

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: P559945

Luminaire Tested: **SDL-PA1-100-830-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559945
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-PA1-100-830-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 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: 5573.4 lumens
Efficiency: N/A
Efficacy: 59.4 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

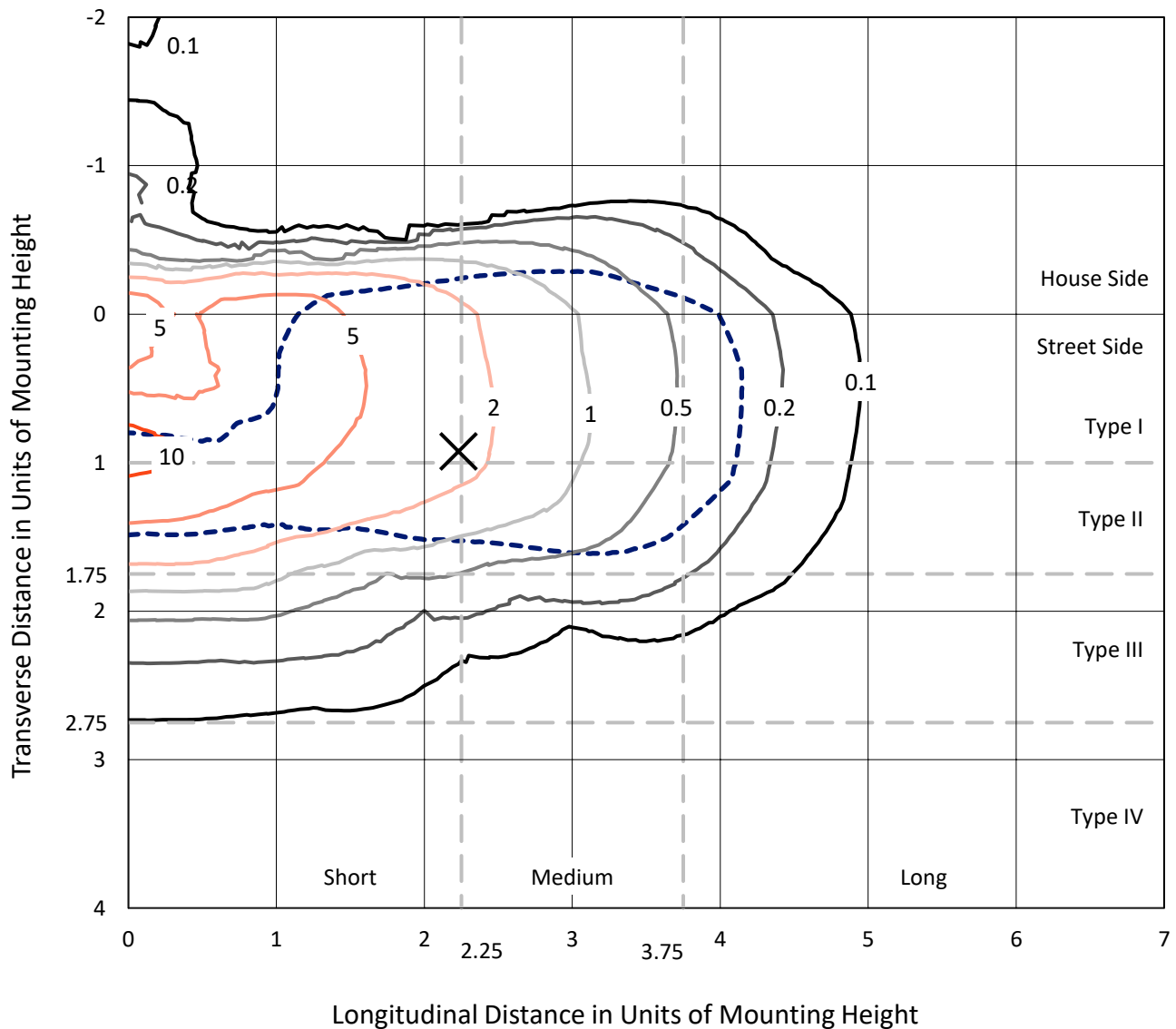


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

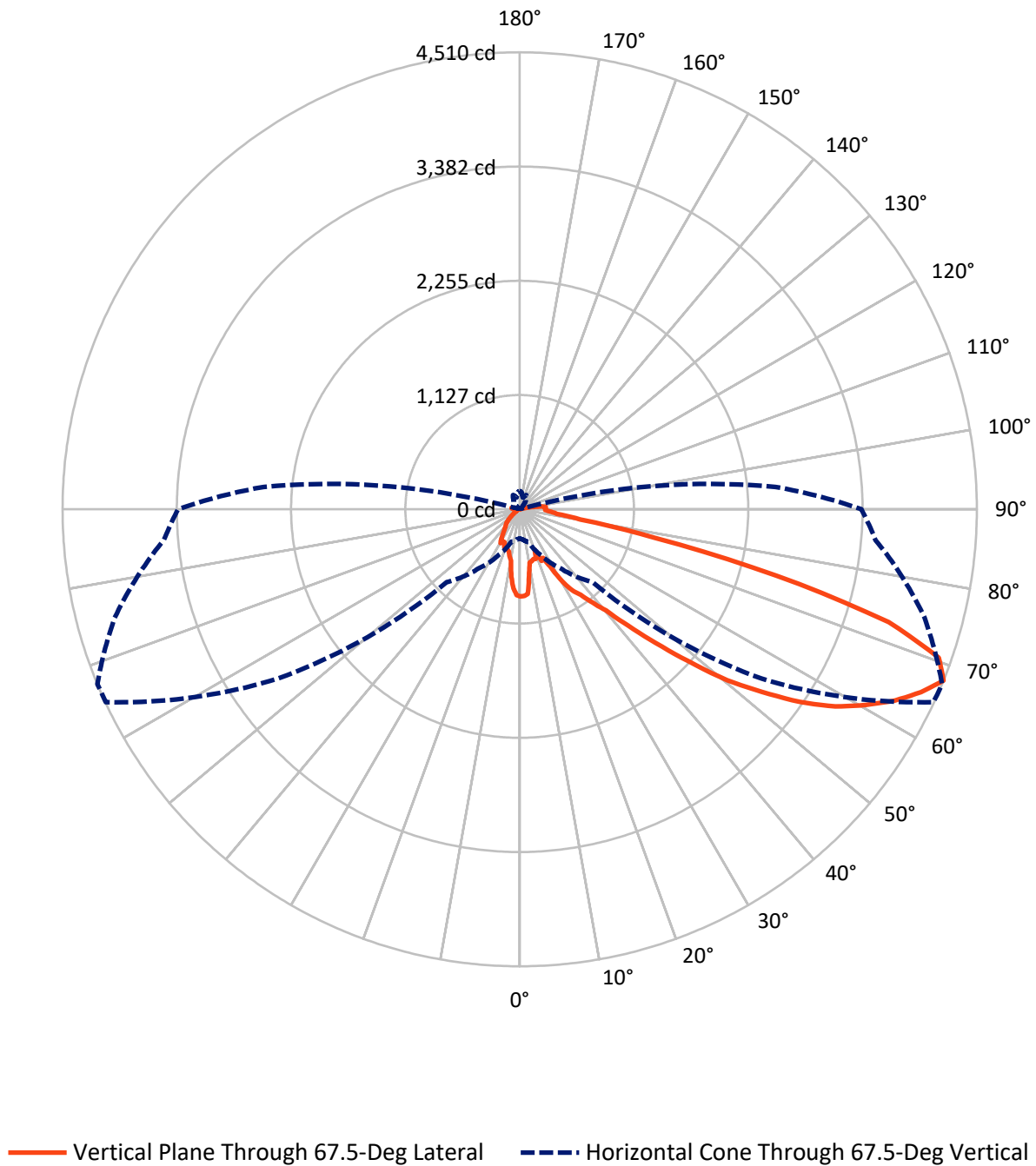


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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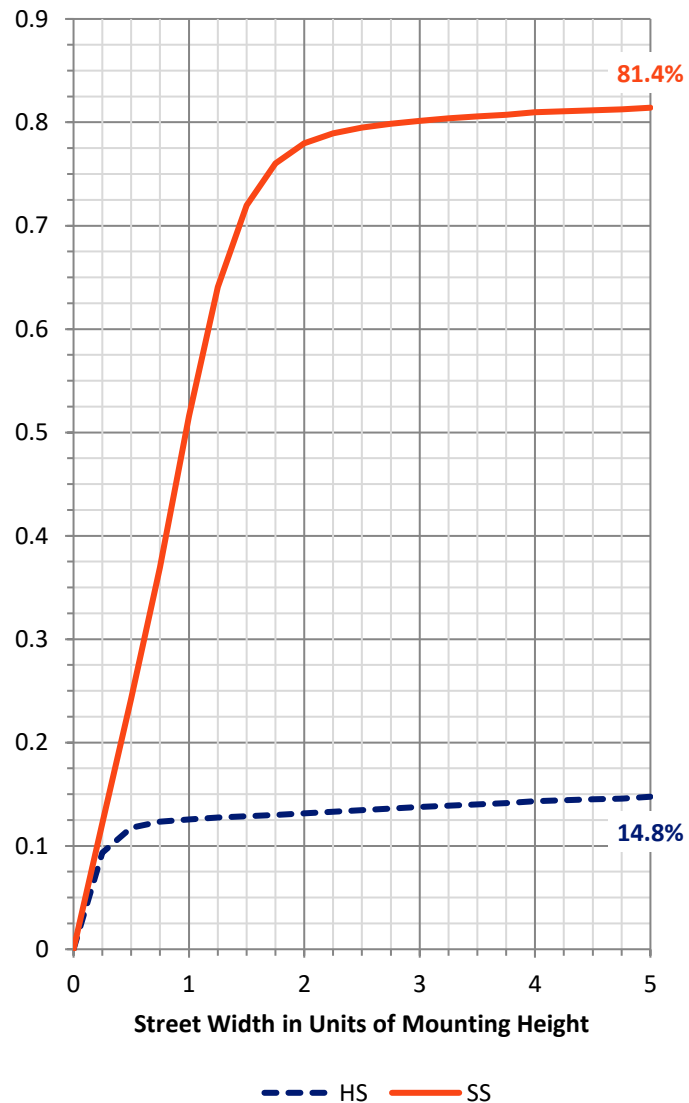
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	872.1	65.0	937.1
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4567.1	69.1	4636.3
	% Fixture	81.9	1.2	83.2
Total	Lumens	5439.3	134.1	5573.4
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	1.2
10°-20°	126.0	2.3
20°-30°	190.1	3.4
30°-40°	437.7	7.9
40°-50°	975.8	17.5
50°-60°	1452.0	26.1
60°-70°	1295.0	23.2
70°-80°	726.9	13.0
80°-90°	169.7	3.0
90°-100°	93.2	1.7
100°-110°	21.4	0.4
110°-120°	8.4	0.2
120°-130°	5.6	0.1
130°-140°	2.9	0.1
140°-150°	1.4	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5439.3	97.6
0°-180°	5573.4	100.0

Coefficient of Utilization



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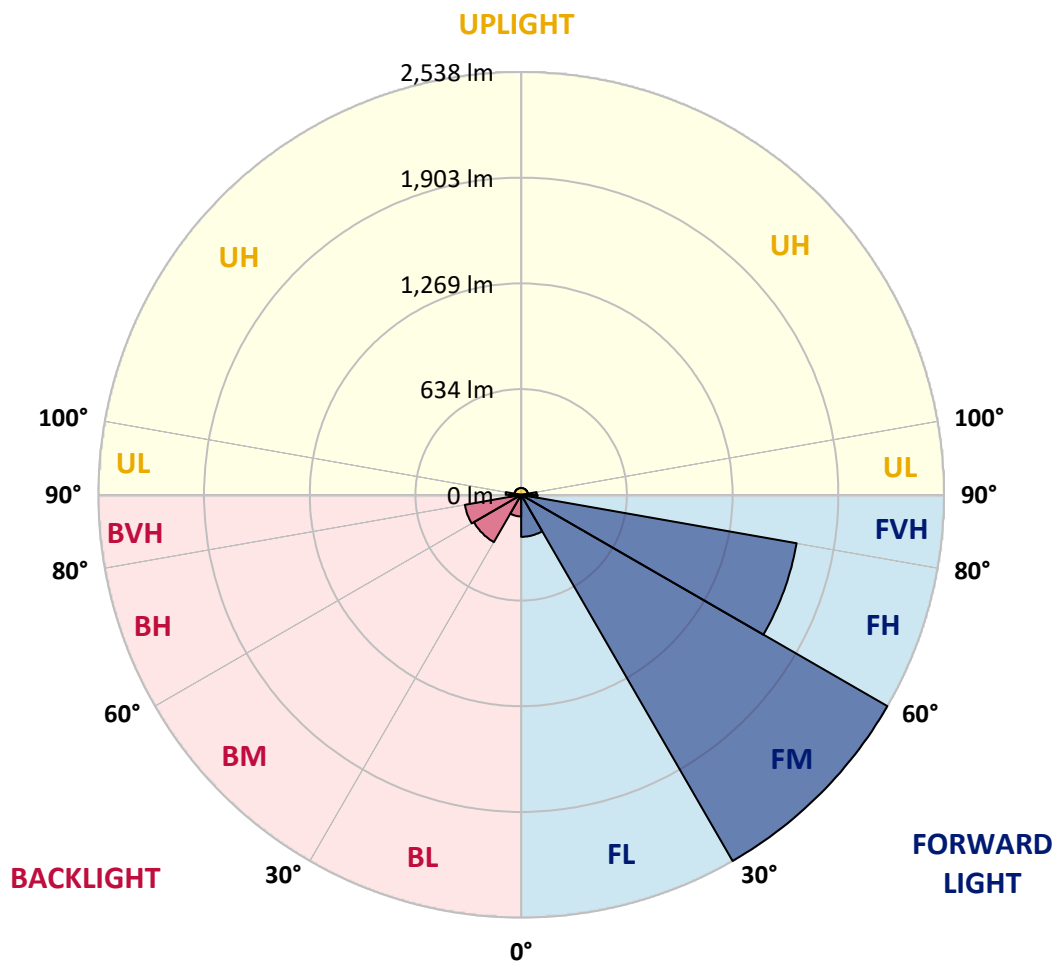
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	252.1	4.5			
FM	(30°-60°)	2537.8	45.5			
FH	(60°-80°)	1678.8	30.1			G1/1800
FVH	(80°-90°)	98.5	1.8			G1/100
BL	(0°-30°)	130.0	2.3	B1/500		
BM	(30°-60°)	327.8	5.9	B1/1000		
BH	(60°-80°)	343.1	6.2	B1/500		G1/500
BVH	(80°-90°)	71.2	1.3			G1/100
UL	(90°-100°)	93.2	1.7		U3/500	
UH	(100°-180°)	40.9	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°	859.7	859.7	859.7	859.7	859.7	859.7	859.7	859.7	859.7	859.7	859.7
2.5°	728.9	770.5	815.1	844.9	850.8	859.7	859.7	856.8	856.8	853.8	853.8
5°	708.0	705.1	708.0	714.0	711.0	711.0	711.0	830.0	838.9	844.9	844.9
7.5°	609.9	624.7	672.3	690.2	696.1	702.1	702.1	693.2	660.4	731.8	740.7
10°	663.4	660.4	660.4	666.4	621.8	603.9	544.4	535.5	535.5	559.3	636.6
12.5°	556.3	589.0	633.7	651.5	600.9	532.5	517.6	529.5	526.6	461.1	538.5
15°	630.7	630.7	624.7	612.8	473.0	529.5	446.2	446.2	508.7	547.4	615.8
17.5°	511.7	526.6	600.9	592.0	520.6	398.6	520.6	479.0	514.7	481.9	517.6
20°	627.7	624.7	627.7	479.0	529.5	547.4	520.6	467.1	425.4	559.3	618.8
22.5°	517.6	511.7	541.4	592.0	499.8	568.2	476.0	568.2	553.3	496.8	446.2
25°	669.4	666.4	672.3	523.6	586.1	508.7	586.1	508.7	532.5	636.6	651.5
27.5°	603.9	600.9	592.0	639.6	556.3	642.6	553.3	621.8	639.6	690.2	800.2
30°	850.8	838.9	809.2	642.6	654.5	618.8	654.5	764.5	824.0	925.2	957.9
32.5°	1240.5	1178.1	981.7	850.8	693.2	791.3	740.7	898.4	954.9	1005.5	1032.3
35°	1603.5	1576.7	1433.9	1124.5	844.9	874.6	835.9	1005.5	1038.2	1145.3	1139.4
37.5°	2100.3	2055.7	1835.5	1451.8	1062.0	1050.1	952.0	1145.3	1169.1	1323.8	1294.1
40°	2472.1	2436.4	2263.9	1802.8	1350.6	1246.5	1112.6	1338.7	1311.9	1520.2	1478.5
42.5°	2829.1	2808.3	2674.4	2204.4	1668.9	1549.9	1279.2	1576.7	1570.7	1752.2	1716.5
45°	3117.7	3093.9	3007.6	2564.4	2034.8	2037.8	1541.0	1838.5	1880.1	2052.7	1960.5
47.5°	3287.3	3236.7	3174.2	2850.0	2403.7	2504.9	1927.7	2136.0	2237.1	2385.9	2246.0
50°	3248.6	3198.0	3204.0	3031.4	2742.9	2906.5	2341.2	2451.3	2653.6	2769.6	2493.0
52.5°	2939.2	2909.5	3007.6	2998.7	2915.4	3275.4	2823.2	2793.4	2992.7	3070.1	2745.8
55°	2498.9	2457.3	2641.7	2772.6	2915.4	3504.4	3269.4	3174.2	3355.7	3343.8	2918.4
57.5°	1898.0	1912.9	2121.1	2326.4	2677.4	3549.1	3599.6	3587.7	3671.0	3569.9	3055.2
60°	1297.1	1306.0	1600.5	1832.5	2195.5	3314.0	3706.7	3929.8	3920.9	3760.3	3209.9
62.5°	815.1	812.1	1035.3	1401.2	1579.7	2698.2	3665.1	4188.7	4155.9	3903.1	3328.9
65°	470.0	481.9	562.3	928.2	1097.7	1841.5	3424.1	4441.5	4349.3	4031.0	3456.8
67.5°	288.6	297.5	336.2	502.8	717.0	1017.4	2912.4	4504.0	4509.9	4135.1	3525.3
70°	243.9	246.9	264.8	309.4	499.8	571.2	1960.5	4212.5	4385.0	4158.9	3504.4
72.5°	205.3	208.2	235.0	270.7	371.9	404.6	880.6	3480.6	3807.9	3977.4	3352.7
75°	151.7	154.7	193.4	246.9	270.7	324.3	481.9	2305.5	2614.9	3144.5	2858.9
77.5°	98.2	101.1	136.8	199.3	229.1	255.8	389.7	1076.9	1362.5	1817.7	1805.8
80°	65.4	65.4	80.3	139.8	181.5	208.2	339.1	532.5	606.9	749.7	702.1
82.5°	41.6	41.6	50.6	86.3	116.0	208.2	318.3	380.8	368.9	374.8	333.2
85°	17.8	17.8	26.8	47.6	62.5	136.8	285.6	327.2	312.4	312.4	297.5
87.5°	5.9	5.9	8.9	14.9	20.8	41.6	220.1	261.8	252.9	261.8	282.6
90°	5.9	5.9	3.0	5.9	5.9	29.7	178.5	258.8	252.9	264.8	291.5
92.5°	8.9	8.9	3.0	3.0	5.9	23.8	139.8	267.7	258.8	276.7	303.4
95°	14.9	14.9	5.9	3.0	8.9	20.8	86.3	238.0	258.8	273.7	309.4
97.5°	17.8	17.8	5.9	5.9	8.9	17.8	44.6	193.4	199.3	208.2	243.9
100°	23.8	23.8	5.9	5.9	5.9	14.9	23.8	101.1	104.1	74.4	119.0
102.5°	23.8	23.8	5.9	5.9	5.9	8.9	11.9	44.6	41.6	14.9	14.9
105°	26.8	26.8	8.9	5.9	5.9	5.9	5.9	14.9	14.9	8.9	17.8
107.5°	26.8	26.8	8.9	8.9	5.9	5.9	3.0	5.9	8.9	8.9	17.8
110°	20.8	20.8	8.9	8.9	5.9	3.0	3.0	3.0	5.9	8.9	20.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	14.9	14.9	5.9	8.9	5.9	3.0	3.0	3.0	5.9	11.9	29.7
115°	5.9	5.9	3.0	5.9	3.0	3.0	3.0	5.9	5.9	8.9	23.8
117.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.9	3.0	8.9	20.8
120°	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	11.9	20.8
122.5°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	11.9	20.8
125°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	8.9	17.8
127.5°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	5.9	17.8
130°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	5.9	11.9
132.5°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	5.9	8.9
135°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0	5.9
137.5°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0
140°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	3.0	3.0	5.9	5.9	3.0	0.0	5.9	3.0	3.0	3.0	3.0
152.5°	5.9	5.9	5.9	5.9	3.0	0.0	3.0	5.9	3.0	3.0	3.0
155°	5.9	5.9	3.0	3.0	3.0	0.0	3.0	3.0	3.0	5.9	8.9
157.5°	0.0	0.0	0.0	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0
160°	0.0	0.0	0.0	0.0	3.0	0.0	3.0	3.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	859.7	859.7	859.7	859.7	859.7	859.7	859.7	859.7	859.7	859.7	859.7
2.5°	850.8	850.8	847.8	847.8	838.9	835.9	797.3	755.6	722.9	725.9	725.9
5°	841.9	835.9	827.0	767.5	693.2	681.3	681.3	675.3	672.3	675.3	675.3
7.5°	734.8	728.9	693.2	663.4	666.4	660.4	648.5	645.6	595.0	544.4	541.4
10°	633.7	624.7	529.5	508.7	505.7	526.6	577.1	559.3	541.4	520.6	529.5
12.5°	529.5	526.6	440.3	487.9	425.4	437.3	449.2	431.4	368.9	297.5	306.4
15°	612.8	603.9	499.8	404.6	362.9	365.9	241.0	232.0	187.4	169.6	160.6
17.5°	455.2	499.8	437.3	404.6	365.9	190.4	154.7	119.0	107.1	86.3	89.2
20°	609.9	598.0	499.8	377.8	282.6	160.6	86.3	68.4	83.3	86.3	86.3
22.5°	431.4	419.5	422.4	401.6	199.3	92.2	65.4	68.4	62.5	59.5	59.5
25°	633.7	612.8	511.7	306.4	148.7	59.5	62.5	47.6	56.5	56.5	56.5
27.5°	770.5	699.1	538.5	297.5	83.3	59.5	44.6	47.6	38.7	38.7	38.7
30°	922.2	880.6	705.1	276.7	65.4	47.6	41.6	32.7	35.7	35.7	35.7
32.5°	990.6	934.1	705.1	220.1	56.5	44.6	32.7	29.7	29.7	32.7	32.7
35°	1088.8	1029.3	702.1	145.8	47.6	35.7	26.8	26.8	26.8	26.8	26.8
37.5°	1237.6	1151.3	714.0	92.2	38.7	29.7	20.8	23.8	23.8	50.6	50.6
40°	1404.2	1306.0	681.3	65.4	32.7	23.8	17.8	29.7	41.6	44.6	44.6
42.5°	1615.4	1508.3	633.7	56.5	29.7	17.8	14.9	23.8	35.7	56.5	56.5
45°	1868.2	1707.6	568.2	50.6	23.8	14.9	14.9	29.7	44.6	53.5	53.5
47.5°	2094.3	1901.0	455.2	47.6	20.8	11.9	20.8	32.7	38.7	62.5	62.5
50°	2359.1	2103.3	348.1	41.6	17.8	11.9	32.7	35.7	44.6	56.5	56.5
52.5°	2555.4	2272.8	264.8	38.7	17.8	8.9	32.7	32.7	50.6	65.4	65.4
55°	2713.1	2365.0	190.4	32.7	14.9	8.9	38.7	41.6	44.6	50.6	50.6
57.5°	2835.1	2430.5	148.7	29.7	14.9	20.8	47.6	53.5	47.6	50.6	50.6
60°	2974.9	2463.2	110.1	26.8	11.9	20.8	56.5	71.4	53.5	77.3	74.4
62.5°	3102.8	2487.0	89.2	26.8	11.9	23.8	62.5	89.2	71.4	104.1	107.1
65°	3263.5	2516.8	74.4	20.8	11.9	32.7	74.4	119.0	95.2	136.8	142.8
67.5°	3370.6	2534.6	62.5	20.8	11.9	38.7	104.1	154.7	119.0	172.5	178.5
70°	3382.5	2469.2	50.6	20.8	11.9	59.5	142.8	187.4	148.7	220.1	223.1
72.5°	3227.8	2281.7	41.6	23.8	11.9	65.4	166.6	217.2	175.5	291.5	294.5
75°	2609.0	1600.5	38.7	23.8	11.9	83.3	181.5	238.0	196.3	303.4	309.4
77.5°	1603.5	740.7	35.7	26.8	17.8	92.2	184.4	252.9	205.3	303.4	312.4
80°	621.8	365.9	32.7	29.7	41.6	104.1	199.3	255.8	205.3	282.6	294.5
82.5°	288.6	214.2	32.7	32.7	53.5	107.1	196.3	238.0	190.4	252.9	249.9
85°	258.8	211.2	35.7	35.7	56.5	92.2	154.7	202.3	163.6	199.3	199.3
87.5°	252.9	208.2	38.7	44.6	56.5	53.5	119.0	172.5	139.8	148.7	148.7
90°	258.8	217.2	41.6	50.6	47.6	29.7	95.2	142.8	107.1	95.2	92.2
92.5°	276.7	220.1	50.6	59.5	44.6	23.8	80.3	116.0	77.3	62.5	59.5
95°	291.5	226.1	62.5	71.4	47.6	20.8	71.4	92.2	56.5	38.7	35.7
97.5°	243.9	175.5	71.4	77.3	47.6	20.8	62.5	74.4	44.6	20.8	20.8
100°	104.1	77.3	74.4	83.3	44.6	17.8	53.5	59.5	29.7	8.9	11.9
102.5°	20.8	23.8	65.4	77.3	35.7	11.9	35.7	35.7	20.8	3.0	5.9
105°	20.8	17.8	41.6	65.4	20.8	5.9	14.9	20.8	8.9	3.0	3.0
107.5°	20.8	20.8	14.9	32.7	8.9	5.9	5.9	8.9	5.9	3.0	3.0
110°	23.8	20.8	5.9	8.9	5.9	5.9	5.9	5.9	3.0	14.9	17.8

REPORT NUMBER: P559945

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.7	26.8	5.9	8.9	8.9	5.9	3.0	3.0	5.9	20.8	23.8
115°	26.8	23.8	8.9	8.9	5.9	5.9	3.0	3.0	5.9	23.8	26.8
117.5°	20.8	20.8	8.9	5.9	5.9	5.9	3.0	3.0	5.9	23.8	23.8
120°	23.8	20.8	8.9	5.9	3.0	3.0	3.0	3.0	5.9	17.8	17.8
122.5°	23.8	20.8	8.9	5.9	3.0	3.0	3.0	3.0	5.9	17.8	20.8
125°	20.8	17.8	8.9	5.9	3.0	3.0	3.0	3.0	8.9	17.8	17.8
127.5°	17.8	14.9	5.9	3.0	3.0	3.0	3.0	3.0	8.9	14.9	14.9
130°	11.9	11.9	5.9	3.0	3.0	3.0	3.0	3.0	8.9	11.9	11.9
132.5°	8.9	8.9	5.9	3.0	3.0	3.0	3.0	3.0	5.9	11.9	11.9
135°	8.9	5.9	5.9	3.0	3.0	3.0	3.0	3.0	5.9	8.9	8.9
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.9	5.9
140°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0
150°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
152.5°	3.0	3.0	5.9	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
155°	8.9	8.9	8.9	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
157.5°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	3.0	3.0	3.0	3.0	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)