

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: P559875

Luminaire Tested: **SDL-PA1-100-750-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-750-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7844.9 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

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



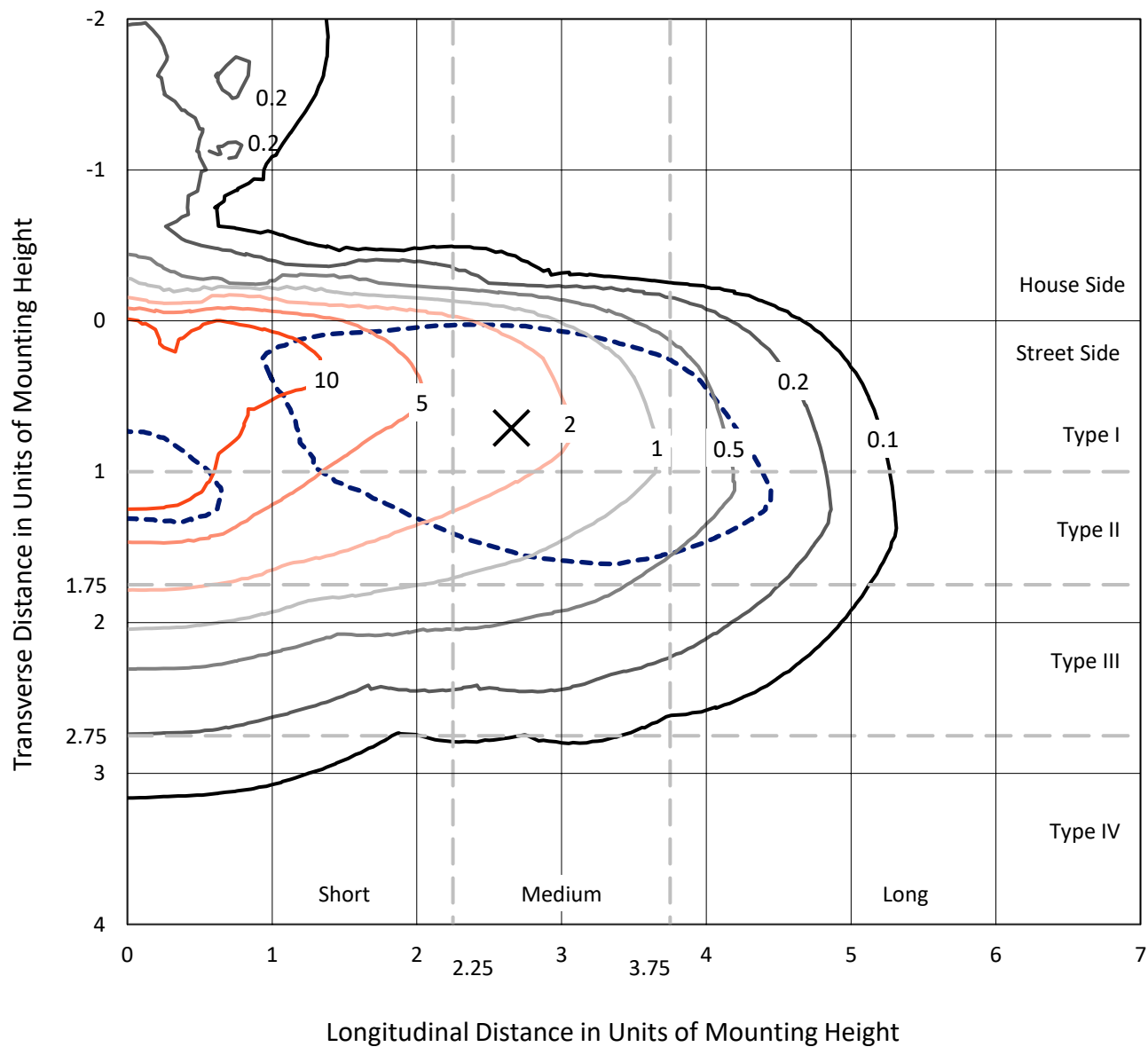
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



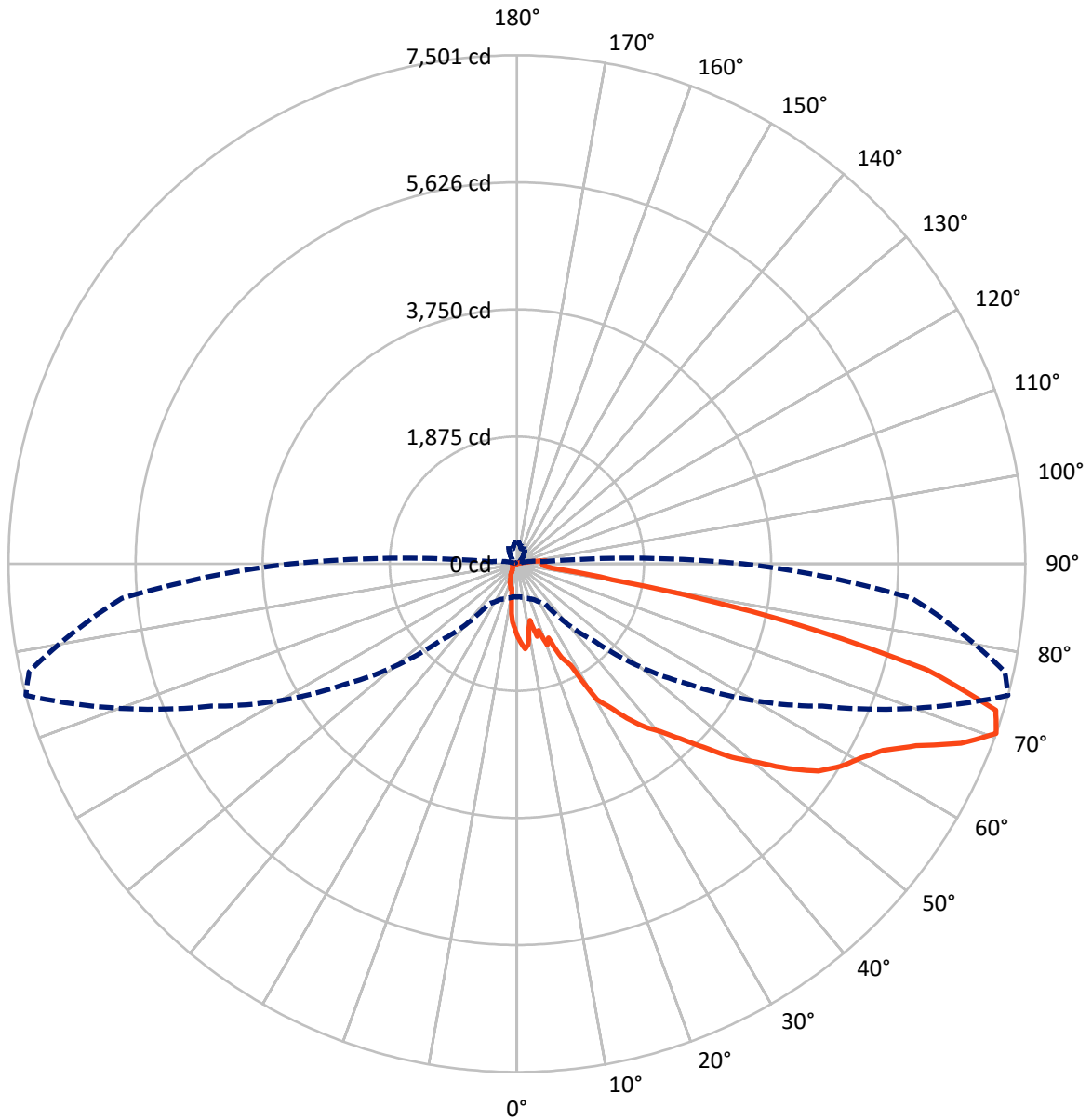
Based on 10 foot mounting height. Maximum calculated value = 19.6 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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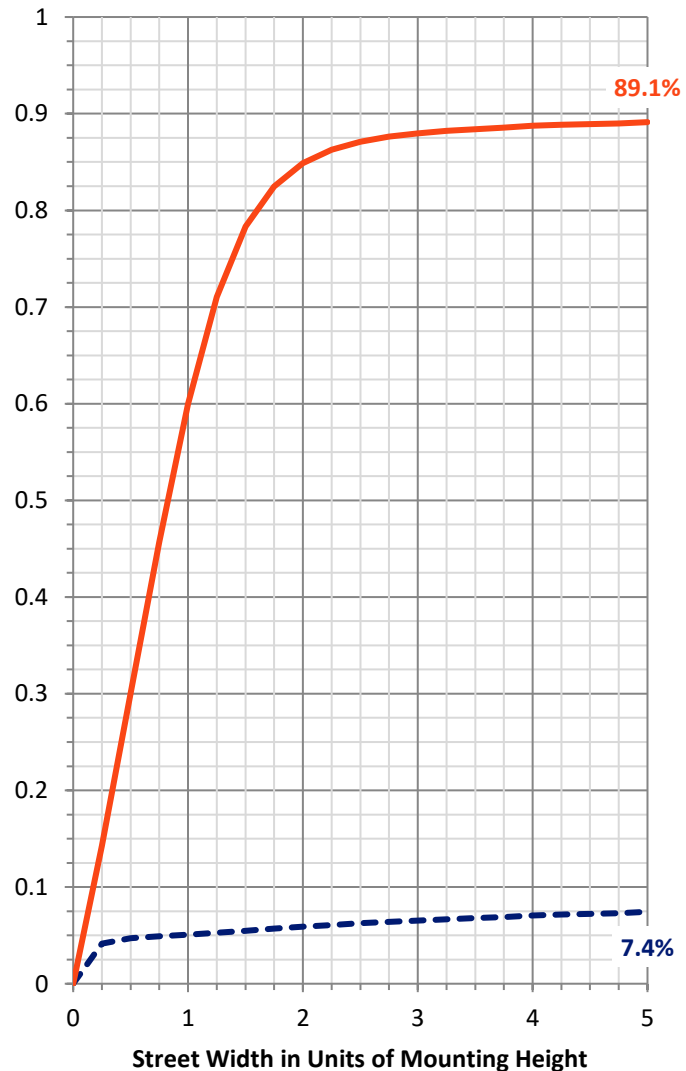
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	639.2	79.4	718.6
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	7026.4	99.9	7126.3
	% Fixture	89.6	1.3	90.8
Total	Lumens	7665.7	179.3	7844.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	1.1
10°-20°	206.9	2.6
20°-30°	388.2	4.9
30°-40°	871.2	11.1
40°-50°	1433.9	18.3
50°-60°	1757.7	22.4
60°-70°	1646.2	21.0
70°-80°	1072.0	13.7
80°-90°	204.8	2.6
90°-100°	117.5	1.5
100°-110°	26.4	0.3
110°-120°	13.4	0.2
120°-130°	11.3	0.1
130°-140°	5.5	0.1
140°-150°	2.7	0.0
150°-160°	2.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7665.7	97.7
0°-180°	7844.9	100.0



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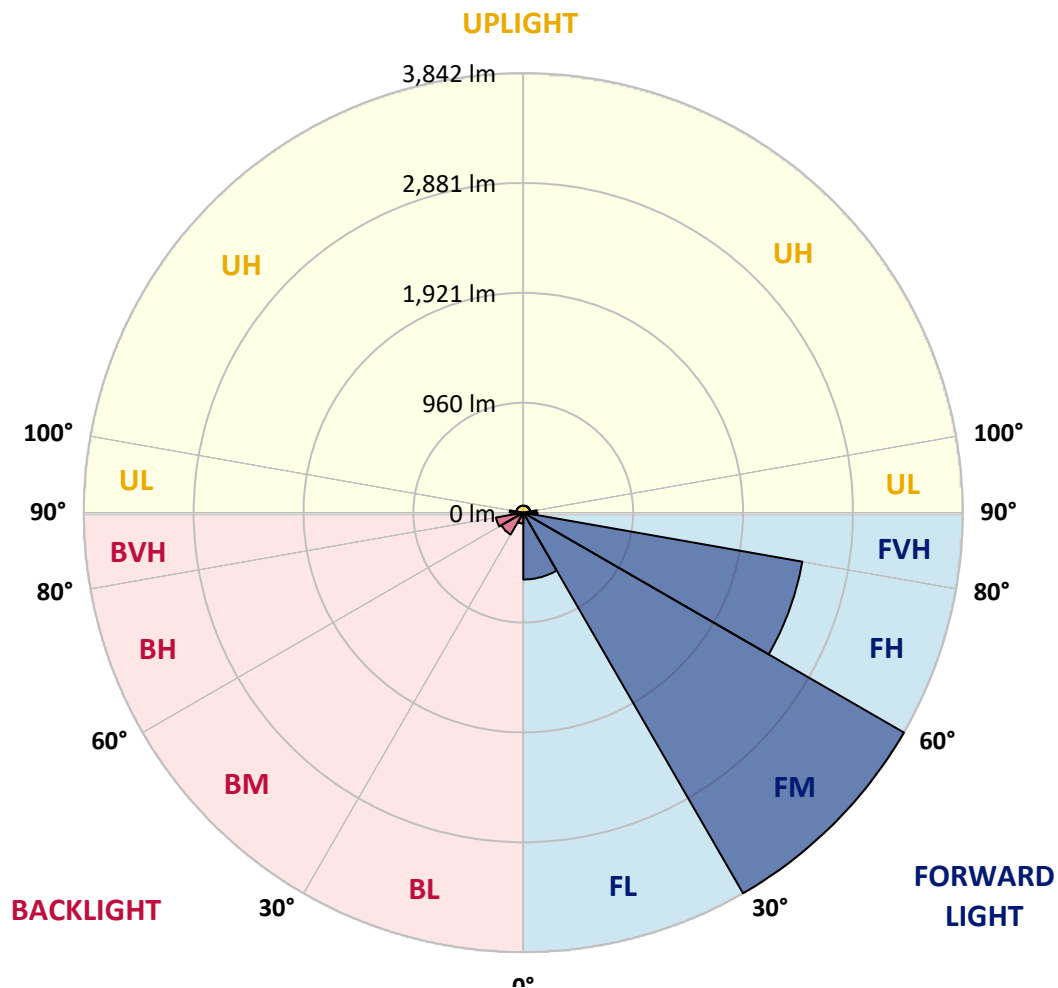
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	584.4	7.4			
FM	(30°-60°)	3841.9	49.0			
FH	(60°-80°)	2476.2	31.6			G2/5000
FVH	(80°-90°)	124.0	1.6			G2/225
BL	(0°-30°)	95.5	1.2	B0/110		
BM	(30°-60°)	220.9	2.8	B1/1000		
BH	(60°-80°)	242.0	3.1	B1/500		G1/500
BVH	(80°-90°)	80.8	1.0			G1/100
UL	(90°-100°)	117.5	1.5		U3/500	
UH	(100°-180°)	61.8	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3
2.5°	1190.8	1265.7	1288.2	1325.7	1344.4	1321.9	1280.7	1228.3	1172.1	1157.1	1108.5
5°	1351.9	1336.9	1325.7	1325.7	1303.2	1254.5	1209.6	1348.1	1262.0	1243.3	1145.9
7.5°	1228.3	1344.4	1430.5	1438.0	1426.8	1389.3	1325.7	1183.4	1202.1	1179.6	1059.8
10°	1486.7	1490.4	1475.5	1486.7	1381.8	1329.4	1123.4	1037.3	969.9	1059.8	951.2
12.5°	1232.0	1415.5	1520.4	1557.8	1426.8	1254.5	1149.7	1104.7	857.6	835.1	861.3
15°	1505.4	1512.9	1524.1	1486.7	1157.1	1314.4	1067.3	984.9	1112.2	1082.2	1063.5
17.5°	1190.8	1205.8	1460.5	1445.5	1340.6	1041.1	1269.5	1130.9	1033.6	996.1	969.9
20°	1516.6	1520.4	1516.6	1149.7	1250.8	1400.6	1194.6	1157.1	1280.7	1265.7	1198.3
22.5°	1273.2	1273.2	1359.4	1475.5	1314.4	1404.3	1217.1	1441.8	1190.8	1183.4	891.3
25°	1760.1	1760.1	1700.1	1303.2	1490.4	1321.9	1445.5	1295.7	1539.1	1486.7	1336.9
27.5°	1711.4	1658.9	1565.3	1644.0	1441.8	1655.2	1400.6	1580.3	1696.4	1745.1	1666.4
30°	2378.0	2378.0	2276.8	1760.1	1688.9	1599.0	1617.8	1891.1	2325.5	2333.0	2014.7
32.5°	3220.5	3160.6	2625.1	2269.4	1846.2	2007.2	1827.5	2224.4	2527.7	2516.5	2142.0
35°	3565.1	3546.3	3381.6	2786.1	2138.3	2198.2	2059.6	2351.7	2801.1	2726.2	2295.6
37.5°	3917.1	3887.1	3718.6	3078.2	2445.4	2524.0	2231.9	2539.0	3052.0	2943.4	2464.1
40°	4134.3	4138.0	4018.2	3310.4	2688.8	2730.0	2437.9	2767.4	3254.2	3276.7	2610.1
42.5°	4362.7	4359.0	4261.6	3583.8	2891.0	2943.4	2602.6	2984.6	3527.6	3553.8	2857.3
45°	4486.3	4478.8	4422.6	3771.0	3052.0	3089.5	2857.3	3250.5	3860.9	3853.4	3059.5
47.5°	4516.2	4527.5	4523.7	3954.5	3220.5	3235.5	3085.7	3445.2	4265.3	4182.9	3325.4
50°	4347.7	4355.2	4407.6	4100.6	3344.1	3359.1	3265.5	3666.2	4606.1	4508.7	3565.1
52.5°	3879.6	3924.6	4145.5	4010.7	3396.5	3452.7	3434.0	3834.7	5021.8	4902.0	3860.9
55°	2883.5	2988.4	3493.9	3673.7	3370.3	3456.5	3583.8	4141.8	5400.0	5254.0	4100.6
57.5°	2299.3	2318.0	2617.6	3111.9	3156.9	3437.7	3741.1	4329.0	5635.9	5489.9	4272.8
60°	1816.2	1846.2	2040.9	2437.9	2756.2	3325.4	3786.0	4520.0	5823.2	5699.6	4463.8
62.5°	1408.0	1404.3	1554.1	1820.0	2220.7	3089.5	3726.1	4636.1	6062.8	5969.2	4804.6
65°	981.1	981.1	1108.5	1321.9	1681.4	2666.3	3606.2	4800.8	6471.0	6444.8	5227.7
67.5°	670.3	685.3	771.4	876.3	1153.4	2168.2	3426.5	4969.4	7066.4	6942.9	5635.9
70°	490.6	490.6	524.3	580.4	719.0	1617.8	3104.4	4973.1	7500.8	7373.5	5849.4
72.5°	363.2	363.2	389.5	415.7	453.1	1074.8	2546.5	4658.5	7388.5	7186.3	5415.0
75°	191.0	191.0	295.8	307.1	303.3	696.5	1879.9	3827.2	6246.3	5909.3	4239.1
77.5°	149.8	153.5	168.5	239.7	220.9	456.9	1048.5	2355.5	4036.9	3625.0	2295.6
80°	108.6	104.9	131.1	153.5	131.1	265.9	494.3	1033.6	1430.5	1239.5	756.5
82.5°	63.7	67.4	78.6	112.3	112.3	187.2	322.1	453.1	513.0	509.3	453.1
85°	7.5	11.2	41.2	74.9	67.4	108.6	269.6	314.6	404.4	411.9	404.4
87.5°	7.5	7.5	11.2	15.0	18.7	71.2	228.4	273.4	374.5	400.7	404.4
90°	15.0	11.2	7.5	7.5	11.2	56.2	213.5	280.9	396.9	404.4	423.2
92.5°	18.7	15.0	7.5	3.7	11.2	44.9	202.2	280.9	411.9	438.1	456.9
95°	26.2	22.5	7.5	3.7	11.2	37.4	172.3	265.9	430.7	475.6	494.3
97.5°	33.7	30.0	7.5	7.5	11.2	30.0	134.8	209.7	284.6	322.1	348.3
100°	37.4	37.4	7.5	7.5	11.2	18.7	67.4	116.1	89.9	86.1	97.4
102.5°	41.2	41.2	7.5	7.5	7.5	11.2	22.5	48.7	18.7	18.7	30.0
105°	41.2	41.2	7.5	7.5	7.5	7.5	7.5	18.7	15.0	18.7	33.7
107.5°	37.4	41.2	7.5	11.2	11.2	7.5	7.5	7.5	15.0	22.5	33.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	26.2	18.7	3.7	11.2	7.5	7.5	3.7	7.5	18.7	26.2	37.4
115°	11.2	7.5	3.7	7.5	7.5	7.5	3.7	7.5	18.7	30.0	37.4
117.5°	7.5	3.7	3.7	3.7	3.7	7.5	3.7	11.2	26.2	33.7	44.9
120°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	11.2	33.7	37.4	52.4
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	33.7	37.4	52.4
125°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	26.2	33.7	44.9
127.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	18.7	26.2	37.4
130°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	18.7	22.5	30.0
132.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	11.2	15.0	22.5
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5	15.0
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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	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	11.2	18.7	15.0	7.5	3.7	7.5	3.7	3.7	3.7	3.7
152.5°	18.7	18.7	15.0	15.0	3.7	3.7	7.5	7.5	3.7	3.7	3.7
155°	15.0	15.0	11.2	3.7	3.7	3.7	3.7	7.5	11.2	15.0	11.2
157.5°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	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°	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3	1067.3
2.5°	1071.0	1033.6	951.2	887.5	820.1	782.7	711.5	651.6	606.7	599.2	599.2
5°	1071.0	996.1	850.1	692.8	546.7	471.8	430.7	404.4	385.7	378.2	374.5
7.5°	958.7	861.3	666.6	483.1	419.4	352.0	303.3	265.9	232.2	220.9	209.7
10°	838.8	719.0	453.1	333.3	265.9	220.9	198.5	187.2	176.0	172.3	172.3
12.5°	745.2	621.6	363.2	273.4	187.2	157.3	149.8	142.3	138.6	134.8	131.1
15°	910.0	745.2	378.2	187.2	131.1	112.3	104.9	108.6	116.1	116.1	116.1
17.5°	842.6	655.3	314.6	142.3	108.6	82.4	89.9	97.4	104.9	93.6	89.9
20°	1007.4	771.4	307.1	112.3	89.9	82.4	78.6	67.4	86.1	86.1	86.1
22.5°	730.2	584.2	232.2	104.9	74.9	71.2	59.9	67.4	71.2	59.9	59.9
25°	1082.2	760.2	228.4	82.4	74.9	56.2	59.9	48.7	59.9	59.9	59.9
27.5°	1340.6	898.8	202.2	86.1	63.7	56.2	44.9	48.7	44.9	44.9	44.9
30°	1595.3	1011.1	183.5	86.1	59.9	44.9	41.2	37.4	44.9	44.9	44.9
32.5°	1670.2	984.9	146.0	89.9	56.2	41.2	33.7	37.4	37.4	41.2	41.2
35°	1756.3	962.4	123.6	78.6	52.4	37.4	30.0	33.7	37.4	41.2	41.2
37.5°	1838.7	925.0	112.3	71.2	44.9	33.7	26.2	30.0	78.6	86.1	86.1
40°	1943.6	880.0	104.9	63.7	37.4	26.2	22.5	59.9	71.2	82.4	82.4
42.5°	2093.3	853.8	97.4	59.9	33.7	22.5	22.5	52.4	101.1	112.3	112.3
45°	2216.9	808.9	93.6	52.4	30.0	18.7	37.4	71.2	82.4	104.9	101.1
47.5°	2370.5	767.7	89.9	48.7	26.2	18.7	41.2	74.9	104.9	119.8	119.8
50°	2535.2	745.2	86.1	44.9	26.2	18.7	71.2	71.2	86.1	134.8	134.8
52.5°	2744.9	730.2	78.6	37.4	22.5	37.4	97.4	86.1	104.9	138.6	138.6
55°	2846.1	681.6	74.9	33.7	18.7	37.4	104.9	97.4	108.6	146.0	146.0
57.5°	2935.9	632.9	67.4	33.7	18.7	48.7	112.3	123.6	104.9	127.3	142.3
60°	3018.3	584.2	59.9	30.0	18.7	59.9	123.6	172.3	146.0	172.3	172.3
62.5°	3209.3	546.7	52.4	33.7	15.0	67.4	161.0	209.7	164.8	209.7	206.0
65°	3389.0	501.8	48.7	30.0	18.7	78.6	176.0	243.4	179.8	243.4	243.4
67.5°	3460.2	445.6	44.9	30.0	18.7	89.9	176.0	269.6	213.5	273.4	277.1
70°	3336.6	367.0	41.2	33.7	22.5	101.1	183.5	288.4	228.4	318.3	318.3
72.5°	2834.8	250.9	41.2	37.4	44.9	112.3	217.2	299.6	239.7	382.0	385.7
75°	2115.8	142.3	44.9	41.2	48.7	127.3	239.7	310.8	250.9	385.7	385.7
77.5°	1205.8	97.4	44.9	48.7	59.9	127.3	250.9	322.1	247.2	378.2	370.7
80°	419.4	71.2	44.9	56.2	74.9	127.3	254.6	318.3	239.7	352.0	352.0
82.5°	284.6	59.9	44.9	56.2	89.9	134.8	250.9	299.6	213.5	295.8	284.6
85°	265.9	48.7	48.7	59.9	97.4	134.8	228.4	258.4	179.8	220.9	217.2
87.5°	262.1	44.9	56.2	63.7	104.9	123.6	194.7	213.5	146.0	179.8	176.0
90°	273.4	44.9	59.9	67.4	97.4	101.1	157.3	179.8	119.8	142.3	138.6
92.5°	292.1	44.9	63.7	74.9	86.1	74.9	127.3	142.3	101.1	108.6	104.9
95°	310.8	44.9	71.2	78.6	71.2	56.2	97.4	116.1	82.4	78.6	78.6
97.5°	206.0	33.7	74.9	78.6	59.9	41.2	74.9	89.9	48.7	41.2	41.2
100°	67.4	26.2	78.6	82.4	56.2	30.0	63.7	67.4	37.4	18.7	18.7
102.5°	30.0	26.2	71.2	71.2	48.7	22.5	44.9	48.7	26.2	7.5	7.5
105°	26.2	15.0	41.2	52.4	33.7	11.2	22.5	26.2	15.0	7.5	7.5
107.5°	30.0	15.0	22.5	30.0	15.0	11.2	11.2	11.2	7.5	7.5	7.5



REPORT NUMBER: P559875

CATALOG NUMBER: SDL-PA1-100-750-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.7	15.0	11.2	15.0	11.2	11.2	7.5	7.5	15.0	26.2	26.2
115°	33.7	15.0	11.2	15.0	11.2	11.2	7.5	3.7	15.0	37.4	41.2
117.5°	37.4	18.7	7.5	11.2	7.5	7.5	7.5	3.7	18.7	48.7	48.7
120°	44.9	18.7	7.5	7.5	7.5	3.7	7.5	7.5	18.7	52.4	52.4
122.5°	44.9	22.5	7.5	7.5	7.5	3.7	3.7	7.5	22.5	48.7	52.4
125°	37.4	18.7	7.5	7.5	7.5	3.7	3.7	7.5	22.5	44.9	52.4
127.5°	30.0	18.7	7.5	7.5	7.5	3.7	3.7	7.5	22.5	37.4	41.2
130°	26.2	15.0	7.5	7.5	7.5	3.7	3.7	7.5	18.7	30.0	33.7
132.5°	18.7	11.2	7.5	7.5	7.5	3.7	3.7	3.7	18.7	30.0	30.0
135°	15.0	11.2	7.5	7.5	7.5	3.7	3.7	3.7	15.0	22.5	22.5
137.5°	7.5	3.7	7.5	7.5	7.5	3.7	3.7	3.7	11.2	11.2	11.2
140°	3.7	3.7	3.7	7.5	3.7	3.7	3.7	3.7	3.7	7.5	3.7
142.5°	3.7	3.7	3.7	7.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	7.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	7.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	3.7	3.7	3.7	7.5	3.7	3.7	3.7	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	3.7	3.7
155°	7.5	7.5	3.7	7.5	3.7	3.7	0.0	3.7	3.7	3.7	3.7
157.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
160°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	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



Report Generated By 670245982





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110°	33.7	33.7	7.5	11.2	11.2	7.5	3.7	7.5	15.0	22.5	37.4
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110°	30.0	15.0	11.2	18.7	15.0	11.2	7.5	7.5	7.5	11.2	11.2
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(END OF REPORT)