

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: P559989

Luminaire Tested: **SDL-PA1-20-727-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559989
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-PA1-20-727-U-T2U-HSS-A
Description: Springdale
(1) 70 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: 1566.4 lumens
Efficiency: N/A
Efficacy: 74.6 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

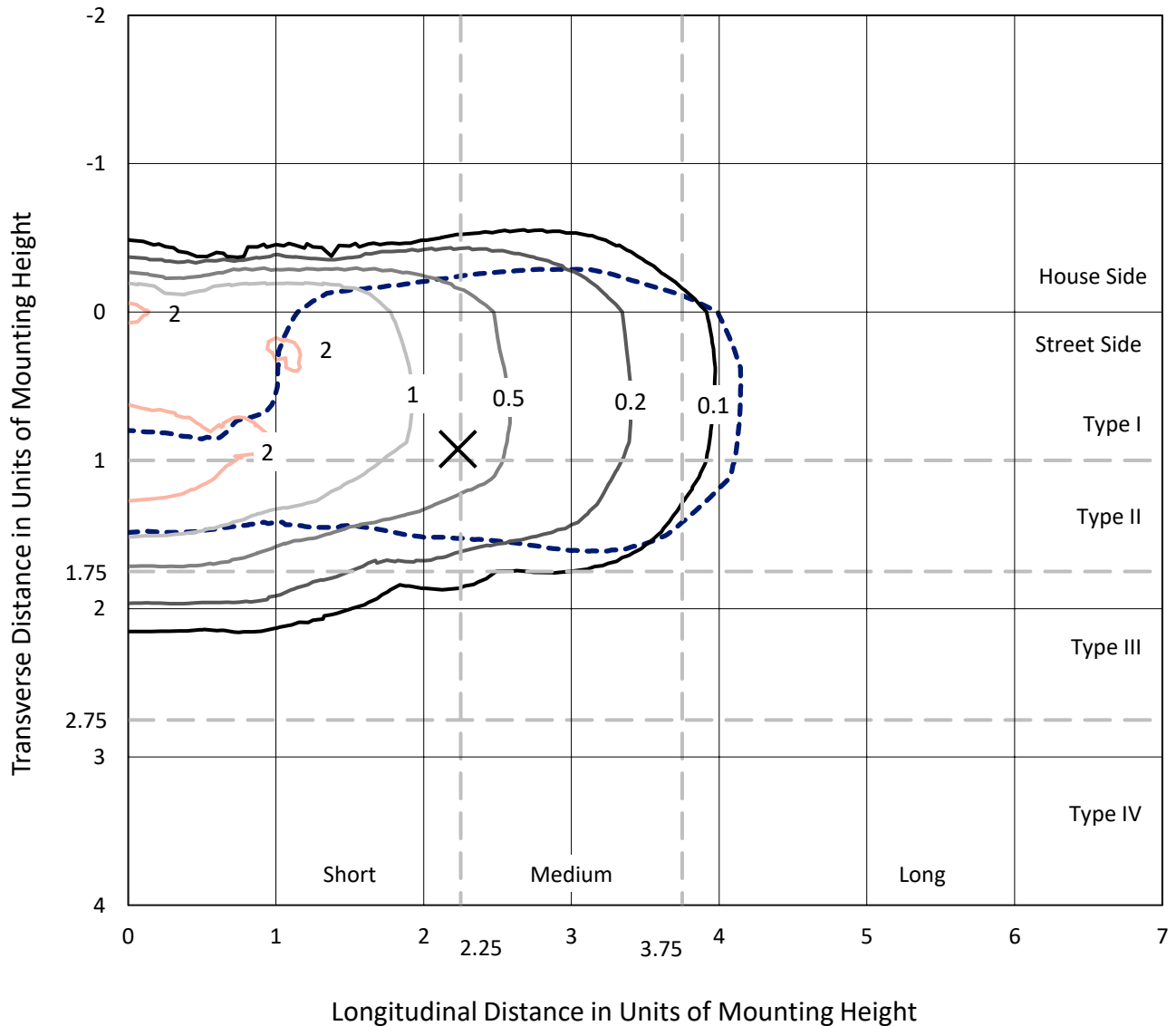
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P559989
 CATALOG NUMBER: SDL-PA1-20-727-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

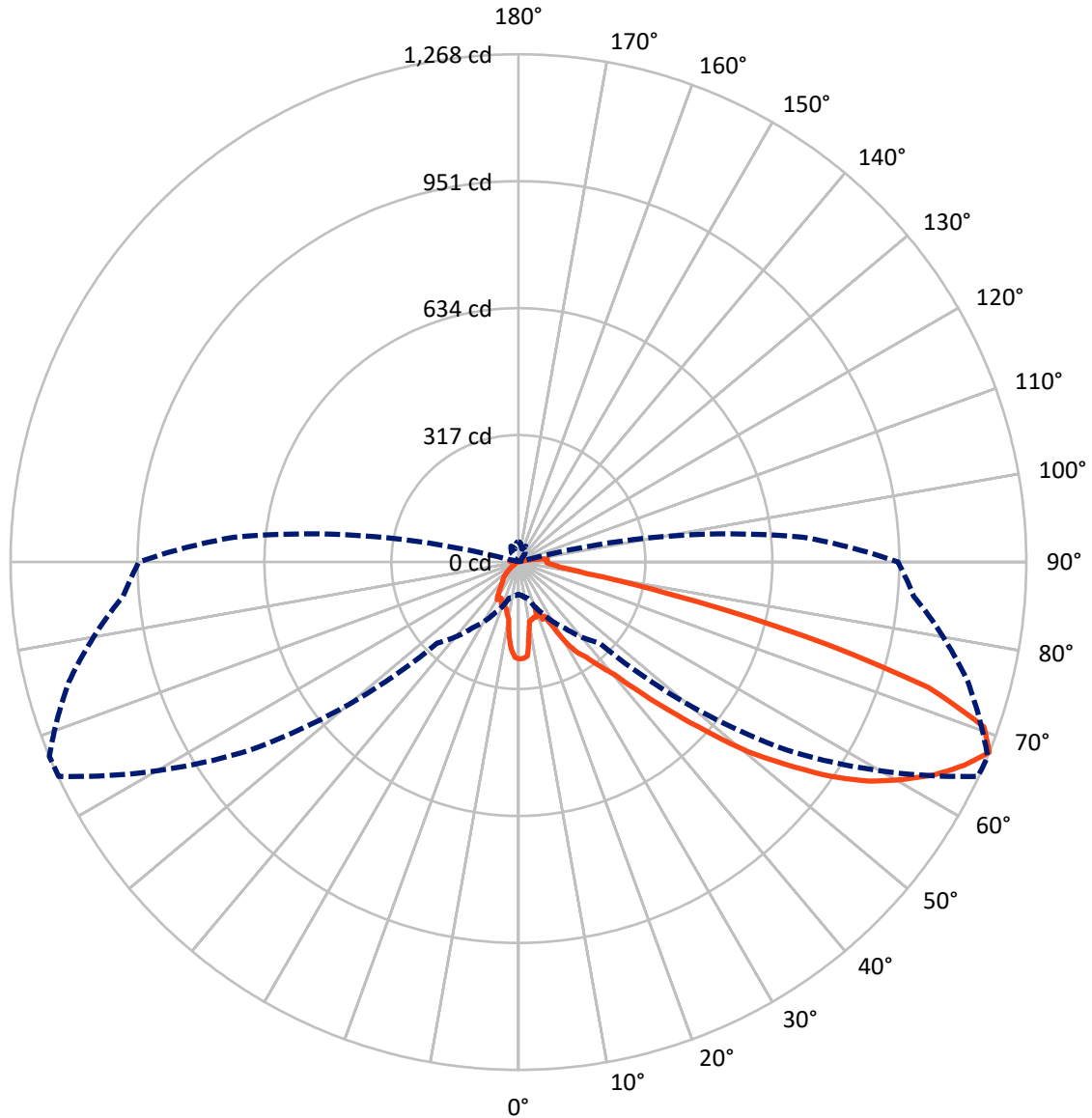
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

REPORT NUMBER: P559989
CATALOG NUMBER: SDL-PA1-20-727-U-T2U-HSS-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P559989

CATALOG NUMBER: SDL-PA1-20-727-U-T2U-HSS-A

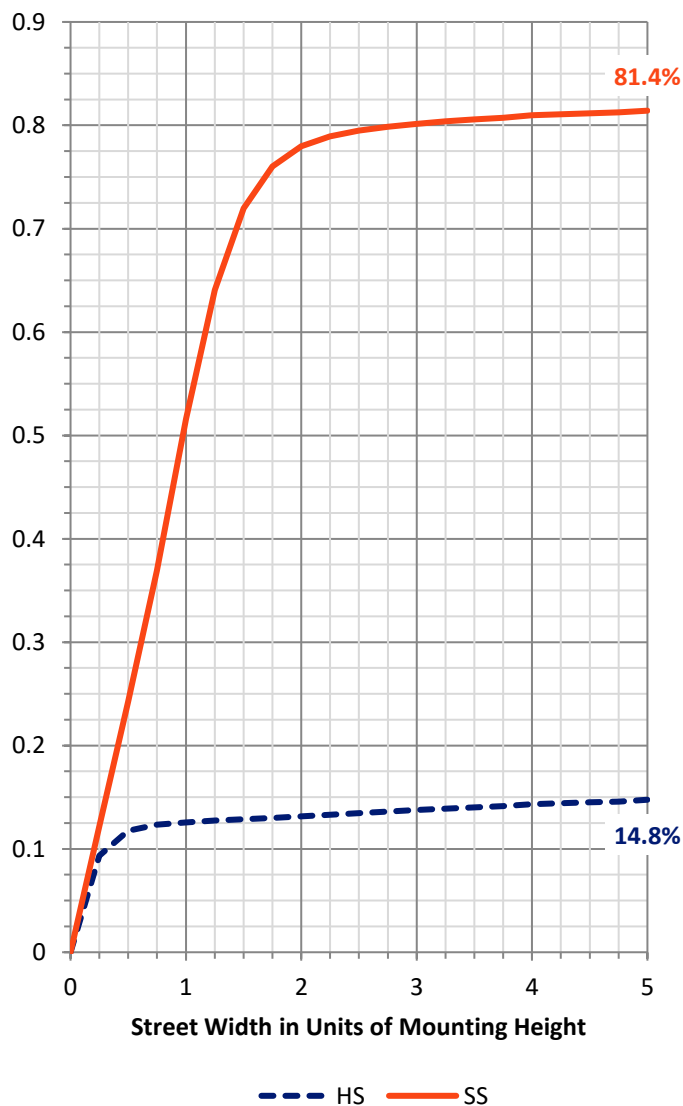
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	245.1	18.2	263.4
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	1283.6	19.4	1303.0
	% Fixture	81.9	1.2	83.2
Total	Lumens	1528.7	37.6	1566.4
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	1.2
10°-20°	35.4	2.3
20°-30°	53.4	3.4
30°-40°	123.0	7.9
40°-50°	274.3	17.5
50°-60°	408.1	26.1
60°-70°	364.0	23.2
70°-80°	204.3	13.0
80°-90°	47.7	3.0
90°-100°	26.2	1.7
100°-110°	6.0	0.4
110°-120°	2.4	0.2
120°-130°	1.6	0.1
130°-140°	0.8	0.1
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1528.7	97.6
0°-180°	1566.4	100.0

Coefficient of Utilization



REPORT NUMBER: P559989

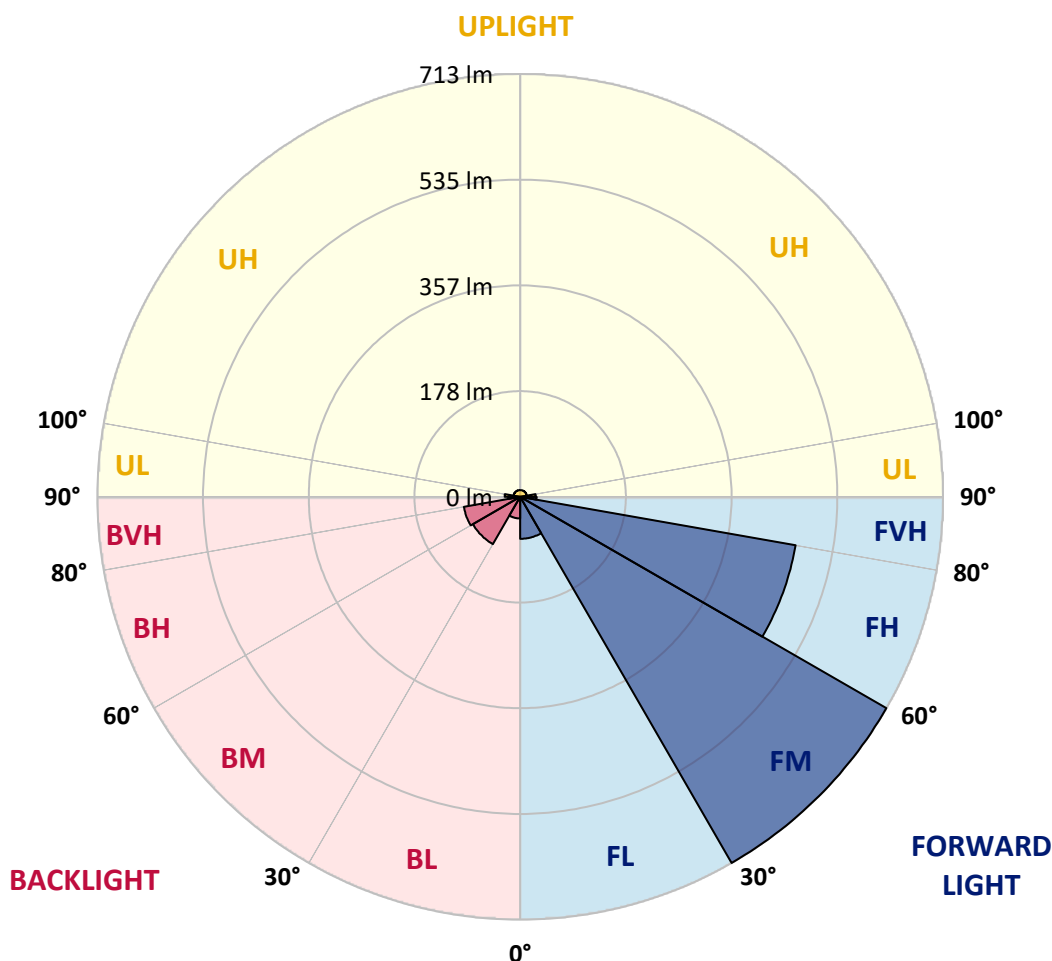
CATALOG NUMBER: SDL-PA1-20-727-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	70.9	4.5			
FM (30°-60°)	713.2	45.5			
FH (60°-80°)	471.8	30.1			G0/660
FVH (80°-90°)	27.7	1.8			G1/100
BL (0°-30°)	36.5	2.3	B0/110		
BM (30°-60°)	92.1	5.9	B0/220		
BH (60°-80°)	96.4	6.2	B0/110		G0/110
BVH (80°-90°)	20.0	1.3			G1/100
UL (90°-100°)	26.2	1.7		U2/50	
UH (100°-180°)	11.4	0.7		U2/50	

BUG Rating: B0-U2-G1

Type II Short





REPORT NUMBER: P559989

CATALOG NUMBER: SDL-PA1-20-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2.5°	204.8	216.5	229.1	237.5	239.1	241.6	241.6	240.8	240.8	240.0	240.0
5°	199.0	198.2	199.0	200.7	199.8	199.8	199.8	233.3	235.8	237.5	237.5
7.5°	171.4	175.6	189.0	194.0	195.6	197.3	197.3	194.8	185.6	205.7	208.2
10°	186.4	185.6	185.6	187.3	174.7	169.7	153.0	150.5	150.5	157.2	178.9
12.5°	156.4	165.5	178.1	183.1	168.9	149.7	145.5	148.8	148.0	129.6	151.3
15°	177.3	177.3	175.6	172.2	132.9	148.8	125.4	125.4	143.0	153.8	173.1
17.5°	143.8	148.0	168.9	166.4	146.3	112.0	146.3	134.6	144.6	135.4	145.5
20°	176.4	175.6	176.4	134.6	148.8	153.8	146.3	131.3	119.6	157.2	173.9
22.5°	145.5	143.8	152.2	166.4	140.5	159.7	133.8	159.7	155.5	139.6	125.4
25°	188.1	187.3	189.0	147.2	164.7	143.0	164.7	143.0	149.7	178.9	183.1
27.5°	169.7	168.9	166.4	179.8	156.4	180.6	155.5	174.7	179.8	194.0	224.9
30°	239.1	235.8	227.4	180.6	183.9	173.9	183.9	214.9	231.6	260.0	269.2
32.5°	348.7	331.1	275.9	239.1	194.8	222.4	208.2	252.5	268.4	282.6	290.1
35°	450.7	443.1	403.0	316.0	237.5	245.8	234.9	282.6	291.8	321.9	320.2
37.5°	590.3	577.7	515.9	408.0	298.5	295.1	267.6	321.9	328.6	372.1	363.7
40°	694.8	684.8	636.3	506.7	379.6	350.3	312.7	376.2	368.7	427.2	415.5
42.5°	795.1	789.3	751.7	619.5	469.1	435.6	359.5	443.1	441.5	492.5	482.4
45°	876.2	869.5	845.3	720.7	571.9	572.7	433.1	516.7	528.4	576.9	551.0
47.5°	923.9	909.7	892.1	801.0	675.6	704.0	541.8	600.3	628.7	670.6	631.3
50°	913.0	898.8	900.5	852.0	770.9	816.9	658.0	688.9	745.8	778.4	700.6
52.5°	826.1	817.7	845.3	842.8	819.4	920.5	793.5	785.1	841.1	862.9	771.7
55°	702.3	690.6	742.5	779.2	819.4	984.9	918.9	892.1	943.1	939.8	820.2
57.5°	533.4	537.6	596.1	653.8	752.5	997.5	1011.7	1008.3	1031.7	1003.3	858.7
60°	364.5	367.0	449.8	515.0	617.0	931.4	1041.8	1104.5	1102.0	1056.8	902.1
62.5°	229.1	228.3	291.0	393.8	444.0	758.3	1030.1	1177.2	1168.0	1097.0	935.6
65°	132.1	135.4	158.0	260.9	308.5	517.5	962.3	1248.3	1222.4	1132.9	971.5
67.5°	81.1	83.6	94.5	141.3	201.5	285.9	818.5	1265.9	1267.5	1162.2	990.8
70°	68.6	69.4	74.4	87.0	140.5	160.5	551.0	1183.9	1232.4	1168.9	984.9
72.5°	57.7	58.5	66.1	76.1	104.5	113.7	247.5	978.2	1070.2	1117.9	942.3
75°	42.6	43.5	54.3	69.4	76.1	91.1	135.4	648.0	734.9	883.8	803.5
77.5°	27.6	28.4	38.5	56.0	64.4	71.9	109.5	302.7	382.9	510.9	507.5
80°	18.4	18.4	22.6	39.3	51.0	58.5	95.3	149.7	170.6	210.7	197.3
82.5°	11.7	11.7	14.2	24.2	32.6	58.5	89.5	107.0	103.7	105.3	93.6
85°	5.0	5.0	7.5	13.4	17.6	38.5	80.3	92.0	87.8	87.8	83.6
87.5°	1.7	1.7	2.5	4.2	5.9	11.7	61.9	73.6	71.1	73.6	79.4
90°	1.7	1.7	0.8	1.7	1.7	8.4	50.2	72.7	71.1	74.4	81.9
92.5°	2.5	2.5	0.8	0.8	1.7	6.7	39.3	75.2	72.7	77.8	85.3
95°	4.2	4.2	1.7	0.8	2.5	5.9	24.2	66.9	72.7	76.9	87.0
97.5°	5.0	5.0	1.7	1.7	2.5	5.0	12.5	54.3	56.0	58.5	68.6
100°	6.7	6.7	1.7	1.7	1.7	4.2	6.7	28.4	29.3	20.9	33.4
102.5°	6.7	6.7	1.7	1.7	1.7	2.5	3.3	12.5	11.7	4.2	4.2
105°	7.5	7.5	2.5	1.7	1.7	1.7	1.7	4.2	4.2	2.5	5.0
107.5°	7.5	7.5	2.5	2.5	1.7	1.7	0.8	1.7	2.5	2.5	5.0
110°	5.9	5.9	2.5	2.5	1.7	0.8	0.8	0.8	1.7	2.5	5.9



REPORT NUMBER: P559989
 CATALOG NUMBER: SDL-PA1-20-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	4.2	4.2	1.7	2.5	1.7	0.8	0.8	0.8	1.7	3.3	8.4
115°	1.7	1.7	0.8	1.7	0.8	0.8	0.8	1.7	1.7	2.5	6.7
117.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	0.8	2.5	5.9
120°	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	3.3	5.9
122.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	3.3	5.9
125°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	2.5	5.0
127.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.7	5.0
130°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.7	3.3
132.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.7	2.5
135°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	1.7
137.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8
140°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	1.7	1.7	0.8	0.0	1.7	0.8	0.8	0.8	0.8
152.5°	1.7	1.7	1.7	1.7	0.8	0.0	0.8	1.7	0.8	0.8	0.8
155°	1.7	1.7	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.7	2.5
157.5°	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.8	0.0	0.0	0.8
160°	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.8	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: P559989

CATALOG NUMBER: SDL-PA1-20-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2.5°	239.1	239.1	238.3	238.3	235.8	234.9	224.1	212.4	203.2	204.0	204.0
5°	236.6	234.9	232.4	215.7	194.8	191.5	191.5	189.8	189.0	189.8	189.8
7.5°	206.5	204.8	194.8	186.4	187.3	185.6	182.3	181.4	167.2	153.0	152.2
10°	178.1	175.6	148.8	143.0	142.1	148.0	162.2	157.2	152.2	146.3	148.8
12.5°	148.8	148.0	123.7	137.1	119.6	122.9	126.3	121.2	103.7	83.6	86.1
15°	172.2	169.7	140.5	113.7	102.0	102.8	67.7	65.2	52.7	47.7	45.1
17.5°	127.9	140.5	122.9	113.7	102.8	53.5	43.5	33.4	30.1	24.2	25.1
20°	171.4	168.1	140.5	106.2	79.4	45.1	24.2	19.2	23.4	24.2	24.2
22.5°	121.2	117.9	118.7	112.9	56.0	25.9	18.4	19.2	17.6	16.7	16.7
25°	178.1	172.2	143.8	86.1	41.8	16.7	17.6	13.4	15.9	15.9	15.9
27.5°	216.5	196.5	151.3	83.6	23.4	16.7	12.5	13.4	10.9	10.9	10.9
30°	259.2	247.5	198.2	77.8	18.4	13.4	11.7	9.2	10.0	10.0	10.0
32.5°	278.4	262.5	198.2	61.9	15.9	12.5	9.2	8.4	8.4	9.2	9.2
35°	306.0	289.3	197.3	41.0	13.4	10.0	7.5	7.5	7.5	7.5	7.5
37.5°	347.8	323.6	200.7	25.9	10.9	8.4	5.9	6.7	6.7	14.2	14.2
40°	394.6	367.0	191.5	18.4	9.2	6.7	5.0	8.4	11.7	12.5	12.5
42.5°	454.0	423.9	178.1	15.9	8.4	5.0	4.2	6.7	10.0	15.9	15.9
45°	525.1	479.9	159.7	14.2	6.7	4.2	4.2	8.4	12.5	15.0	15.0
47.5°	588.6	534.3	127.9	13.4	5.9	3.3	5.9	9.2	10.9	17.6	17.6
50°	663.0	591.1	97.8	11.7	5.0	3.3	9.2	10.0	12.5	15.9	15.9
52.5°	718.2	638.8	74.4	10.9	5.0	2.5	9.2	9.2	14.2	18.4	18.4
55°	762.5	664.7	53.5	9.2	4.2	2.5	10.9	11.7	12.5	14.2	14.2
57.5°	796.8	683.1	41.8	8.4	4.2	5.9	13.4	15.0	13.4	14.2	14.2
60°	836.1	692.3	30.9	7.5	3.3	5.9	15.9	20.1	15.0	21.7	20.9
62.5°	872.0	699.0	25.1	7.5	3.3	6.7	17.6	25.1	20.1	29.3	30.1
65°	917.2	707.3	20.9	5.9	3.3	9.2	20.9	33.4	26.8	38.5	40.1
67.5°	947.3	712.4	17.6	5.9	3.3	10.9	29.3	43.5	33.4	48.5	50.2
70°	950.6	694.0	14.2	5.9	3.3	16.7	40.1	52.7	41.8	61.9	62.7
72.5°	907.2	641.3	11.7	6.7	3.3	18.4	46.8	61.0	49.3	81.9	82.8
75°	733.3	449.8	10.9	6.7	3.3	23.4	51.0	66.9	55.2	85.3	87.0
77.5°	450.7	208.2	10.0	7.5	5.0	25.9	51.8	71.1	57.7	85.3	87.8
80°	174.7	102.8	9.2	8.4	11.7	29.3	56.0	71.9	57.7	79.4	82.8
82.5°	81.1	60.2	9.2	9.2	15.0	30.1	55.2	66.9	53.5	71.1	70.2
85°	72.7	59.4	10.0	10.0	15.9	25.9	43.5	56.9	46.0	56.0	56.0
87.5°	71.1	58.5	10.9	12.5	15.9	15.0	33.4	48.5	39.3	41.8	41.8
90°	72.7	61.0	11.7	14.2	13.4	8.4	26.8	40.1	30.1	26.8	25.9
92.5°	77.8	61.9	14.2	16.7	12.5	6.7	22.6	32.6	21.7	17.6	16.7
95°	81.9	63.5	17.6	20.1	13.4	5.9	20.1	25.9	15.9	10.9	10.0
97.5°	68.6	49.3	20.1	21.7	13.4	5.9	17.6	20.9	12.5	5.9	5.9
100°	29.3	21.7	20.9	23.4	12.5	5.0	15.0	16.7	8.4	2.5	3.3
102.5°	5.9	6.7	18.4	21.7	10.0	3.3	10.0	10.0	5.9	0.8	1.7
105°	5.9	5.0	11.7	18.4	5.9	1.7	4.2	5.9	2.5	0.8	0.8
107.5°	5.9	5.9	4.2	9.2	2.5	1.7	1.7	2.5	1.7	0.8	0.8
110°	6.7	5.9	1.7	2.5	1.7	1.7	1.7	1.7	0.8	4.2	5.0



REPORT NUMBER: P559989

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.4	7.5	1.7	2.5	2.5	1.7	0.8	0.8	1.7	5.9	6.7
115°	7.5	6.7	2.5	2.5	1.7	1.7	0.8	0.8	1.7	6.7	7.5
117.5°	5.9	5.9	2.5	1.7	1.7	1.7	0.8	0.8	1.7	6.7	6.7
120°	6.7	5.9	2.5	1.7	0.8	0.8	0.8	0.8	1.7	5.0	5.0
122.5°	6.7	5.9	2.5	1.7	0.8	0.8	0.8	0.8	1.7	5.0	5.9
125°	5.9	5.0	2.5	1.7	0.8	0.8	0.8	0.8	2.5	5.0	5.0
127.5°	5.0	4.2	1.7	0.8	0.8	0.8	0.8	0.8	2.5	4.2	4.2
130°	3.3	3.3	1.7	0.8	0.8	0.8	0.8	0.8	2.5	3.3	3.3
132.5°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	1.7	3.3	3.3
135°	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	2.5	2.5
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
152.5°	0.8	0.8	1.7	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
155°	2.5	2.5	2.5	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.8	0.8	0.8	0.8	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)