

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: P560927

Luminaire Tested: **SDL-PA1-70-750-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560927
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-PA1-70-750-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 930mA 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: 6674.5 lumens
Efficiency: N/A
Efficacy: 92.4 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): 72.2
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

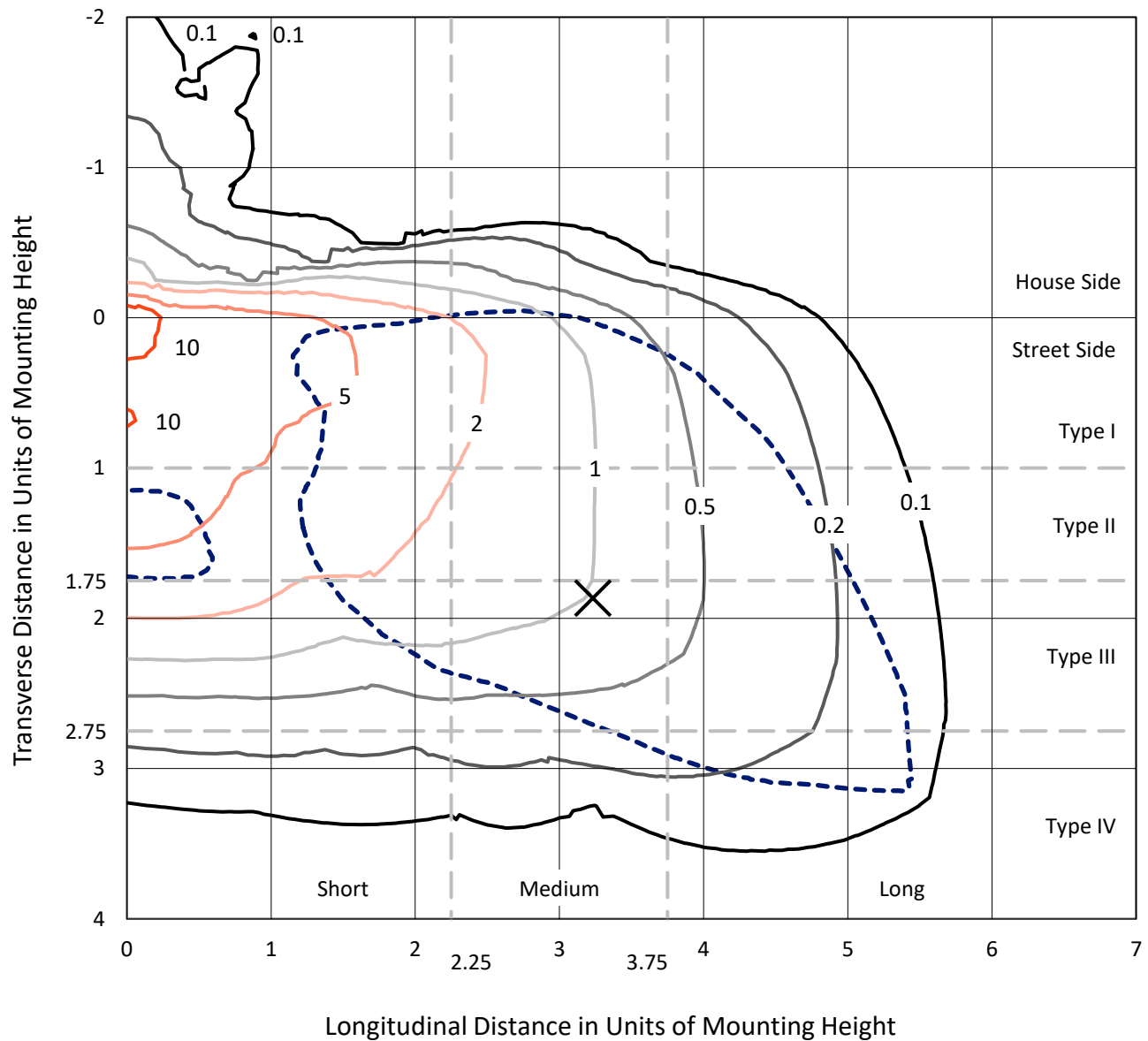


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

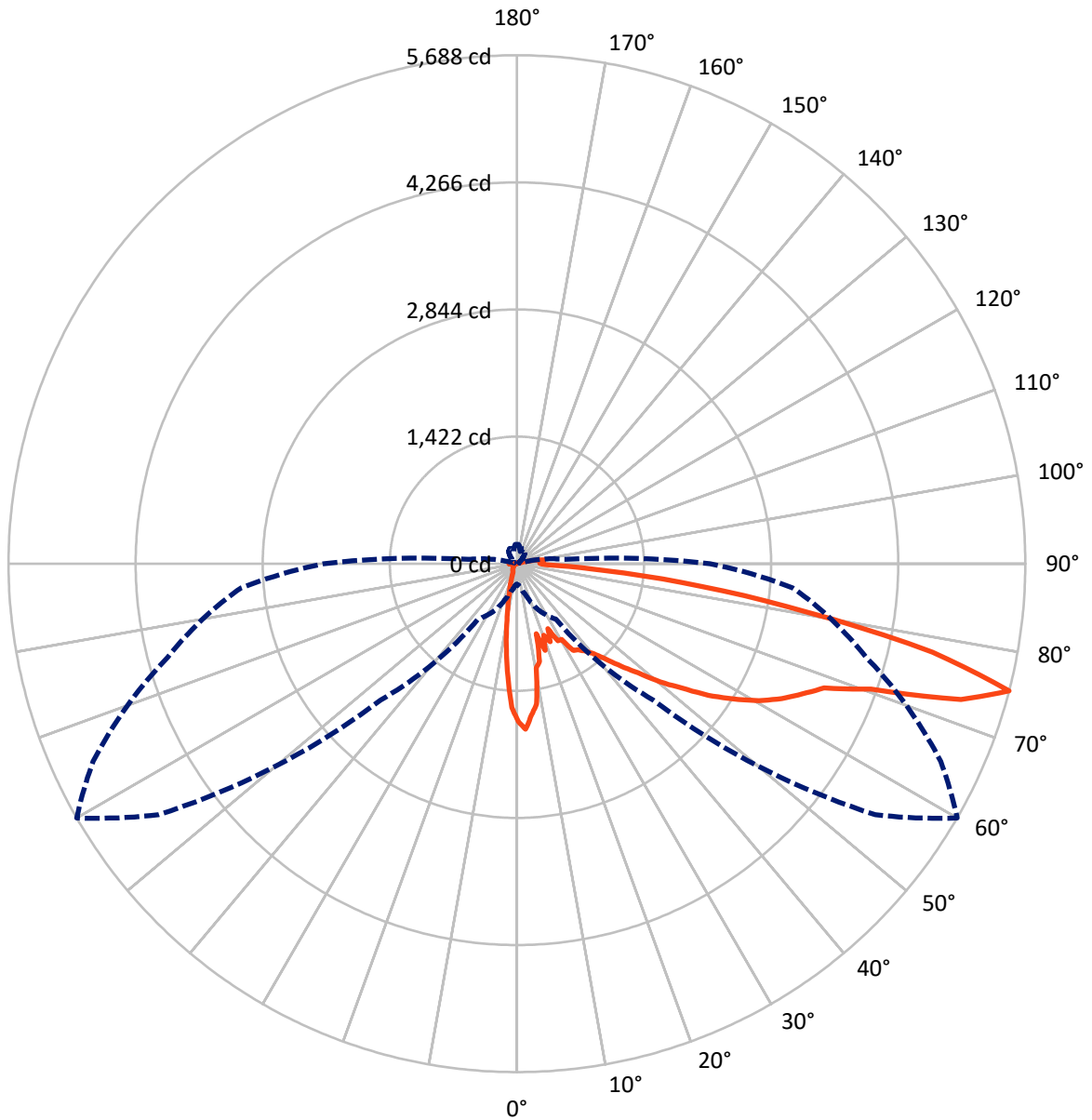


Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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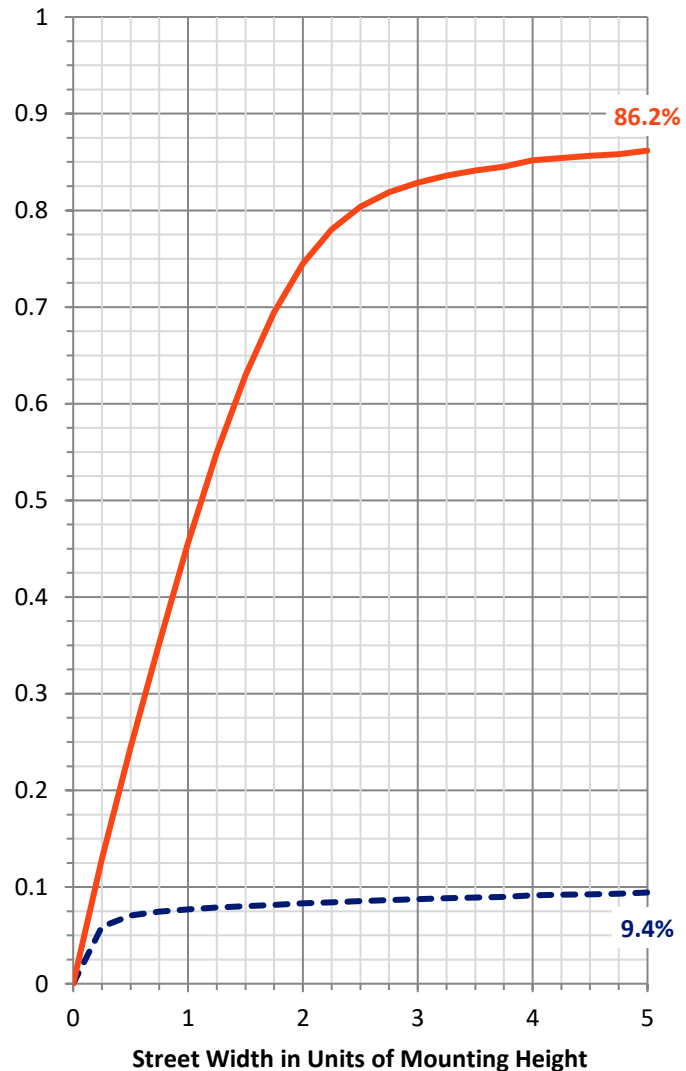
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	689.8	89.9	779.7
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	5800.7	94.1	5894.8
	% Fixture	86.9	1.4	88.3
Total	Lumens	6490.5	184.0	6674.5
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.8
10°-20°	200.8	3.0
20°-30°	283.9	4.3
30°-40°	510.3	7.6
40°-50°	859.8	12.9
50°-60°	1337.3	20.0
60°-70°	1578.1	23.6
70°-80°	1280.1	19.2
80°-90°	317.8	4.8
90°-100°	128.3	1.9
100°-110°	29.7	0.4
110°-120°	9.3	0.1
120°-130°	8.3	0.1
130°-140°	4.4	0.1
140°-150°	2.1	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6490.5	97.2
0°-180°	6674.5	100.0



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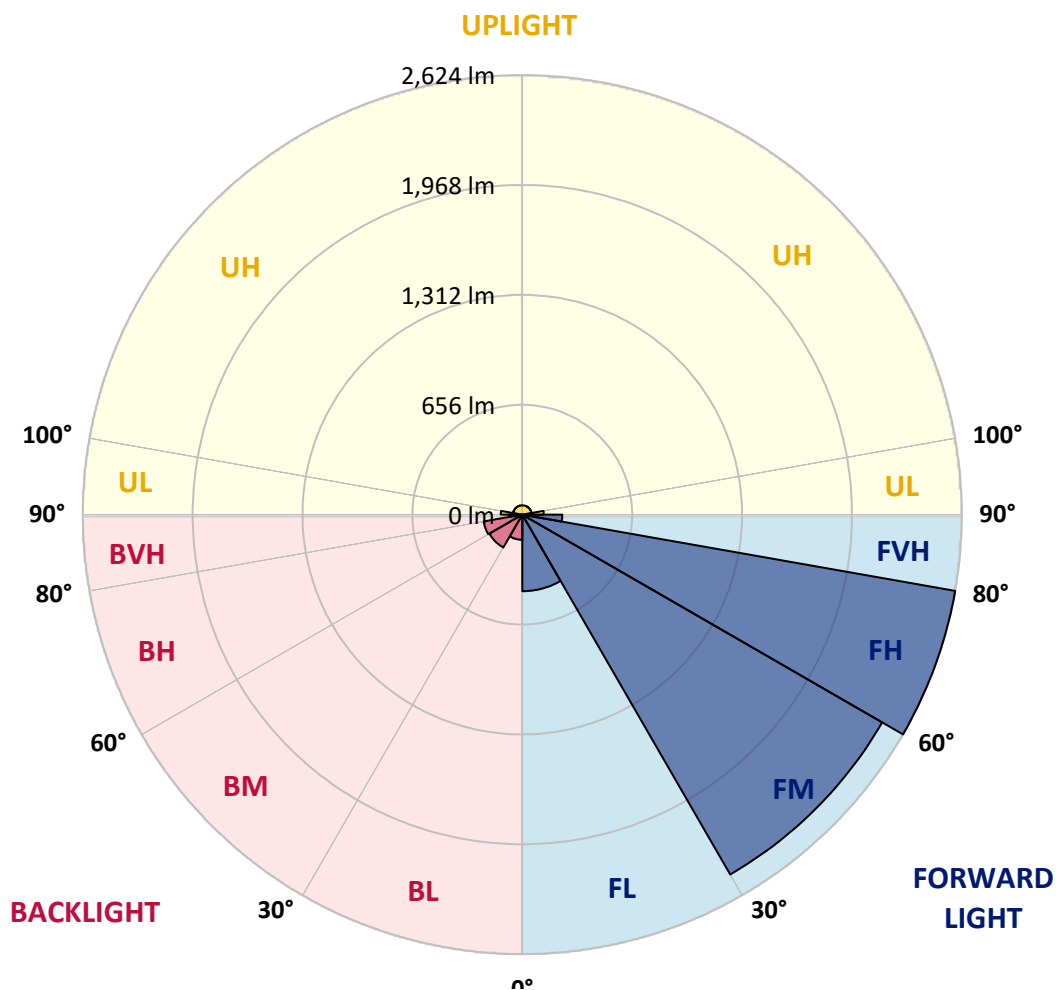
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.2	6.8			
FM	(30°-60°)	2480.6	37.2			
FH	(60°-80°)	2624.0	39.3			G2/5000
FVH	(80°-90°)	239.0	3.6			G3/500
BL	(0°-30°)	150.0	2.2	B1/500		
BM	(30°-60°)	226.7	3.4	B1/1000		
BH	(60°-80°)	234.1	3.5	B1/500		G1/500
BVH	(80°-90°)	78.9	1.2			G1/100
UL	(90°-100°)	128.3	1.9		U3/500	
UH	(100°-180°)	55.7	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°	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3
2.5°	1659.5	1785.9	1748.9	1866.1	1881.5	1875.4	1869.2	1853.8	1838.4	1810.6	1767.4
5°	1591.6	1603.9	1594.7	1616.3	1619.4	1628.6	1613.2	1699.6	1844.5	1807.5	1739.7
7.5°	1307.8	1437.4	1452.8	1492.9	1529.9	1566.9	1588.5	1585.4	1400.4	1573.1	1496.0
10°	1335.6	1354.1	1351.0	1378.8	1347.9	1295.5	1181.4	1184.5	1184.5	1221.5	1261.6
12.5°	1058.0	1113.5	1249.2	1292.4	1199.9	1091.9	1101.2	1122.8	1138.2	965.5	1064.2
15°	1199.9	1203.0	1206.0	1206.0	903.8	1033.3	900.7	814.3	931.5	1141.3	1159.8
17.5°	940.8	931.5	1085.7	1073.4	996.3	768.0	999.4	1021.0	980.9	959.3	965.5
20°	1104.3	1104.3	1095.0	872.9	919.2	990.1	857.5	854.4	903.8	1122.8	1135.1
22.5°	894.5	885.3	934.6	971.6	872.9	943.9	845.2	950.0	1051.8	993.2	811.2
25°	1119.7	1119.7	1082.7	842.1	903.8	811.2	937.7	805.1	894.5	1215.3	1156.7
27.5°	1036.4	1008.6	922.3	956.2	811.2	943.9	863.7	977.8	1033.3	1258.5	1347.9
30°	1338.7	1329.4	1230.7	962.4	922.3	866.7	928.4	984.0	1190.6	1631.7	1557.7
32.5°	1785.9	1736.6	1400.4	1190.6	968.5	1027.1	990.1	1156.7	1307.8	1668.7	1579.3
35°	1906.2	1869.2	1708.8	1446.6	1085.7	1085.7	1064.2	1181.4	1341.8	1748.9	1625.5
37.5°	1946.3	1943.2	1887.7	1582.4	1246.1	1249.2	1125.8	1240.0	1409.6	1856.9	1693.4
40°	1971.0	1977.2	2032.7	1724.2	1415.8	1409.6	1240.0	1323.3	1514.5	1974.1	1816.8
42.5°	2075.9	2109.8	2177.7	1881.5	1576.2	1579.3	1378.8	1455.9	1653.3	2168.4	1986.4
45°	2310.3	2319.5	2359.6	2097.5	1727.3	1748.9	1554.6	1634.8	1822.9	2381.2	2177.7
47.5°	2665.0	2665.0	2597.2	2267.1	1906.2	1937.1	1739.7	1822.9	2023.4	2692.8	2399.7
50°	2979.6	2955.0	2806.9	2467.6	2051.2	2119.1	1983.3	2079.0	2193.1	2930.3	2677.4
52.5°	3177.0	3167.8	2985.8	2603.3	2205.4	2319.5	2183.8	2307.2	2390.5	3177.0	2927.2
55°	3149.3	3149.3	3032.1	2674.3	2347.3	2501.5	2442.9	2597.2	2628.0	3411.5	3109.2
57.5°	3044.4	3059.8	3004.3	2702.0	2375.1	2674.3	2708.2	2853.2	2905.6	3547.2	3223.3
60°	2831.6	2862.4	2921.0	2739.0	2483.0	2868.6	2979.6	3109.2	3207.9	3649.0	3318.9
62.5°	2433.7	2473.8	2680.4	2736.0	2566.3	3069.1	3211.0	3325.1	3417.6	3704.5	3386.8
65°	1844.5	1918.6	2217.8	2538.5	2560.1	3303.5	3399.1	3510.2	3599.6	3760.0	3562.6
67.5°	1178.3	1181.4	1505.2	2097.5	2387.4	3633.5	3652.1	3707.6	3766.2	3914.2	3812.4
70°	607.6	638.5	792.7	1338.7	1955.6	3701.4	4284.4	4204.2	4114.7	4250.4	4136.3
72.5°	404.1	438.0	521.3	721.8	1227.6	3337.4	4972.2	5194.3	4799.5	4500.3	3852.5
75°	228.3	246.8	348.5	570.6	758.8	2156.1	4895.1	5687.8	5231.3	4043.8	3096.8
77.5°	101.8	108.0	157.3	447.3	650.8	1051.8	3852.5	4753.2	4571.2	3371.4	2233.2
80°	55.5	55.5	74.0	206.7	552.1	792.7	2557.1	3309.7	3109.2	2032.7	1014.8
82.5°	30.8	33.9	43.2	98.7	336.2	724.9	1616.3	2075.9	1641.0	558.3	410.2
85°	12.3	12.3	18.5	52.4	123.4	613.8	885.3	987.0	663.2	283.8	317.7
87.5°	6.2	6.2	6.2	18.5	40.1	157.3	289.9	311.5	243.7	225.2	274.5
90°	9.3	9.3	6.2	6.2	27.8	166.6	243.7	256.0	200.5	225.2	277.6
92.5°	12.3	9.3	6.2	6.2	21.6	166.6	277.6	274.5	200.5	225.2	286.9
95°	15.4	12.3	6.2	6.2	21.6	148.1	333.1	299.2	215.9	228.3	302.3
97.5°	15.4	15.4	6.2	6.2	21.6	114.1	351.6	302.3	188.2	148.1	206.7
100°	18.5	18.5	6.2	6.2	24.7	67.9	243.7	225.2	132.6	49.4	58.6
102.5°	21.6	21.6	6.2	6.2	15.4	33.9	117.2	114.1	74.0	12.3	21.6
105°	21.6	24.7	6.2	6.2	6.2	15.4	43.2	52.4	37.0	12.3	21.6
107.5°	24.7	27.8	6.2	6.2	6.2	9.3	18.5	18.5	12.3	12.3	21.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	18.5	18.5	3.1	6.2	6.2	6.2	3.1	6.2	6.2	9.3	18.5
115°	9.3	6.2	3.1	6.2	3.1	6.2	3.1	6.2	9.3	9.3	21.6
117.5°	3.1	3.1	3.1	3.1	3.1	6.2	3.1	6.2	6.2	15.4	27.8
120°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	21.6	33.9
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	21.6	40.1
125°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	15.4	37.0
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	15.4	30.8
130°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	12.3	27.8
132.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	12.3	21.6
135°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	15.4
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2
140°	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
150°	12.3	12.3	12.3	9.3	6.2	3.1	9.3	6.2	3.1	3.1	3.1
152.5°	9.3	9.3	15.4	6.2	3.1	3.1	3.1	9.3	9.3	3.1	3.1
155°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1	9.3	12.3
157.5°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	6.2	3.1
160°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3
2.5°	1752.0	1733.5	1684.1	1637.9	1582.4	1548.4	1431.2	1298.6	1270.8	1264.6	1243.1
5°	1708.8	1668.7	1573.1	1369.5	1165.9	1073.4	1030.2	996.3	950.0	940.8	928.4
7.5°	1449.7	1381.9	1233.8	984.0	953.1	866.7	795.8	737.2	610.7	576.8	558.3
10°	1206.0	1147.4	842.1	715.6	650.8	586.1	508.9	450.3	397.9	373.2	364.0
12.5°	974.7	916.1	629.2	567.5	404.1	333.1	289.9	240.6	200.5	178.9	178.9
15°	1079.6	984.0	650.8	404.1	265.3	197.4	145.0	129.5	151.1	154.2	154.2
17.5°	882.2	786.5	512.0	314.6	194.3	108.0	117.2	132.6	145.0	126.5	129.5
20°	1014.8	882.2	515.1	237.5	123.4	104.9	108.0	98.7	132.6	135.7	135.7
22.5°	768.0	694.0	388.6	188.2	95.6	98.7	92.5	111.0	123.4	108.0	104.9
25°	993.2	817.4	394.8	120.3	95.6	80.2	95.6	86.4	114.1	117.2	117.2
27.5°	1138.2	916.1	345.5	104.9	80.2	86.4	77.1	89.5	86.4	86.4	86.4
30°	1292.4	999.4	336.2	101.8	77.1	70.9	74.0	70.9	83.3	86.4	86.4
32.5°	1292.4	956.2	256.0	101.8	74.0	67.9	58.6	64.8	67.9	74.0	77.1
35°	1301.7	919.2	188.2	92.5	67.9	58.6	52.4	52.4	58.6	61.7	61.7
37.5°	1329.4	894.5	145.0	86.4	61.7	52.4	43.2	46.3	80.2	89.5	89.5
40°	1406.5	894.5	123.4	80.2	55.5	46.3	37.0	58.6	67.9	80.2	80.2
42.5°	1526.8	906.8	117.2	77.1	49.4	40.1	30.8	46.3	83.3	95.6	98.7
45°	1653.3	931.5	111.0	74.0	46.3	33.9	37.0	55.5	64.8	86.4	86.4
47.5°	1829.1	984.0	108.0	70.9	43.2	27.8	33.9	55.5	70.9	92.5	92.5
50°	2020.4	1039.5	101.8	67.9	37.0	24.7	52.4	46.3	58.6	95.6	95.6
52.5°	2217.8	1104.3	98.7	64.8	33.9	33.9	58.6	55.5	70.9	92.5	95.6
55°	2390.5	1156.7	92.5	64.8	30.8	30.8	61.7	55.5	64.8	86.4	89.5
57.5°	2473.8	1165.9	89.5	61.7	27.8	30.8	58.6	67.9	58.6	70.9	77.1
60°	2578.6	1190.6	80.2	55.5	24.7	40.1	67.9	89.5	80.2	92.5	98.7
62.5°	2677.4	1209.1	70.9	49.4	21.6	43.2	89.5	108.0	86.4	108.0	120.3
65°	2859.3	1249.2	58.6	40.1	18.5	49.4	101.8	129.5	95.6	126.5	126.5
67.5°	3112.3	1314.0	46.3	33.9	18.5	55.5	104.9	148.1	114.1	138.8	135.7
70°	3211.0	1209.1	40.1	30.8	18.5	64.8	114.1	160.4	120.3	154.2	154.2
72.5°	2800.7	872.9	33.9	30.8	30.8	74.0	141.9	175.8	132.6	194.3	191.2
75°	2162.2	549.0	33.9	30.8	37.0	92.5	160.4	188.2	141.9	215.9	212.8
77.5°	1440.5	259.1	33.9	33.9	43.2	101.8	172.7	200.5	157.3	240.6	237.5
80°	564.5	141.9	37.0	37.0	52.4	108.0	185.1	206.7	163.5	259.1	256.0
82.5°	271.4	98.7	37.0	37.0	70.9	120.3	197.4	215.9	169.6	262.2	259.1
85°	231.3	92.5	33.9	40.1	86.4	151.1	209.7	212.8	172.7	249.8	249.8
87.5°	206.7	89.5	33.9	40.1	117.2	175.8	219.0	209.7	185.1	243.7	243.7
90°	212.8	95.6	37.0	46.3	132.6	178.9	222.1	209.7	178.9	225.2	225.2
92.5°	228.3	101.8	40.1	49.4	132.6	166.6	206.7	188.2	166.6	191.2	188.2
95°	240.6	108.0	43.2	55.5	117.2	129.5	172.7	151.1	138.8	148.1	148.1
97.5°	185.1	83.3	49.4	61.7	89.5	77.1	108.0	98.7	74.0	61.7	61.7
100°	49.4	27.8	52.4	61.7	61.7	52.4	80.2	74.0	49.4	21.6	21.6
102.5°	18.5	18.5	49.4	58.6	49.4	40.1	58.6	55.5	40.1	6.2	6.2
105°	18.5	15.4	30.8	46.3	30.8	21.6	30.8	37.0	24.7	6.2	6.2
107.5°	18.5	15.4	18.5	27.8	12.3	9.3	12.3	12.3	12.3	3.1	6.2



REPORT NUMBER: P560927

CATALOG NUMBER: SDL-PA1-70-750-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.5	15.4	9.3	12.3	9.3	9.3	6.2	6.2	9.3	18.5	18.5
115°	18.5	15.4	9.3	9.3	6.2	9.3	6.2	3.1	9.3	21.6	24.7
117.5°	24.7	15.4	6.2	6.2	6.2	6.2	6.2	3.1	9.3	27.8	30.8
120°	30.8	18.5	6.2	6.2	6.2	3.1	6.2	3.1	12.3	27.8	30.8
122.5°	33.9	21.6	6.2	6.2	6.2	3.1	3.1	6.2	12.3	27.8	27.8
125°	33.9	21.6	6.2	6.2	3.1	3.1	3.1	3.1	12.3	27.8	30.8
127.5°	27.8	18.5	6.2	6.2	3.1	3.1	3.1	3.1	12.3	24.7	27.8
130°	24.7	18.5	6.2	6.2	3.1	3.1	3.1	3.1	12.3	21.6	24.7
132.5°	18.5	15.4	6.2	3.1	3.1	3.1	3.1	3.1	12.3	18.5	21.6
135°	15.4	9.3	6.2	3.1	3.1	3.1	3.1	3.1	9.3	18.5	18.5
137.5°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3
140°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2
142.5°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
145°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
147.5°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
150°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2
152.5°	3.1	6.2	3.1	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1
155°	12.3	9.3	6.2	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
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°	24.7	24.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2	12.3	21.6
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110°	18.5	15.4	9.3	12.3	9.3	9.3	9.3	6.2	6.2	12.3	12.3
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(END OF REPORT)