

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: P559923

Luminaire Tested: **SDL-PA1-100-827-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559923
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-PA1-100-827-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1200mA 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: 5156 lumens
Efficiency: N/A
Efficacy: 55.0 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: B1 - U3 - G1

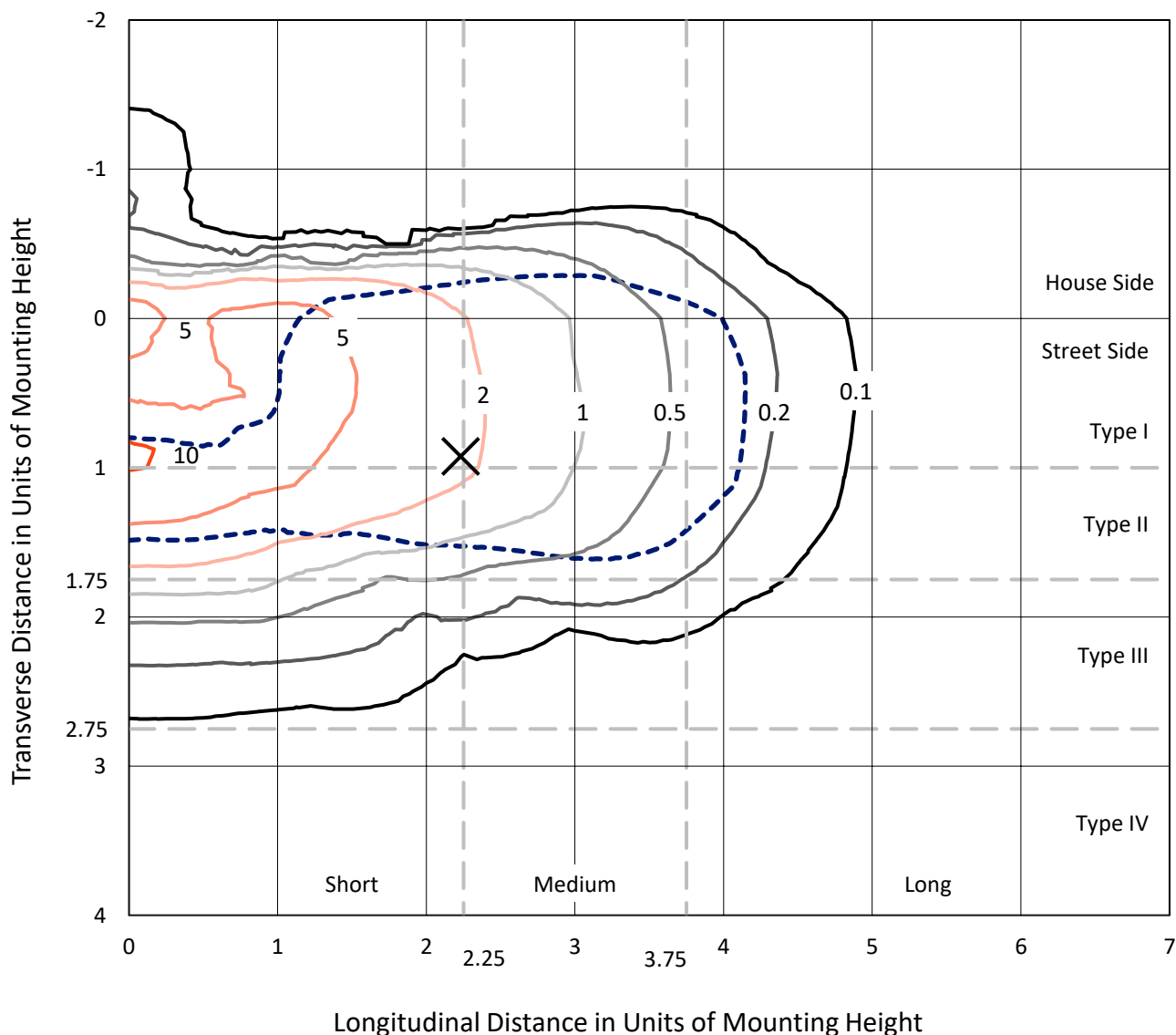
Input Watts (W): 93.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

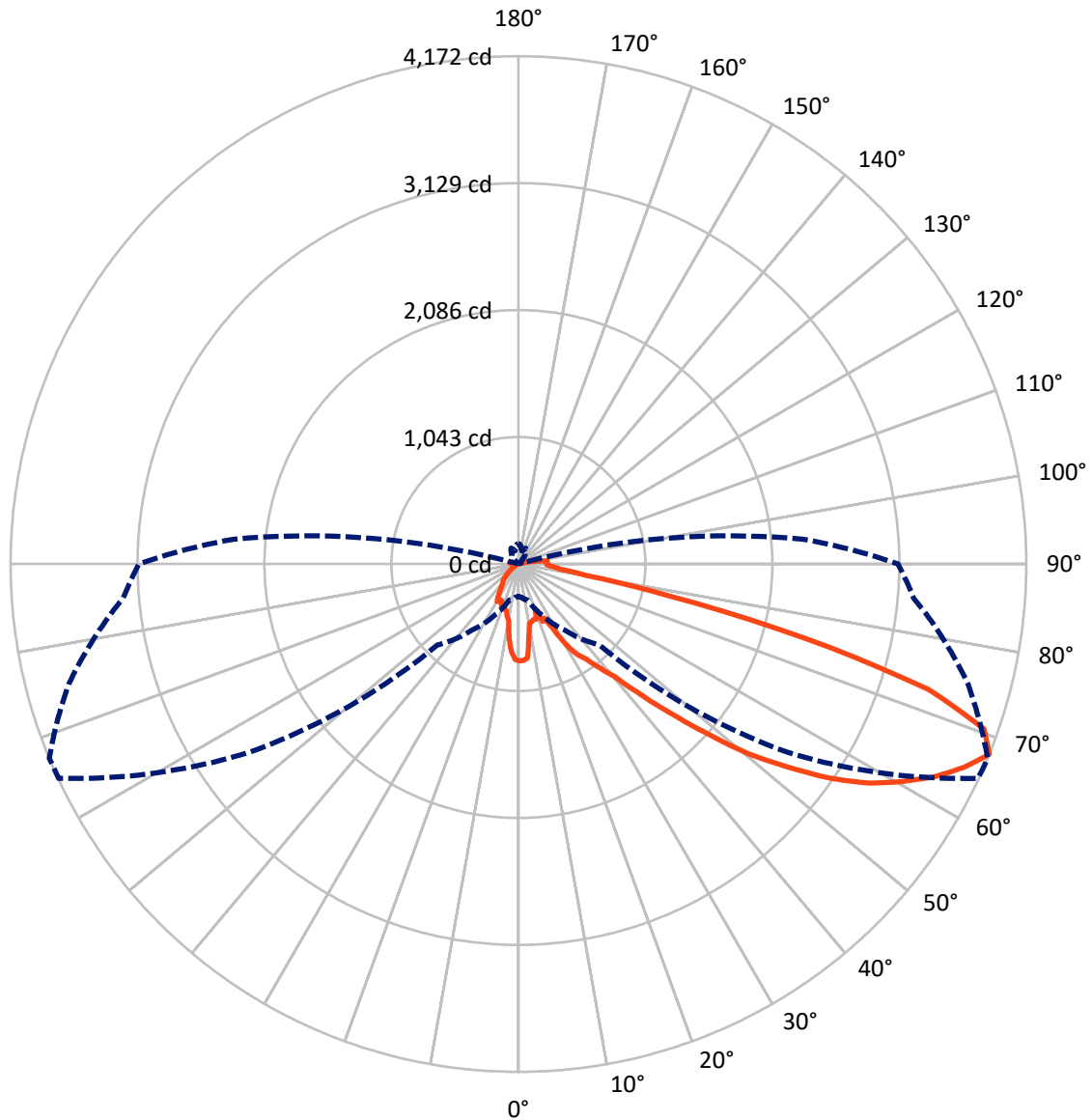
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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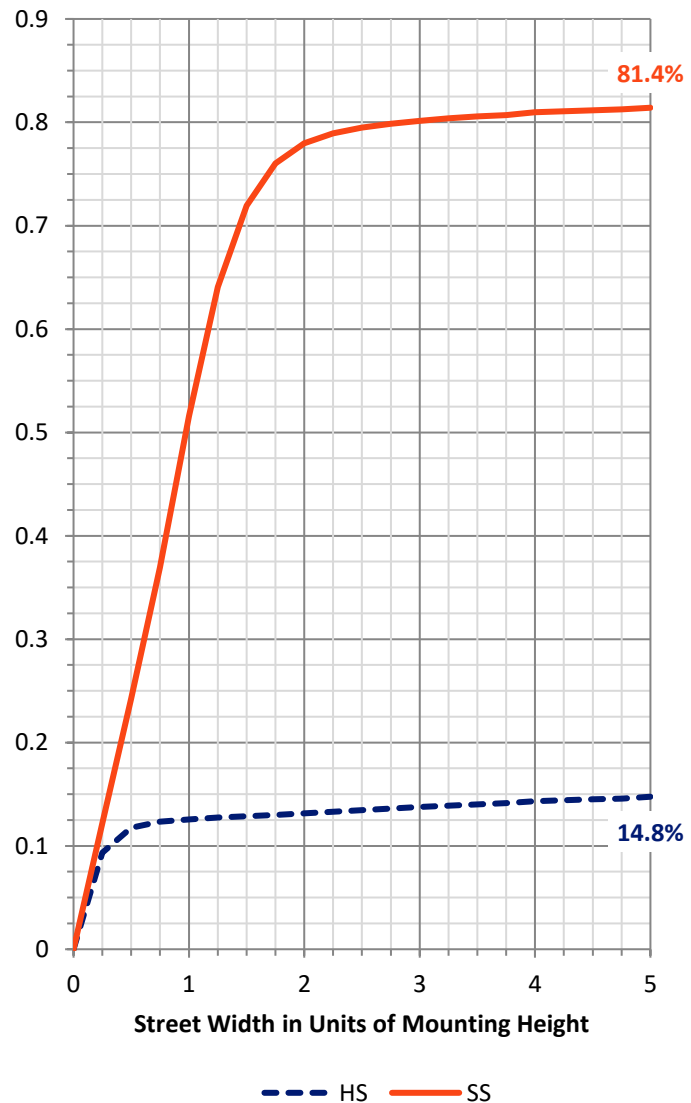
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	806.8	60.2	867.0
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4225.0	64.0	4289.0
	% Fixture	81.9	1.2	83.2
Total	Lumens	5031.8	124.2	5156.0
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	1.2
10°-20°	116.5	2.3
20°-30°	175.8	3.4
30°-40°	405.0	7.9
40°-50°	902.7	17.5
50°-60°	1343.2	26.1
60°-70°	1198.0	23.2
70°-80°	672.4	13.0
80°-90°	157.0	3.0
90°-100°	86.2	1.7
100°-110°	19.9	0.4
110°-120°	7.8	0.2
120°-130°	5.2	0.1
130°-140°	2.7	0.1
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5031.8	97.6
0°-180°	5156.0	100.0



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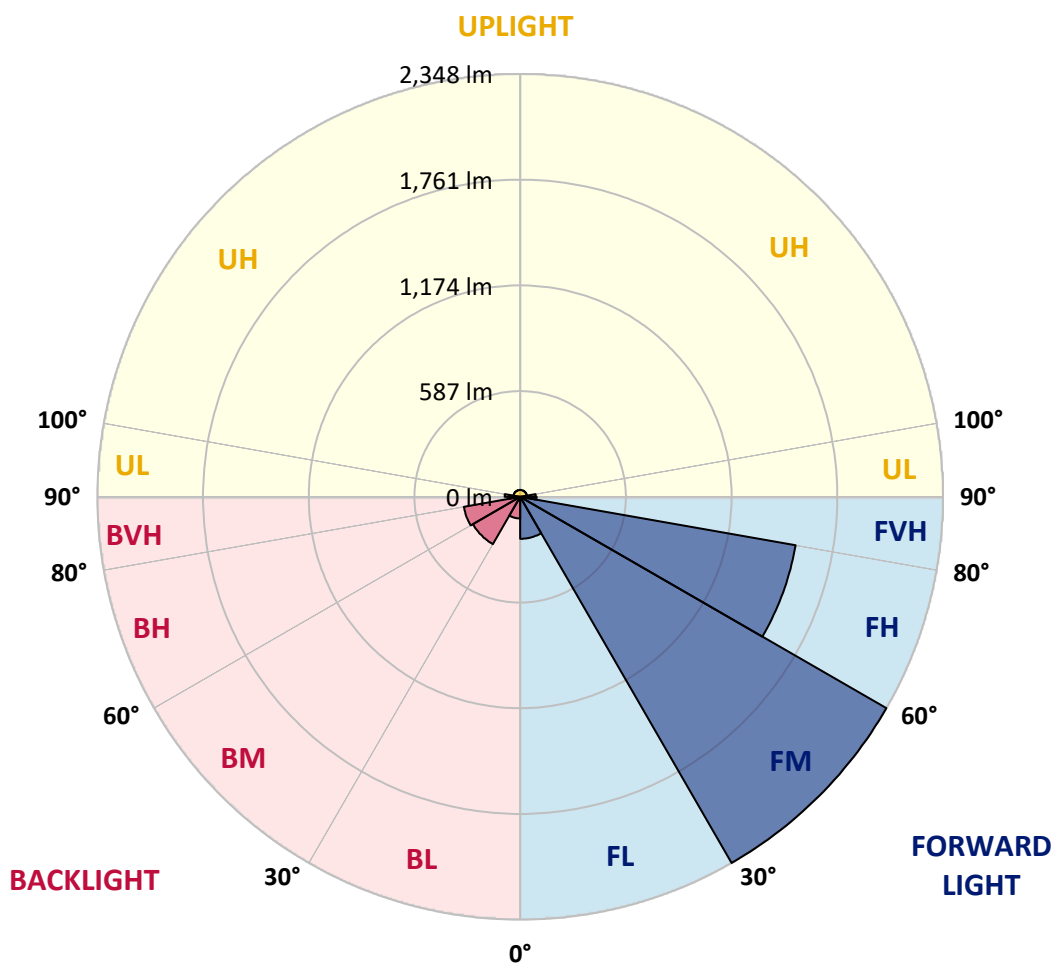
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.2	4.5			
FM (30°-60°)	2347.7	45.5			
FH (60°-80°)	1553.0	30.1			G1/1800
FVH (80°-90°)	91.1	1.8			G1/100
BL (0°-30°)	120.3	2.3	B1/500		
BM (30°-60°)	303.3	5.9	B1/1000		
BH (60°-80°)	317.4	6.2	B1/500		G1/500
BVH (80°-90°)	65.9	1.3			G1/100
UL (90°-100°)	86.2	1.7		U3/500	
UH (100°-180°)	38.0	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3
2.5°	674.3	712.8	754.1	781.6	787.1	795.3	795.3	792.6	792.6	789.8	789.8
5°	655.0	652.2	655.0	660.5	657.7	657.7	657.7	767.8	776.1	781.6	781.6
7.5°	564.2	577.9	622.0	638.5	644.0	649.5	649.5	641.2	611.0	677.0	685.3
10°	613.7	611.0	611.0	616.5	575.2	558.7	503.6	495.4	495.4	517.4	588.9
12.5°	514.6	544.9	586.2	602.7	555.9	492.6	478.9	489.9	487.1	426.6	498.1
15°	583.4	583.4	577.9	566.9	437.6	489.9	412.8	412.8	470.6	506.4	569.7
17.5°	473.4	487.1	555.9	547.7	481.6	368.8	481.6	443.1	476.1	445.8	478.9
20°	580.7	577.9	580.7	443.1	489.9	506.4	481.6	432.1	393.5	517.4	572.4
22.5°	478.9	473.4	500.9	547.7	462.3	525.6	440.3	525.6	511.9	459.6	412.8
25°	619.2	616.5	622.0	484.4	542.2	470.6	542.2	470.6	492.6	588.9	602.7
27.5°	558.7	555.9	547.7	591.7	514.6	594.4	511.9	575.2	591.7	638.5	740.3
30°	787.1	776.1	748.6	594.4	605.5	572.4	605.5	707.3	762.3	855.9	886.2
32.5°	1147.6	1089.8	908.2	787.1	641.2	732.0	685.3	831.1	883.4	930.2	955.0
35°	1483.4	1458.6	1326.5	1040.3	781.6	809.1	773.3	930.2	960.5	1059.5	1054.0
37.5°	1943.0	1901.7	1698.0	1343.0	982.5	971.5	880.7	1059.5	1081.6	1224.7	1197.1
40°	2287.0	2253.9	2094.3	1667.7	1249.4	1153.1	1029.3	1238.4	1213.7	1406.3	1367.8
42.5°	2617.2	2597.9	2474.1	2039.3	1543.9	1433.8	1183.4	1458.6	1453.1	1621.0	1587.9
45°	2884.2	2862.1	2782.3	2372.3	1882.4	1885.2	1425.6	1700.8	1739.3	1898.9	1813.6
47.5°	3041.0	2994.2	2936.4	2636.5	2223.7	2317.2	1783.3	1976.0	2069.5	2207.2	2077.8
50°	3005.2	2958.5	2964.0	2804.3	2537.4	2688.8	2165.9	2267.7	2454.8	2562.2	2306.2
52.5°	2719.0	2691.5	2782.3	2774.1	2697.0	3030.0	2611.7	2584.2	2768.6	2840.1	2540.2
55°	2311.7	2273.2	2443.8	2564.9	2697.0	3241.9	3024.5	2936.4	3104.3	3093.3	2699.8
57.5°	1755.8	1769.6	1962.2	2152.1	2476.9	3283.2	3330.0	3319.0	3396.0	3302.5	2826.4
60°	1199.9	1208.2	1480.6	1695.3	2031.0	3065.8	3429.1	3635.5	3627.2	3478.6	2969.5
62.5°	754.1	751.3	957.7	1296.2	1461.3	2496.1	3390.5	3874.9	3844.6	3610.7	3079.6
65°	434.8	445.8	520.1	858.6	1015.5	1703.5	3167.6	4108.8	4023.5	3729.0	3197.9
67.5°	266.9	275.2	311.0	465.1	663.2	941.2	2694.3	4166.6	4172.1	3825.4	3261.2
70°	225.7	228.4	244.9	286.2	462.3	528.4	1813.6	3896.9	4056.5	3847.4	3241.9
72.5°	189.9	192.6	217.4	250.4	344.0	374.3	814.6	3219.9	3522.6	3679.5	3101.6
75°	140.4	143.1	178.9	228.4	250.4	300.0	445.8	2132.8	2419.1	2908.9	2644.7
77.5°	90.8	93.6	126.6	184.4	211.9	236.7	360.5	996.2	1260.4	1681.5	1670.5
80°	60.5	60.5	74.3	129.3	167.9	192.6	313.7	492.6	561.4	693.5	649.5
82.5°	38.5	38.5	46.8	79.8	107.3	192.6	294.5	352.3	341.3	346.8	308.2
85°	16.5	16.5	24.8	44.0	57.8	126.6	264.2	302.7	289.0	289.0	275.2
87.5°	5.5	5.5	8.3	13.8	19.3	38.5	203.7	242.2	233.9	242.2	261.4
90°	5.5	5.5	2.8	5.5	5.5	27.5	165.1	239.4	233.9	244.9	269.7
92.5°	8.3	8.3	2.8	2.8	5.5	22.0	129.3	247.7	239.4	255.9	280.7
95°	13.8	13.8	5.5	2.8	8.3	19.3	79.8	220.2	239.4	253.2	286.2
97.5°	16.5	16.5	5.5	5.5	8.3	16.5	41.3	178.9	184.4	192.6	225.7
100°	22.0	22.0	5.5	5.5	5.5	13.8	22.0	93.6	96.3	68.8	110.1
102.5°	22.0	22.0	5.5	5.5	5.5	8.3	11.0	41.3	38.5	13.8	13.8
105°	24.8	24.8	8.3	5.5	5.5	5.5	5.5	13.8	13.8	8.3	16.5
107.5°	24.8	24.8	8.3	8.3	5.5	5.5	2.8	5.5	8.3	8.3	16.5
110°	19.3	19.3	8.3	8.3	5.5	2.8	2.8	2.8	5.5	8.3	19.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	13.8	13.8	5.5	8.3	5.5	2.8	2.8	2.8	5.5	11.0	27.5
115°	5.5	5.5	2.8	5.5	2.8	2.8	2.8	5.5	5.5	8.3	22.0
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	2.8	8.3	19.3
120°	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	11.0	19.3
122.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	11.0	19.3
125°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	8.3	16.5
127.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.5	16.5
130°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.5	11.0
132.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.5	8.3
135°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	5.5
137.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8
140°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	5.5	5.5	2.8	0.0	5.5	2.8	2.8	2.8	2.8
152.5°	5.5	5.5	5.5	5.5	2.8	0.0	2.8	5.5	2.8	2.8	2.8
155°	5.5	5.5	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.5	8.3
157.5°	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8	0.0	0.0	2.8
160°	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3
2.5°	787.1	787.1	784.3	784.3	776.1	773.3	737.6	699.0	668.8	671.5	671.5
5°	778.8	773.3	765.1	710.0	641.2	630.2	630.2	624.7	622.0	624.7	624.7
7.5°	679.8	674.3	641.2	613.7	616.5	611.0	599.9	597.2	550.4	503.6	500.9
10°	586.2	577.9	489.9	470.6	467.9	487.1	533.9	517.4	500.9	481.6	489.9
12.5°	489.9	487.1	407.3	451.3	393.5	404.6	415.6	399.0	341.3	275.2	283.5
15°	566.9	558.7	462.3	374.3	335.8	338.5	222.9	214.7	173.4	156.9	148.6
17.5°	421.1	462.3	404.6	374.3	338.5	176.1	143.1	110.1	99.1	79.8	82.6
20°	564.2	553.2	462.3	349.5	261.4	148.6	79.8	63.3	77.1	79.8	79.8
22.5°	399.0	388.0	390.8	371.5	184.4	85.3	60.5	63.3	57.8	55.0	55.0
25°	586.2	566.9	473.4	283.5	137.6	55.0	57.8	44.0	52.3	52.3	52.3
27.5°	712.8	646.7	498.1	275.2	77.1	55.0	41.3	44.0	35.8	35.8	35.8
30°	853.1	814.6	652.2	255.9	60.5	44.0	38.5	30.3	33.0	33.0	33.0
32.5°	916.4	864.1	652.2	203.7	52.3	41.3	30.3	27.5	27.5	30.3	30.3
35°	1007.3	952.2	649.5	134.9	44.0	33.0	24.8	24.8	24.8	24.8	24.8
37.5°	1144.9	1065.0	660.5	85.3	35.8	27.5	19.3	22.0	22.0	46.8	46.8
40°	1299.0	1208.2	630.2	60.5	30.3	22.0	16.5	27.5	38.5	41.3	41.3
42.5°	1494.4	1395.3	586.2	52.3	27.5	16.5	13.8	22.0	33.0	52.3	52.3
45°	1728.3	1579.7	525.6	46.8	22.0	13.8	13.8	27.5	41.3	49.5	49.5
47.5°	1937.5	1758.6	421.1	44.0	19.3	11.0	19.3	30.3	35.8	57.8	57.8
50°	2182.4	1945.7	322.0	38.5	16.5	11.0	30.3	33.0	41.3	52.3	52.3
52.5°	2364.0	2102.6	244.9	35.8	16.5	8.3	30.3	30.3	46.8	60.5	60.5
55°	2509.9	2187.9	176.1	30.3	13.8	8.3	35.8	38.5	41.3	46.8	46.8
57.5°	2622.7	2248.4	137.6	27.5	13.8	19.3	44.0	49.5	44.0	46.8	46.8
60°	2752.1	2278.7	101.8	24.8	11.0	19.3	52.3	66.0	49.5	71.6	68.8
62.5°	2870.4	2300.7	82.6	24.8	11.0	22.0	57.8	82.6	66.0	96.3	99.1
65°	3019.0	2328.2	68.8	19.3	11.0	30.3	68.8	110.1	88.1	126.6	132.1
67.5°	3118.1	2344.8	57.8	19.3	11.0	35.8	96.3	143.1	110.1	159.6	165.1
70°	3129.1	2284.2	46.8	19.3	11.0	55.0	132.1	173.4	137.6	203.7	206.4
72.5°	2986.0	2110.8	38.5	22.0	11.0	60.5	154.1	200.9	162.4	269.7	272.5
75°	2413.6	1480.6	35.8	22.0	11.0	77.1	167.9	220.2	181.6	280.7	286.2
77.5°	1483.4	685.3	33.0	24.8	16.5	85.3	170.6	233.9	189.9	280.7	289.0
80°	575.2	338.5	30.3	27.5	38.5	96.3	184.4	236.7	189.9	261.4	272.5
82.5°	266.9	198.1	30.3	30.3	49.5	99.1	181.6	220.2	176.1	233.9	231.2
85°	239.4	195.4	33.0	33.0	52.3	85.3	143.1	187.1	151.4	184.4	184.4
87.5°	233.9	192.6	35.8	41.3	52.3	49.5	110.1	159.6	129.3	137.6	137.6
90°	239.4	200.9	38.5	46.8	44.0	27.5	88.1	132.1	99.1	88.1	85.3
92.5°	255.9	203.7	46.8	55.0	41.3	22.0	74.3	107.3	71.6	57.8	55.0
95°	269.7	209.2	57.8	66.0	44.0	19.3	66.0	85.3	52.3	35.8	33.0
97.5°	225.7	162.4	66.0	71.6	44.0	19.3	57.8	68.8	41.3	19.3	19.3
100°	96.3	71.6	68.8	77.1	41.3	16.5	49.5	55.0	27.5	8.3	11.0
102.5°	19.3	22.0	60.5	71.6	33.0	11.0	33.0	33.0	19.3	2.8	5.5
105°	19.3	16.5	38.5	60.5	19.3	5.5	13.8	19.3	8.3	2.8	2.8
107.5°	19.3	19.3	13.8	30.3	8.3	5.5	5.5	8.3	5.5	2.8	2.8
110°	22.0	19.3	5.5	8.3	5.5	5.5	5.5	5.5	2.8	13.8	16.5



REPORT NUMBER: P559923
 CATALOG NUMBER: SDL-PA1-100-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.5	24.8	5.5	8.3	8.3	5.5	2.8	2.8	5.5	19.3	22.0
115°	24.8	22.0	8.3	8.3	5.5	5.5	2.8	2.8	5.5	22.0	24.8
117.5°	19.3	19.3	8.3	5.5	5.5	5.5	2.8	2.8	5.5	22.0	22.0
120°	22.0	19.3	8.3	5.5	2.8	2.8	2.8	2.8	5.5	16.5	16.5
122.5°	22.0	19.3	8.3	5.5	2.8	2.8	2.8	2.8	5.5	16.5	19.3
125°	19.3	16.5	8.3	5.5	2.8	2.8	2.8	2.8	8.3	16.5	16.5
127.5°	16.5	13.8	5.5	2.8	2.8	2.8	2.8	2.8	8.3	13.8	13.8
130°	11.0	11.0	5.5	2.8	2.8	2.8	2.8	2.8	8.3	11.0	11.0
132.5°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	2.8	5.5	11.0	11.0
135°	8.3	5.5	5.5	2.8	2.8	2.8	2.8	2.8	5.5	8.3	8.3
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5
140°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
152.5°	2.8	2.8	5.5	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
155°	8.3	8.3	8.3	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.8	2.8	2.8	2.8	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)