

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: P560099

Luminaire Tested: **SDL-PA1-20-827-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-827-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1376.8 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B0 - U2 - G1

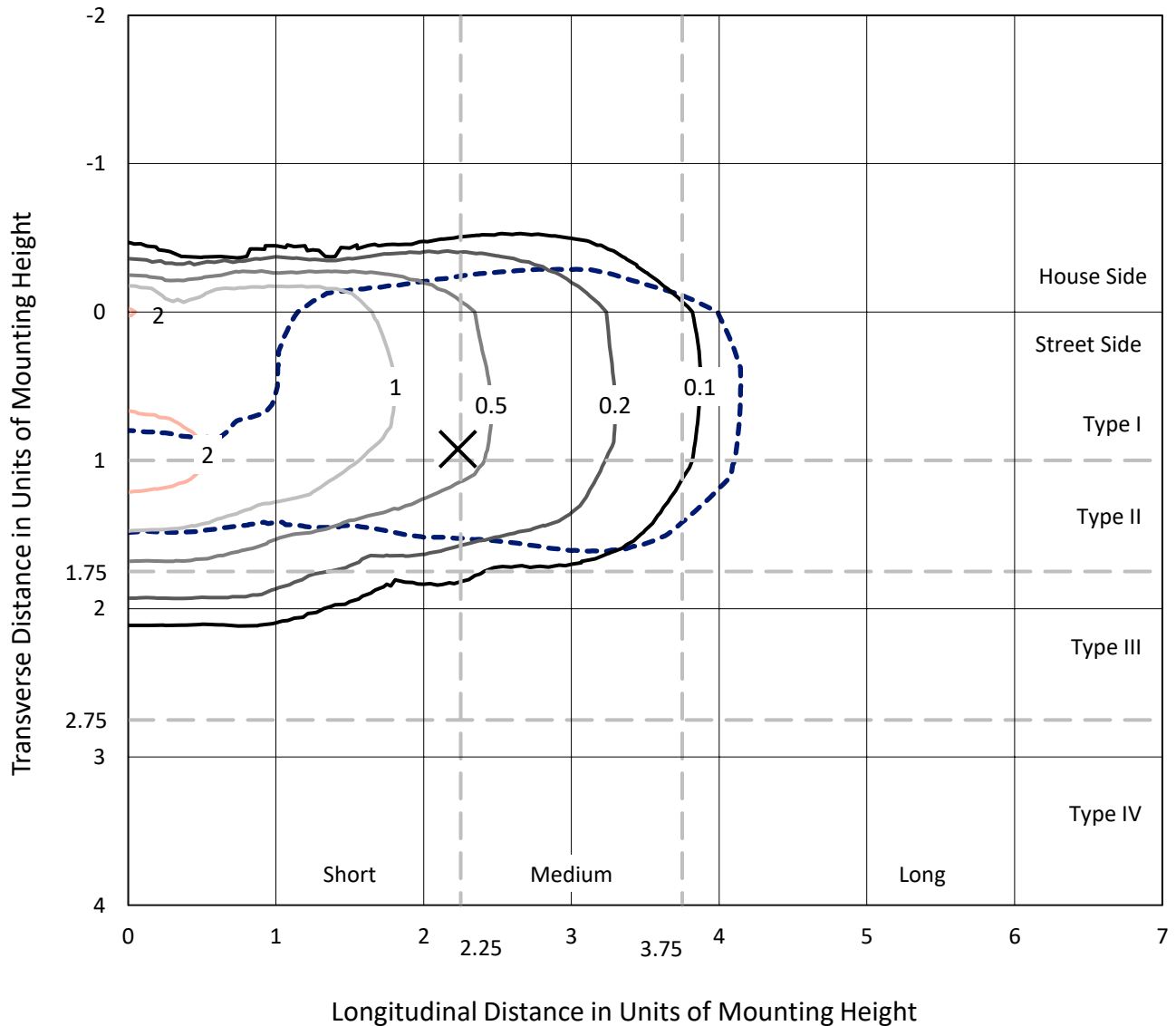
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560099
 CATALOG NUMBER: SDL-PA1-20-827-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

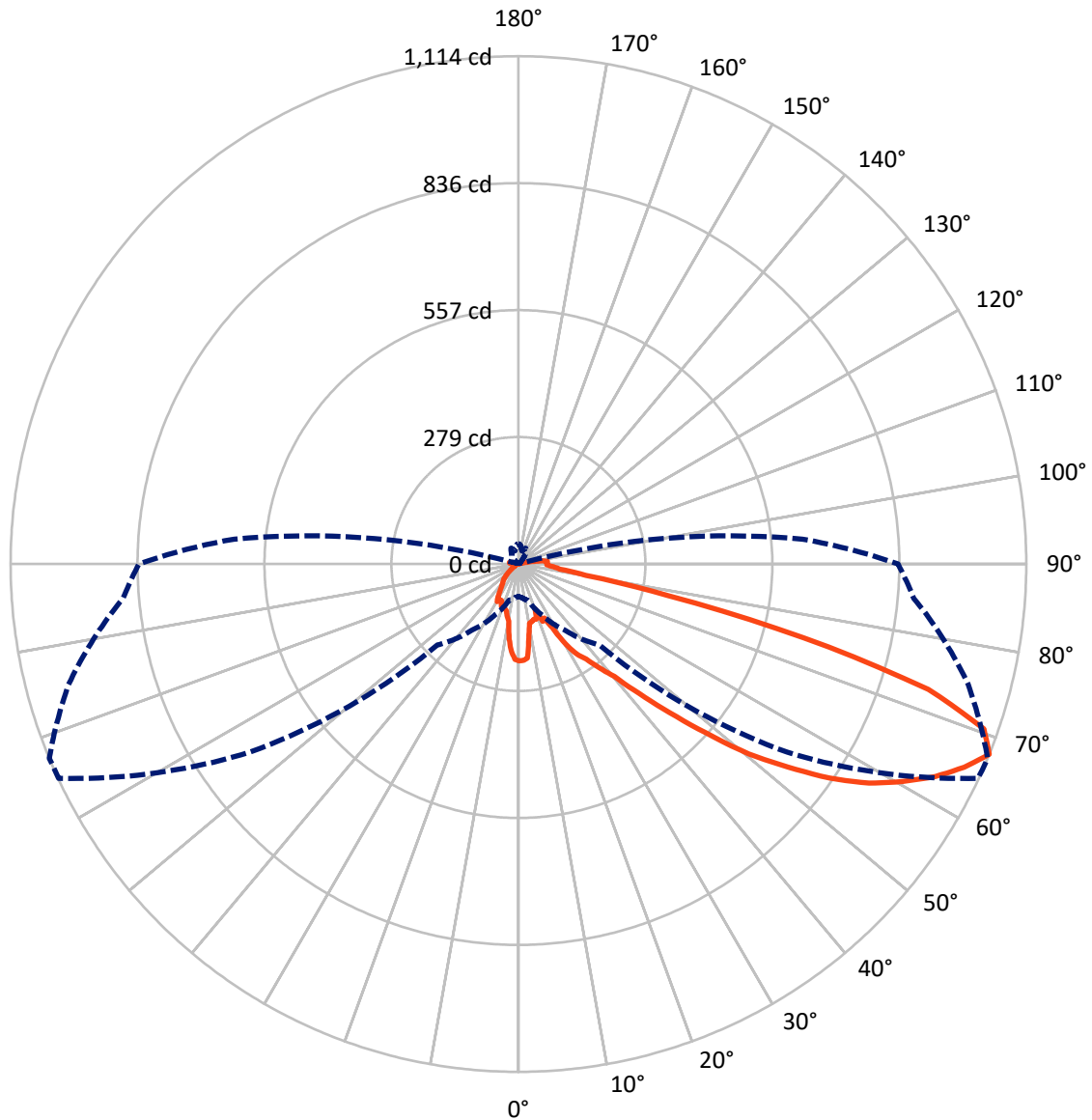
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

REPORT NUMBER: P560099
CATALOG NUMBER: SDL-PA1-20-827-U-T2U-HSS-A

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560099
 CATALOG NUMBER: SDL-PA1-20-827-U-T2U-HSS-A

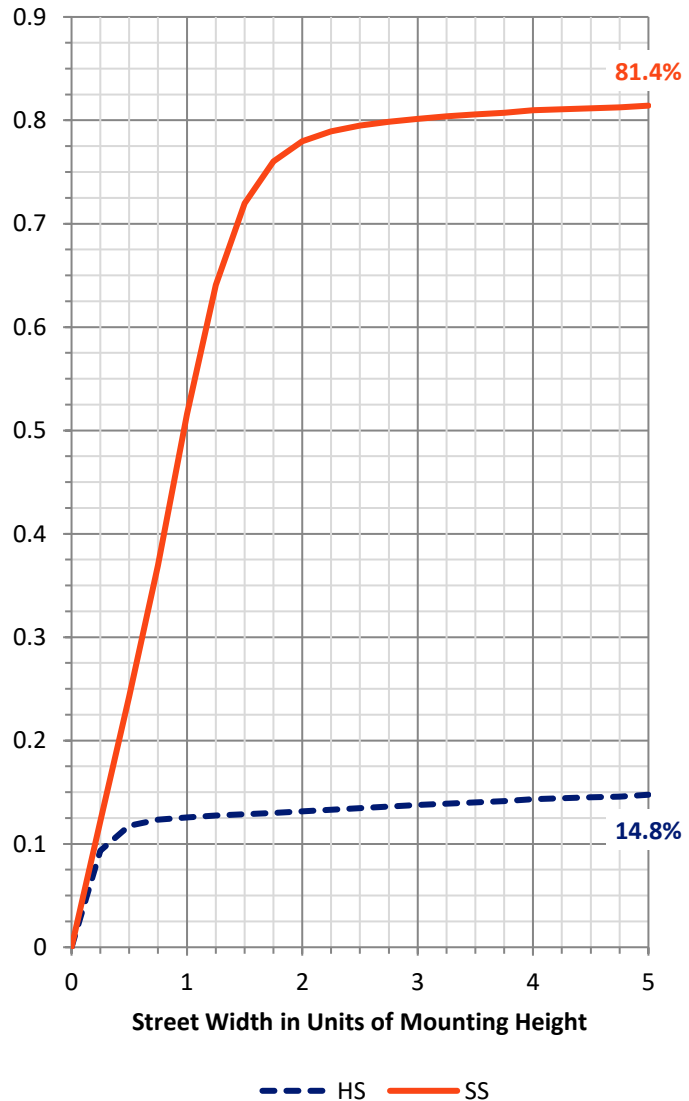
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	215.5	16.0	231.5
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	1128.3	17.0	1145.3
	% Fixture	82.0	1.2	83.2
Total	Lumens	1343.7	33.1	1376.8
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	1.2
10°-20°	31.1	2.3
20°-30°	47.0	3.4
30°-40°	108.1	7.9
40°-50°	241.1	17.5
50°-60°	358.7	26.1
60°-70°	319.9	23.2
70°-80°	179.6	13.0
80°-90°	41.9	3.0
90°-100°	23.0	1.7
100°-110°	5.3	0.4
110°-120°	2.1	0.2
120°-130°	1.4	0.1
130°-140°	0.7	0.1
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1343.7	97.6
0°-180°	1376.8	100.0

Coefficient of Utilization



REPORT NUMBER: P560099

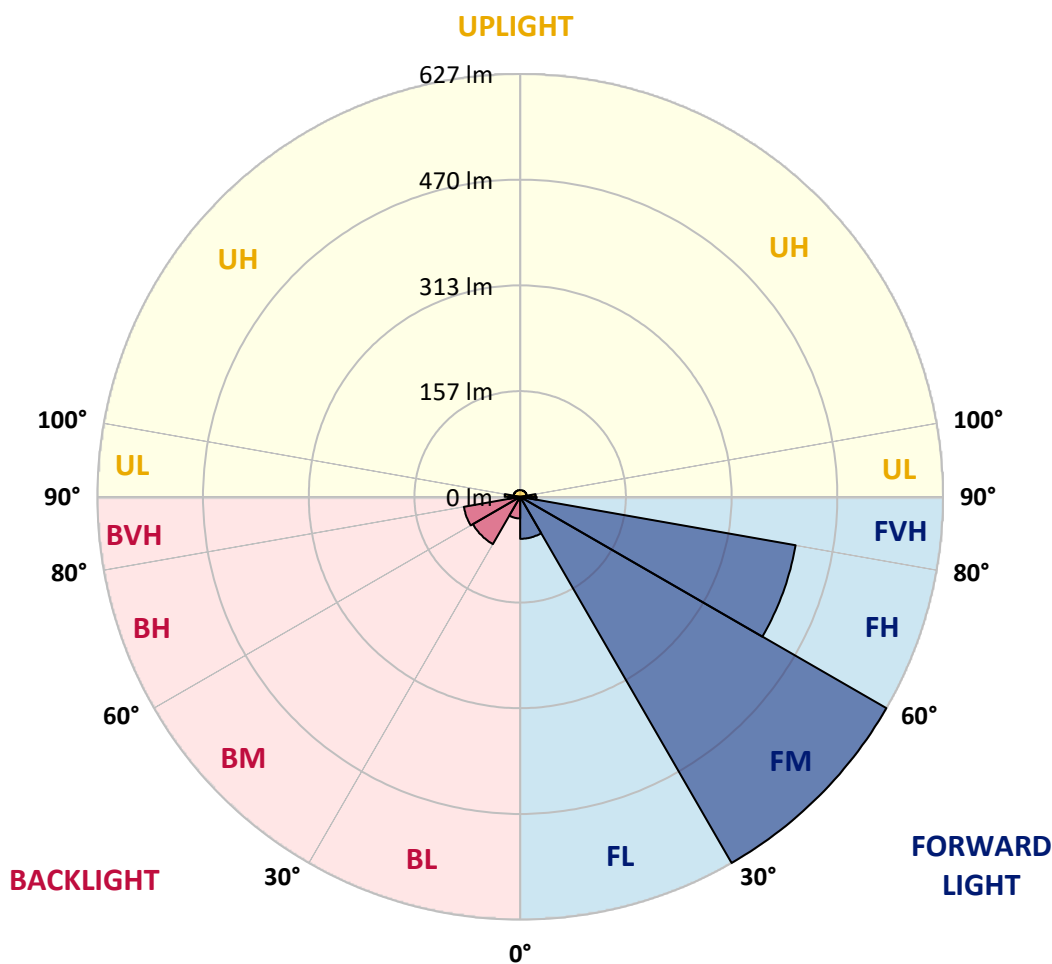
CATALOG NUMBER: SDL-PA1-20-827-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.3	4.5			
FM	(30°-60°)	626.9	45.5			
FH	(60°-80°)	414.7	30.1			G0/660
FVH	(80°-90°)	24.3	1.8			G1/100
BL	(0°-30°)	32.1	2.3	B0/110		
BM	(30°-60°)	81.0	5.9	B0/220		
BH	(60°-80°)	84.8	6.2	B0/110		G0/110
BVH	(80°-90°)	17.6	1.3			G1/100
UL	(90°-100°)	23.0	1.7		U2/50	
UH	(100°-180°)	10.0	0.7		U2/50	

BUG Rating: B0-U2-G1

Type II Short





REPORT NUMBER: P560099

CATALOG NUMBER: SDL-PA1-20-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4
2.5°	180.1	190.3	201.4	208.7	210.2	212.4	212.4	211.7	211.7	210.9	210.9
5°	174.9	174.2	174.9	176.4	175.6	175.6	175.6	205.0	207.3	208.7	208.7
7.5°	150.7	154.3	166.1	170.5	172.0	173.4	173.4	171.2	163.2	180.8	183.0
10°	163.9	163.2	163.2	164.6	153.6	149.2	134.5	132.3	132.3	138.2	157.3
12.5°	137.4	145.5	156.5	161.0	148.5	131.6	127.9	130.8	130.1	113.9	133.0
15°	155.8	155.8	154.3	151.4	116.9	130.8	110.2	110.2	125.7	135.2	152.1
17.5°	126.4	130.1	148.5	146.3	128.6	98.5	128.6	118.3	127.1	119.1	127.9
20°	155.1	154.3	155.1	118.3	130.8	135.2	128.6	115.4	105.1	138.2	152.9
22.5°	127.9	126.4	133.8	146.3	123.5	140.4	117.6	140.4	136.7	122.7	110.2
25°	165.4	164.6	166.1	129.3	144.8	125.7	144.8	125.7	131.6	157.3	161.0
27.5°	149.2	148.5	146.3	158.0	137.4	158.7	136.7	153.6	158.0	170.5	197.7
30°	210.2	207.3	199.9	158.7	161.7	152.9	161.7	188.9	203.6	228.6	236.6
32.5°	306.5	291.0	242.5	210.2	171.2	195.5	183.0	221.9	235.9	248.4	255.0
35°	396.1	389.5	354.2	277.8	208.7	216.1	206.5	248.4	256.5	282.9	281.5
37.5°	518.9	507.8	453.5	358.6	262.4	259.4	235.2	282.9	288.8	327.0	319.7
40°	610.7	601.9	559.3	445.4	333.7	307.9	274.9	330.7	324.1	375.6	365.3
42.5°	698.9	693.8	660.7	544.6	412.3	382.9	316.0	389.5	388.0	432.9	424.1
45°	770.2	764.3	743.0	633.5	502.7	503.4	380.7	454.2	464.5	507.1	484.3
47.5°	812.1	799.6	784.2	704.1	593.8	618.8	476.2	527.7	552.7	589.4	554.9
50°	802.5	790.1	791.5	748.9	677.6	718.0	578.4	605.6	655.6	684.2	615.9
52.5°	726.1	718.8	743.0	740.8	720.2	809.2	697.5	690.1	739.3	758.5	678.3
55°	617.3	607.1	652.6	685.0	720.2	865.8	807.7	784.2	829.0	826.1	721.0
57.5°	468.9	472.6	524.0	574.7	661.4	876.8	889.3	886.3	906.9	881.9	754.8
60°	320.4	322.6	395.4	452.7	542.4	818.7	915.7	970.8	968.6	929.0	793.0
62.5°	201.4	200.6	255.8	346.2	390.2	666.6	905.4	1034.8	1026.7	964.2	822.4
65°	116.1	119.1	138.9	229.3	271.2	454.9	845.9	1097.3	1074.5	995.8	854.0
67.5°	71.3	73.5	83.0	124.2	177.1	251.3	719.5	1112.7	1114.2	1021.6	870.9
70°	60.3	61.0	65.4	76.4	123.5	141.1	484.3	1040.7	1083.3	1027.4	865.8
72.5°	50.7	51.4	58.1	66.9	91.9	100.0	217.5	859.9	940.7	982.6	828.3
75°	37.5	38.2	47.8	61.0	66.9	80.1	119.1	569.6	646.0	776.8	706.3
77.5°	24.3	25.0	33.8	49.2	56.6	63.2	96.3	266.0	336.6	449.0	446.1
80°	16.2	16.2	19.8	34.5	44.8	51.4	83.8	131.6	149.9	185.2	173.4
82.5°	10.3	10.3	12.5	21.3	28.7	51.4	78.6	94.1	91.1	92.6	82.3
85°	4.4	4.4	6.6	11.8	15.4	33.8	70.6	80.8	77.2	77.2	73.5
87.5°	1.5	1.5	2.2	3.7	5.1	10.3	54.4	64.7	62.5	64.7	69.8
90°	1.5	1.5	0.7	1.5	1.5	7.3	44.1	63.9	62.5	65.4	72.0
92.5°	2.2	2.2	0.7	0.7	1.5	5.9	34.5	66.1	63.9	68.3	75.0
95°	3.7	3.7	1.5	0.7	2.2	5.1	21.3	58.8	63.9	67.6	76.4
97.5°	4.4	4.4	1.5	1.5	2.2	4.4	11.0	47.8	49.2	51.4	60.3
100°	5.9	5.9	1.5	1.5	1.5	3.7	5.9	25.0	25.7	18.4	29.4
102.5°	5.9	5.9	1.5	1.5	1.5	2.2	2.9	11.0	10.3	3.7	3.7
105°	6.6	6.6	2.2	1.5	1.5	1.5	1.5	3.7	3.7	2.2	4.4
107.5°	6.6	6.6	2.2	2.2	1.5	1.5	0.7	1.5	2.2	2.2	4.4
110°	5.1	5.1	2.2	2.2	1.5	0.7	0.7	0.7	1.5	2.2	5.1



REPORT NUMBER: P560099
 CATALOG NUMBER: SDL-PA1-20-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	3.7	3.7	1.5	2.2	1.5	0.7	0.7	0.7	1.5	2.9	7.3
115°	1.5	1.5	0.7	1.5	0.7	0.7	0.7	1.5	1.5	2.2	5.9
117.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	0.7	2.2	5.1
120°	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	2.9	5.1
122.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	2.9	5.1
125°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	2.2	4.4
127.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	1.5	4.4
130°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	1.5	2.9
132.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	1.5	2.2
135°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	1.5
137.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7
140°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.7	0.7	1.5	1.5	0.7	0.0	1.5	0.7	0.7	0.7	0.7
152.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.7	1.5	0.7	0.7	0.7
155°	1.5	1.5	0.7	0.7	0.7	0.0	0.7	0.7	0.7	1.5	2.2
157.5°	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.0	0.0	0.7
160°	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	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



REPORT NUMBER: P560099

CATALOG NUMBER: SDL-PA1-20-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4
2.5°	210.2	210.2	209.5	209.5	207.3	206.5	197.0	186.7	178.6	179.3	179.3
5°	208.0	206.5	204.3	189.6	171.2	168.3	168.3	166.8	166.1	166.8	166.8
7.5°	181.5	180.1	171.2	163.9	164.6	163.2	160.2	159.5	147.0	134.5	133.8
10°	156.5	154.3	130.8	125.7	124.9	130.1	142.6	138.2	133.8	128.6	130.8
12.5°	130.8	130.1	108.8	120.5	105.1	108.0	111.0	106.6	91.1	73.5	75.7
15°	151.4	149.2	123.5	100.0	89.7	90.4	59.5	57.3	46.3	41.9	39.7
17.5°	112.4	123.5	108.0	100.0	90.4	47.0	38.2	29.4	26.5	21.3	22.0
20°	150.7	147.7	123.5	93.3	69.8	39.7	21.3	16.9	20.6	21.3	21.3
22.5°	106.6	103.6	104.4	99.2	49.2	22.8	16.2	16.9	15.4	14.7	14.7
25°	156.5	151.4	126.4	75.7	36.7	14.7	15.4	11.8	14.0	14.0	14.0
27.5°	190.3	172.7	133.0	73.5	20.6	14.7	11.0	11.8	9.6	9.6	9.6
30°	227.8	217.5	174.2	68.3	16.2	11.8	10.3	8.1	8.8	8.8	8.8
32.5°	244.7	230.8	174.2	54.4	14.0	11.0	8.1	7.3	7.3	8.1	8.1
35°	269.0	254.3	173.4	36.0	11.8	8.8	6.6	6.6	6.6	6.6	6.6
37.5°	305.7	284.4	176.4	22.8	9.6	7.3	5.1	5.9	5.9	12.5	12.5
40°	346.9	322.6	168.3	16.2	8.1	5.9	4.4	7.3	10.3	11.0	11.0
42.5°	399.1	372.6	156.5	14.0	7.3	4.4	3.7	5.9	8.8	14.0	14.0
45°	461.5	421.9	140.4	12.5	5.9	3.7	3.7	7.3	11.0	13.2	13.2
47.5°	517.4	469.6	112.4	11.8	5.1	2.9	5.1	8.1	9.6	15.4	15.4
50°	582.8	519.6	86.0	10.3	4.4	2.9	8.1	8.8	11.0	14.0	14.0
52.5°	631.3	561.5	65.4	9.6	4.4	2.2	8.1	8.1	12.5	16.2	16.2
55°	670.3	584.3	47.0	8.1	3.7	2.2	9.6	10.3	11.0	12.5	12.5
57.5°	700.4	600.4	36.7	7.3	3.7	5.1	11.8	13.2	11.8	12.5	12.5
60°	734.9	608.5	27.2	6.6	2.9	5.1	14.0	17.6	13.2	19.1	18.4
62.5°	766.5	614.4	22.0	6.6	2.9	5.9	15.4	22.0	17.6	25.7	26.5
65°	806.2	621.8	18.4	5.1	2.9	8.1	18.4	29.4	23.5	33.8	35.3
67.5°	832.7	626.2	15.4	5.1	2.9	9.6	25.7	38.2	29.4	42.6	44.1
70°	835.6	610.0	12.5	5.1	2.9	14.7	35.3	46.3	36.7	54.4	55.1
72.5°	797.4	563.7	10.3	5.9	2.9	16.2	41.2	53.7	43.4	72.0	72.8
75°	644.5	395.4	9.6	5.9	2.9	20.6	44.8	58.8	48.5	75.0	76.4
77.5°	396.1	183.0	8.8	6.6	4.4	22.8	45.6	62.5	50.7	75.0	77.2
80°	153.6	90.4	8.1	7.3	10.3	25.7	49.2	63.2	50.7	69.8	72.8
82.5°	71.3	52.9	8.1	8.1	13.2	26.5	48.5	58.8	47.0	62.5	61.7
85°	63.9	52.2	8.8	8.8	14.0	22.8	38.2	50.0	40.4	49.2	49.2
87.5°	62.5	51.4	9.6	11.0	14.0	13.2	29.4	42.6	34.5	36.7	36.7
90°	63.9	53.7	10.3	12.5	11.8	7.3	23.5	35.3	26.5	23.5	22.8
92.5°	68.3	54.4	12.5	14.7	11.0	5.9	19.8	28.7	19.1	15.4	14.7
95°	72.0	55.9	15.4	17.6	11.8	5.1	17.6	22.8	14.0	9.6	8.8
97.5°	60.3	43.4	17.6	19.1	11.8	5.1	15.4	18.4	11.0	5.1	5.1
100°	25.7	19.1	18.4	20.6	11.0	4.4	13.2	14.7	7.3	2.2	2.9
102.5°	5.1	5.9	16.2	19.1	8.8	2.9	8.8	8.8	5.1	0.7	1.5
105°	5.1	4.4	10.3	16.2	5.1	1.5	3.7	5.1	2.2	0.7	0.7
107.5°	5.1	5.1	3.7	8.1	2.2	1.5	1.5	2.2	1.5	0.7	0.7
110°	5.9	5.1	1.5	2.2	1.5	1.5	1.5	1.5	0.7	3.7	4.4



REPORT NUMBER: P560099

CATALOG NUMBER: SDL-PA1-20-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.3	6.6	1.5	2.2	2.2	1.5	0.7	0.7	1.5	5.1	5.9
115°	6.6	5.9	2.2	2.2	1.5	1.5	0.7	0.7	1.5	5.9	6.6
117.5°	5.1	5.1	2.2	1.5	1.5	1.5	0.7	0.7	1.5	5.9	5.9
120°	5.9	5.1	2.2	1.5	0.7	0.7	0.7	0.7	1.5	4.4	4.4
122.5°	5.9	5.1	2.2	1.5	0.7	0.7	0.7	0.7	1.5	4.4	5.1
125°	5.1	4.4	2.2	1.5	0.7	0.7	0.7	0.7	2.2	4.4	4.4
127.5°	4.4	3.7	1.5	0.7	0.7	0.7	0.7	0.7	2.2	3.7	3.7
130°	2.9	2.9	1.5	0.7	0.7	0.7	0.7	0.7	2.2	2.9	2.9
132.5°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.9	2.9
135°	2.2	1.5	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.2
137.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
140°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7
145°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7
150°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7
152.5°	0.7	0.7	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7
155°	2.2	2.2	2.2	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.7	0.7	0.7	0.7	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)