

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: P561177

Luminaire Tested: **SDL-PA1-80-830-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561177
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-PA1-80-830-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1050mA 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: 5039.3 lumens
Efficiency: N/A
Efficacy: 61.5 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): 82
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



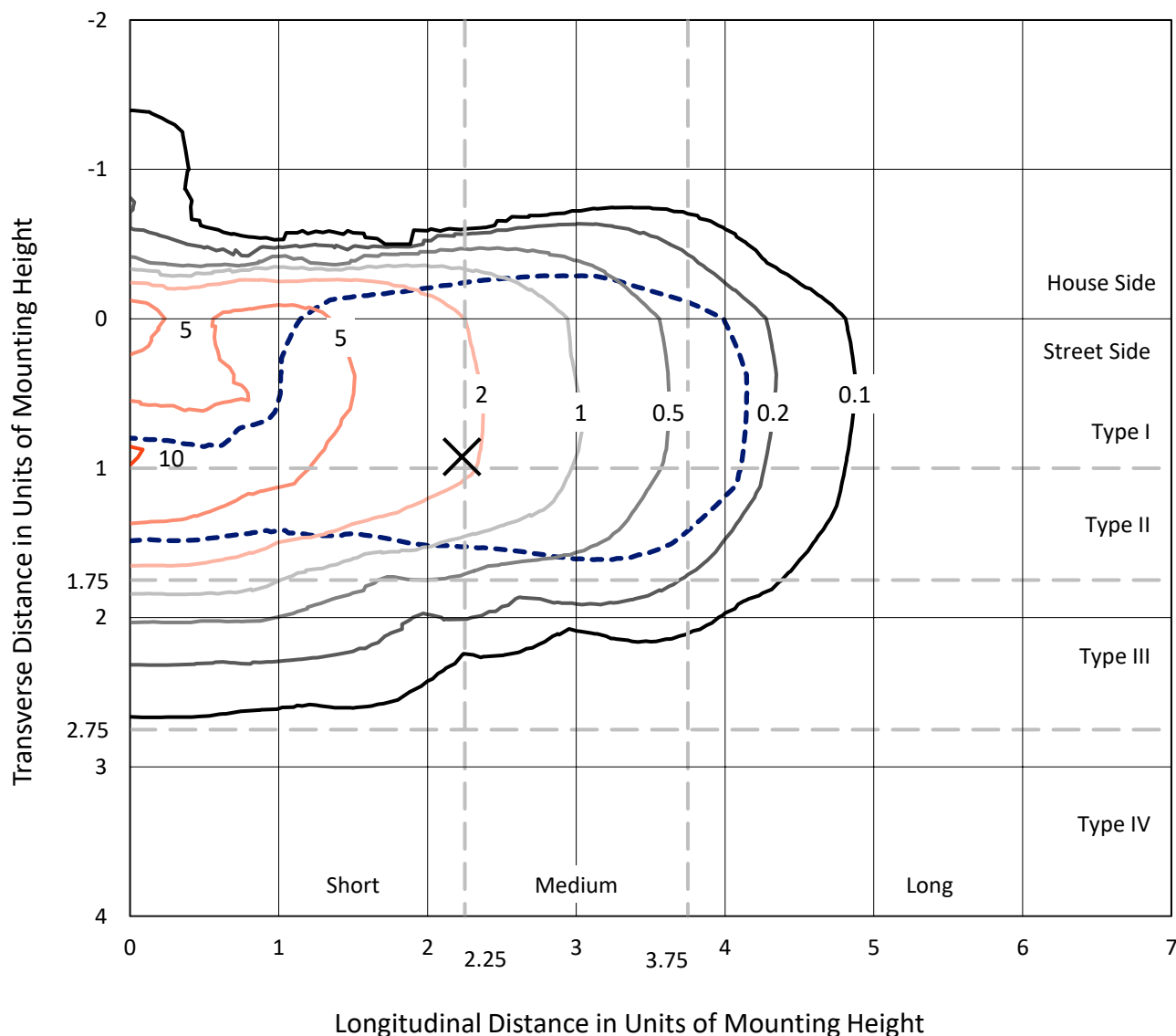
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

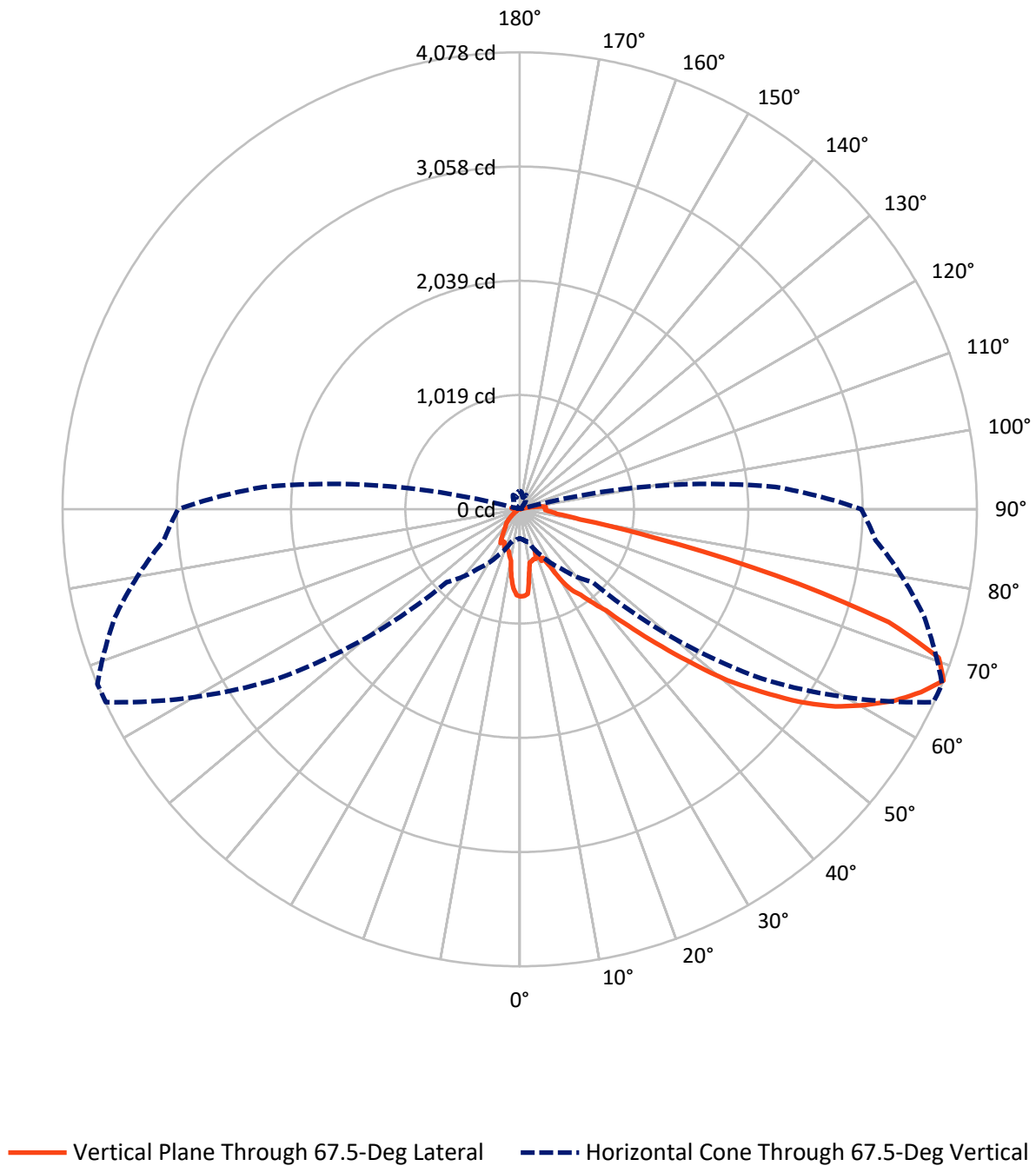


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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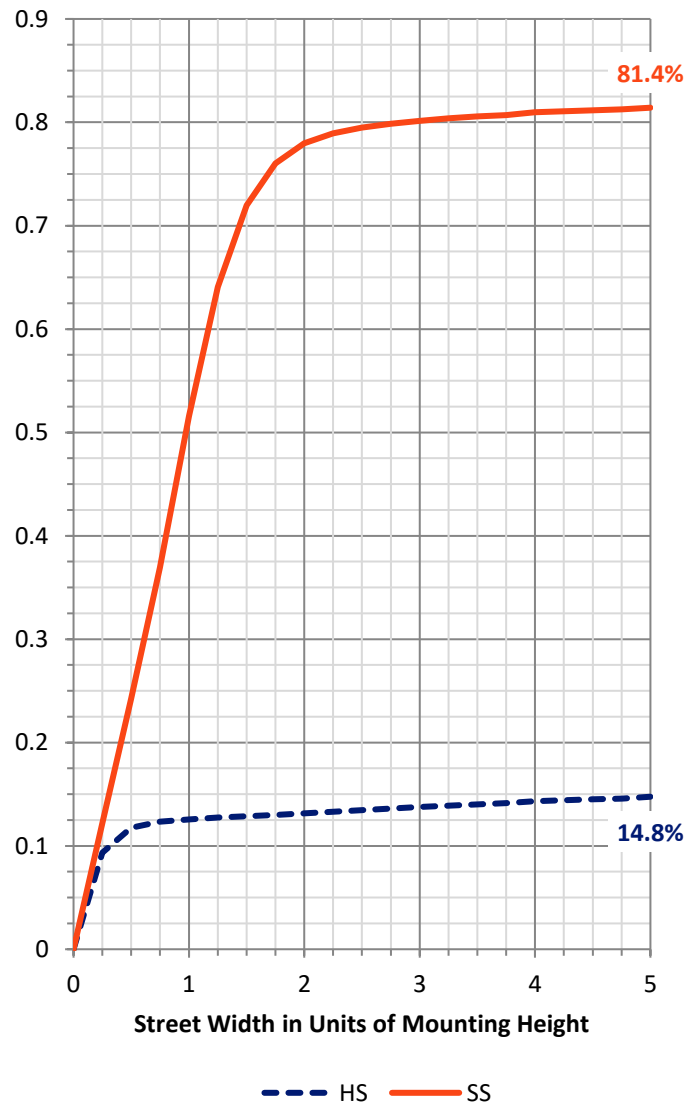
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	788.6	58.8	847.3
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4129.4	62.5	4191.9
	% Fixture	81.9	1.2	83.2
Total	Lumens	4918.0	121.3	5039.3
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	1.2
10°-20°	113.9	2.3
20°-30°	171.9	3.4
30°-40°	395.8	7.9
40°-50°	882.3	17.5
50°-60°	1312.8	26.1
60°-70°	1170.9	23.2
70°-80°	657.2	13.0
80°-90°	153.4	3.0
90°-100°	84.2	1.7
100°-110°	19.4	0.4
110°-120°	7.6	0.2
120°-130°	5.1	0.1
130°-140°	2.6	0.1
140°-150°	1.3	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4918.0	97.6
0°-180°	5039.3	100.0

Coefficient of Utilization



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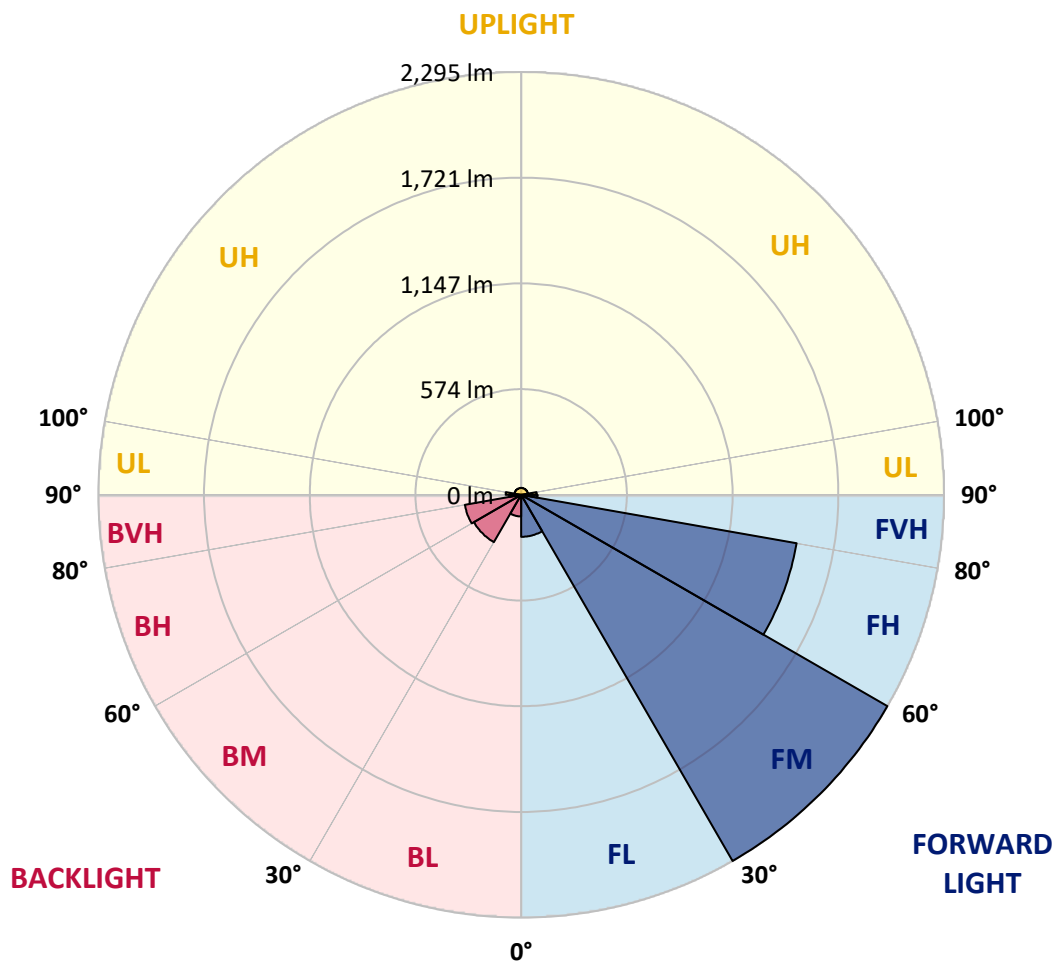
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.0	4.5			
FM	(30°-60°)	2294.5	45.5			
FH	(60°-80°)	1517.9	30.1			G1/1800
FVH	(80°-90°)	89.1	1.8			G1/100
BL	(0°-30°)	117.5	2.3	B1/500		
BM	(30°-60°)	296.4	5.9	B1/1000		
BH	(60°-80°)	310.3	6.2	B1/500		G1/500
BVH	(80°-90°)	64.4	1.3			G1/100
UL	(90°-100°)	84.2	1.7		U3/500	
UH	(100°-180°)	37.0	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°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3
2.5°	659.0	696.7	737.0	763.9	769.3	777.3	777.3	774.7	774.7	772.0	772.0
5°	640.2	637.5	640.2	645.5	642.9	642.9	642.9	750.4	758.5	763.9	763.9
7.5°	551.4	564.9	607.9	624.0	629.4	634.8	634.8	626.7	597.1	661.7	669.8
10°	599.8	597.1	597.1	602.5	562.2	546.0	492.2	484.2	484.2	505.7	575.6
12.5°	503.0	532.6	572.9	589.1	543.3	481.5	468.0	478.8	476.1	416.9	486.8
15°	570.2	570.2	564.9	554.1	427.7	478.8	403.5	403.5	460.0	494.9	556.8
17.5°	462.6	476.1	543.3	535.3	470.7	360.4	470.7	433.1	465.3	435.7	468.0
20°	567.5	564.9	567.5	433.1	478.8	494.9	470.7	422.3	384.6	505.7	559.5
22.5°	468.0	462.6	489.5	535.3	451.9	513.7	430.4	513.7	500.3	449.2	403.5
25°	605.2	602.5	607.9	473.4	529.9	460.0	529.9	460.0	481.5	575.6	589.1
27.5°	546.0	543.3	535.3	578.3	503.0	581.0	500.3	562.2	578.3	624.0	723.5
30°	769.3	758.5	731.6	581.0	591.8	559.5	591.8	691.3	745.1	836.5	866.1
32.5°	1121.6	1065.2	887.6	769.3	626.7	715.5	669.8	812.3	863.4	909.1	933.4
35°	1449.8	1425.6	1296.5	1016.7	763.9	790.8	755.8	909.1	938.7	1035.6	1030.2
37.5°	1899.0	1858.6	1659.6	1312.6	960.2	949.5	860.7	1035.6	1057.1	1197.0	1170.1
40°	2235.2	2202.9	2046.9	1630.0	1221.2	1127.0	1006.0	1210.4	1186.2	1374.5	1336.8
42.5°	2558.0	2539.1	2418.1	1993.1	1509.0	1401.4	1156.6	1425.6	1420.2	1584.3	1552.0
45°	2818.9	2797.4	2719.4	2318.6	1839.8	1842.5	1393.3	1662.3	1699.9	1855.9	1772.6
47.5°	2972.2	2926.5	2870.0	2576.8	2173.3	2264.8	1743.0	1931.3	2022.7	2157.2	2030.8
50°	2937.2	2891.5	2896.9	2740.9	2480.0	2627.9	2116.9	2216.4	2399.3	2504.2	2254.0
52.5°	2657.5	2630.6	2719.4	2711.3	2636.0	2961.4	2552.6	2525.7	2705.9	2775.8	2482.7
55°	2259.4	2221.8	2388.5	2506.9	2636.0	3168.6	2956.1	2870.0	3034.1	3023.3	2638.7
57.5°	1716.1	1729.5	1917.8	2103.4	2420.8	3208.9	3254.6	3243.9	3319.2	3227.7	2762.4
60°	1172.7	1180.8	1447.1	1656.9	1985.1	2996.4	3351.5	3553.2	3545.1	3399.9	2902.3
62.5°	737.0	734.3	936.0	1266.9	1428.3	2439.6	3313.8	3787.2	3757.6	3529.0	3009.9
65°	425.0	435.7	508.4	839.2	992.5	1665.0	3095.9	4015.8	3932.5	3644.6	3125.5
67.5°	260.9	269.0	303.9	454.6	648.2	919.9	2633.3	4072.3	4077.7	3738.8	3187.4
70°	220.6	223.3	239.4	279.7	451.9	516.4	1772.6	3808.7	3964.7	3760.3	3168.6
72.5°	185.6	188.3	212.5	244.8	336.2	365.8	796.2	3147.0	3442.9	3596.2	3031.4
75°	137.2	139.9	174.8	223.3	244.8	293.2	435.7	2084.6	2364.3	2843.1	2584.9
77.5°	88.8	91.5	123.7	180.2	207.1	231.3	352.4	973.7	1231.9	1643.5	1632.7
80°	59.2	59.2	72.6	126.4	164.1	188.3	306.6	481.5	548.7	677.8	634.8
82.5°	37.7	37.7	45.7	78.0	104.9	188.3	287.8	344.3	333.5	338.9	301.3
85°	16.1	16.1	24.2	43.0	56.5	123.7	258.2	295.9	282.4	282.4	269.0
87.5°	5.4	5.4	8.1	13.4	18.8	37.7	199.0	236.7	228.6	236.7	255.5
90°	5.4	5.4	2.7	5.4	5.4	26.9	161.4	234.0	228.6	239.4	263.6
92.5°	8.1	8.1	2.7	2.7	5.4	21.5	126.4	242.1	234.0	250.1	274.4
95°	13.4	13.4	5.4	2.7	8.1	18.8	78.0	215.2	234.0	247.5	279.7
97.5°	16.1	16.1	5.4	5.4	8.1	16.1	40.3	174.8	180.2	188.3	220.6
100°	21.5	21.5	5.4	5.4	5.4	13.4	21.5	91.5	94.1	67.2	107.6
102.5°	21.5	21.5	5.4	5.4	5.4	8.1	10.8	40.3	37.7	13.4	13.4
105°	24.2	24.2	8.1	5.4	5.4	5.4	5.4	13.4	13.4	8.1	16.1
107.5°	24.2	24.2	8.1	8.1	5.4	5.4	2.7	5.4	8.1	8.1	16.1
110°	18.8	18.8	8.1	8.1	5.4	2.7	2.7	2.7	5.4	8.1	18.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	13.4	13.4	5.4	8.1	5.4	2.7	2.7	2.7	5.4	10.8	26.9
115°	5.4	5.4	2.7	5.4	2.7	2.7	2.7	5.4	5.4	8.1	21.5
117.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	2.7	8.1	18.8
120°	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	10.8	18.8
122.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	10.8	18.8
125°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	8.1	16.1
127.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4	16.1
130°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4	10.8
132.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4	8.1
135°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	5.4
137.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7
140°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	5.4	5.4	2.7	0.0	5.4	2.7	2.7	2.7	2.7
152.5°	5.4	5.4	5.4	5.4	2.7	0.0	2.7	5.4	2.7	2.7	2.7
155°	5.4	5.4	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4	8.1
157.5°	0.0	0.0	0.0	0.0	2.7	0.0	2.7	2.7	0.0	0.0	2.7
160°	0.0	0.0	0.0	0.0	2.7	0.0	2.7	2.7	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3
2.5°	769.3	769.3	766.6	766.6	758.5	755.8	720.9	683.2	653.6	656.3	656.3
5°	761.2	755.8	747.8	694.0	626.7	616.0	616.0	610.6	607.9	610.6	610.6
7.5°	664.4	659.0	626.7	599.8	602.5	597.1	586.4	583.7	538.0	492.2	489.5
10°	572.9	564.9	478.8	460.0	457.3	476.1	521.8	505.7	489.5	470.7	478.8
12.5°	478.8	476.1	398.1	441.1	384.6	395.4	406.2	390.0	333.5	269.0	277.0
15°	554.1	546.0	451.9	365.8	328.2	330.8	217.9	209.8	169.5	153.3	145.2
17.5°	411.5	451.9	395.4	365.8	330.8	172.1	139.9	107.6	96.8	78.0	80.7
20°	551.4	540.6	451.9	341.6	255.5	145.2	78.0	61.9	75.3	78.0	78.0
22.5°	390.0	379.3	381.9	363.1	180.2	83.4	59.2	61.9	56.5	53.8	53.8
25°	572.9	554.1	462.6	277.0	134.5	53.8	56.5	43.0	51.1	51.1	51.1
27.5°	696.7	632.1	486.8	269.0	75.3	53.8	40.3	43.0	35.0	35.0	35.0
30°	833.8	796.2	637.5	250.1	59.2	43.0	37.7	29.6	32.3	32.3	32.3
32.5°	895.7	844.6	637.5	199.0	51.1	40.3	29.6	26.9	26.9	29.6	29.6
35°	984.5	930.7	634.8	131.8	43.0	32.3	24.2	24.2	24.2	24.2	24.2
37.5°	1118.9	1040.9	645.5	83.4	35.0	26.9	18.8	21.5	21.5	45.7	45.7
40°	1269.6	1180.8	616.0	59.2	29.6	21.5	16.1	26.9	37.7	40.3	40.3
42.5°	1460.5	1363.7	572.9	51.1	26.9	16.1	13.4	21.5	32.3	51.1	51.1
45°	1689.2	1543.9	513.7	45.7	21.5	13.4	13.4	26.9	40.3	48.4	48.4
47.5°	1893.6	1718.8	411.5	43.0	18.8	10.8	18.8	29.6	35.0	56.5	56.5
50°	2133.0	1901.7	314.7	37.7	16.1	10.8	29.6	32.3	40.3	51.1	51.1
52.5°	2310.5	2055.0	239.4	35.0	16.1	8.1	29.6	29.6	45.7	59.2	59.2
55°	2453.1	2138.4	172.1	29.6	13.4	8.1	35.0	37.7	40.3	45.7	45.7
57.5°	2563.4	2197.5	134.5	26.9	13.4	18.8	43.0	48.4	43.0	45.7	45.7
60°	2689.8	2227.1	99.5	24.2	10.8	18.8	51.1	64.6	48.4	69.9	67.2
62.5°	2805.4	2248.7	80.7	24.2	10.8	21.5	56.5	80.7	64.6	94.1	96.8
65°	2950.7	2275.6	67.2	18.8	10.8	29.6	67.2	107.6	86.1	123.7	129.1
67.5°	3047.5	2291.7	56.5	18.8	10.8	35.0	94.1	139.9	107.6	156.0	161.4
70°	3058.3	2232.5	45.7	18.8	10.8	53.8	129.1	169.5	134.5	199.0	201.7
72.5°	2918.4	2063.1	37.7	21.5	10.8	59.2	150.6	196.4	158.7	263.6	266.3
75°	2358.9	1447.1	35.0	21.5	10.8	75.3	164.1	215.2	177.5	274.4	279.7
77.5°	1449.8	669.8	32.3	24.2	16.1	83.4	166.8	228.6	185.6	274.4	282.4
80°	562.2	330.8	29.6	26.9	37.7	94.1	180.2	231.3	185.6	255.5	266.3
82.5°	260.9	193.7	29.6	29.6	48.4	96.8	177.5	215.2	172.1	228.6	225.9
85°	234.0	191.0	32.3	32.3	51.1	83.4	139.9	182.9	147.9	180.2	180.2
87.5°	228.6	188.3	35.0	40.3	51.1	48.4	107.6	156.0	126.4	134.5	134.5
90°	234.0	196.4	37.7	45.7	43.0	26.9	86.1	129.1	96.8	86.1	83.4
92.5°	250.1	199.0	45.7	53.8	40.3	21.5	72.6	104.9	69.9	56.5	53.8
95°	263.6	204.4	56.5	64.6	43.0	18.8	64.6	83.4	51.1	35.0	32.3
97.5°	220.6	158.7	64.6	69.9	43.0	18.8	56.5	67.2	40.3	18.8	18.8
100°	94.1	69.9	67.2	75.3	40.3	16.1	48.4	53.8	26.9	8.1	10.8
102.5°	18.8	21.5	59.2	69.9	32.3	10.8	32.3	32.3	18.8	2.7	5.4
105°	18.8	16.1	37.7	59.2	18.8	5.4	13.4	18.8	8.1	2.7	2.7
107.5°	18.8	18.8	13.4	29.6	8.1	5.4	5.4	8.1	5.4	2.7	2.7
110°	21.5	18.8	5.4	8.1	5.4	5.4	5.4	5.4	2.7	13.4	16.1

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CATALOG NUMBER: SDL-PA1-80-830-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.9	24.2	5.4	8.1	8.1	5.4	2.7	2.7	5.4	18.8	21.5
115°	24.2	21.5	8.1	8.1	5.4	5.4	2.7	2.7	5.4	21.5	24.2
117.5°	18.8	18.8	8.1	5.4	5.4	5.4	2.7	2.7	5.4	21.5	21.5
120°	21.5	18.8	8.1	5.4	2.7	2.7	2.7	2.7	5.4	16.1	16.1
122.5°	21.5	18.8	8.1	5.4	2.7	2.7	2.7	2.7	5.4	16.1	18.8
125°	18.8	16.1	8.1	5.4	2.7	2.7	2.7	2.7	8.1	16.1	16.1
127.5°	16.1	13.4	5.4	2.7	2.7	2.7	2.7	2.7	8.1	13.4	13.4
130°	10.8	10.8	5.4	2.7	2.7	2.7	2.7	2.7	8.1	10.8	10.8
132.5°	8.1	8.1	5.4	2.7	2.7	2.7	2.7	2.7	5.4	10.8	10.8
135°	8.1	5.4	5.4	2.7	2.7	2.7	2.7	2.7	5.4	8.1	8.1
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4
140°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
152.5°	2.7	2.7	5.4	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
155°	8.1	8.1	8.1	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.7	2.7	2.7	2.7	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)