61.8	68.7	60.1	58.4
25°	552.7	454.9	219.7	66.9	53.2	44.6	53.2	48.1	63.5	65.2	65.2
27.5°	633.4	509.8	192.2	58.4	44.6	48.1	42.9	49.8	48.1	48.1	48.1
30°	719.2	556.1	187.1	56.6	42.9	39.5	41.2	39.5	46.3	48.1	48.1
32.5°	719.2	532.1	142.5	56.6	41.2	37.8	32.6	36.0	37.8	41.2	42.9
35°	724.3	511.5	104.7	51.5	37.8	32.6	29.2	29.2	32.6	34.3	34.3
37.5°	739.8	497.8	80.7	48.1	34.3	29.2	24.0	25.7	44.6	49.8	49.8
40°	782.7	497.8	68.7	44.6	30.9	25.7	20.6	32.6	37.8	44.6	44.6
42.5°	849.6	504.6	65.2	42.9	27.5	22.3	17.2	25.7	46.3	53.2	54.9
45°	920.0	518.4	61.8	41.2	25.7	18.9	20.6	30.9	36.0	48.1	48.1
47.5°	1017.8	547.5	60.1	39.5	24.0	15.4	18.9	30.9	39.5	51.5	51.5
50°	1124.3	578.4	56.6	37.8	20.6	13.7	29.2	25.7	32.6	53.2	53.2
52.5°	1234.1	614.5	54.9	36.0	18.9	18.9	32.6	30.9	39.5	51.5	53.2
55°	1330.2	643.7	51.5	36.0	17.2	17.2	34.3	30.9	36.0	48.1	49.8
57.5°	1376.6	648.8	49.8	34.3	15.4	17.2	32.6	37.8	32.6	39.5	42.9
60°	1434.9	662.5	44.6	30.9	13.7	22.3	37.8	49.8	44.6	51.5	54.9
62.5°	1489.9	672.8	39.5	27.5	12.0	24.0	49.8	60.1	48.1	60.1	66.9
65°	1591.1	695.2	32.6	22.3	10.3	27.5	56.6	72.1	53.2	70.4	70.4
67.5°	1731.9	731.2	25.7	18.9	10.3	30.9	58.4	82.4	63.5	77.2	75.5
70°	1786.8	672.8	22.3	17.2	10.3	36.0	63.5	89.3	66.9	85.8	85.8
72.5°	1558.5	485.7	18.9	17.2	17.2	41.2	79.0	97.8	73.8	108.1	106.4
75°	1203.2	305.5	18.9	17.2	20.6	51.5	89.3	104.7	79.0	120.1	118.4
77.5°	801.6	144.2	18.9	18.9	24.0	56.6	96.1	111.6	87.5	133.9	132.2
80°	314.1	79.0	20.6	20.6	29.2	60.1	103.0	115.0	91.0	144.2	142.5
82.5°	151.0	54.9	20.6	20.6	39.5	66.9	109.9	120.1	94.4	145.9	144.2
85°	128.7	51.5	18.9	22.3	48.1	84.1	116.7	118.4	96.1	139.0	139.0
87.5°	115.0	49.8	18.9	22.3	65.2	97.8	121.9	116.7	103.0	135.6	135.6
90°	118.4	53.2	20.6	25.7	73.8	99.6	123.6	116.7	99.6	125.3	125.3
92.5°	127.0	56.6	22.3	27.5	73.8	92.7	115.0	104.7	92.7	106.4	104.7
95°	133.9	60.1	24.0	30.9	65.2	72.1	96.1	84.1	77.2	82.4	82.4
97.5°	103.0	46.3	27.5	34.3	49.8	42.9	60.1	54.9	41.2	34.3	34.3
100°	27.5	15.4	29.2	34.3	34.3	29.2	44.6	41.2	27.5	12.0	12.0
102.5°	10.3	10.3	27.5	32.6	27.5	22.3	32.6	30.9	22.3	3.4	3.4
105°	10.3	8.6	17.2	25.7	17.2	12.0	17.2	20.6	13.7	3.4	3.4
107.5°	10.3	8.6	10.3	15.4	6.9	5.1	6.9	6.9	6.9	1.7	3.4
110°	10.3	8.6	5.1	6.9	5.1	5.1	5.1	3.4	3.4	6.9	6.9

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CATALOG NUMBER: SDL-PA1-50-827-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.3	8.6	5.1	6.9	5.1	5.1	3.4	3.4	5.1	10.3	10.3
115°	10.3	8.6	5.1	5.1	3.4	5.1	3.4	1.7	5.1	12.0	13.7
117.5°	13.7	8.6	3.4	3.4	3.4	3.4	3.4	1.7	5.1	15.4	17.2
120°	17.2	10.3	3.4	3.4	3.4	1.7	3.4	1.7	6.9	15.4	17.2
122.5°	18.9	12.0	3.4	3.4	3.4	1.7	1.7	3.4	6.9	15.4	15.4
125°	18.9	12.0	3.4	3.4	1.7	1.7	1.7	1.7	6.9	15.4	17.2
127.5°	15.4	10.3	3.4	3.4	1.7	1.7	1.7	1.7	6.9	13.7	15.4
130°	13.7	10.3	3.4	3.4	1.7	1.7	1.7	1.7	6.9	12.0	13.7
132.5°	10.3	8.6	3.4	1.7	1.7	1.7	1.7	1.7	6.9	10.3	12.0
135°	8.6	5.1	3.4	1.7	1.7	1.7	1.7	1.7	5.1	10.3	10.3
137.5°	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	5.1
140°	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
142.5°	1.7	3.4	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
145°	1.7	3.4	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
147.5°	1.7	3.4	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
150°	1.7	3.4	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	3.4
152.5°	1.7	3.4	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7
155°	6.9	5.1	3.4	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
160°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
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

(END OF REPORT)