

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: P559848

Luminaire Tested: **SDL-PA1-100-740-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-740-U-SL3-A
Description: Springdale
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9601.2 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B2 - 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



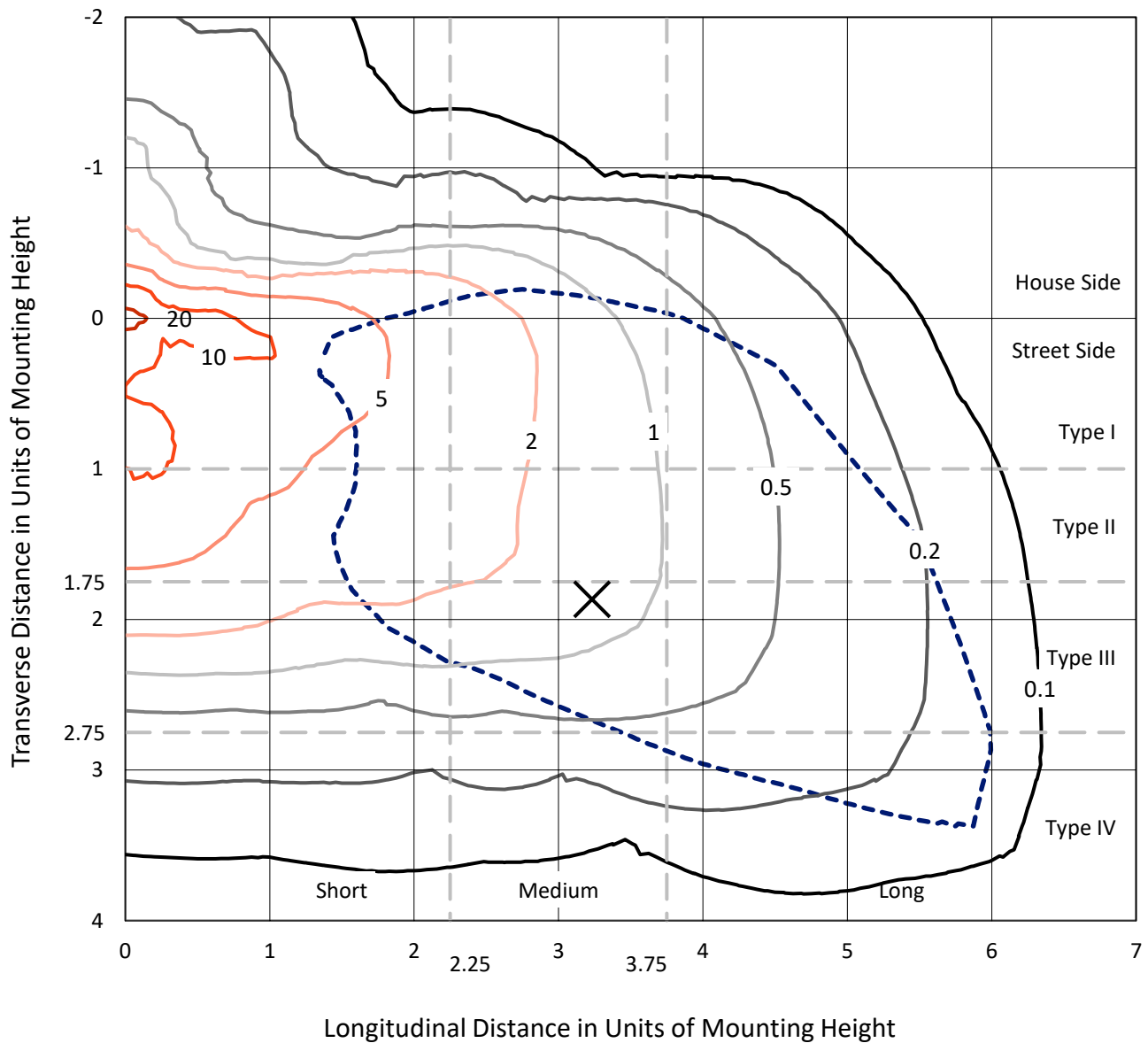
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



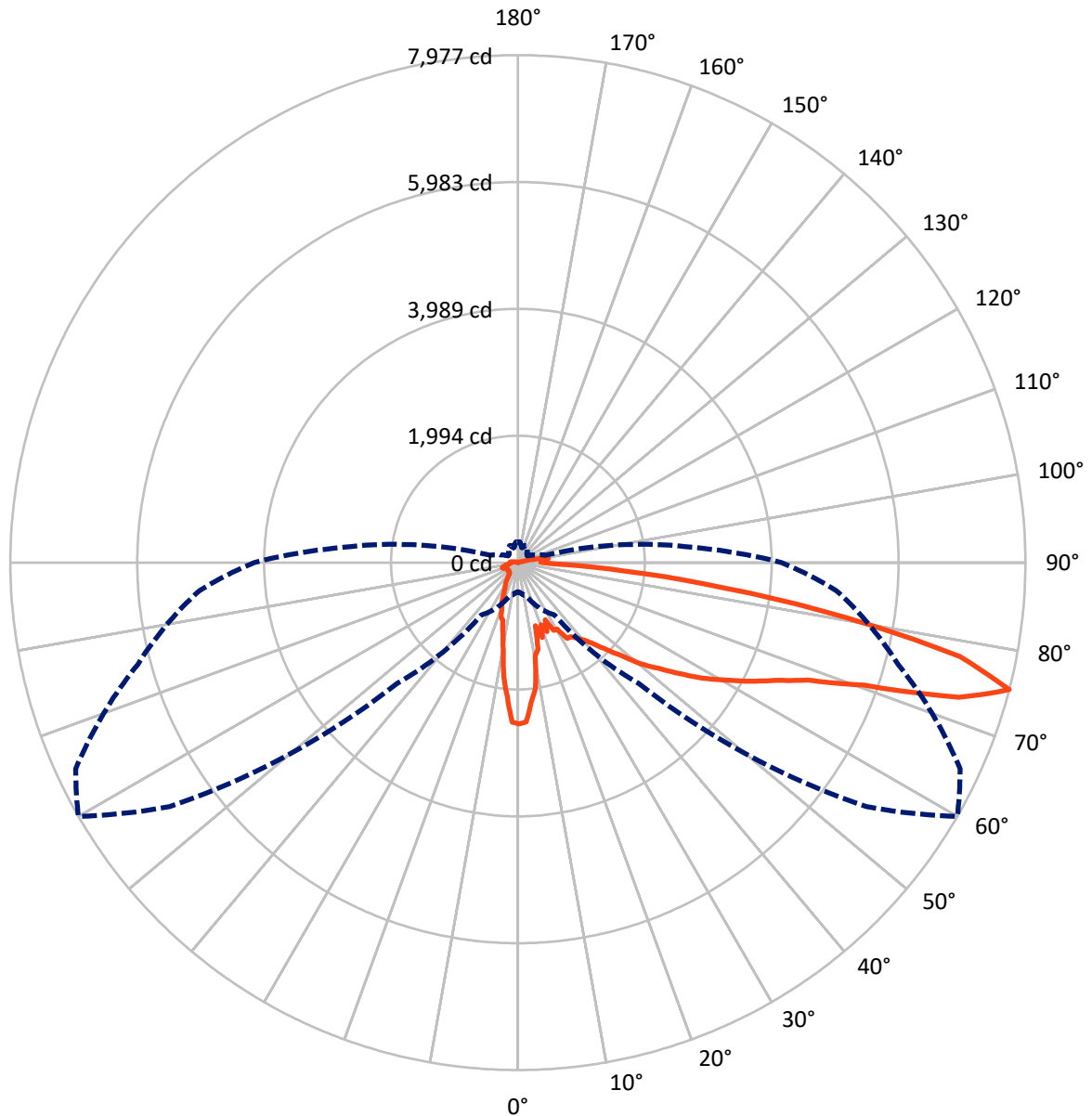
Based on 10 foot mounting height. Maximum calculated value = 25.4 fc

Type III - 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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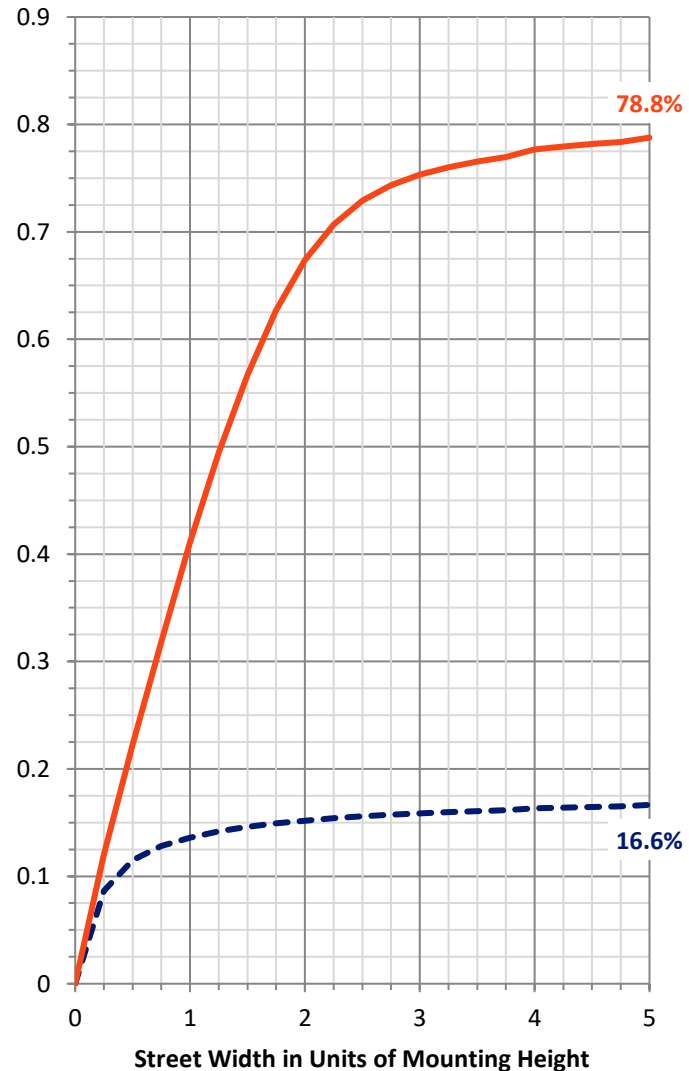
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1685.6	127.7	1813.3
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	7652.8	135.1	7787.9
	% Fixture	79.7	1.4	81.1
Total	Lumens	9338.3	262.9	9601.2
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	1.9
10°-20°	332.0	3.5
20°-30°	430.3	4.5
30°-40°	717.1	7.5
40°-50°	1148.2	12.0
50°-60°	1762.8	18.4
60°-70°	2202.6	22.9
70°-80°	2009.0	20.9
80°-90°	549.7	5.7
90°-100°	184.6	1.9
100°-110°	42.0	0.4
110°-120°	13.3	0.1
120°-130°	12.4	0.1
130°-140°	5.9	0.1
140°-150°	2.4	0.0
150°-160°	2.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9338.3	97.3
0°-180°	9601.2	100.0



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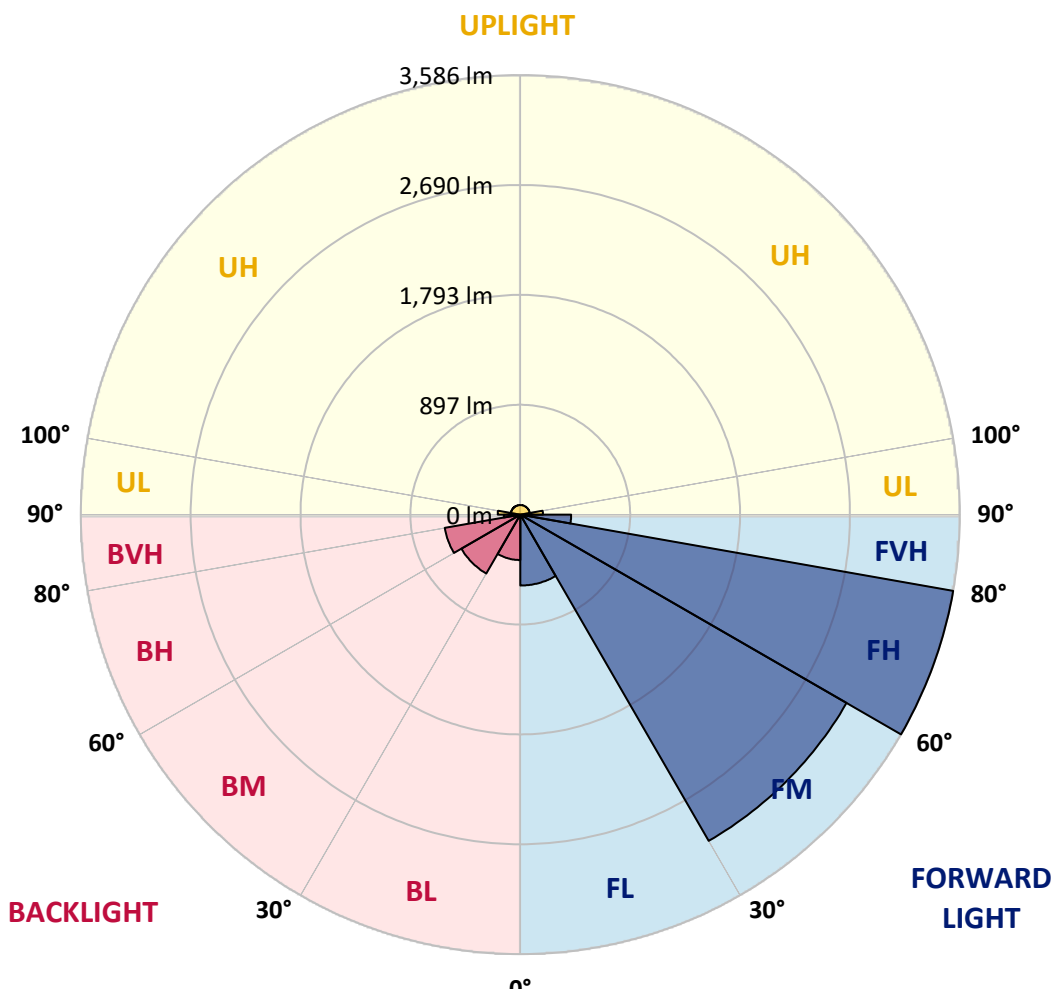
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	578.3	6.0			
FM	(30°-60°)	3073.4	32.0			
FH	(60°-80°)	3586.2	37.4			G2/5000
FVH	(80°-90°)	414.8	4.3			G3/500
BL	(0°-30°)	370.6	3.9	B1/500		
BM	(30°-60°)	554.7	5.8	B1/1000		
BH	(60°-80°)	625.4	6.5	B2/1000		G2/1000
BVH	(80°-90°)	134.9	1.4			G2/225
UL	(90°-100°)	184.6	1.9		U3/500	
UH	(100°-180°)	78.3	0.8		U3/500	

BUG Rating: B2-U3-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6
2.5°	2127.3	2325.8	2307.1	2460.6	2460.6	2494.4	2509.3	2505.6	2520.6	2535.6	2531.8
5°	1958.8	1962.5	1977.5	2011.2	2022.5	2033.7	2071.1	2202.2	2423.2	2475.6	2475.6
7.5°	1618.0	1707.8	1820.2	1838.9	1906.3	1940.1	1981.3	1988.7	1838.9	2108.6	2134.8
10°	1640.4	1644.2	1636.7	1677.9	1629.2	1610.5	1479.4	1486.9	1501.9	1603.0	1805.2
12.5°	1284.6	1359.5	1520.6	1595.5	1475.6	1344.6	1337.1	1400.7	1427.0	1277.1	1591.7
15°	1468.1	1475.6	1479.4	1483.1	1101.1	1277.1	1116.1	1026.2	1149.8	1449.4	1647.9
17.5°	1149.8	1157.3	1333.3	1329.6	1213.5	981.3	1213.5	1239.7	1191.0	1232.2	1378.3
20°	1348.3	1352.0	1340.8	1041.2	1063.7	1202.2	1044.9	1041.2	1101.1	1419.5	1603.0
22.5°	1108.6	1093.6	1089.9	1191.0	1082.4	1157.3	1015.0	1176.0	1277.1	1265.9	1209.7
25°	1389.5	1385.8	1329.6	1037.4	1108.6	981.3	1187.3	996.2	1104.9	1531.8	1603.0
27.5°	1299.6	1247.2	1153.5	1198.5	1033.7	1149.8	1056.2	1206.0	1273.4	1573.0	1857.7
30°	1681.6	1644.2	1535.6	1209.7	1142.3	1059.9	1131.1	1209.7	1449.4	2026.2	2123.6
32.5°	2221.0	2179.8	1790.2	1483.1	1198.5	1254.7	1191.0	1419.5	1599.2	2067.4	2142.3
35°	2385.7	2329.6	2138.6	1797.7	1374.5	1333.3	1269.6	1430.7	1621.7	2176.0	2176.0
37.5°	2479.4	2475.6	2385.7	1985.0	1550.5	1528.1	1367.0	1501.9	1711.6	2280.9	2258.4
40°	2494.4	2513.1	2554.3	2149.8	1760.3	1711.6	1494.4	1599.2	1838.9	2408.2	2363.3
42.5°	2618.0	2651.7	2745.3	2367.0	1970.0	1925.1	1644.2	1741.6	1977.5	2595.5	2584.2
45°	2816.5	2850.2	2932.6	2606.7	2153.5	2123.6	1887.6	1947.5	2202.2	2925.1	2820.2
47.5°	3228.4	3235.9	3202.2	2805.2	2352.0	2352.0	2123.6	2179.8	2404.5	3228.4	3127.3
50°	3640.4	3595.5	3445.7	3041.2	2550.5	2606.7	2367.0	2498.1	2632.9	3535.5	3397.0
52.5°	3868.9	3861.4	3659.1	3220.9	2722.8	2831.4	2647.9	2760.3	2842.7	3846.4	3651.6
55°	3876.4	3865.1	3726.6	3307.1	2883.9	3063.6	2928.8	3074.9	3134.8	4089.8	4000.0
57.5°	3752.8	3782.7	3711.6	3355.8	2962.5	3288.4	3269.6	3426.9	3456.9	4378.2	4239.7
60°	3558.0	3554.3	3640.4	3400.7	3082.4	3501.8	3584.2	3745.3	3906.3	4599.2	4453.1
62.5°	3071.1	3104.8	3348.3	3400.7	3213.4	3779.0	3936.3	4104.8	4303.3	4801.4	4644.1
65°	2404.5	2423.2	2805.2	3153.5	3250.9	4149.8	4292.1	4460.6	4670.4	5007.4	4857.6
67.5°	1453.2	1576.8	1906.3	2595.5	3059.9	4595.5	4857.6	4928.8	5048.6	5239.6	5172.2
70°	827.7	865.2	1022.5	1632.9	2554.3	4737.8	5898.8	5771.5	5647.9	5692.8	5565.5
72.5°	629.2	651.7	722.8	966.3	1528.1	4183.5	6775.2	7247.1	6715.3	6164.7	5554.2
75°	456.9	479.4	550.6	779.0	1003.7	2681.6	6685.3	7977.4	7670.3	6187.2	5022.4
77.5°	284.6	288.4	329.6	662.9	902.6	1344.6	5232.2	7104.8	7239.6	5779.0	4164.8
80°	198.5	202.2	209.7	355.8	831.5	1078.6	3513.1	5217.2	5408.2	4022.4	2123.6
82.5°	142.3	149.8	157.3	209.7	539.3	1030.0	2187.2	3284.6	2895.1	1456.9	861.4
85°	74.9	82.4	101.1	127.3	217.2	1119.8	1310.8	1670.4	1322.1	591.8	513.1
87.5°	30.0	26.2	22.5	33.7	59.9	430.7	509.4	561.8	434.5	333.3	408.2
90°	26.2	22.5	15.0	18.7	26.2	153.6	322.1	359.5	299.6	325.8	412.0
92.5°	26.2	22.5	15.0	15.0	26.2	153.6	385.8	393.3	310.9	333.3	430.7
95°	26.2	26.2	15.0	15.0	26.2	138.6	456.9	449.4	322.1	352.1	456.9
97.5°	26.2	26.2	11.2	15.0	26.2	93.6	471.9	486.9	314.6	250.9	378.3
100°	26.2	26.2	11.2	11.2	22.5	59.9	329.6	355.8	232.2	82.4	93.6
102.5°	26.2	26.2	11.2	11.2	15.0	41.2	146.1	176.0	138.6	26.2	30.0
105°	26.2	30.0	7.5	7.5	11.2	22.5	63.7	71.2	56.2	18.7	33.7
107.5°	30.0	33.7	7.5	7.5	7.5	11.2	22.5	26.2	15.0	15.0	33.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	26.2	22.5	3.7	7.5	7.5	7.5	7.5	7.5	7.5	15.0	37.5
115°	15.0	11.2	3.7	7.5	7.5	7.5	3.7	7.5	11.2	15.0	33.7
117.5°	15.0	11.2	3.7	3.7	3.7	7.5	3.7	3.7	11.2	18.7	41.2
120°	11.2	11.2	3.7	3.7	3.7	3.7	3.7	7.5	7.5	26.2	56.2
122.5°	11.2	11.2	3.7	3.7	3.7	3.7	3.7	7.5	7.5	26.2	56.2
125°	15.0	15.0	7.5	3.7	3.7	3.7	3.7	7.5	7.5	22.5	52.4
127.5°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	7.5	7.5	18.7	41.2
130°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	7.5	3.7	18.7	33.7
132.5°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	3.7	3.7	11.2	26.2
135°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	3.7	3.7	7.5	18.7
137.5°	7.5	7.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5
140°	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	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	7.5	3.7	3.7	3.7	3.7	3.7
150°	7.5	7.5	15.0	11.2	7.5	3.7	3.7	3.7	3.7	3.7	3.7
152.5°	15.0	15.0	15.0	11.2	3.7	3.7	7.5	11.2	3.7	3.7	3.7
155°	11.2	11.2	11.2	3.7	3.7	3.7	3.7	3.7	7.5	11.2	11.2
157.5°	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	3.7	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°	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6	2535.6
2.5°	2520.6	2528.1	2520.6	2513.1	2505.6	2483.1	2329.6	2142.3	2127.3	2142.3	2134.8
5°	2456.9	2456.9	2453.2	2194.7	2041.2	1996.2	1985.0	1973.8	1951.3	1940.1	1947.5
7.5°	2119.8	2108.6	1977.5	1745.3	1891.4	1838.9	1809.0	1794.0	1569.3	1486.9	1494.4
10°	1771.5	1771.5	1471.9	1389.5	1382.0	1404.5	1558.0	1546.8	1516.8	1498.1	1516.8
12.5°	1528.1	1591.7	1168.5	1250.9	1015.0	1123.6	1228.5	1303.4	1074.9	1011.2	1022.5
15°	1621.7	1599.2	1284.6	981.3	895.1	943.8	756.5	947.6	932.6	902.6	898.9
17.5°	1415.7	1299.6	1071.1	921.3	883.9	666.7	647.9	670.4	614.2	561.8	588.0
20°	1539.3	1475.6	1134.8	820.2	681.6	606.7	456.9	427.0	543.1	569.3	565.5
22.5°	1284.6	1071.1	928.8	816.5	550.6	434.5	344.6	378.3	404.5	430.7	441.9
25°	1509.3	1393.2	1015.0	610.5	445.7	318.3	310.9	280.9	423.2	483.1	479.4
27.5°	1741.6	1576.8	977.5	573.0	322.1	273.4	250.9	284.6	295.9	333.3	355.8
30°	1947.5	1749.0	1131.1	531.8	269.7	206.0	224.7	232.2	288.4	310.9	310.9
32.5°	1940.1	1700.4	1011.2	453.2	221.0	187.3	187.3	221.0	254.7	307.1	310.9
35°	1936.3	1662.9	902.6	352.1	194.8	164.8	172.3	209.7	254.7	284.6	288.4
37.5°	1981.3	1651.7	794.0	284.6	176.0	157.3	164.8	198.5	273.4	303.4	303.4
40°	2048.7	1659.2	685.4	243.4	168.5	153.6	157.3	209.7	247.2	273.4	273.4
42.5°	2254.7	1767.8	591.8	224.7	168.5	149.8	149.8	194.8	250.9	295.9	299.6
45°	2408.2	1853.9	520.6	224.7	164.8	142.3	157.3	194.8	221.0	325.8	348.3
47.5°	2655.4	2011.2	453.2	224.7	164.8	138.6	146.1	191.0	232.2	374.5	389.5
50°	2902.6	2168.5	423.2	224.7	164.8	134.8	164.8	183.5	232.2	389.5	400.7
52.5°	3164.8	2363.3	404.5	224.7	164.8	142.3	179.8	221.0	250.9	348.3	344.6
55°	3434.4	2535.6	393.3	232.2	164.8	142.3	194.8	206.0	213.5	269.7	277.2
57.5°	3685.4	2745.3	415.7	232.2	161.0	149.8	183.5	202.2	187.3	236.0	239.7
60°	3883.9	2936.3	471.9	224.7	157.3	149.8	187.3	221.0	209.7	258.4	265.9
62.5°	4112.3	3138.5	603.0	228.5	157.3	153.6	209.7	239.7	213.5	254.7	269.7
65°	4411.9	3445.7	749.1	250.9	161.0	161.0	213.5	258.4	213.5	250.9	250.9
67.5°	4749.0	3730.3	749.1	292.1	172.3	172.3	213.5	273.4	228.5	250.9	250.9
70°	4996.2	3745.3	618.0	322.1	187.3	183.5	221.0	284.6	232.2	277.2	273.4
72.5°	4722.8	3337.0	513.1	318.3	202.2	191.0	250.9	292.1	236.0	314.6	310.9
75°	4146.0	2752.8	445.7	284.6	183.5	194.8	262.2	299.6	239.7	329.6	322.1
77.5°	3269.6	2007.5	378.3	239.7	161.0	187.3	269.7	307.1	247.2	348.3	344.6
80°	1584.3	1007.5	307.1	202.2	146.1	179.8	269.7	303.4	243.4	359.5	359.5
82.5°	715.3	501.9	209.7	138.6	146.1	183.5	277.2	307.1	243.4	352.1	348.3
85°	464.4	344.6	134.8	108.6	146.1	209.7	280.9	292.1	232.2	325.8	325.8
87.5°	348.3	239.7	71.2	67.4	161.0	228.5	280.9	269.7	224.7	307.1	299.6
90°	355.8	254.7	74.9	67.4	172.3	232.2	280.9	265.9	217.2	277.2	277.2
92.5°	385.8	280.9	86.1	74.9	176.0	209.7	265.9	239.7	202.2	239.7	236.0
95°	419.5	314.6	101.1	86.1	153.6	153.6	209.7	194.8	172.3	183.5	183.5
97.5°	307.1	224.7	89.9	93.6	116.1	97.4	138.6	131.1	89.9	82.4	78.7
100°	89.9	74.9	82.4	89.9	82.4	71.2	104.9	101.1	59.9	30.0	30.0
102.5°	33.7	37.5	74.9	82.4	63.7	52.4	74.9	82.4	48.7	7.5	11.2
105°	30.0	26.2	52.4	63.7	37.5	30.0	37.5	52.4	30.0	7.5	7.5
107.5°	33.7	26.2	26.2	33.7	15.0	15.0	15.0	18.7	11.2	7.5	7.5



REPORT NUMBER: P559848

CATALOG NUMBER: SDL-PA1-100-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.7	26.2	15.0	15.0	11.2	11.2	7.5	7.5	11.2	18.7	18.7
115°	37.5	30.0	15.0	11.2	7.5	11.2	7.5	3.7	11.2	26.2	26.2
117.5°	44.9	33.7	11.2	11.2	7.5	7.5	7.5	3.7	11.2	33.7	37.5
120°	56.2	41.2	15.0	7.5	7.5	7.5	7.5	3.7	15.0	37.5	41.2
122.5°	56.2	44.9	15.0	7.5	7.5	3.7	3.7	7.5	15.0	37.5	41.2
125°	52.4	41.2	15.0	7.5	7.5	3.7	3.7	3.7	18.7	37.5	41.2
127.5°	41.2	37.5	15.0	7.5	3.7	3.7	3.7	7.5	15.0	33.7	33.7
130°	33.7	30.0	11.2	7.5	3.7	3.7	3.7	3.7	15.0	26.2	30.0
132.5°	26.2	22.5	11.2	7.5	3.7	3.7	3.7	3.7	15.0	26.2	26.2
135°	18.7	18.7	7.5	3.7	3.7	3.7	3.7	3.7	11.2	18.7	22.5
137.5°	7.5	7.5	7.5	3.7	3.7	3.7	3.7	3.7	7.5	11.2	11.2
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	7.5	7.5
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	7.5
145°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
150°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	7.5	7.5
155°	11.2	11.2	11.2	7.5	3.7	0.0	0.0	0.0	3.7	3.7	7.5
157.5°	3.7	3.7	3.7	3.7	3.7	3.7	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



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110°	33.7	33.7	7.5	7.5	7.5	11.2	7.5	7.5	11.2	15.0	37.5
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110°	33.7	26.2	15.0	15.0	11.2	11.2	11.2	7.5	7.5	7.5	7.5
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