

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: P560509

Luminaire Tested: **SDL-PA1-50-727-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560509
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-PA1-50-727-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA 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: 4225.4 lumens
Efficiency: N/A
Efficacy: 80.6 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 - G2

Input Watts (W): 52.4
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

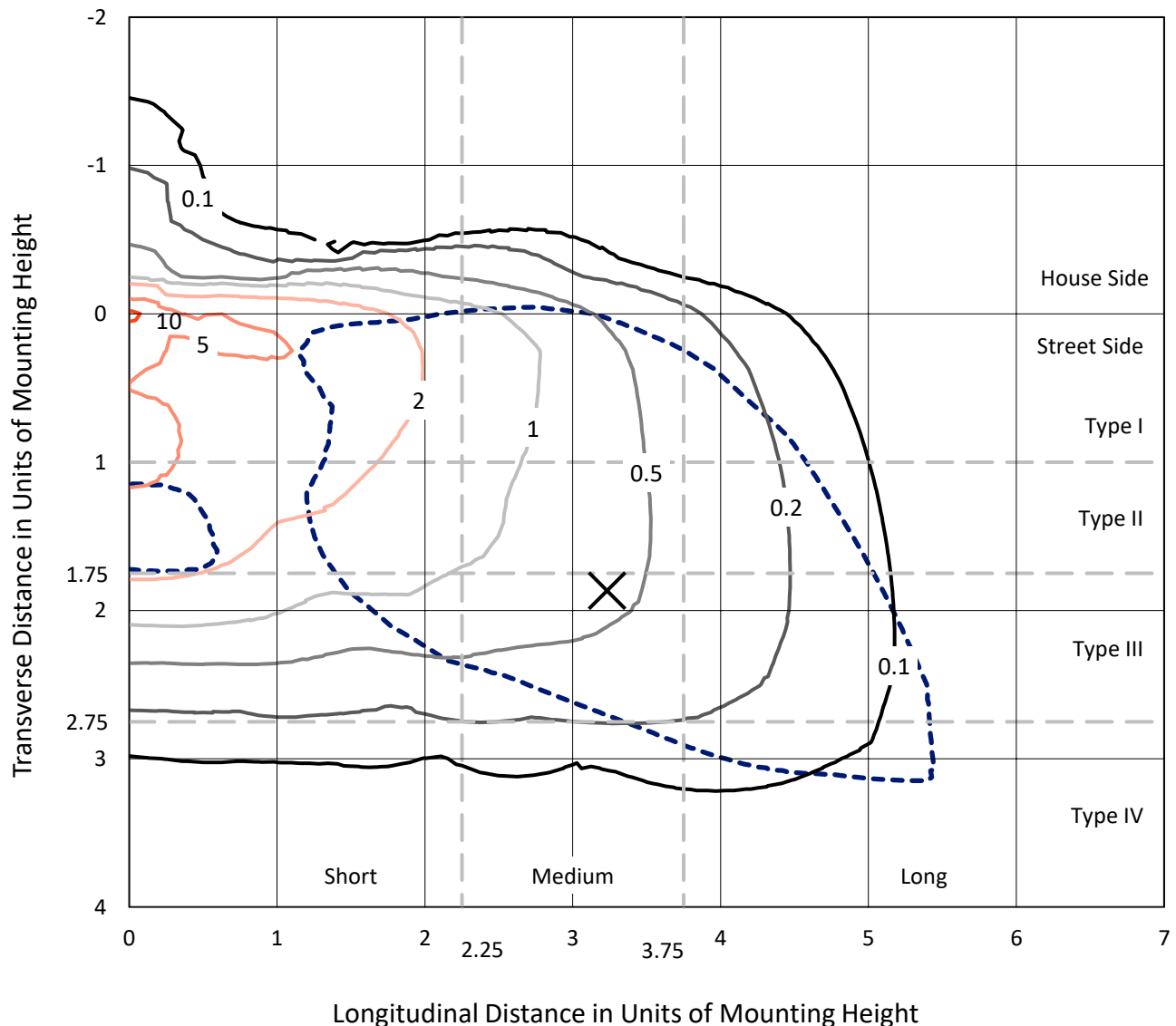


REPORT NUMBER: P560509

CATALOG NUMBER: SDL-PA1-50-727-U-SL3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

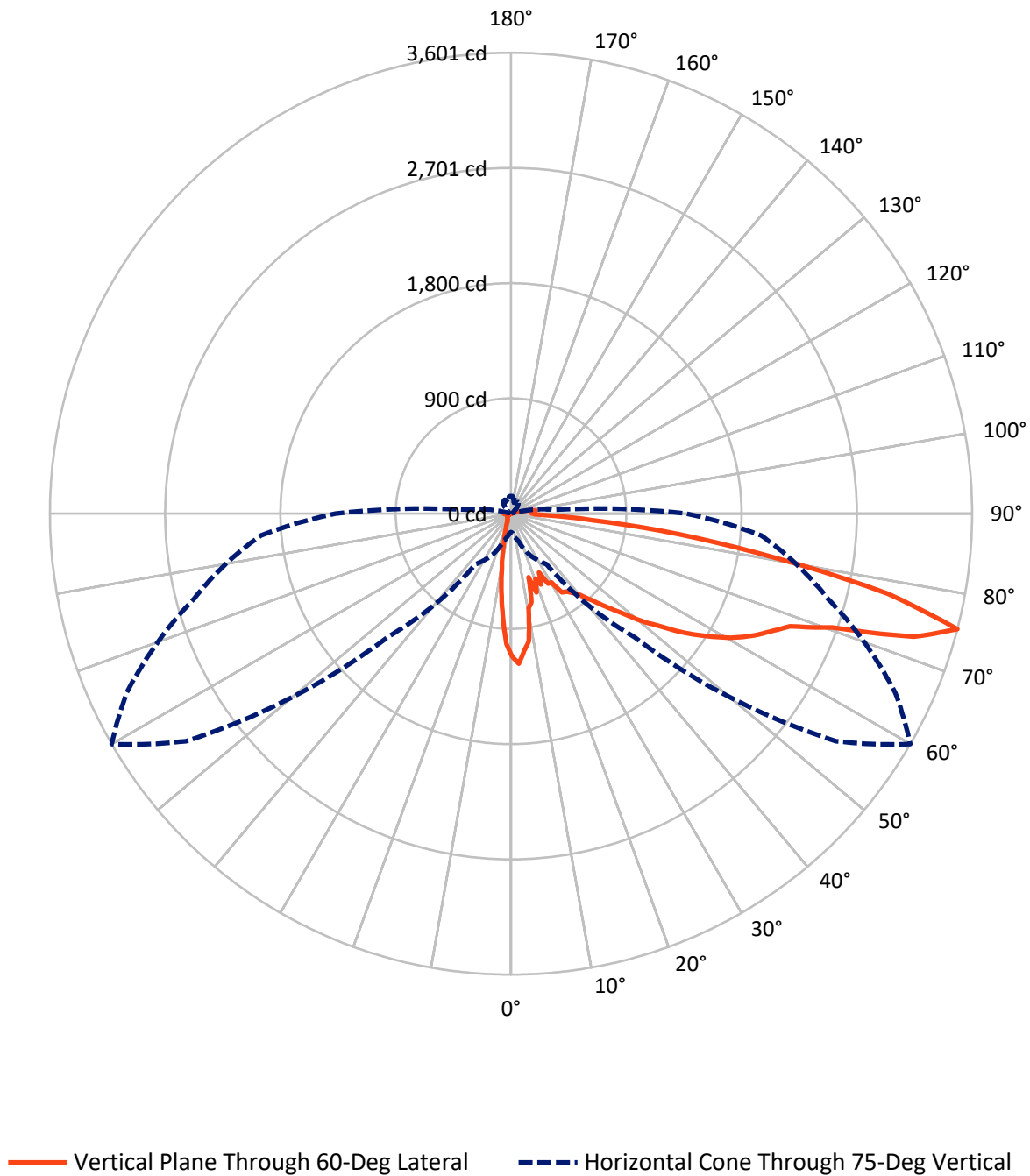


Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560509

CATALOG NUMBER: SDL-PA1-50-727-U-SL3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560509

CATALOG NUMBER: SDL-PA1-50-727-U-SL3-HSS-A

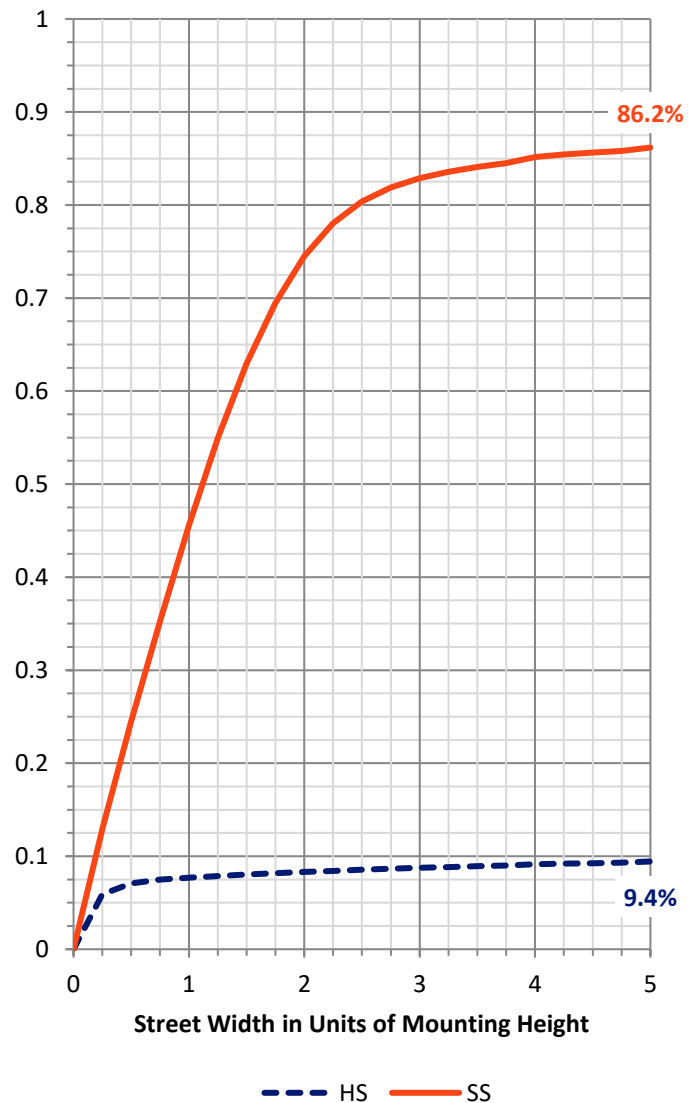
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	436.7	57.0	493.6
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	3672.2	59.6	3731.8
	% Fixture	86.9	1.4	88.3
Total	Lumens	4108.9	116.5	4225.4
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	1.8
10°-20°	127.1	3.0
20°-30°	179.7	4.3
30°-40°	323.0	7.6
40°-50°	544.3	12.9
50°-60°	846.6	20.0
60°-70°	999.0	23.6
70°-80°	810.4	19.2
80°-90°	201.2	4.8
90°-100°	81.2	1.9
100°-110°	18.8	0.4
110°-120°	5.9	0.1
120°-130°	5.3	0.1
130°-140°	2.8	0.1
140°-150°	1.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4108.9	97.2
0°-180°	4225.4	100.0

Coefficient of Utilization



REPORT NUMBER: P560509

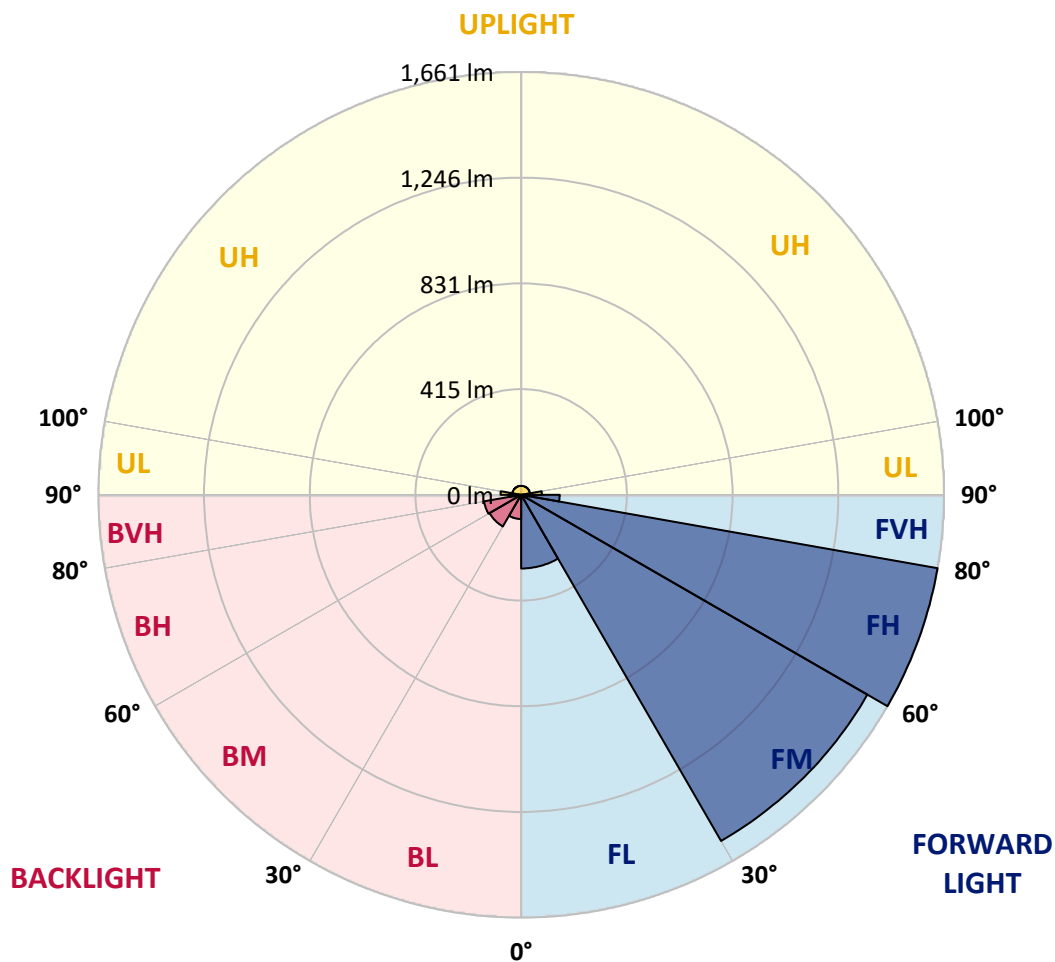
CATALOG NUMBER: SDL-PA1-50-727-U-SL3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.4	6.8			
FM	(30°-60°)	1570.4	37.2			
FH	(60°-80°)	1661.2	39.3			G1/1800
FVH	(80°-90°)	151.3	3.6			G2/225
BL	(0°-30°)	95.0	2.2	B0/110		
BM	(30°-60°)	143.5	3.4	B0/220		
BH	(60°-80°)	148.2	3.5	B1/500		G1/500
BVH	(80°-90°)	49.9	1.2			G1/100
UL	(90°-100°)	81.2	1.9		U3/500	
UH	(100°-180°)	35.3	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P560509

CATALOG NUMBER: SDL-PA1-50-727-U-SL3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9
2.5°	1050.5	1130.6	1107.2	1181.4	1191.1	1187.2	1183.3	1173.6	1163.8	1146.2	1118.9
5°	1007.6	1015.4	1009.5	1023.2	1025.2	1031.0	1021.3	1075.9	1167.7	1144.3	1101.3
7.5°	827.9	910.0	919.7	945.1	968.5	992.0	1005.6	1003.7	886.5	995.9	947.1
10°	845.5	857.2	855.3	872.9	853.3	820.1	747.9	749.8	749.8	773.3	798.7
12.5°	669.8	704.9	790.8	818.2	759.6	691.3	697.1	710.8	720.5	611.2	673.7
15°	759.6	761.6	763.5	763.5	572.1	654.2	570.2	515.5	589.7	722.5	734.2
17.5°	595.6	589.7	687.3	679.5	630.7	486.2	632.7	646.3	621.0	607.3	611.2
20°	699.1	699.1	693.2	552.6	581.9	626.8	542.8	540.9	572.1	710.8	718.6
22.5°	566.3	560.4	591.7	615.1	552.6	597.5	535.0	601.4	665.9	628.8	513.6
25°	708.8	708.8	685.4	533.1	572.1	513.6	593.6	509.7	566.3	769.4	732.3
27.5°	656.1	638.5	583.9	605.3	513.6	597.5	546.8	619.0	654.2	796.7	853.3
30°	847.5	841.6	779.1	609.2	583.9	548.7	587.8	622.9	753.7	1033.0	986.1
32.5°	1130.6	1099.4	886.5	753.7	613.1	650.2	626.8	732.3	827.9	1056.4	999.8
35°	1206.8	1183.3	1081.8	915.8	687.3	687.3	673.7	747.9	849.4	1107.2	1029.1
37.5°	1232.2	1230.2	1195.0	1001.7	788.9	790.8	712.7	785.0	892.4	1175.5	1072.0
40°	1247.8	1251.7	1286.8	1091.6	896.3	892.4	785.0	837.7	958.8	1249.7	1150.1
42.5°	1314.2	1335.6	1378.6	1191.1	997.8	999.8	872.9	921.7	1046.6	1372.7	1257.5
45°	1462.6	1468.4	1493.8	1327.8	1093.5	1107.2	984.2	1034.9	1154.0	1507.5	1378.6
47.5°	1687.1	1687.1	1644.2	1435.2	1206.8	1226.3	1101.3	1154.0	1281.0	1704.7	1519.2
50°	1886.3	1870.7	1777.0	1562.2	1298.5	1341.5	1255.6	1316.1	1388.4	1855.1	1694.9
52.5°	2011.3	2005.4	1890.2	1648.1	1396.2	1468.4	1382.5	1460.6	1513.3	2011.3	1853.1
55°	1993.7	1993.7	1919.5	1693.0	1486.0	1583.6	1546.5	1644.2	1663.7	2159.7	1968.3
57.5°	1927.3	1937.1	1901.9	1710.6	1503.6	1693.0	1714.5	1806.2	1839.4	2245.6	2040.6
60°	1792.6	1812.1	1849.2	1734.0	1571.9	1816.0	1886.3	1968.3	2030.8	2310.0	2101.1
62.5°	1540.7	1566.1	1696.9	1732.0	1624.6	1942.9	2032.8	2105.0	2163.6	2345.2	2144.1
65°	1167.7	1214.6	1404.0	1607.1	1620.7	2091.3	2151.9	2222.2	2278.8	2380.3	2255.4
67.5°	745.9	747.9	952.9	1327.8	1511.4	2300.3	2312.0	2347.1	2384.2	2478.0	2413.5
70°	384.7	404.2	501.8	847.5	1238.0	2343.2	2712.3	2661.5	2604.9	2690.8	2618.6
72.5°	255.8	277.3	330.0	456.9	777.2	2112.8	3147.7	3288.3	3038.4	2849.0	2438.9
75°	144.5	156.2	220.7	361.2	480.4	1364.9	3098.9	3600.8	3311.8	2560.0	1960.5
77.5°	64.4	68.3	99.6	283.1	412.0	665.9	2438.9	3009.1	2893.9	2134.3	1413.8
80°	35.1	35.1	46.9	130.8	349.5	501.8	1618.8	2095.2	1968.3	1286.8	642.4
82.5°	19.5	21.5	27.3	62.5	212.8	458.9	1023.2	1314.2	1038.8	353.4	259.7
85°	7.8	7.8	11.7	33.2	78.1	388.6	560.4	624.9	419.8	179.6	201.1
87.5°	3.9	3.9	3.9	11.7	25.4	99.6	183.6	197.2	154.3	142.5	173.8
90°	5.9	5.9	3.9	3.9	17.6	105.4	154.3	162.1	126.9	142.5	175.7
92.5°	7.8	5.9	3.9	3.9	13.7	105.4	175.7	173.8	126.9	142.5	181.6
95°	9.8	7.8	3.9	3.9	13.7	93.7	210.9	189.4	136.7	144.5	191.4
97.5°	9.8	9.8	3.9	3.9	13.7	72.2	222.6	191.4	119.1	93.7	130.8
100°	11.7	11.7	3.9	3.9	15.6	43.0	154.3	142.5	84.0	31.2	37.1
102.5°	13.7	13.7	3.9	3.9	9.8	21.5	74.2	72.2	46.9	7.8	13.7
105°	13.7	15.6	3.9	3.9	3.9	9.8	27.3	33.2	23.4	7.8	13.7
107.5°	15.6	17.6	3.9	3.9	3.9	5.9	11.7	11.7	7.8	7.8	13.7
110°	15.6	15.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8	13.7

REPORT NUMBER: P560509

CATALOG NUMBER: SDL-PA1-50-727-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	11.7	11.7	2.0	3.9	3.9	3.9	2.0	3.9	3.9	5.9	11.7
115°	5.9	3.9	2.0	3.9	2.0	3.9	2.0	3.9	5.9	5.9	13.7
117.5°	2.0	2.0	2.0	2.0	2.0	3.9	2.0	3.9	3.9	9.8	17.6
120°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	13.7	21.5
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	13.7	25.4
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	9.8	23.4
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	9.8	19.5
130°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	7.8	17.6
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	7.8	13.7
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	9.8
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9
140°	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
150°	7.8	7.8	7.8	5.9	3.9	2.0	5.9	3.9	2.0	2.0	2.0
152.5°	5.9	5.9	9.8	3.9	2.0	2.0	2.0	5.9	5.9	2.0	2.0
155°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	5.9	7.8
157.5°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	3.9	2.0
160°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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 NUMBER: P560509

CATALOG NUMBER: SDL-PA1-50-727-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9
2.5°	1109.1	1097.4	1066.2	1036.9	1001.7	980.3	906.1	822.1	804.5	800.6	786.9
5°	1081.8	1056.4	995.9	867.0	738.1	679.5	652.2	630.7	601.4	595.6	587.8
7.5°	917.8	874.8	781.1	622.9	603.4	548.7	503.8	466.7	386.6	365.2	353.4
10°	763.5	726.4	533.1	453.0	412.0	371.0	322.2	285.1	251.9	236.3	230.4
12.5°	617.1	580.0	398.3	359.3	255.8	210.9	183.6	152.3	126.9	113.3	113.3
15°	683.4	622.9	412.0	255.8	167.9	125.0	91.8	82.0	95.7	97.6	97.6
17.5°	558.5	497.9	324.1	199.2	123.0	68.3	74.2	84.0	91.8	80.1	82.0
20°	642.4	558.5	326.1	150.4	78.1	66.4	68.3	62.5	84.0	85.9	85.9
22.5°	486.2	439.4	246.0	119.1	60.5	62.5	58.6	70.3	78.1	68.3	66.4
25°	628.8	517.5	249.9	76.2	60.5	50.8	60.5	54.7	72.2	74.2	74.2
27.5°	720.5	580.0	218.7	66.4	50.8	54.7	48.8	56.6	54.7	54.7	54.7
30°	818.2	632.7	212.8	64.4	48.8	44.9	46.9	44.9	52.7	54.7	54.7
32.5°	818.2	605.3	162.1	64.4	46.9	43.0	37.1	41.0	43.0	46.9	48.8
35°	824.0	581.9	119.1	58.6	43.0	37.1	33.2	33.2	37.1	39.1	39.1
37.5°	841.6	566.3	91.8	54.7	39.1	33.2	27.3	29.3	50.8	56.6	56.6
40°	890.4	566.3	78.1	50.8	35.1	29.3	23.4	37.1	43.0	50.8	50.8
42.5°	966.6	574.1	74.2	48.8	31.2	25.4	19.5	29.3	52.7	60.5	62.5
45°	1046.6	589.7	70.3	46.9	29.3	21.5	23.4	35.1	41.0	54.7	54.7
47.5°	1157.9	622.9	68.3	44.9	27.3	17.6	21.5	35.1	44.9	58.6	58.6
50°	1279.0	658.1	64.4	43.0	23.4	15.6	33.2	29.3	37.1	60.5	60.5
52.5°	1404.0	699.1	62.5	41.0	21.5	21.5	37.1	35.1	44.9	58.6	60.5
55°	1513.3	732.3	58.6	41.0	19.5	19.5	39.1	35.1	41.0	54.7	56.6
57.5°	1566.1	738.1	56.6	39.1	17.6	19.5	37.1	43.0	37.1	44.9	48.8
60°	1632.5	753.7	50.8	35.1	15.6	25.4	43.0	56.6	50.8	58.6	62.5
62.5°	1694.9	765.5	44.9	31.2	13.7	27.3	56.6	68.3	54.7	68.3	76.2
65°	1810.1	790.8	37.1	25.4	11.7	31.2	64.4	82.0	60.5	80.1	80.1
67.5°	1970.3	831.8	29.3	21.5	11.7	35.1	66.4	93.7	72.2	87.9	85.9
70°	2032.8	765.5	25.4	19.5	11.7	41.0	72.2	101.5	76.2	97.6	97.6
72.5°	1773.0	552.6	21.5	19.5	19.5	46.9	89.8	111.3	84.0	123.0	121.1
75°	1368.8	347.6	21.5	19.5	23.4	58.6	101.5	119.1	89.8	136.7	134.7
77.5°	911.9	164.0	21.5	21.5	27.3	64.4	109.4	126.9	99.6	152.3	150.4
80°	357.3	89.8	23.4	23.4	33.2	68.3	117.2	130.8	103.5	164.0	162.1
82.5°	171.8	62.5	23.4	23.4	44.9	76.2	125.0	136.7	107.4	166.0	164.0
85°	146.5	58.6	21.5	25.4	54.7	95.7	132.8	134.7	109.4	158.2	158.2
87.5°	130.8	56.6	21.5	25.4	74.2	111.3	138.6	132.8	117.2	154.3	154.3
90°	134.7	60.5	23.4	29.3	84.0	113.3	140.6	132.8	113.3	142.5	142.5
92.5°	144.5	64.4	25.4	31.2	84.0	105.4	130.8	119.1	105.4	121.1	119.1
95°	152.3	68.3	27.3	35.1	74.2	82.0	109.4	95.7	87.9	93.7	93.7
97.5°	117.2	52.7	31.2	39.1	56.6	48.8	68.3	62.5	46.9	39.1	39.1
100°	31.2	17.6	33.2	39.1	39.1	33.2	50.8	46.9	31.2	13.7	13.7
102.5°	11.7	11.7	31.2	37.1	31.2	25.4	37.1	35.1	25.4	3.9	3.9
105°	11.7	9.8	19.5	29.3	19.5	13.7	19.5	23.4	15.6	3.9	3.9
107.5°	11.7	9.8	11.7	17.6	7.8	5.9	7.8	7.8	7.8	2.0	3.9
110°	11.7	9.8	5.9	7.8	5.9	5.9	5.9	3.9	3.9	7.8	7.8

REPORT NUMBER: P560509

CATALOG NUMBER: SDL-PA1-50-727-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	9.8	5.9	7.8	5.9	5.9	3.9	3.9	5.9	11.7	11.7
115°	11.7	9.8	5.9	5.9	3.9	5.9	3.9	2.0	5.9	13.7	15.6
117.5°	15.6	9.8	3.9	3.9	3.9	3.9	3.9	2.0	5.9	17.6	19.5
120°	19.5	11.7	3.9	3.9	3.9	2.0	3.9	2.0	7.8	17.6	19.5
122.5°	21.5	13.7	3.9	3.9	3.9	2.0	2.0	3.9	7.8	17.6	17.6
125°	21.5	13.7	3.9	3.9	2.0	2.0	2.0	2.0	7.8	17.6	19.5
127.5°	17.6	11.7	3.9	3.9	2.0	2.0	2.0	2.0	7.8	15.6	17.6
130°	15.6	11.7	3.9	3.9	2.0	2.0	2.0	2.0	7.8	13.7	15.6
132.5°	11.7	9.8	3.9	2.0	2.0	2.0	2.0	2.0	7.8	11.7	13.7
135°	9.8	5.9	3.9	2.0	2.0	2.0	2.0	2.0	5.9	11.7	11.7
137.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
140°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9
142.5°	2.0	3.9	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
145°	2.0	3.9	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
147.5°	2.0	3.9	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
150°	2.0	3.9	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	3.9
152.5°	2.0	3.9	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0
155°	7.8	5.9	3.9	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
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

(END OF REPORT)