

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: P559893

Luminaire Tested: **SDL-PA1-100-760-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559893
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-PA1-100-760-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 5700K, 1200mA 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: 8103.3 lumens
Efficiency: N/A
Efficacy: 86.4 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 - G3

Input Watts (W): 93.8
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



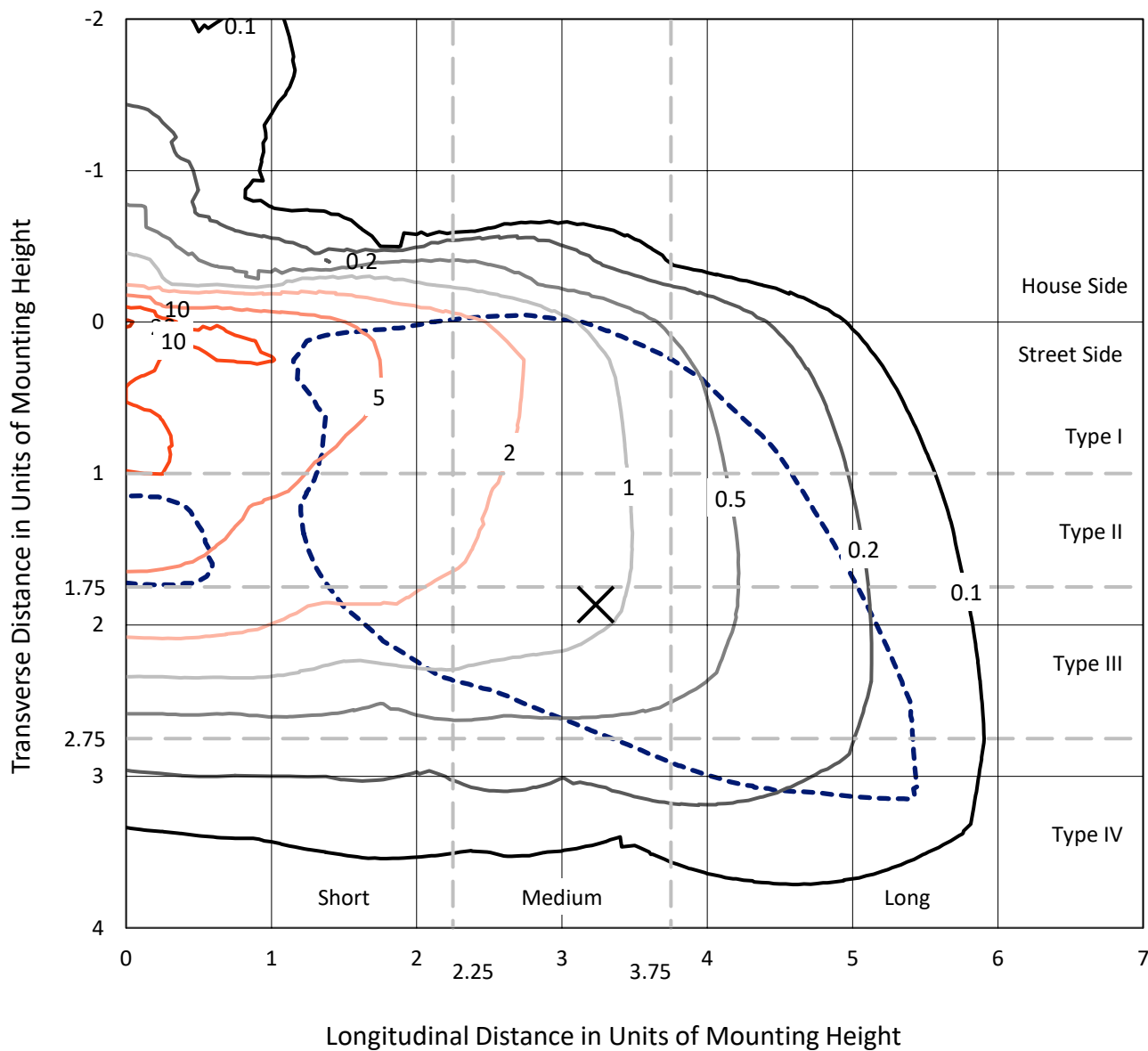
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



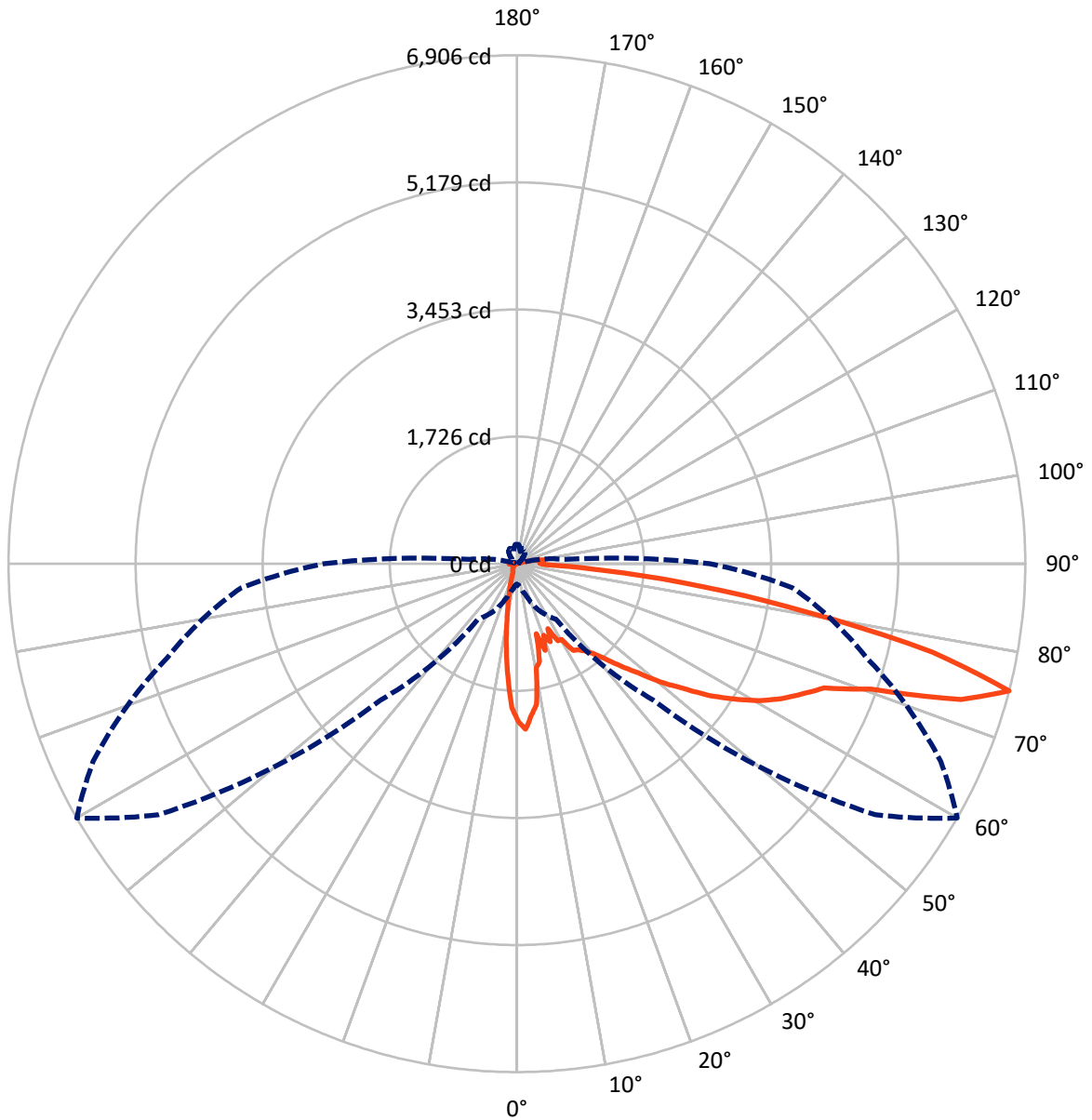
Based on 10 foot mounting height. Maximum calculated value = 21.4 fc

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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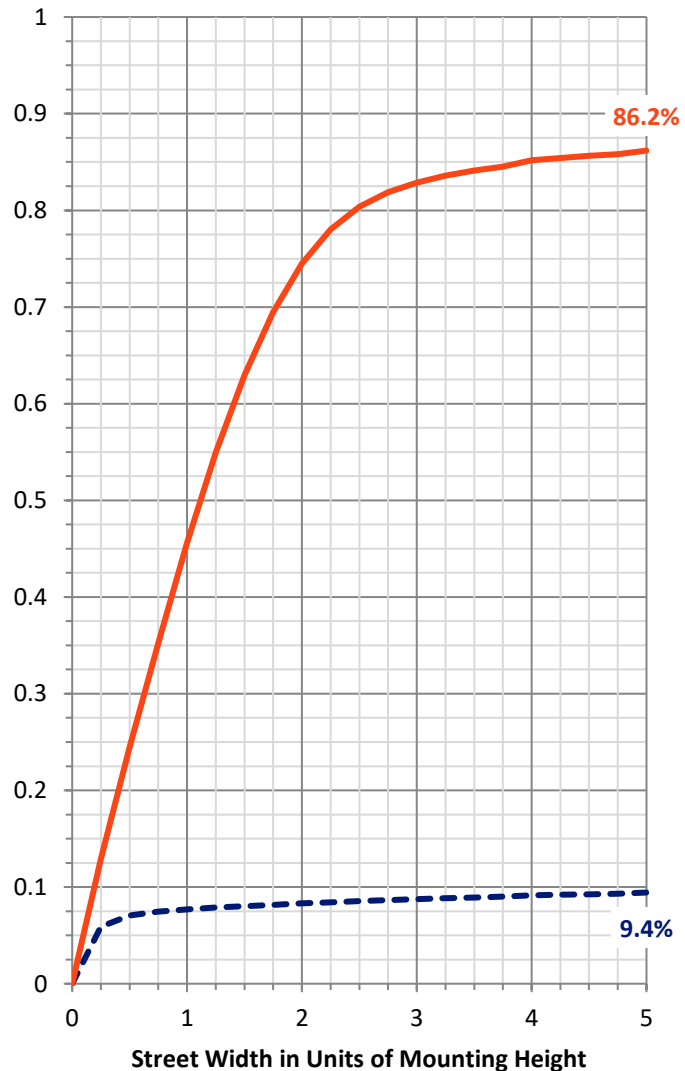
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	837.4	109.1	946.6
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	7042.7	114.1	7156.8
	% Fixture	86.9	1.4	88.3
Total	Lumens	7880.1	223.2	8103.3
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	1.8
10°-20°	243.8	3.0
20°-30°	344.7	4.3
30°-40°	619.5	7.6
40°-50°	1043.9	12.9
50°-60°	1623.6	20.0
60°-70°	1915.9	23.6
70°-80°	1554.1	19.2
80°-90°	385.9	4.8
90°-100°	155.8	1.9
100°-110°	36.1	0.4
110°-120°	11.3	0.1
120°-130°	10.0	0.1
130°-140°	5.3	0.1
140°-150°	2.6	0.0
150°-160°	2.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7880.1	97.2
0°-180°	8103.3	100.0



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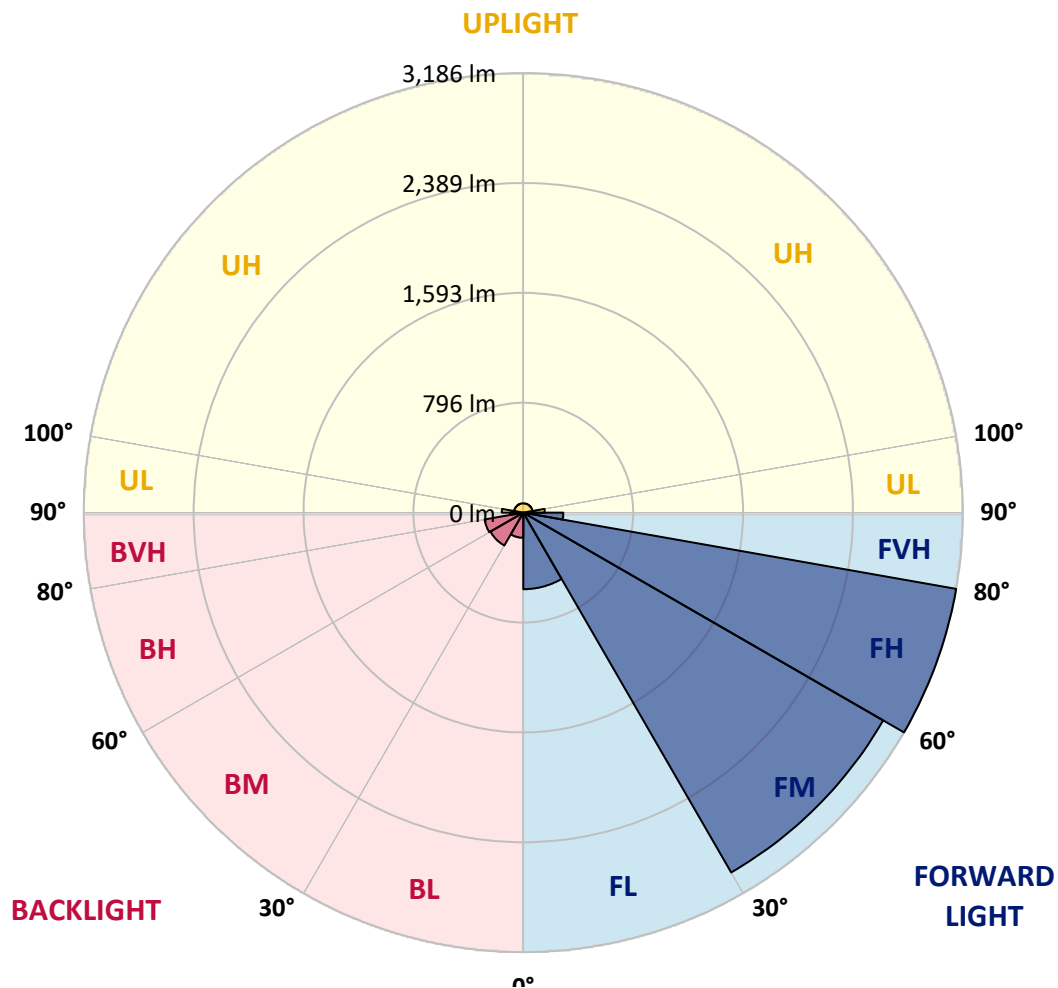
CATALOG NUMBER: SDL-PA1-100-760-U-SL3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	555.1	6.8			
FM	(30°-60°)	3011.7	37.2			
FH	(60°-80°)	3185.8	39.3			G2/5000
FVH	(80°-90°)	290.1	3.6			G3/500
BL	(0°-30°)	182.1	2.2	B1/500		
BM	(30°-60°)	275.3	3.4	B1/1000		
BH	(60°-80°)	284.3	3.5	B1/500		G1/500
BVH	(80°-90°)	95.8	1.2			G1/100
UL	(90°-100°)	155.8	1.9		U3/500	
UH	(100°-180°)	67.5	0.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1
2.5°	2014.8	2168.3	2123.4	2265.7	2284.4	2276.9	2269.4	2250.7	2232.0	2198.3	2145.8
5°	1932.4	1947.3	1936.1	1962.3	1966.1	1977.3	1958.6	2063.4	2239.4	2194.5	2112.1
7.5°	1587.8	1745.1	1763.8	1812.5	1857.5	1902.4	1928.6	1924.9	1700.2	1909.9	1816.3
10°	1621.5	1644.0	1640.3	1674.0	1636.5	1572.9	1434.3	1438.0	1438.0	1483.0	1531.7
12.5°	1284.5	1351.9	1516.7	1569.1	1456.8	1325.7	1336.9	1363.1	1381.9	1172.2	1292.0
15°	1456.8	1460.5	1464.3	1464.3	1097.3	1254.5	1093.5	988.7	1131.0	1385.6	1408.1
17.5°	1142.2	1131.0	1318.2	1303.2	1209.6	932.5	1213.3	1239.6	1190.9	1164.7	1172.2
20°	1340.7	1340.7	1329.4	1059.8	1116.0	1202.1	1041.1	1037.3	1097.3	1363.1	1378.1
22.5°	1086.0	1074.8	1134.7	1179.6	1059.8	1145.9	1026.1	1153.4	1277.0	1205.9	984.9
25°	1359.4	1359.4	1314.5	1022.4	1097.3	984.9	1138.4	977.4	1086.0	1475.5	1404.3
27.5°	1258.3	1224.6	1119.7	1160.9	984.9	1145.9	1048.6	1187.1	1254.5	1527.9	1636.5
30°	1625.3	1614.0	1494.2	1168.4	1119.7	1052.3	1127.2	1194.6	1445.5	1981.0	1891.2
32.5°	2168.3	2108.4	1700.2	1445.5	1175.9	1247.0	1202.1	1404.3	1587.8	2026.0	1917.4
35°	2314.3	2269.4	2074.7	1756.4	1318.2	1318.2	1292.0	1434.3	1629.0	2123.4	1973.6
37.5°	2363.0	2359.3	2291.9	1921.1	1512.9	1516.7	1366.9	1505.4	1711.4	2254.4	2055.9
40°	2393.0	2400.5	2467.9	2093.4	1718.9	1711.4	1505.4	1606.6	1838.7	2396.7	2205.7
42.5°	2520.3	2561.5	2643.9	2284.4	1913.6	1917.4	1674.0	1767.6	2007.3	2632.7	2411.7
45°	2804.9	2816.2	2864.8	2546.5	2097.1	2123.4	1887.4	1984.8	2213.2	2891.1	2643.9
47.5°	3235.6	3235.6	3153.2	2752.5	2314.3	2351.8	2112.1	2213.2	2456.7	3269.3	2913.5
50°	3617.6	3587.6	3407.9	2995.9	2490.4	2572.7	2408.0	2524.1	2662.6	3557.6	3250.6
52.5°	3857.2	3846.0	3625.1	3160.7	2677.6	2816.2	2651.4	2801.2	2902.3	3857.2	3553.9
55°	3823.5	3823.5	3681.2	3246.8	2849.9	3037.1	2966.0	3153.2	3190.6	4141.9	3774.9
57.5°	3696.2	3714.9	3647.5	3280.5	2883.6	3246.8	3288.0	3464.0	3527.7	4306.6	3913.4
60°	3437.8	3475.3	3546.4	3325.5	3014.6	3482.8	3617.6	3774.9	3894.7	4430.2	4029.5
62.5°	2954.7	3003.4	3254.3	3321.7	3115.8	3726.2	3898.4	4037.0	4149.3	4497.6	4111.9
65°	2239.4	2329.3	2692.6	3082.0	3108.3	4010.8	4126.9	4261.7	4370.3	4565.0	4325.4
67.5°	1430.5	1434.3	1827.5	2546.5	2898.5	4411.5	4434.0	4501.4	4572.5	4752.3	4628.7
70°	737.7	775.2	962.4	1625.3	2374.3	4493.9	5201.7	5104.3	4995.7	5160.5	5021.9
72.5°	490.6	531.8	632.9	876.3	1490.5	4052.0	6036.8	6306.4	5827.1	5463.8	4677.4
75°	277.1	299.6	423.2	692.8	921.2	2617.7	5943.1	6905.6	6351.3	4909.6	3759.9
77.5°	123.6	131.1	191.0	543.0	790.2	1277.0	4677.4	5770.9	5549.9	4093.2	2711.3
80°	67.4	67.4	89.9	250.9	670.3	962.4	3104.5	4018.3	3774.9	2467.9	1232.1
82.5°	37.4	41.2	52.4	119.8	408.2	880.0	1962.3	2520.3	1992.3	677.8	498.1
85°	15.0	15.0	22.5	63.7	149.8	745.2	1074.8	1198.4	805.2	344.5	385.7
87.5°	7.5	7.5	7.5	22.5	48.7	191.0	352.0	378.2	295.8	273.4	333.3
90°	11.2	11.2	7.5	7.5	33.7	202.2	295.8	310.8	243.4	273.4	337.0
92.5°	15.0	11.2	7.5	7.5	26.2	202.2	337.0	333.3	243.4	273.4	348.3
95°	18.7	15.0	7.5	7.5	26.2	179.8	404.4	363.3	262.1	277.1	367.0
97.5°	18.7	18.7	7.5	7.5	26.2	138.6	426.9	367.0	228.4	179.8	250.9
100°	22.5	22.5	7.5	7.5	30.0	82.4	295.8	273.4	161.0	59.9	71.2
102.5°	26.2	26.2	7.5	7.5	18.7	41.2	142.3	138.6	89.9	15.0	26.2
105°	26.2	30.0	7.5	7.5	7.5	18.7	52.4	63.7	44.9	15.0	26.2
107.5°	30.0	33.7	7.5	7.5	7.5	11.2	22.5	22.5	15.0	15.0	26.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	22.5	22.5	3.7	7.5	7.5	7.5	3.7	7.5	7.5	11.2	22.5
115°	11.2	7.5	3.7	7.5	3.7	7.5	3.7	7.5	11.2	11.2	26.2
117.5°	3.7	3.7	3.7	3.7	3.7	7.5	3.7	7.5	7.5	18.7	33.7
120°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5	26.2	41.2
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5	26.2	48.7
125°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5	18.7	44.9
127.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5	18.7	37.4
130°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5	15.0	33.7
132.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	15.0	26.2
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	18.7
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5
140°	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	3.7	7.5	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	7.5	7.5	3.7	3.7	3.7	3.7	3.7	3.7
150°	15.0	15.0	15.0	11.2	7.5	3.7	11.2	7.5	3.7	3.7	3.7
152.5°	11.2	11.2	18.7	7.5	3.7	3.7	3.7	11.2	11.2	3.7	3.7
155°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	3.7	3.7	11.2	15.0
157.5°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	7.5	3.7
160°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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°	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1
2.5°	2127.1	2104.6	2044.7	1988.5	1921.1	1879.9	1737.6	1576.6	1542.9	1535.4	1509.2
5°	2074.7	2026.0	1909.9	1662.7	1415.6	1303.2	1250.8	1209.6	1153.4	1142.2	1127.2
7.5°	1760.1	1677.7	1498.0	1194.6	1157.2	1052.3	966.2	895.0	741.5	700.3	677.8
10°	1464.3	1393.1	1022.4	868.8	790.2	711.5	617.9	546.8	483.1	453.1	441.9
12.5°	1183.4	1112.2	764.0	689.1	490.6	404.4	352.0	292.1	243.4	217.2	217.2
15°	1310.7	1194.6	790.2	490.6	322.1	239.7	176.0	157.3	183.5	187.2	187.2
17.5°	1071.0	954.9	621.7	382.0	235.9	131.1	142.3	161.0	176.0	153.5	157.3
20°	1232.1	1071.0	625.4	288.4	149.8	127.3	131.1	119.8	161.0	164.8	164.8
22.5°	932.5	842.6	471.9	228.4	116.1	119.8	112.3	134.8	149.8	131.1	127.3
25°	1205.9	992.4	479.3	146.1	116.1	97.4	116.1	104.9	138.6	142.3	142.3
27.5°	1381.9	1112.2	419.4	127.3	97.4	104.9	93.6	108.6	104.9	104.9	104.9
30°	1569.1	1213.3	408.2	123.6	93.6	86.1	89.9	86.1	101.1	104.9	104.9
32.5°	1569.1	1160.9	310.8	123.6	89.9	82.4	71.2	78.6	82.4	89.9	93.6
35°	1580.3	1116.0	228.4	112.3	82.4	71.2	63.7	63.7	71.2	74.9	74.9
37.5°	1614.0	1086.0	176.0	104.9	74.9	63.7	52.4	56.2	97.4	108.6	108.6
40°	1707.7	1086.0	149.8	97.4	67.4	56.2	44.9	71.2	82.4	97.4	97.4
42.5°	1853.7	1101.0	142.3	93.6	59.9	48.7	37.4	56.2	101.1	116.1	119.8
45°	2007.3	1131.0	134.8	89.9	56.2	41.2	44.9	67.4	78.6	104.9	104.9
47.5°	2220.7	1194.6	131.1	86.1	52.4	33.7	41.2	67.4	86.1	112.3	112.3
50°	2452.9	1262.0	123.6	82.4	44.9	30.0	63.7	56.2	71.2	116.1	116.1
52.5°	2692.6	1340.7	119.8	78.6	41.2	41.2	71.2	67.4	86.1	112.3	116.1
55°	2902.3	1404.3	112.3	78.6	37.4	37.4	74.9	67.4	78.6	104.9	108.6
57.5°	3003.4	1415.6	108.6	74.9	33.7	37.4	71.2	82.4	71.2	86.1	93.6
60°	3130.7	1445.5	97.4	67.4	30.0	48.7	82.4	108.6	97.4	112.3	119.8
62.5°	3250.6	1468.0	86.1	59.9	26.2	52.4	108.6	131.1	104.9	131.1	146.1
65°	3471.5	1516.7	71.2	48.7	22.5	59.9	123.6	157.3	116.1	153.5	153.5
67.5°	3778.6	1595.3	56.2	41.2	22.5	67.4	127.3	179.8	138.6	168.5	164.8
70°	3898.4	1468.0	48.7	37.4	22.5	78.6	138.6	194.7	146.1	187.2	187.2
72.5°	3400.4	1059.8	41.2	37.4	37.4	89.9	172.3	213.5	161.0	235.9	232.2
75°	2625.2	666.6	41.2	37.4	44.9	112.3	194.7	228.4	172.3	262.1	258.4
77.5°	1748.9	314.6	41.2	41.2	52.4	123.6	209.7	243.4	191.0	292.1	288.4
80°	685.3	172.3	44.9	44.9	63.7	131.1	224.7	250.9	198.5	314.6	310.8
82.5°	329.6	119.8	44.9	44.9	86.1	146.1	239.7	262.1	206.0	318.3	314.6
85°	280.9	112.3	41.2	48.7	104.9	183.5	254.7	258.4	209.7	303.3	303.3
87.5°	250.9	108.6	41.2	48.7	142.3	213.5	265.9	254.7	224.7	295.8	295.8
90°	258.4	116.1	44.9	56.2	161.0	217.2	269.6	254.7	217.2	273.4	273.4
92.5°	277.1	123.6	48.7	59.9	161.0	202.2	250.9	228.4	202.2	232.2	228.4
95°	292.1	131.1	52.4	67.4	142.3	157.3	209.7	183.5	168.5	179.8	179.8
97.5°	224.7	101.1	59.9	74.9	108.6	93.6	131.1	119.8	89.9	74.9	74.9
100°	59.9	33.7	63.7	74.9	74.9	63.7	97.4	89.9	59.9	26.2	26.2
102.5°	22.5	22.5	59.9	71.2	59.9	48.7	71.2	67.4	48.7	7.5	7.5
105°	22.5	18.7	37.4	56.2	37.4	26.2	37.4	44.9	30.0	7.5	7.5
107.5°	22.5	18.7	22.5	33.7	15.0	11.2	15.0	15.0	15.0	3.7	7.5



REPORT NUMBER: P559893

CATALOG NUMBER: SDL-PA1-100-760-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.5	18.7	11.2	15.0	11.2	11.2	7.5	7.5	11.2	22.5	22.5
115°	22.5	18.7	11.2	11.2	7.5	11.2	7.5	3.7	11.2	26.2	30.0
117.5°	30.0	18.7	7.5	7.5	7.5	7.5	7.5	3.7	11.2	33.7	37.4
120°	37.4	22.5	7.5	7.5	7.5	3.7	7.5	3.7	15.0	33.7	37.4
122.5°	41.2	26.2	7.5	7.5	7.5	3.7	3.7	7.5	15.0	33.7	33.7
125°	41.2	26.2	7.5	7.5	3.7	3.7	3.7	3.7	15.0	33.7	37.4
127.5°	33.7	22.5	7.5	7.5	3.7	3.7	3.7	3.7	15.0	30.0	33.7
130°	30.0	22.5	7.5	7.5	3.7	3.7	3.7	3.7	15.0	26.2	30.0
132.5°	22.5	18.7	7.5	3.7	3.7	3.7	3.7	3.7	15.0	22.5	26.2
135°	18.7	11.2	7.5	3.7	3.7	3.7	3.7	3.7	11.2	22.5	22.5
137.5°	7.5	7.5	3.7	3.7	3.7	3.7	3.7	3.7	7.5	11.2	11.2
140°	7.5	7.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5
142.5°	3.7	7.5	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
145°	3.7	7.5	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
147.5°	3.7	7.5	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
150°	3.7	7.5	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	7.5
152.5°	3.7	7.5	3.7	3.7	3.7	0.0	0.0	3.7	3.7	3.7	3.7
155°	15.0	11.2	7.5	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
157.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
160°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
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



Report Generated By 670245982





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110°	30.0	30.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	15.0	26.2
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110°	22.5	18.7	11.2	15.0	11.2	11.2	11.2	7.5	7.5	15.0	15.0
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(END OF REPORT)