

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: P561335

Luminaire Tested: **SDL-PA1-90-827-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-827-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5242.6 lumens
Efficiency: N/A
Efficacy: 56.7 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): 92.4
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

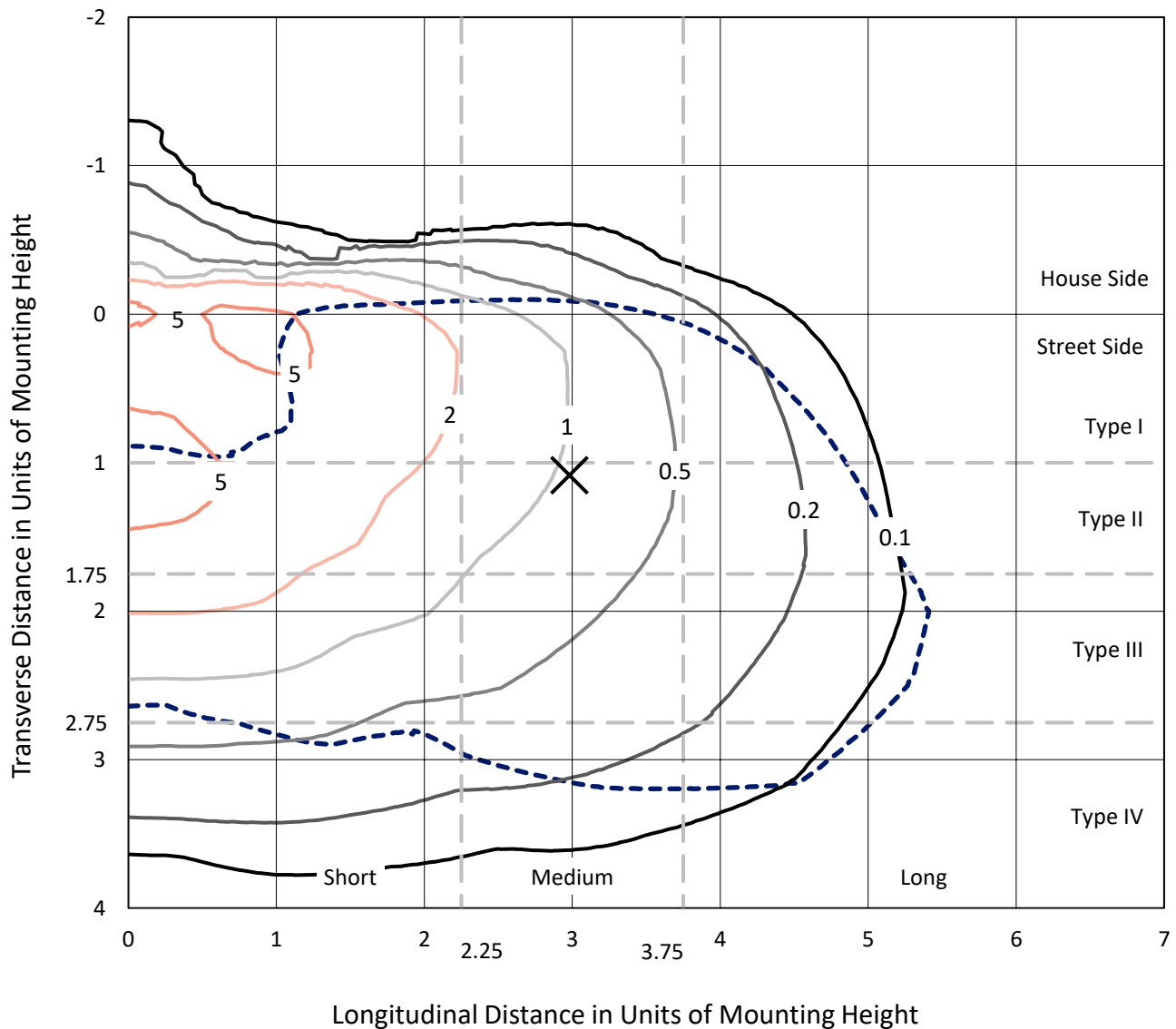


REPORT NUMBER: P561335

CATALOG NUMBER: SDL-PA1-90-827-U-T3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

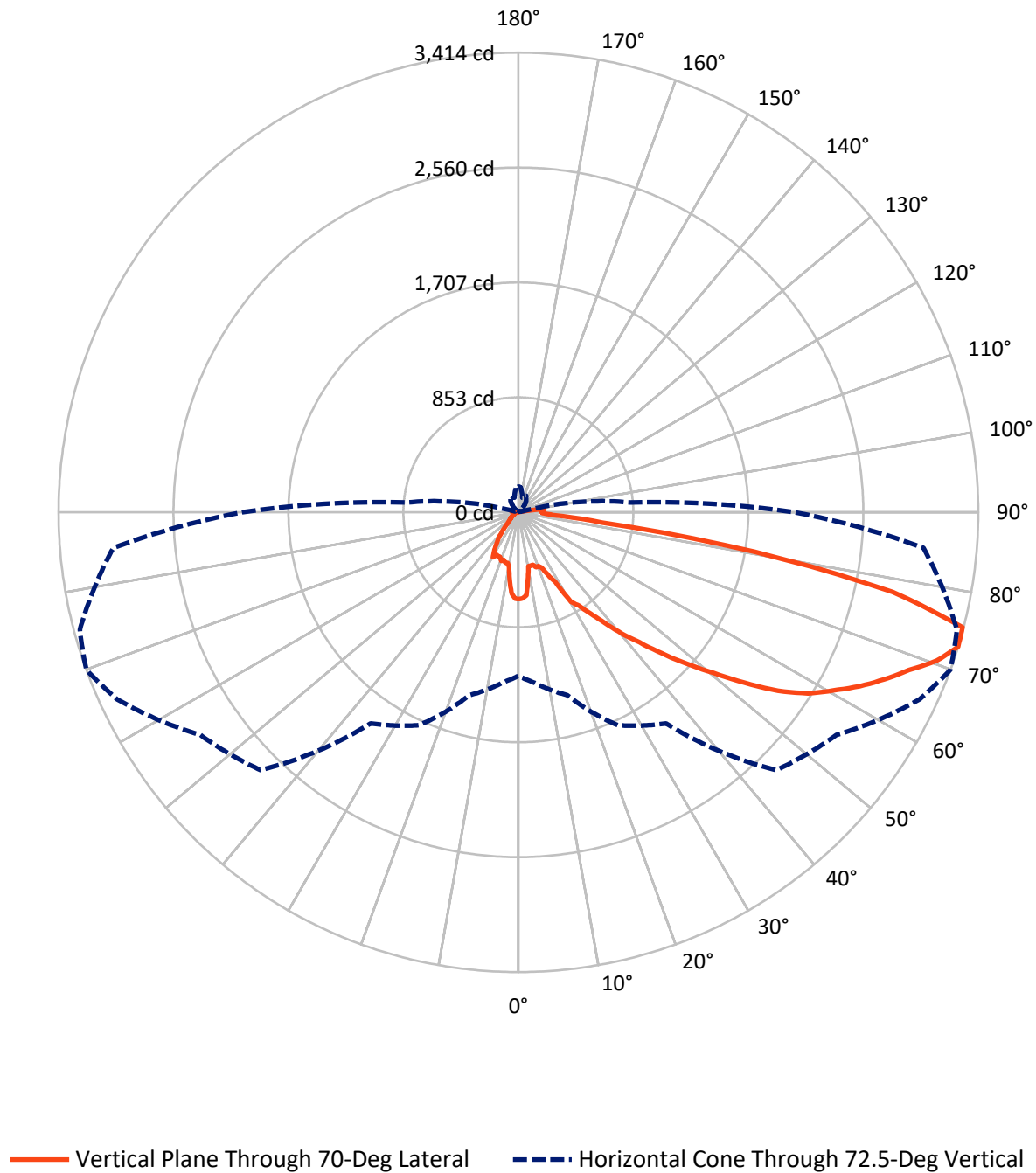


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
Type IV - Medium - N/A

REPORT NUMBER: P561335

CATALOG NUMBER: SDL-PA1-90-827-U-T3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P561335

CATALOG NUMBER: SDL-PA1-90-827-U-T3-HSS-A

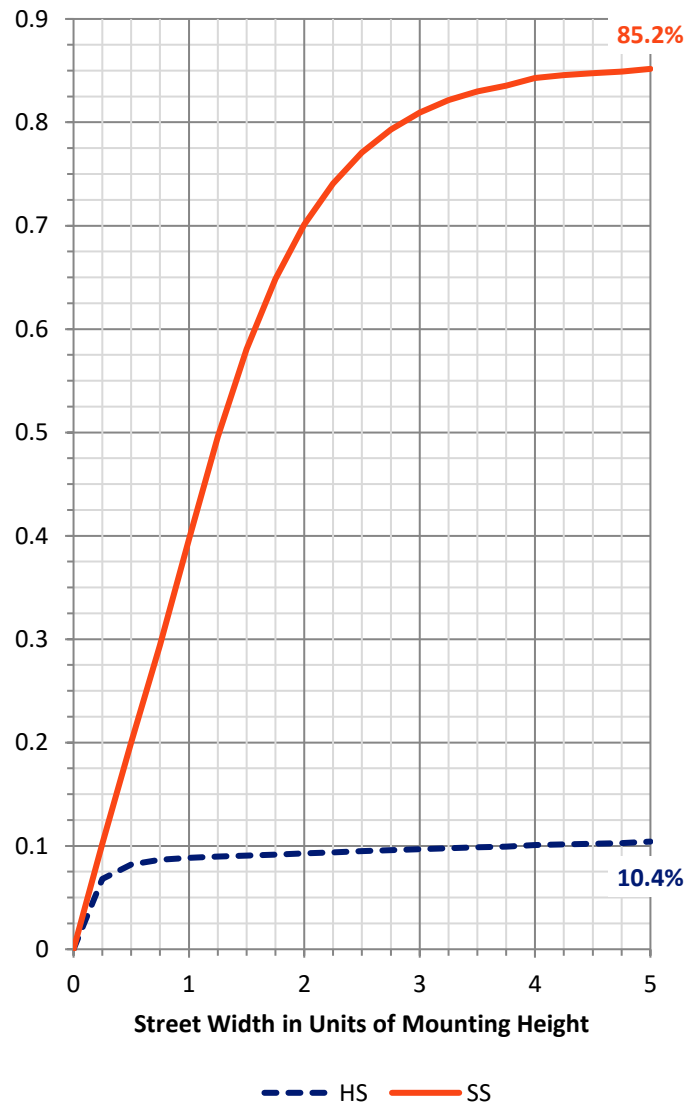
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	601.0	84.5	685.5
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	4488.8	68.4	4557.1
	% Fixture	85.6	1.3	86.9
Total	Lumens	5089.7	152.9	5242.6
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	0.9
10°-20°	98.2	1.9
20°-30°	159.0	3.0
30°-40°	339.8	6.5
40°-50°	668.1	12.7
50°-60°	1115.6	21.3
60°-70°	1384.5	26.4
70°-80°	1066.3	20.3
80°-90°	208.5	4.0
90°-100°	113.1	2.2
100°-110°	23.4	0.4
110°-120°	6.7	0.1
120°-130°	5.1	0.1
130°-140°	2.4	0.0
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5089.7	97.1
0°-180°	5242.6	100.0

Coefficient of Utilization



REPORT NUMBER: P561335

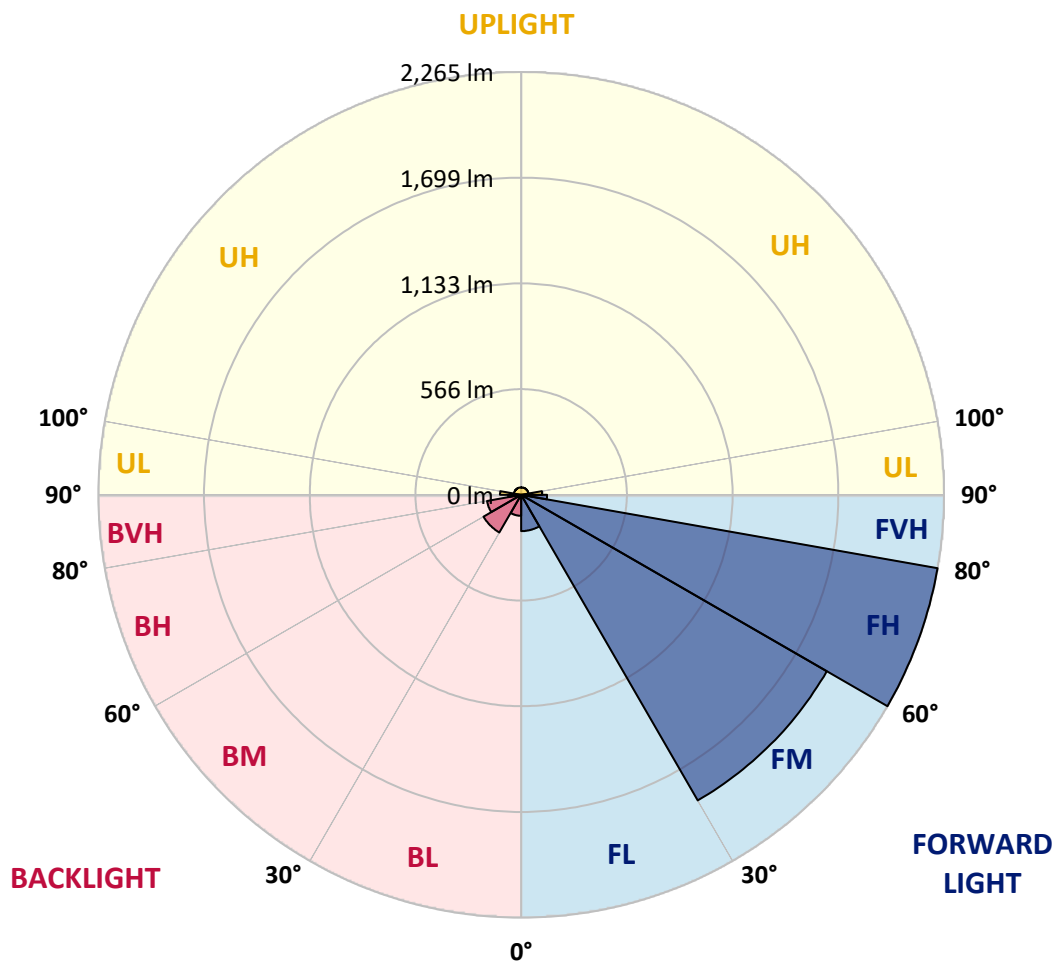
CATALOG NUMBER: SDL-PA1-90-827-U-T3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.5	3.7			
FM	(30°-60°)	1890.4	36.1			
FH	(60°-80°)	2265.1	43.2			G2/5000
FVH	(80°-90°)	138.7	2.6			G2/225
BL	(0°-30°)	112.4	2.1	B1/500		
BM	(30°-60°)	233.0	4.4	B1/1000		
BH	(60°-80°)	185.7	3.5	B1/500		G1/500
BVH	(80°-90°)	69.8	1.3			G1/100
UL	(90°-100°)	113.1	2.2		U3/500	
UH	(100°-180°)	39.8	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P561335

CATALOG NUMBER: SDL-PA1-90-827-U-T3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0
2.5°	543.0	603.0	605.8	611.2	616.7	624.9	638.5	638.5	638.5	638.5	641.2
5°	515.7	515.7	515.7	521.2	521.2	526.6	529.4	611.2	619.4	627.6	627.6
7.5°	428.4	469.3	472.1	488.4	507.5	515.7	521.2	515.7	507.5	540.3	553.9
10°	469.3	469.3	469.3	474.8	447.5	433.9	401.1	403.8	406.6	431.1	491.2
12.5°	390.2	414.8	439.3	466.6	431.1	387.5	379.3	401.1	406.6	362.9	431.1
15°	455.7	453.0	453.0	428.4	357.5	387.5	338.4	357.5	403.8	442.0	513.0
17.5°	376.6	365.6	425.7	420.2	382.0	305.6	390.2	387.5	428.4	395.7	442.0
20°	447.5	444.8	444.8	343.8	379.3	412.0	406.6	379.3	425.7	474.8	559.4
22.5°	376.6	371.1	382.0	412.0	376.6	425.7	371.1	469.3	447.5	433.9	406.6
25°	474.8	472.1	472.1	376.6	425.7	390.2	469.3	428.4	518.4	564.8	616.7
27.5°	425.7	425.7	406.6	436.6	406.6	491.2	450.2	540.3	586.7	616.7	744.9
30°	589.4	592.1	559.4	433.9	453.0	461.1	532.1	668.5	769.5	843.2	922.3
32.5°	848.6	832.2	695.8	592.1	480.2	570.3	589.4	777.7	826.8	905.9	974.1
35°	1154.2	1146.0	1026.0	766.8	578.5	611.2	657.6	845.9	922.3	1001.4	1042.3
37.5°	1364.3	1356.1	1279.7	976.9	698.5	712.2	717.6	941.4	1039.6	1118.8	1137.9
40°	1536.2	1522.6	1476.2	1140.6	859.5	832.2	805.0	1072.4	1184.2	1249.7	1257.9
42.5°	1795.5	1773.6	1656.3	1328.9	1023.2	993.2	900.5	1187.0	1320.7	1408.0	1413.4
45°	2106.5	2087.4	1923.7	1590.8	1197.9	1189.7	1069.6	1334.3	1492.6	1596.3	1566.3
47.5°	2319.4	2267.5	2174.7	1841.8	1468.0	1397.1	1257.9	1484.4	1678.1	1833.7	1749.1
50°	2513.1	2474.9	2395.8	2120.2	1760.0	1664.5	1454.4	1656.3	1874.6	2016.5	1901.9
52.5°	2693.2	2635.9	2570.4	2327.5	2011.0	1964.6	1648.1	1828.2	2101.1	2218.4	2060.1
55°	2783.2	2693.2	2682.3	2515.8	2204.8	2166.6	1866.4	2041.0	2338.5	2420.3	2210.2
57.5°	2635.9	2633.2	2717.7	2630.4	2363.0	2343.9	2087.4	2270.2	2537.7	2575.9	2357.6
60°	2537.7	2540.4	2668.6	2674.1	2502.2	2513.1	2286.6	2534.9	2685.0	2709.6	2496.7
62.5°	2365.7	2384.8	2578.6	2704.1	2537.7	2674.1	2455.8	2717.7	2843.3	2851.4	2668.6
65°	2150.2	2169.3	2365.7	2622.2	2499.5	2780.5	2597.7	2922.4	2987.9	2993.3	2856.9
67.5°	1899.1	1907.3	2125.6	2409.4	2406.7	2818.7	2685.0	3058.8	3127.0	3143.4	3017.9
70°	1620.8	1609.9	1809.1	2136.5	2207.5	2799.6	2791.4	3192.5	3296.2	3293.5	3129.8
72.5°	1214.3	1266.1	1405.3	1743.6	1912.8	2706.8	2881.5	3285.3	3413.6	3369.9	3017.9
75°	414.8	442.0	818.6	1110.6	1473.5	2458.5	2900.6	3290.8	3405.4	3211.6	2469.4
77.5°	136.4	128.2	182.8	442.0	818.6	1702.7	2551.3	2870.6	2840.5	2496.7	1517.1
80°	65.5	68.2	81.9	155.5	300.2	772.2	1601.7	1817.3	1776.4	1309.8	657.6
82.5°	43.7	46.4	54.6	90.0	169.2	264.7	851.3	829.5	627.6	412.0	270.1
85°	19.1	19.1	27.3	46.4	103.7	174.6	324.7	283.8	256.5	237.4	221.0
87.5°	5.5	5.5	10.9	16.4	35.5	109.1	182.8	171.9	177.4	185.5	210.1
90°	5.5	5.5	5.5	5.5	27.3	114.6	185.5	174.6	174.6	185.5	221.0
92.5°	8.2	8.2	5.5	5.5	24.6	114.6	193.7	166.4	177.4	188.3	237.4
95°	8.2	10.9	5.5	2.7	19.1	117.3	199.2	177.4	193.7	191.0	253.8
97.5°	10.9	10.9	5.5	2.7	10.9	101.0	201.9	144.6	147.3	136.4	199.2
100°	13.6	13.6	5.5	5.5	8.2	51.8	150.1	92.8	57.3	43.7	65.5
102.5°	16.4	16.4	5.5	5.5	5.5	19.1	68.2	54.6	30.0	8.2	16.4
105°	16.4	19.1	5.5	5.5	2.7	8.2	30.0	21.8	10.9	8.2	16.4
107.5°	19.1	19.1	5.5	5.5	2.7	5.5	8.2	8.2	5.5	8.2	16.4
110°	19.1	19.1	8.2	5.5	2.7	5.5	2.7	5.5	5.5	8.2	19.1

REPORT NUMBER: P561335

CATALOG NUMBER: SDL-PA1-90-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	13.6	13.6	5.5	8.2	2.7	2.7	2.7	5.5	5.5	8.2	16.4
115°	8.2	5.5	2.7	5.5	2.7	2.7	2.7	5.5	5.5	5.5	13.6
117.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5	8.2	16.4
120°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5	10.9	19.1
122.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	10.9	21.8
125°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	8.2	19.1
127.5°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	5.5	8.2	16.4
130°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	5.5	10.9
132.5°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	5.5	10.9
135°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	5.5
137.5°	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	5.5	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
152.5°	5.5	5.5	5.5	2.7	2.7	2.7	2.7	5.5	5.5	2.7	2.7
155°	2.7	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7	5.5	5.5
157.5°	0.0	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7
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 NUMBER: P561335

CATALOG NUMBER: SDL-PA1-90-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0
2.5°	641.2	641.2	638.5	644.0	641.2	641.2	605.8	570.3	562.1	564.8	570.3
5°	630.3	630.3	630.3	586.7	537.5	521.2	526.6	526.6	526.6	523.9	529.4
7.5°	556.6	553.9	545.7	496.6	518.4	515.7	513.0	507.5	442.0	425.7	425.7
10°	493.9	493.9	422.9	403.8	403.8	420.2	431.1	414.8	406.6	392.9	390.2
12.5°	433.9	433.9	362.9	403.8	341.1	338.4	330.2	302.9	256.5	223.8	226.5
15°	515.7	515.7	428.4	343.8	286.5	270.1	169.2	158.3	152.8	150.1	147.3
17.5°	439.3	442.0	395.7	341.1	267.4	141.9	120.1	120.1	120.1	114.6	103.7
20°	556.6	556.6	461.1	305.6	201.9	111.9	92.8	81.9	111.9	111.9	111.9
22.5°	403.8	398.4	406.6	311.1	125.5	90.0	76.4	95.5	101.0	84.6	84.6
25°	611.2	603.0	493.9	223.8	103.7	70.9	84.6	73.7	95.5	95.5	95.5
27.5°	753.1	698.5	502.1	204.6	76.4	81.9	68.2	81.9	73.7	70.9	70.9
30°	905.9	881.4	605.8	161.0	73.7	68.2	70.9	65.5	76.4	70.9	70.9
32.5°	955.0	930.5	548.5	125.5	70.9	65.5	60.0	62.8	60.0	62.8	62.8
35°	1017.8	993.2	485.7	95.5	65.5	57.3	54.6	54.6	51.8	49.1	49.1
37.5°	1107.8	1066.9	414.8	81.9	60.0	51.8	43.7	40.9	43.7	54.6	57.3
40°	1211.5	1143.3	327.4	73.7	51.8	43.7	32.7	38.2	46.4	46.4	46.4
42.5°	1361.6	1236.1	242.9	68.2	46.4	35.5	24.6	30.0	35.5	49.1	49.1
45°	1492.6	1290.7	171.9	62.8	38.2	27.3	19.1	30.0	38.2	43.7	43.7
47.5°	1645.4	1342.5	128.2	60.0	35.5	19.1	21.8	30.0	30.0	46.4	46.4
50°	1773.6	1353.4	103.7	54.6	27.3	13.6	27.3	27.3	32.7	40.9	40.9
52.5°	1893.7	1364.3	92.8	49.1	21.8	10.9	27.3	27.3	38.2	49.1	49.1
55°	1972.8	1331.6	84.6	43.7	19.1	8.2	30.0	30.0	30.0	38.2	38.2
57.5°	2035.6	1290.7	79.1	38.2	16.4	16.4	32.7	38.2	32.7	38.2	38.2
60°	2076.5	1217.0	68.2	35.5	13.6	16.4	40.9	49.1	38.2	57.3	57.3
62.5°	2150.2	1159.7	60.0	32.7	10.9	16.4	40.9	62.8	49.1	76.4	79.1
65°	2210.2	1107.8	51.8	24.6	10.9	21.8	46.4	79.1	60.0	95.5	98.2
67.5°	2234.8	1045.1	43.7	21.8	10.9	24.6	60.0	98.2	76.4	111.9	111.9
70°	2215.7	979.6	35.5	21.8	10.9	38.2	79.1	114.6	92.8	136.4	139.2
72.5°	2049.2	835.0	27.3	21.8	8.2	40.9	98.2	136.4	111.9	185.5	191.0
75°	1569.0	529.4	27.3	21.8	10.9	46.4	114.6	158.3	133.7	207.4	215.6
77.5°	957.8	245.6	27.3	24.6	13.6	57.3	125.5	182.8	147.3	223.8	229.2
80°	425.7	152.8	27.3	27.3	27.3	70.9	147.3	201.9	166.4	237.4	245.6
82.5°	212.8	114.6	24.6	27.3	40.9	84.6	174.6	215.6	171.9	245.6	248.3
85°	182.8	103.7	24.6	30.0	43.7	98.2	188.3	218.3	180.1	242.9	245.6
87.5°	174.6	98.2	30.0	30.0	49.1	103.7	193.7	229.2	185.5	234.7	231.9
90°	182.8	95.5	32.7	35.5	62.8	106.4	196.5	223.8	185.5	221.0	221.0
92.5°	188.3	92.8	35.5	40.9	76.4	120.1	193.7	218.3	185.5	204.6	204.6
95°	193.7	92.8	40.9	46.4	76.4	131.0	185.5	199.2	171.9	182.8	180.1
97.5°	147.3	68.2	49.1	51.8	70.9	101.0	150.1	155.5	111.9	109.1	106.4
100°	51.8	30.0	49.1	57.3	43.7	43.7	90.0	109.1	65.5	40.9	46.4
102.5°	16.4	13.6	43.7	57.3	35.5	16.4	46.4	68.2	49.1	5.5	5.5
105°	16.4	16.4	24.6	46.4	24.6	5.5	16.4	38.2	30.0	5.5	5.5
107.5°	16.4	13.6	10.9	27.3	8.2	5.5	8.2	8.2	8.2	2.7	5.5
110°	19.1	13.6	5.5	8.2	5.5	5.5	5.5	5.5	5.5	10.9	10.9

REPORT NUMBER: P561335

CATALOG NUMBER: SDL-PA1-90-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.1	13.6	5.5	8.2	5.5	5.5	5.5	2.7	5.5	13.6	16.4
115°	16.4	13.6	5.5	5.5	5.5	5.5	2.7	2.7	5.5	16.4	16.4
117.5°	19.1	16.4	5.5	5.5	2.7	5.5	2.7	2.7	5.5	16.4	19.1
120°	21.8	19.1	5.5	5.5	2.7	2.7	2.7	2.7	5.5	13.6	16.4
122.5°	21.8	21.8	5.5	2.7	2.7	2.7	2.7	2.7	8.2	13.6	13.6
125°	19.1	19.1	5.5	2.7	2.7	2.7	2.7	2.7	8.2	13.6	13.6
127.5°	16.4	16.4	5.5	2.7	2.7	2.7	2.7	2.7	5.5	10.9	13.6
130°	13.6	13.6	5.5	2.7	2.7	2.7	0.0	2.7	5.5	10.9	10.9
132.5°	10.9	8.2	5.5	2.7	2.7	2.7	0.0	2.7	5.5	8.2	10.9
135°	8.2	8.2	2.7	2.7	2.7	2.7	0.0	0.0	5.5	5.5	8.2
137.5°	5.5	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	5.5	5.5
140°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
152.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
155°	5.5	5.5	5.5	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.7	2.7	2.7	2.7	2.7	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

(END OF REPORT)