

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: P559864

Luminaire Tested: **SDL-PA1-100-740-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
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-T4W-A
Description: Springdale
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9518.8 lumens
Efficiency: N/A
Efficacy: 101.5 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): 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

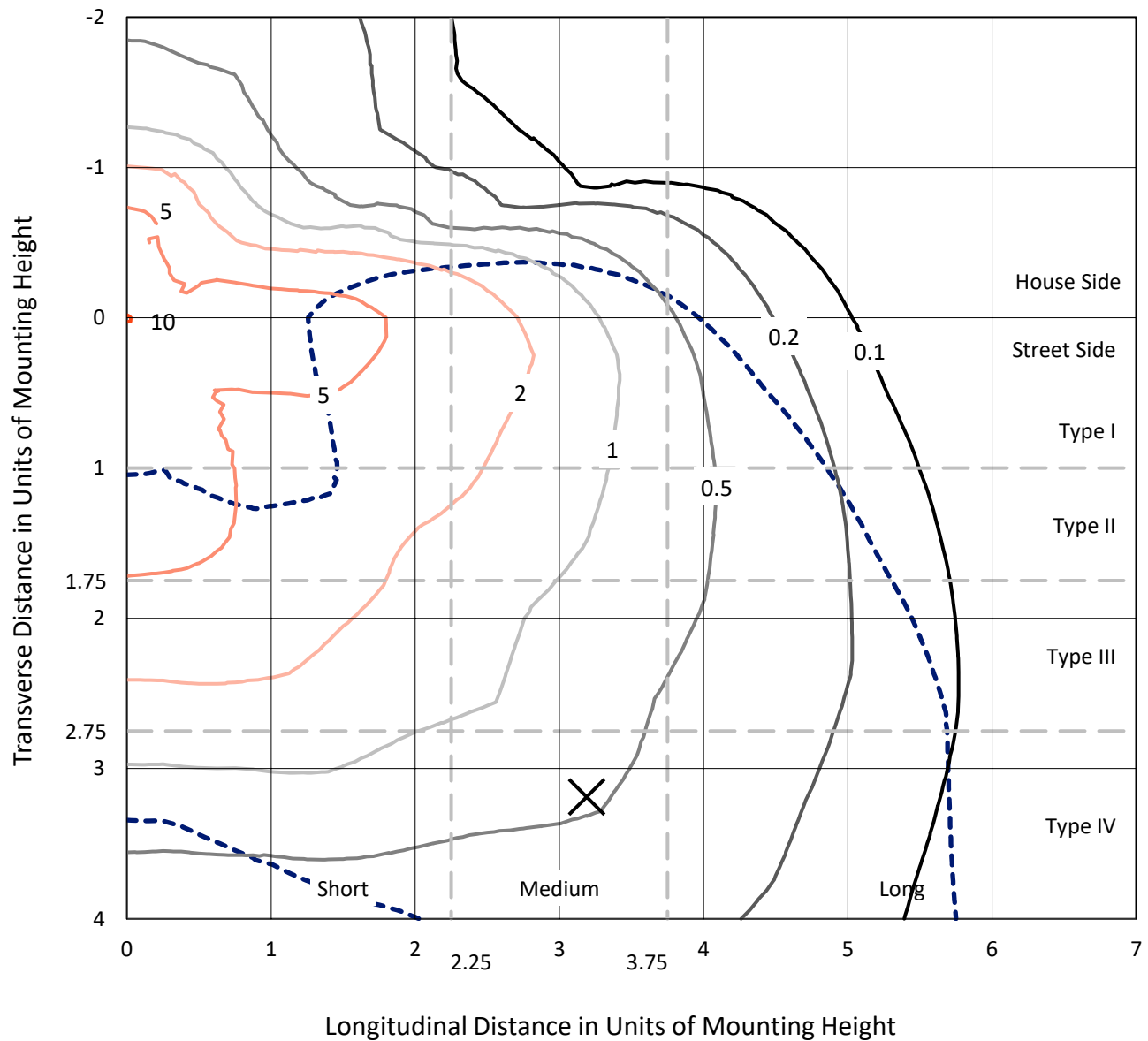


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

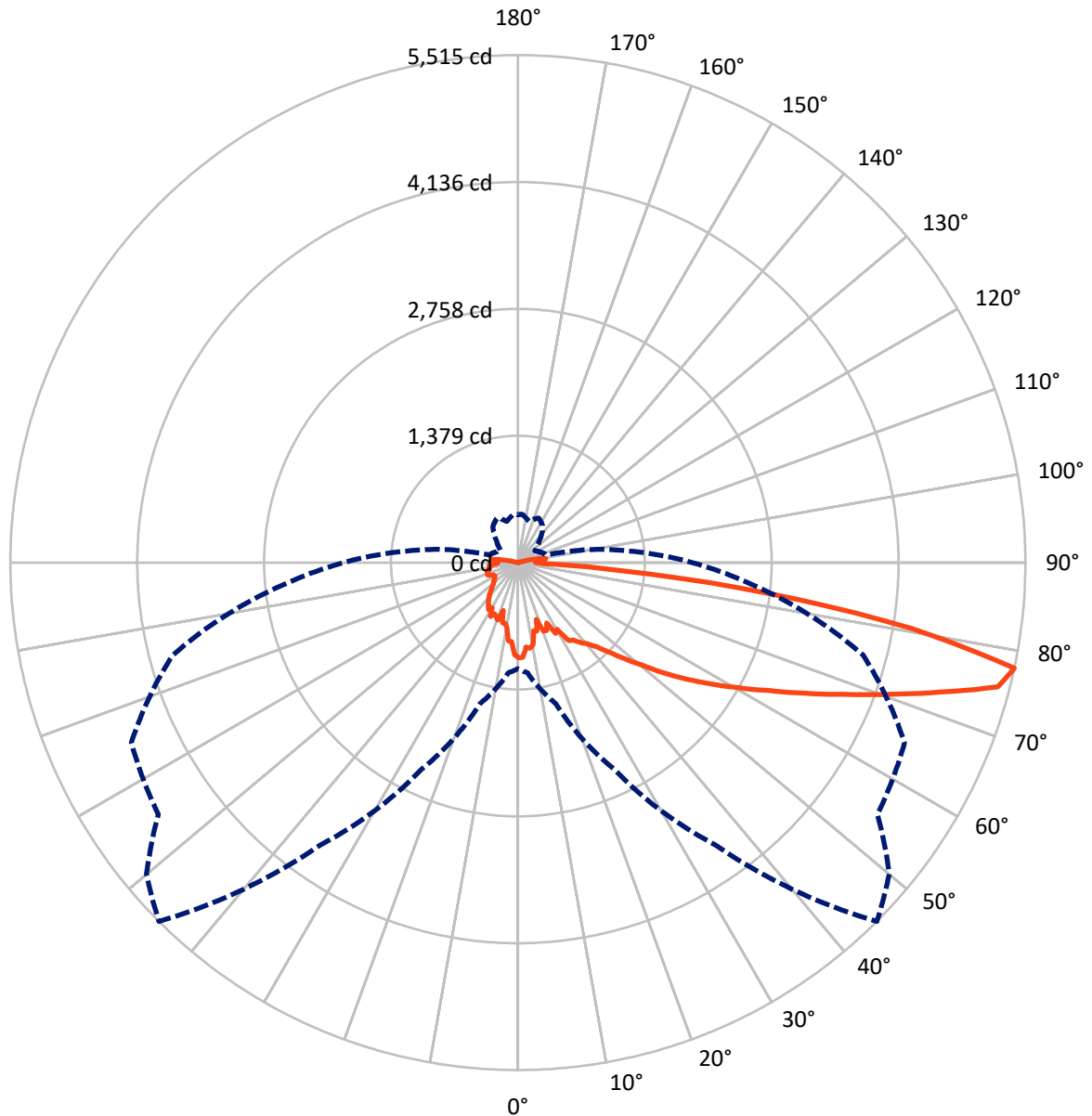


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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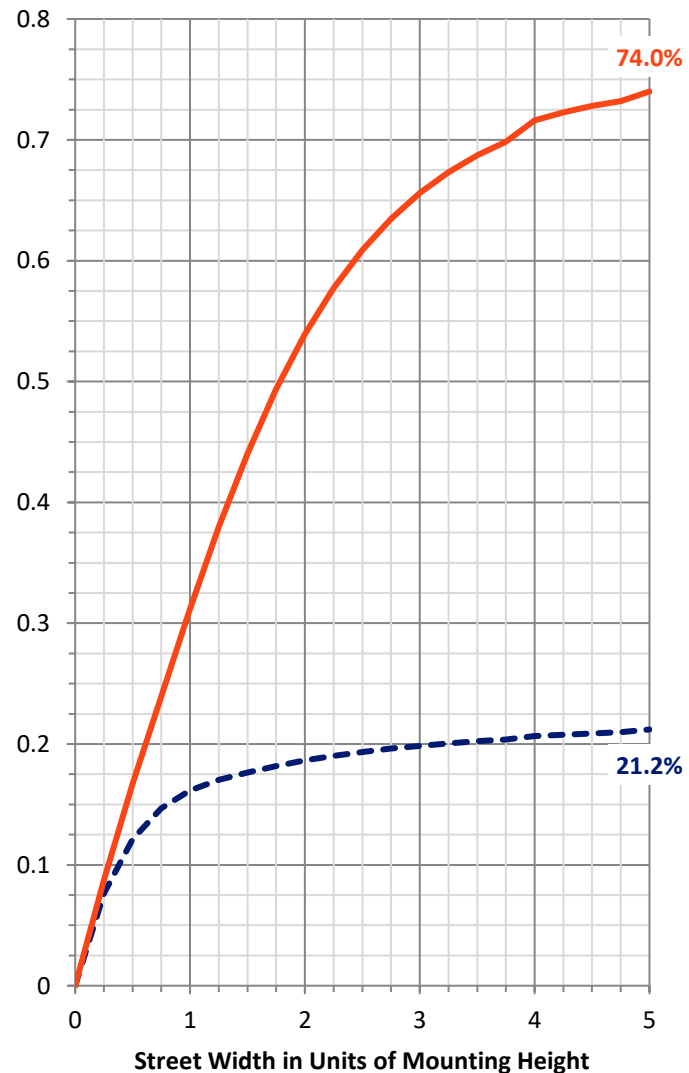
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2130.5	158.9	2289.4
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	7100.9	128.5	7229.4
	% Fixture	74.6	1.4	75.9
Total	Lumens	9231.4	287.4	9518.8
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	0.9
10°-20°	212.8	2.2
20°-30°	368.1	3.9
30°-40°	652.2	6.9
40°-50°	1011.1	10.6
50°-60°	1627.8	17.1
60°-70°	2393.8	25.1
70°-80°	2304.8	24.2
80°-90°	574.8	6.0
90°-100°	214.3	2.3
100°-110°	47.5	0.5
110°-120°	10.2	0.1
120°-130°	8.5	0.1
130°-140°	3.7	0.0
140°-150°	1.6	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9231.4	97.0
0°-180°	9518.8	100.0

Coefficient of Utilization



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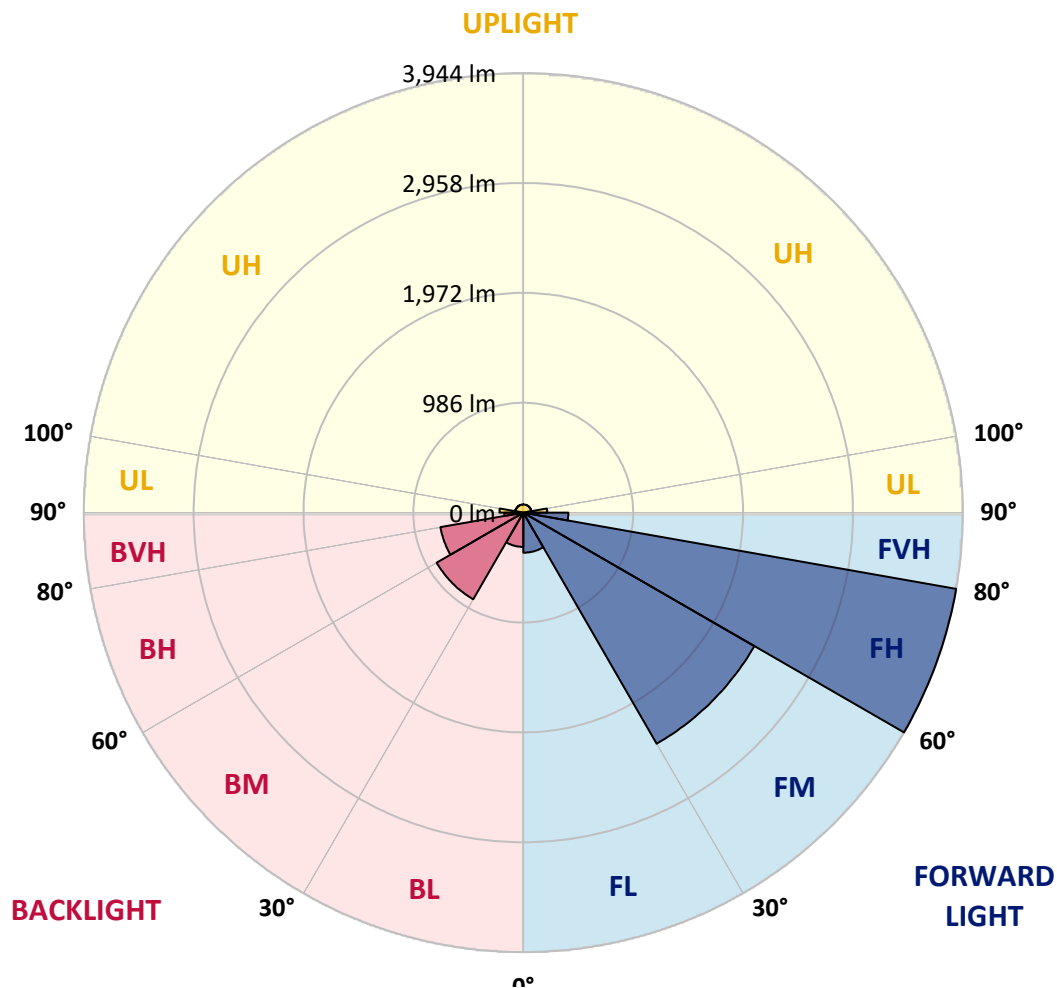
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.3	3.8			
FM	(30°-60°)	2394.1	25.2			
FH	(60°-80°)	3943.7	41.4			G2/5000
FVH	(80°-90°)	403.7	4.2			G3/500
BL	(0°-30°)	307.5	3.2	B1/500		
BM	(30°-60°)	897.1	9.4	B1/1000		
BH	(60°-80°)	754.9	7.9	B2/1000		G2/1000
BVH	(80°-90°)	171.1	1.8			G2/225
UL	(90°-100°)	214.3	2.3		U3/500	
UH	(100°-180°)	73.1	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4
2.5°	939.8	1029.6	1014.7	1025.9	1025.9	1029.6	1033.4	1033.4	1037.1	1033.4	1033.4
5°	958.5	954.8	947.3	939.8	932.3	921.1	921.1	921.1	1010.9	1018.4	1010.9
7.5°	894.8	973.5	966.0	951.0	951.0	939.8	924.8	909.8	883.6	876.1	887.4
10°	1010.9	1007.2	995.9	973.5	891.1	906.1	812.5	733.8	703.9	722.6	771.3
12.5°	898.6	962.2	988.5	988.5	883.6	760.1	677.7	722.6	696.4	621.5	677.7
15°	1059.6	1052.1	1022.1	973.5	775.0	771.3	726.4	636.5	647.7	703.9	756.3
17.5°	906.1	906.1	1014.7	928.5	797.5	647.7	644.0	715.1	655.2	625.3	655.2
20°	1093.3	1089.5	1055.8	771.3	805.0	793.8	655.2	730.1	625.3	718.9	786.3
22.5°	928.5	921.1	973.5	924.8	767.5	801.2	614.0	692.7	745.1	659.0	610.3
25°	1093.3	1100.8	1085.8	823.7	872.4	726.4	741.3	790.0	685.2	834.9	868.6
27.5°	962.2	962.2	921.1	921.1	808.7	872.4	696.4	741.3	816.2	902.3	1059.6
30°	1179.4	1183.1	1156.9	887.4	894.8	838.7	808.7	861.2	981.0	1171.9	1243.1
32.5°	1441.5	1441.5	1239.3	1059.6	898.6	1010.9	853.7	939.8	1112.0	1209.4	1303.0
35°	1606.2	1587.5	1497.7	1190.6	969.7	1033.4	966.0	999.7	1153.2	1295.5	1362.9
37.5°	1842.1	1834.6	1744.8	1306.7	1040.9	1100.8	1003.4	1040.9	1228.1	1359.1	1437.7
40°	2167.9	2130.4	2051.8	1508.9	1127.0	1160.7	1048.4	1093.3	1317.9	1441.5	1535.1
42.5°	2426.2	2433.7	2377.5	1748.5	1269.3	1246.8	1127.0	1160.7	1415.3	1568.8	1673.6
45°	2665.8	2658.3	2669.6	2036.8	1445.2	1385.3	1265.5	1269.3	1538.8	1726.0	1868.3
47.5°	2830.6	2826.8	2853.0	2306.4	1669.9	1561.3	1419.0	1404.0	1681.1	1995.6	2134.2
50°	3029.0	3017.8	3002.8	2594.7	1924.5	1752.3	1621.2	1568.8	1864.6	2298.9	2471.1
52.5°	3272.4	3246.2	3197.5	2819.3	2205.3	1995.6	1849.6	1778.5	2111.7	2639.6	2860.5
55°	3504.5	3467.1	3425.9	3070.2	2463.6	2239.0	2081.7	2040.6	2433.7	2991.6	3276.1
57.5°	3732.9	3714.2	3680.5	3403.4	2793.1	2493.6	2317.6	2310.1	2808.1	3332.3	3721.7
60°	3946.3	3916.4	3961.3	3762.9	3100.1	2763.2	2576.0	2632.1	3220.0	3673.0	4215.9
62.5°	4077.4	4066.1	4163.5	4092.3	3384.7	3062.7	2871.7	2969.1	3616.8	4006.2	4654.0
65°	3882.7	3912.6	4298.3	4298.3	3714.2	3418.4	3231.2	3291.1	3991.2	4343.2	5054.6
67.5°	3527.0	3568.2	4092.3	4414.3	4010.0	3819.0	3624.3	3658.0	4324.5	4616.5	5380.3
70°	3223.7	3253.6	3740.4	4421.8	4197.2	4283.3	4002.5	3972.5	4582.8	4844.9	5500.1
72.5°	2957.9	2999.0	3399.7	4376.9	4380.6	4811.2	4451.8	4272.1	4818.7	4931.0	5118.2
75°	2343.8	2325.1	2778.1	3849.0	4440.5	5387.8	4979.7	4605.3	4934.8	4635.2	4013.7
77.5°	1153.2	1201.9	1583.8	2478.6	3747.9	5515.1	5268.0	4770.0	4635.2	3882.7	2504.8
80°	340.7	351.9	441.8	887.4	2152.9	4343.2	4350.7	3946.3	3485.8	2268.9	1130.7
82.5°	191.0	194.7	254.6	385.6	883.6	2751.9	2864.3	2370.0	1542.6	838.7	565.4
85°	101.1	104.8	131.0	202.2	449.3	1097.0	1164.4	906.1	745.1	546.6	415.6
87.5°	48.7	48.7	44.9	67.4	164.7	265.8	295.8	337.0	299.5	280.8	344.5
90°	41.2	41.2	33.7	37.4	89.9	191.0	232.1	258.3	235.9	258.3	378.2
92.5°	44.9	44.9	33.7	37.4	97.3	213.4	254.6	288.3	250.9	277.1	419.3
95°	41.2	44.9	30.0	33.7	97.3	262.1	307.0	314.5	258.3	303.3	449.3
97.5°	33.7	33.7	22.5	26.2	86.1	307.0	337.0	325.7	228.4	232.1	359.4
100°	26.2	26.2	15.0	22.5	59.9	247.1	288.3	273.3	149.8	37.4	89.9
102.5°	22.5	22.5	11.2	18.7	26.2	119.8	153.5	149.8	89.9	22.5	18.7
105°	22.5	22.5	11.2	15.0	15.0	33.7	52.4	67.4	37.4	11.2	18.7
107.5°	22.5	22.5	11.2	7.5	7.5	15.0	18.7	18.7	18.7	11.2	22.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	22.5	22.5	7.5	7.5	3.7	7.5	7.5	7.5	7.5	11.2	22.5
115°	18.7	18.7	3.7	7.5	3.7	3.7	7.5	3.7	7.5	7.5	18.7
117.5°	18.7	15.0	3.7	3.7	3.7	3.7	3.7	3.7	7.5	11.2	22.5
120°	18.7	18.7	7.5	3.7	3.7	3.7	3.7	3.7	7.5	15.0	26.2
122.5°	18.7	18.7	7.5	3.7	0.0	3.7	3.7	3.7	7.5	15.0	30.0
125°	22.5	18.7	7.5	3.7	0.0	0.0	3.7	3.7	3.7	15.0	26.2
127.5°	18.7	15.0	7.5	3.7	0.0	0.0	3.7	3.7	3.7	11.2	22.5
130°	18.7	15.0	7.5	0.0	0.0	0.0	3.7	3.7	3.7	11.2	18.7
132.5°	15.0	11.2	7.5	0.0	0.0	0.0	3.7	3.7	3.7	7.5	15.0
135°	11.2	11.2	3.7	0.0	3.7	0.0	3.7	3.7	3.7	3.7	11.2
137.5°	7.5	7.5	3.7	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
140°	3.7	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
142.5°	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7
145°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	11.2	11.2	11.2	7.5	3.7	3.7	3.7	7.5	3.7	3.7	3.7
152.5°	11.2	11.2	11.2	7.5	0.0	0.0	3.7	3.7	7.5	3.7	3.7
155°	7.5	7.5	7.5	0.0	0.0	0.0	3.7	3.7	3.7	7.5	7.5
157.5°	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	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°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4
2.5°	1029.6	1025.9	1022.1	1018.4	1010.9	1003.4	984.7	906.1	906.1	909.8	909.8
5°	1010.9	1007.2	995.9	924.8	883.6	861.2	868.6	868.6	868.6	872.4	879.9
7.5°	883.6	879.9	827.5	823.7	838.7	857.4	868.6	849.9	812.5	812.5	812.5
10°	771.3	767.5	673.9	655.2	673.9	718.9	834.9	857.4	872.4	876.1	883.6
12.5°	673.9	662.7	580.3	640.2	599.1	673.9	778.8	864.9	786.3	771.3	771.3
15°	748.8	745.1	647.7	561.6	565.4	673.9	617.8	812.5	857.4	864.9	868.6
17.5°	655.2	647.7	595.3	591.6	625.3	542.9	685.2	775.0	737.6	748.8	748.8
20°	782.5	778.8	681.4	565.4	557.9	662.7	606.5	703.9	838.7	864.9	868.6
22.5°	606.5	606.5	625.3	662.7	602.8	632.8	647.7	745.1	718.9	733.8	778.8
25°	861.2	853.7	756.3	595.3	647.7	610.3	677.7	707.6	831.2	861.2	868.6
27.5°	1044.6	1025.9	812.5	670.2	584.1	655.2	651.5	685.2	703.9	820.0	834.9
30°	1231.8	1213.1	1044.6	752.6	606.5	565.4	621.5	733.8	846.2	864.9	879.9
32.5°	1299.2	1284.2	1067.1	797.5	610.3	602.8	617.8	733.8	928.5	1003.4	1018.4
35°	1370.4	1351.6	1089.5	778.8	595.3	561.6	584.1	756.3	924.8	973.5	984.7
37.5°	1456.5	1422.8	1115.8	741.3	554.1	531.7	557.9	688.9	879.9	928.5	936.0
40°	1565.0	1531.3	1149.4	700.2	512.9	494.2	509.2	640.2	771.3	812.5	831.2
42.5°	1729.8	1666.1	1164.4	666.5	475.5	456.8	471.8	576.6	677.7	703.9	715.1
45°	1943.2	1830.9	1186.9	621.5	441.8	415.6	438.1	527.9	576.6	576.6	576.6
47.5°	2205.3	2025.6	1198.1	584.1	400.6	378.2	400.6	479.2	505.5	490.5	486.7
50°	2527.3	2272.7	1254.3	539.2	366.9	348.2	385.6	423.1	434.3	441.8	441.8
52.5°	2905.4	2557.2	1288.0	494.2	344.5	333.2	370.7	396.9	400.6	408.1	408.1
55°	3317.3	2868.0	1306.7	453.0	329.5	314.5	355.7	381.9	381.9	389.4	389.4
57.5°	3744.1	3227.4	1355.4	423.1	314.5	299.5	340.7	385.6	370.7	385.6	389.4
60°	4193.4	3560.7	1314.2	393.1	292.0	288.3	344.5	411.9	408.1	426.8	430.6
62.5°	4616.5	3826.5	1130.7	366.9	277.1	292.0	385.6	464.3	453.0	483.0	483.0
65°	4856.1	3916.4	831.2	351.9	265.8	314.5	426.8	516.7	479.2	494.2	486.7
67.5°	4908.6	3826.5	599.1	333.2	262.1	351.9	456.8	527.9	475.5	490.5	490.5
70°	4785.0	3616.8	483.0	318.3	258.3	355.7	464.3	527.9	479.2	512.9	505.5
72.5°	4227.1	3077.7	411.9	303.3	258.3	348.2	475.5	531.7	490.5	546.6	535.4
75°	3186.3	2302.6	363.2	288.3	243.4	337.0	483.0	535.4	475.5	535.4	527.9
77.5°	1894.5	1314.2	322.0	269.6	224.6	325.7	475.5	535.4	464.3	527.9	520.4
80°	801.2	617.8	273.3	235.9	205.9	310.8	468.0	531.7	445.6	512.9	501.7
82.5°	505.5	419.3	232.1	194.7	202.2	307.0	471.8	524.2	438.1	516.7	479.2
85°	408.1	344.5	198.4	164.7	187.2	314.5	453.0	475.5	378.2	445.6	434.3
87.5°	344.5	288.3	89.9	71.1	138.5	243.4	344.5	355.7	273.3	348.2	333.2
90°	378.2	314.5	86.1	59.9	123.6	213.4	318.3	310.8	262.1	333.2	329.5
92.5°	411.9	333.2	82.4	63.7	138.5	232.1	348.2	314.5	277.1	337.0	333.2
95°	426.8	340.7	78.6	67.4	164.7	254.6	370.7	307.0	292.0	310.8	307.0
97.5°	322.0	247.1	74.9	71.1	172.2	288.3	348.2	258.3	191.0	191.0	187.2
100°	82.4	82.4	67.4	67.4	116.1	209.7	265.8	191.0	108.6	82.4	86.1
102.5°	22.5	26.2	59.9	63.7	63.7	93.6	149.8	123.6	71.1	11.2	11.2
105°	22.5	22.5	41.2	48.7	33.7	30.0	59.9	67.4	52.4	7.5	11.2
107.5°	22.5	22.5	18.7	26.2	11.2	15.0	15.0	18.7	18.7	7.5	7.5



REPORT NUMBER: P559864

CATALOG NUMBER: SDL-PA1-100-740-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.2	22.5	11.2	7.5	7.5	7.5	7.5	7.5	7.5	18.7	18.7
115°	22.5	18.7	11.2	7.5	7.5	7.5	7.5	3.7	7.5	22.5	22.5
117.5°	26.2	22.5	11.2	7.5	3.7	7.5	7.5	3.7	7.5	26.2	26.2
120°	30.0	26.2	11.2	7.5	3.7	3.7	3.7	3.7	11.2	26.2	26.2
122.5°	30.0	30.0	15.0	3.7	3.7	3.7	3.7	3.7	11.2	26.2	26.2
125°	30.0	26.2	11.2	3.7	3.7	3.7	0.0	3.7	11.2	26.2	30.0
127.5°	22.5	22.5	11.2	3.7	3.7	3.7	0.0	3.7	11.2	22.5	26.2
130°	18.7	18.7	7.5	3.7	3.7	3.7	0.0	3.7	11.2	22.5	22.5
132.5°	15.0	15.0	7.5	3.7	3.7	0.0	0.0	0.0	11.2	18.7	18.7
135°	11.2	11.2	3.7	3.7	3.7	0.0	0.0	0.0	7.5	15.0	15.0
137.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	7.5	7.5
140°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
145°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
150°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	3.7	7.5	3.7	7.5
152.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	3.7	7.5	7.5	7.5
155°	7.5	7.5	7.5	3.7	3.7	0.0	0.0	0.0	3.7	7.5	7.5
157.5°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°		26.2	26.2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	11.2	22.5
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110°	26.2	22.5	11.2	11.2	7.5	7.5	7.5	7.5	7.5	15.0	15.0
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(END OF REPORT)