

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: P560443

Luminaire Tested: **SDL-PA1-40-827-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560443
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-PA1-40-827-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 500mA 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: 2862.5 lumens
Efficiency: N/A
Efficacy: 72.7 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: B0 - U3 - G2

Input Watts (W): 39.4
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

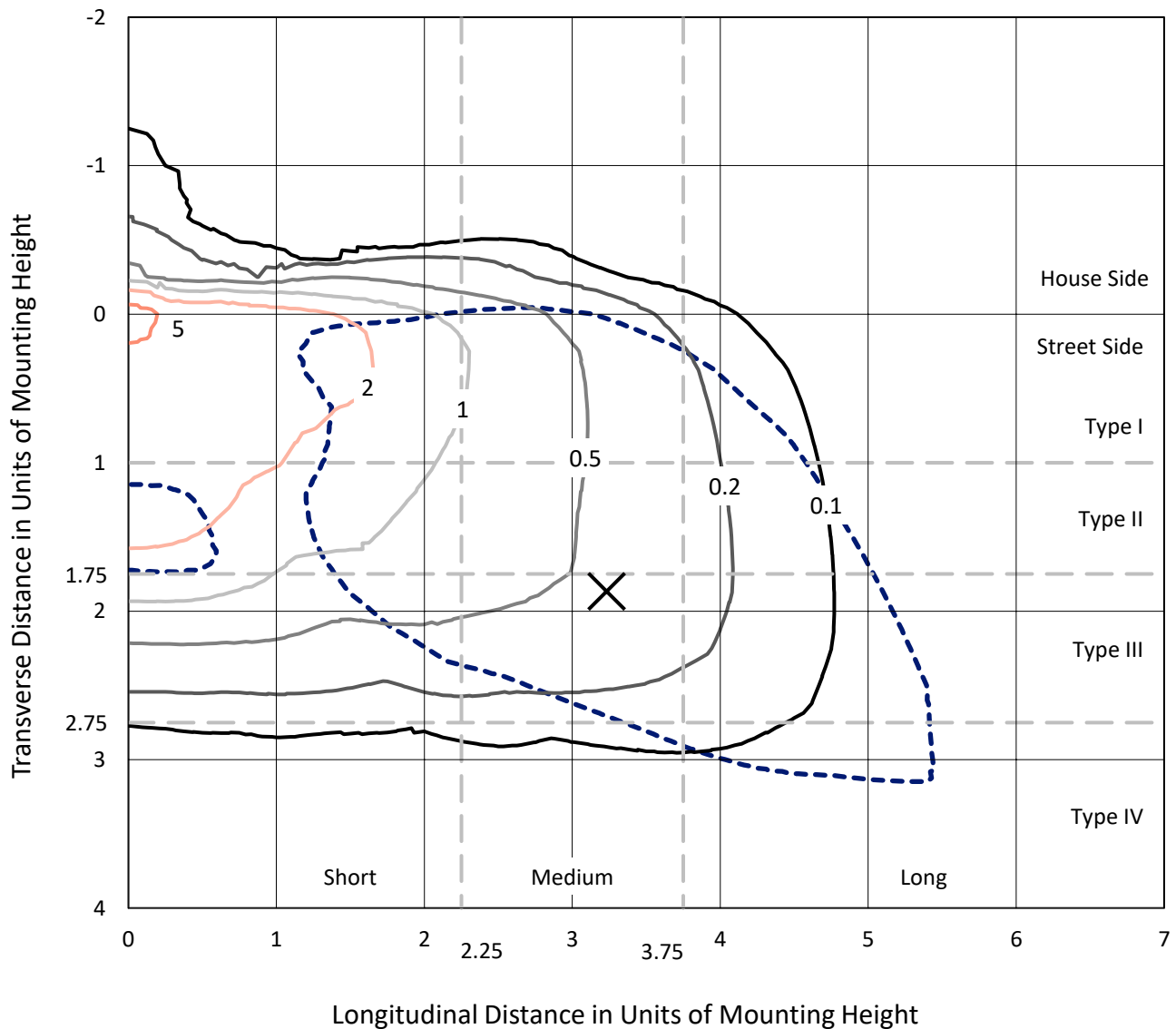


REPORT NUMBER: P560443

CATALOG NUMBER: SDL-PA1-40-827-U-SL3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

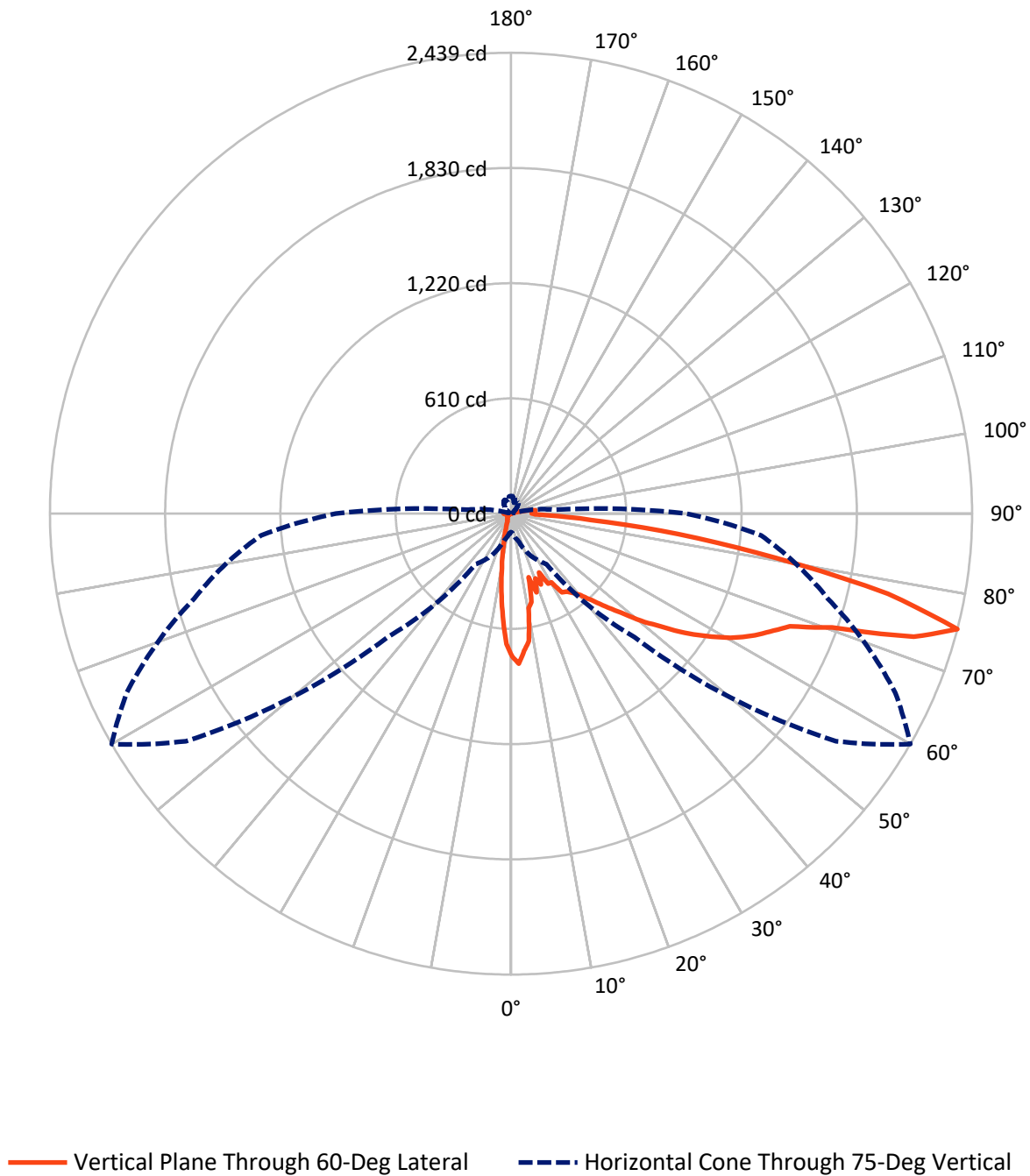


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560443

CATALOG NUMBER: SDL-PA1-40-827-U-SL3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560443

CATALOG NUMBER: SDL-PA1-40-827-U-SL3-HSS-A

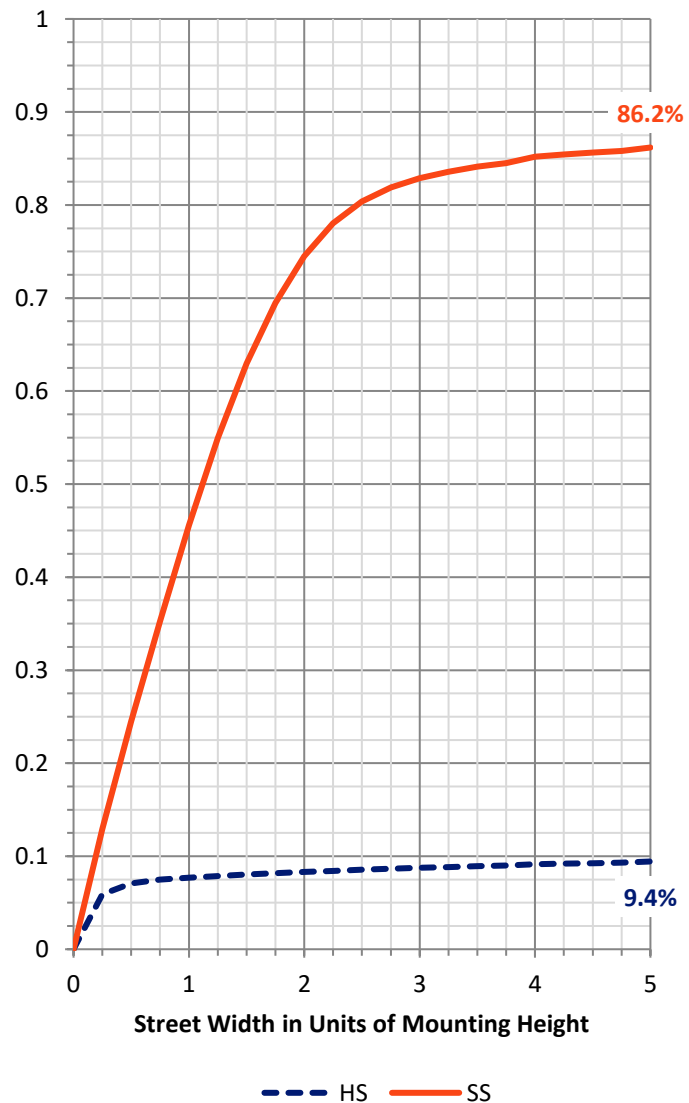
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	295.8	38.5	334.4
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	2487.8	40.3	2528.1
	% Fixture	86.9	1.4	88.3
Total	Lumens	2783.7	78.8	2862.5
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.8
10°-20°	86.1	3.0
20°-30°	121.8	4.3
30°-40°	218.8	7.6
40°-50°	368.7	12.9
50°-60°	573.5	20.0
60°-70°	676.8	23.6
70°-80°	549.0	19.2
80°-90°	136.3	4.8
90°-100°	55.0	1.9
100°-110°	12.7	0.4
110°-120°	4.0	0.1
120°-130°	3.5	0.1
130°-140°	1.9	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2783.7	97.2
0°-180°	2862.5	100.0

Coefficient of Utilization



REPORT NUMBER: P560443

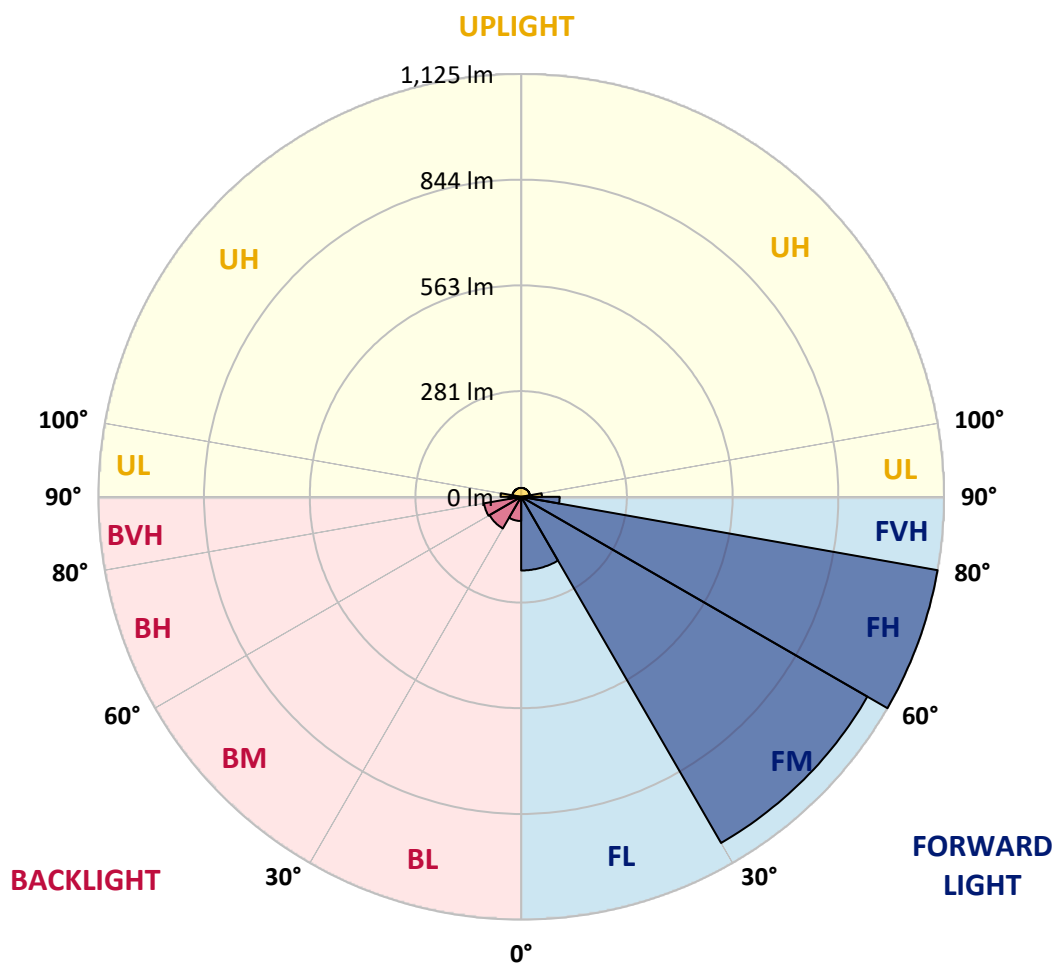
CATALOG NUMBER: SDL-PA1-40-827-U-SL3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	196.1	6.8			
FM	(30°-60°)	1063.9	37.2			
FH	(60°-80°)	1125.4	39.3			G1/1800
FVH	(80°-90°)	102.5	3.6			G2/225
BL	(0°-30°)	64.3	2.2	B0/110		
BM	(30°-60°)	97.2	3.4	B0/220		
BH	(60°-80°)	100.4	3.5	B0/110		G0/110
BVH	(80°-90°)	33.8	1.2			G1/100
UL	(90°-100°)	55.0	1.9		U3/500	
UH	(100°-180°)	23.8	0.8		U2/50	

BUG Rating: B0-U3-G2

Type IV Medium



REPORT NUMBER: P560443

CATALOG NUMBER: SDL-PA1-40-827-U-SL3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7
2.5°	711.7	766.0	750.1	800.3	807.0	804.3	801.7	795.1	788.4	776.5	758.0
5°	682.6	687.9	683.9	693.2	694.5	698.5	691.9	728.9	791.1	775.2	746.1
7.5°	560.9	616.5	623.1	640.3	656.2	672.0	681.3	680.0	600.6	674.7	641.6
10°	572.8	580.7	579.4	591.3	578.1	555.6	506.7	508.0	508.0	523.9	541.1
12.5°	453.8	477.6	535.8	554.3	514.6	468.3	472.3	481.5	488.1	414.1	456.4
15°	514.6	515.9	517.2	517.2	387.6	443.2	386.3	349.2	399.5	489.5	497.4
17.5°	403.5	399.5	465.7	460.4	427.3	329.4	428.6	437.9	420.7	411.4	414.1
20°	473.6	473.6	469.6	374.4	394.2	424.6	367.8	366.4	387.6	481.5	486.8
22.5°	383.6	379.7	400.8	416.7	374.4	404.8	362.5	407.4	451.1	426.0	347.9
25°	480.2	480.2	464.3	361.1	387.6	347.9	402.2	345.3	383.6	521.2	496.1
27.5°	444.5	432.6	395.5	410.1	347.9	404.8	370.4	419.4	443.2	539.7	578.1
30°	574.1	570.2	527.8	412.7	395.5	371.7	398.2	422.0	510.6	699.8	668.1
32.5°	766.0	744.8	600.6	510.6	415.4	440.5	424.6	496.1	560.9	715.7	677.3
35°	817.5	801.7	732.9	620.4	465.7	465.7	456.4	506.7	575.5	750.1	697.2
37.5°	834.7	833.4	809.6	678.6	534.4	535.8	482.9	531.8	604.6	796.4	726.3
40°	845.3	848.0	871.8	739.5	607.2	604.6	531.8	567.5	649.5	846.6	779.2
42.5°	890.3	904.9	934.0	807.0	676.0	677.3	591.3	624.4	709.1	930.0	851.9
45°	990.8	994.8	1012.0	899.6	740.8	750.1	666.7	701.1	781.8	1021.3	934.0
47.5°	1143.0	1143.0	1113.9	972.3	817.5	830.8	746.1	781.8	867.8	1154.9	1029.2
50°	1277.9	1267.3	1203.8	1058.3	879.7	908.8	850.6	891.6	940.6	1256.7	1148.3
52.5°	1362.6	1358.6	1280.6	1116.5	945.9	994.8	936.6	989.5	1025.2	1362.6	1255.4
55°	1350.7	1350.7	1300.4	1146.9	1006.7	1072.9	1047.7	1113.9	1127.1	1463.1	1333.5
57.5°	1305.7	1312.3	1288.5	1158.9	1018.6	1146.9	1161.5	1223.7	1246.2	1521.3	1382.4
60°	1214.4	1227.6	1252.8	1174.7	1064.9	1230.3	1277.9	1333.5	1375.8	1565.0	1423.4
62.5°	1043.8	1061.0	1149.6	1173.4	1100.6	1316.3	1377.1	1426.1	1465.8	1588.8	1452.5
65°	791.1	822.8	951.2	1088.7	1098.0	1416.8	1457.8	1505.4	1543.8	1612.6	1527.9
67.5°	505.3	506.7	645.6	899.6	1023.9	1558.4	1566.3	1590.1	1615.2	1678.7	1635.1
70°	260.6	273.8	340.0	574.1	838.7	1587.5	1837.5	1803.1	1764.7	1822.9	1774.0
72.5°	173.3	187.9	223.6	309.6	526.5	1431.4	2132.5	2227.7	2058.4	1930.1	1652.3
75°	97.9	105.8	149.5	244.7	325.4	924.7	2099.4	2439.4	2243.6	1734.3	1328.2
77.5°	43.7	46.3	67.5	191.8	279.1	451.1	1652.3	2038.6	1960.5	1445.9	957.8
80°	23.8	23.8	31.7	88.6	236.8	340.0	1096.7	1419.5	1333.5	871.8	435.2
82.5°	13.2	14.6	18.5	42.3	144.2	310.9	693.2	890.3	703.8	239.4	175.9
85°	5.3	5.3	7.9	22.5	52.9	263.3	379.7	423.3	284.4	121.7	136.3
87.5°	2.6	2.6	2.6	7.9	17.2	67.5	124.4	133.6	104.5	96.6	117.7
90°	4.0	4.0	2.6	2.6	11.9	71.4	104.5	109.8	86.0	96.6	119.1
92.5°	5.3	4.0	2.6	2.6	9.3	71.4	119.1	117.7	86.0	96.6	123.0
95°	6.6	5.3	2.6	2.6	9.3	63.5	142.9	128.3	92.6	97.9	129.6
97.5°	6.6	6.6	2.6	2.6	9.3	48.9	150.8	129.6	80.7	63.5	88.6
100°	7.9	7.9	2.6	2.6	10.6	29.1	104.5	96.6	56.9	21.2	25.1
102.5°	9.3	9.3	2.6	2.6	6.6	14.6	50.3	48.9	31.7	5.3	9.3
105°	9.3	10.6	2.6	2.6	2.6	6.6	18.5	22.5	15.9	5.3	9.3
107.5°	10.6	11.9	2.6	2.6	2.6	4.0	7.9	7.9	5.3	5.3	9.3
110°	10.6	10.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.3	9.3

REPORT NUMBER: P560443

CATALOG NUMBER: SDL-PA1-40-827-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	7.9	7.9	1.3	2.6	2.6	2.6	1.3	2.6	2.6	4.0	7.9
115°	4.0	2.6	1.3	2.6	1.3	2.6	1.3	2.6	4.0	4.0	9.3
117.5°	1.3	1.3	1.3	1.3	1.3	2.6	1.3	2.6	2.6	6.6	11.9
120°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	9.3	14.6
122.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	9.3	17.2
125°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	6.6	15.9
127.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	6.6	13.2
130°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	5.3	11.9
132.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	5.3	9.3
135°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	6.6
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
140°	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3
150°	5.3	5.3	5.3	4.0	2.6	1.3	4.0	2.6	1.3	1.3	1.3
152.5°	4.0	4.0	6.6	2.6	1.3	1.3	1.3	4.0	4.0	1.3	1.3
155°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	1.3	1.3	4.0	5.3
157.5°	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	2.6	1.3
160°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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: P560443

CATALOG NUMBER: SDL-PA1-40-827-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7
2.5°	751.4	743.5	722.3	702.5	678.6	664.1	613.8	556.9	545.0	542.4	533.1
5°	732.9	715.7	674.7	587.4	500.1	460.4	441.8	427.3	407.4	403.5	398.2
7.5°	621.8	592.7	529.2	422.0	408.8	371.7	341.3	316.2	261.9	247.4	239.4
10°	517.2	492.1	361.1	306.9	279.1	251.3	218.3	193.1	170.7	160.1	156.1
12.5°	418.0	392.9	269.9	243.4	173.3	142.9	124.4	103.2	86.0	76.7	76.7
15°	463.0	422.0	279.1	173.3	113.8	84.7	62.2	55.6	64.8	66.1	66.1
17.5°	378.3	337.3	219.6	134.9	83.3	46.3	50.3	56.9	62.2	54.2	55.6
20°	435.2	378.3	220.9	101.9	52.9	45.0	46.3	42.3	56.9	58.2	58.2
22.5°	329.4	297.7	166.7	80.7	41.0	42.3	39.7	47.6	52.9	46.3	45.0
25°	426.0	350.6	169.3	51.6	41.0	34.4	41.0	37.0	48.9	50.3	50.3
27.5°	488.1	392.9	148.2	45.0	34.4	37.0	33.1	38.4	37.0	37.0	37.0
30°	554.3	428.6	144.2	43.7	33.1	30.4	31.7	30.4	35.7	37.0	37.0
32.5°	554.3	410.1	109.8	43.7	31.7	29.1	25.1	27.8	29.1	31.7	33.1
35°	558.3	394.2	80.7	39.7	29.1	25.1	22.5	22.5	25.1	26.5	26.5
37.5°	570.2	383.6	62.2	37.0	26.5	22.5	18.5	19.8	34.4	38.4	38.4
40°	603.2	383.6	52.9	34.4	23.8	19.8	15.9	25.1	29.1	34.4	34.4
42.5°	654.8	388.9	50.3	33.1	21.2	17.2	13.2	19.8	35.7	41.0	42.3
45°	709.1	399.5	47.6	31.7	19.8	14.6	15.9	23.8	27.8	37.0	37.0
47.5°	784.5	422.0	46.3	30.4	18.5	11.9	14.6	23.8	30.4	39.7	39.7
50°	866.5	445.8	43.7	29.1	15.9	10.6	22.5	19.8	25.1	41.0	41.0
52.5°	951.2	473.6	42.3	27.8	14.6	14.6	25.1	23.8	30.4	39.7	41.0
55°	1025.2	496.1	39.7	27.8	13.2	13.2	26.5	23.8	27.8	37.0	38.4
57.5°	1061.0	500.1	38.4	26.5	11.9	13.2	25.1	29.1	25.1	30.4	33.1
60°	1105.9	510.6	34.4	23.8	10.6	17.2	29.1	38.4	34.4	39.7	42.3
62.5°	1148.3	518.6	30.4	21.2	9.3	18.5	38.4	46.3	37.0	46.3	51.6
65°	1226.3	535.8	25.1	17.2	7.9	21.2	43.7	55.6	41.0	54.2	54.2
67.5°	1334.8	563.6	19.8	14.6	7.9	23.8	45.0	63.5	48.9	59.5	58.2
70°	1377.1	518.6	17.2	13.2	7.9	27.8	48.9	68.8	51.6	66.1	66.1
72.5°	1201.2	374.4	14.6	13.2	13.2	31.7	60.9	75.4	56.9	83.3	82.0
75°	927.3	235.5	14.6	13.2	15.9	39.7	68.8	80.7	60.9	92.6	91.3
77.5°	617.8	111.1	14.6	14.6	18.5	43.7	74.1	86.0	67.5	103.2	101.9
80°	242.1	60.9	15.9	15.9	22.5	46.3	79.4	88.6	70.1	111.1	109.8
82.5°	116.4	42.3	15.9	15.9	30.4	51.6	84.7	92.6	72.8	112.4	111.1
85°	99.2	39.7	14.6	17.2	37.0	64.8	90.0	91.3	74.1	107.2	107.2
87.5°	88.6	38.4	14.6	17.2	50.3	75.4	93.9	90.0	79.4	104.5	104.5
90°	91.3	41.0	15.9	19.8	56.9	76.7	95.2	90.0	76.7	96.6	96.6
92.5°	97.9	43.7	17.2	21.2	56.9	71.4	88.6	80.7	71.4	82.0	80.7
95°	103.2	46.3	18.5	23.8	50.3	55.6	74.1	64.8	59.5	63.5	63.5
97.5°	79.4	35.7	21.2	26.5	38.4	33.1	46.3	42.3	31.7	26.5	26.5
100°	21.2	11.9	22.5	26.5	26.5	22.5	34.4	31.7	21.2	9.3	9.3
102.5°	7.9	7.9	21.2	25.1	21.2	17.2	25.1	23.8	17.2	2.6	2.6
105°	7.9	6.6	13.2	19.8	13.2	9.3	13.2	15.9	10.6	2.6	2.6
107.5°	7.9	6.6	7.9	11.9	5.3	4.0	5.3	5.3	5.3	1.3	2.6
110°	7.9	6.6	4.0	5.3	4.0	4.0	4.0	2.6	2.6	5.3	5.3

REPORT NUMBER: P560443

CATALOG NUMBER: SDL-PA1-40-827-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.9	6.6	4.0	5.3	4.0	4.0	2.6	2.6	4.0	7.9	7.9
115°	7.9	6.6	4.0	4.0	2.6	4.0	2.6	1.3	4.0	9.3	10.6
117.5°	10.6	6.6	2.6	2.6	2.6	2.6	2.6	1.3	4.0	11.9	13.2
120°	13.2	7.9	2.6	2.6	2.6	1.3	2.6	1.3	5.3	11.9	13.2
122.5°	14.6	9.3	2.6	2.6	2.6	1.3	1.3	2.6	5.3	11.9	11.9
125°	14.6	9.3	2.6	2.6	1.3	1.3	1.3	1.3	5.3	11.9	13.2
127.5°	11.9	7.9	2.6	2.6	1.3	1.3	1.3	1.3	5.3	10.6	11.9
130°	10.6	7.9	2.6	2.6	1.3	1.3	1.3	1.3	5.3	9.3	10.6
132.5°	7.9	6.6	2.6	1.3	1.3	1.3	1.3	1.3	5.3	7.9	9.3
135°	6.6	4.0	2.6	1.3	1.3	1.3	1.3	1.3	4.0	7.9	7.9
137.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	4.0	4.0
140°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
142.5°	1.3	2.6	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
145°	1.3	2.6	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
147.5°	1.3	2.6	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
150°	1.3	2.6	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	2.6
152.5°	1.3	2.6	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3
155°	5.3	4.0	2.6	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
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)