

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: P561361

Luminaire Tested: **SDL-PA1-90-830-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-830-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5510.8 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 92.4
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

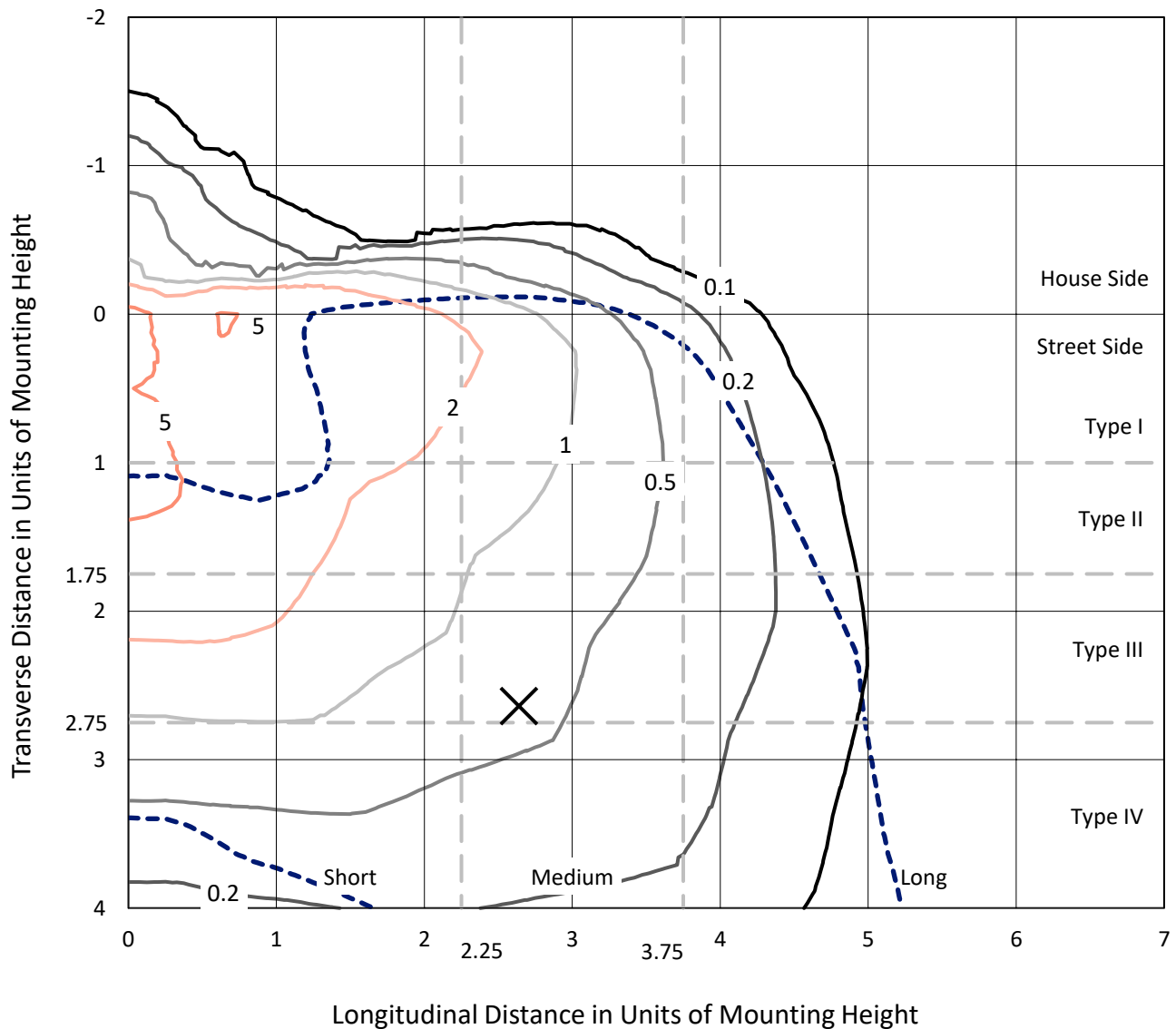


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

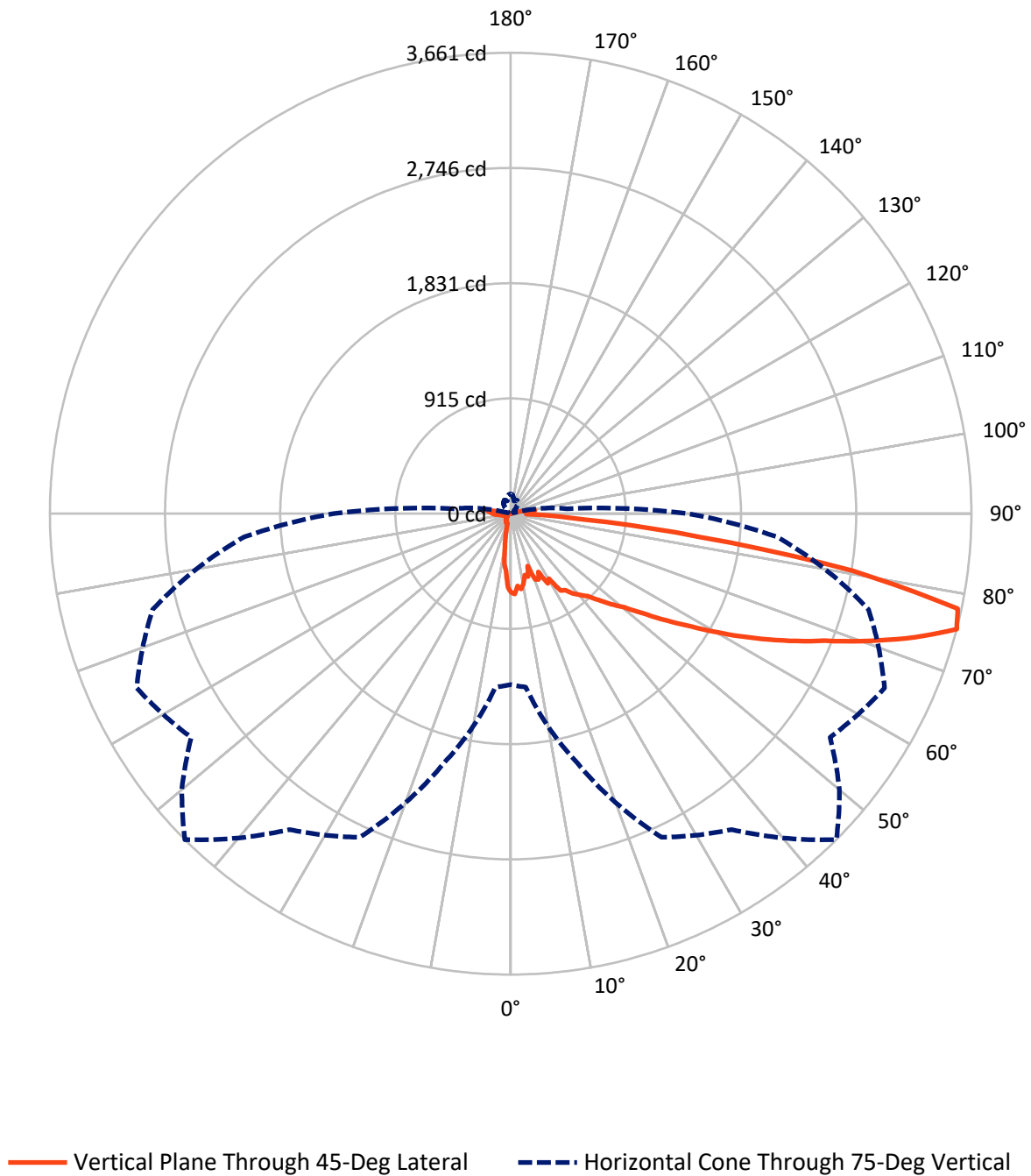


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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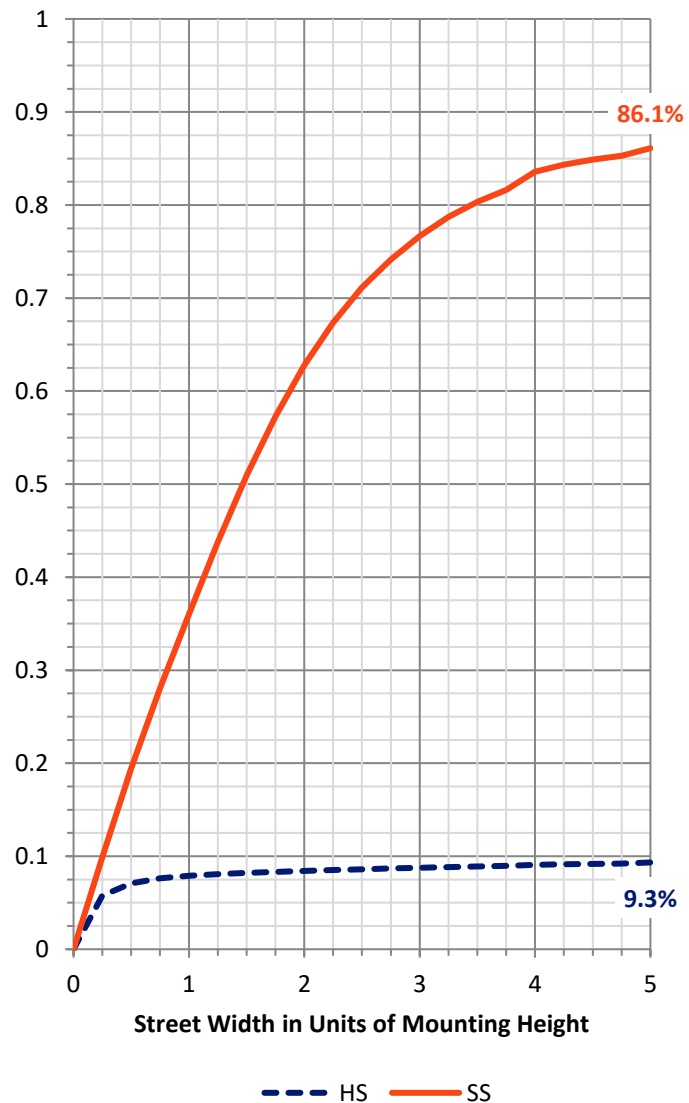
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	565.5	98.9	664.4
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4770.0	76.4	4846.4
	% Fixture	86.6	1.4	87.9
Total	Lumens	5335.5	175.3	5510.8
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	0.9
10°-20°	105.4	1.9
20°-30°	176.9	3.2
30°-40°	328.0	6.0
40°-50°	552.8	10.0
50°-60°	992.2	18.0
60°-70°	1489.8	27.0
70°-80°	1363.0	24.7
80°-90°	278.7	5.1
90°-100°	133.3	2.4
100°-110°	28.4	0.5
110°-120°	5.4	0.1
120°-130°	4.3	0.1
130°-140°	1.9	0.0
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5335.5	96.8
0°-180°	5510.8	100.0



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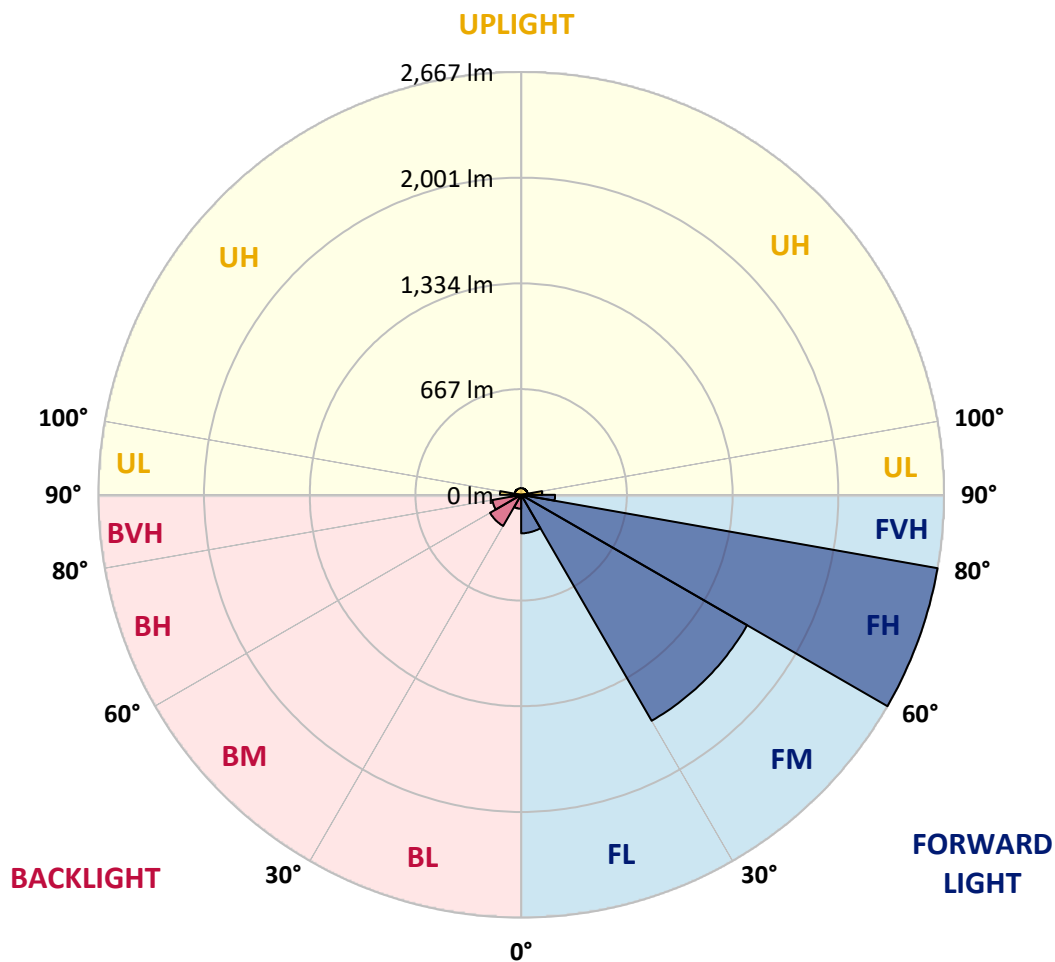
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.8	4.4			
FM	(30°-60°)	1646.1	29.9			
FH	(60°-80°)	2667.5	48.4			G2/5000
FVH	(80°-90°)	213.7	3.9			G2/225
BL	(0°-30°)	88.3	1.6	B0/110		
BM	(30°-60°)	226.9	4.1	B1/1000		
BH	(60°-80°)	185.3	3.4	B1/500		G1/500
BVH	(80°-90°)	65.0	1.2			G1/100
UL	(90°-100°)	133.3	2.4		U3/500	
UH	(100°-180°)	42.0	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9
2.5°	610.2	639.7	630.9	645.6	642.7	639.7	639.7	642.7	639.7	633.8	627.9
5°	622.0	613.2	607.3	604.3	592.5	577.8	571.9	566.0	627.9	627.9	616.1
7.5°	639.7	639.7	627.9	619.1	619.1	604.3	589.6	577.8	548.3	539.5	539.5
10°	681.0	675.1	666.2	648.6	560.1	563.1	530.6	465.8	436.3	448.1	465.8
12.5°	689.8	686.9	675.1	672.1	589.6	501.2	415.7	465.8	445.1	371.4	412.7
15°	739.9	734.0	710.5	669.2	504.1	518.8	483.5	415.7	398.0	454.0	486.4
17.5°	630.9	630.9	707.5	648.6	548.3	436.3	433.4	483.5	436.3	406.8	403.9
20°	775.3	775.3	742.9	530.6	563.1	557.2	448.1	507.1	427.5	483.5	515.9
22.5°	645.6	642.7	666.2	657.4	539.5	569.0	459.9	462.8	510.0	436.3	374.4
25°	787.1	787.1	769.4	571.9	613.2	512.9	524.7	554.2	454.0	551.3	557.2
27.5°	678.0	675.1	642.7	654.5	571.9	627.9	477.6	521.8	557.2	595.5	654.5
30°	828.4	834.3	819.5	622.0	636.8	598.4	569.0	604.3	675.1	793.0	831.3
32.5°	1023.0	1028.8	872.6	748.8	639.7	728.2	610.2	666.2	775.3	831.3	872.6
35°	1137.9	1093.7	1025.9	837.2	689.8	745.8	701.6	710.5	807.7	896.2	925.7
37.5°	1235.2	1176.2	1096.7	863.8	728.2	804.8	731.1	742.9	875.6	955.1	993.5
40°	1267.6	1232.3	1188.0	922.7	775.3	849.0	766.5	793.0	940.4	1031.8	1090.8
42.5°	1347.2	1350.2	1323.6	1005.3	825.4	896.2	825.4	843.1	1025.9	1137.9	1223.4
45°	1559.5	1565.4	1535.9	1146.8	887.3	978.7	919.8	928.6	1123.2	1300.1	1409.1
47.5°	1830.7	1810.1	1780.6	1335.4	981.7	1073.1	1028.8	1020.0	1238.2	1512.3	1609.6
50°	2104.9	2066.5	2004.6	1594.9	1143.8	1170.4	1140.9	1135.0	1376.7	1730.5	1836.6
52.5°	2390.8	2361.3	2231.6	1839.5	1385.6	1311.9	1279.4	1311.9	1556.5	1972.2	2069.5
55°	2541.2	2511.7	2429.1	2101.9	1618.4	1494.6	1438.6	1497.6	1833.6	2199.2	2326.0
57.5°	2665.0	2656.1	2617.8	2376.1	1901.5	1689.2	1633.2	1689.2	2054.7	2411.5	2561.8
60°	2841.9	2806.5	2841.9	2641.4	2175.6	1928.0	1851.3	1910.3	2326.0	2597.2	2821.2
62.5°	2968.6	2959.8	3030.5	2939.1	2405.6	2178.6	2066.5	2122.6	2564.7	2794.7	3077.7
65°	2833.0	2877.2	3160.2	3133.7	2665.0	2435.0	2317.1	2299.4	2759.3	3006.9	3351.9
67.5°	2591.3	2620.8	3033.5	3233.9	2892.0	2694.5	2553.0	2470.4	2939.1	3198.6	3570.0
70°	2361.3	2396.7	2774.1	3239.8	3001.1	3027.6	2830.1	2676.8	3119.0	3413.8	3617.2
72.5°	2178.6	2211.0	2550.0	3169.1	3039.4	3360.7	3133.7	2894.9	3292.9	3419.7	3160.2
75°	1359.0	1382.6	2051.8	2836.0	3063.0	3661.4	3410.8	3098.3	3278.2	2945.0	2125.5
77.5°	418.6	427.5	878.5	1872.0	2662.0	3631.9	3363.7	2912.6	2747.5	1869.0	969.9
80°	144.5	147.4	227.0	666.2	1591.9	2756.4	2564.7	2143.2	1642.0	689.8	365.6
82.5°	67.8	73.7	106.1	224.0	648.6	1506.4	1515.3	1273.5	689.8	306.6	247.6
85°	23.6	23.6	44.2	97.3	250.6	580.8	551.3	512.9	362.6	277.1	229.9
87.5°	8.8	8.8	14.7	26.5	61.9	123.8	156.2	191.6	191.6	194.6	232.9
90°	8.8	8.8	5.9	5.9	44.2	129.7	156.2	173.9	159.2	176.9	253.5
92.5°	8.8	8.8	5.9	5.9	47.2	150.3	173.9	188.7	168.0	188.7	280.1
95°	8.8	8.8	5.9	5.9	53.1	182.8	203.4	200.5	168.0	197.5	300.7
97.5°	11.8	11.8	5.9	2.9	47.2	194.6	218.2	212.3	144.5	150.3	235.8
100°	11.8	11.8	5.9	2.9	29.5	144.5	173.9	171.0	94.3	23.6	67.8
102.5°	11.8	11.8	5.9	2.9	5.9	67.8	82.5	85.5	56.0	8.8	11.8
105°	14.7	14.7	5.9	2.9	2.9	11.8	26.5	35.4	20.6	5.9	11.8
107.5°	14.7	14.7	5.9	2.9	2.9	5.9	5.9	8.8	8.8	5.9	14.7
110°	14.7	14.7	5.9	5.9	2.9	2.9	2.9	2.9	5.9	5.9	14.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	11.8	11.8	2.9	5.9	2.9	2.9	2.9	2.9	2.9	5.9	14.7
115°	5.9	5.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	5.9	11.8
117.5°	2.9	2.9	0.0	2.9	0.0	2.9	2.9	2.9	5.9	5.9	14.7
120°	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9	2.9	8.8	17.7
122.5°	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9	2.9	8.8	17.7
125°	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9	2.9	8.8	17.7
127.5°	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9	2.9	8.8	14.7
130°	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9	2.9	5.9	11.8
132.5°	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9	2.9	5.9	8.8
135°	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	5.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
145°	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	8.8	8.8	5.9	2.9	0.0	0.0	2.9	2.9	2.9	2.9	2.9
152.5°	5.9	5.9	8.8	2.9	0.0	0.0	2.9	2.9	5.9	2.9	2.9
155°	5.9	5.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9	5.9	5.9
157.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
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°	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9
2.5°	622.0	619.1	610.2	604.3	595.5	586.6	542.4	515.9	512.9	510.0	512.9
5°	610.2	601.4	586.6	518.8	486.4	456.9	448.1	442.2	427.5	427.5	430.4
7.5°	527.7	521.8	474.6	454.0	427.5	400.9	377.3	359.7	315.4	300.7	294.8
10°	462.8	451.0	368.5	327.2	300.7	271.2	271.2	247.6	235.8	227.0	224.0
12.5°	400.9	392.1	324.3	297.7	224.0	194.6	179.8	165.1	156.2	150.3	147.4
15°	468.7	454.0	347.9	238.8	165.1	138.6	109.1	106.1	132.7	138.6	141.5
17.5°	374.4	383.2	309.5	209.3	135.6	85.5	94.3	112.0	126.8	126.8	123.8
20°	498.2	477.6	336.1	168.0	97.3	85.5	91.4	82.5	117.9	126.8	126.8
22.5°	362.6	344.9	277.1	156.2	76.6	82.5	76.6	97.3	109.1	97.3	100.2
25°	539.5	512.9	321.3	109.1	79.6	70.8	88.4	76.6	106.1	115.0	117.9
27.5°	669.2	580.8	315.4	103.2	70.8	79.6	73.7	88.4	85.5	91.4	91.4
30°	798.9	748.8	356.7	94.3	70.8	67.8	76.6	76.6	97.3	106.1	106.1
32.5°	854.9	796.0	312.5	91.4	70.8	67.8	67.8	82.5	91.4	109.1	109.1
35°	913.9	834.3	262.4	85.5	67.8	64.9	64.9	82.5	97.3	109.1	112.0
37.5°	993.5	875.6	212.3	82.5	64.9	61.9	56.0	73.7	103.2	115.0	117.9
40°	1093.7	934.5	165.1	76.6	59.0	56.0	53.1	73.7	88.4	103.2	103.2
42.5°	1249.9	999.4	129.7	73.7	56.0	50.1	50.1	61.9	85.5	97.3	97.3
45°	1409.1	1076.0	109.1	70.8	53.1	47.2	47.2	61.9	64.9	82.5	82.5
47.5°	1586.0	1152.7	100.2	67.8	53.1	41.3	41.3	56.0	56.0	76.6	79.6
50°	1768.8	1217.5	94.3	64.9	47.2	38.3	47.2	38.3	47.2	73.7	79.6
52.5°	1928.0	1270.6	88.4	59.0	44.2	35.4	44.2	38.3	47.2	67.8	67.8
55°	2090.1	1300.1	85.5	56.0	41.3	29.5	44.2	41.3	44.2	61.9	61.9
57.5°	2234.6	1308.9	82.5	56.0	35.4	26.5	41.3	50.1	38.3	50.1	56.0
60°	2364.3	1300.1	73.7	50.1	26.5	26.5	44.2	59.0	53.1	59.0	59.0
62.5°	2485.2	1267.6	59.0	41.3	20.6	26.5	56.0	64.9	50.1	61.9	67.8
65°	2588.3	1223.4	44.2	32.4	14.7	29.5	59.0	73.7	59.0	70.8	76.6
67.5°	2635.5	1164.5	35.4	26.5	14.7	32.4	61.9	82.5	67.8	79.6	85.5
70°	2555.9	1043.6	29.5	26.5	11.8	38.3	64.9	88.4	76.6	100.2	103.2
72.5°	2122.6	819.5	26.5	26.5	20.6	47.2	82.5	100.2	94.3	135.6	132.7
75°	1406.2	448.1	26.5	23.6	26.5	56.0	100.2	117.9	103.2	153.3	153.3
77.5°	648.6	197.5	23.6	26.5	29.5	61.9	115.0	141.5	117.9	173.9	171.0
80°	283.0	120.9	23.6	23.6	32.4	67.8	129.7	159.2	129.7	191.6	191.6
82.5°	212.3	109.1	20.6	23.6	44.2	76.6	150.3	176.9	144.5	206.4	203.4
85°	197.5	103.2	23.6	26.5	50.1	97.3	176.9	191.6	150.3	212.3	212.3
87.5°	200.5	100.2	23.6	26.5	67.8	123.8	200.5	206.4	165.1	224.0	224.0
90°	206.4	103.2	26.5	29.5	76.6	135.6	224.0	221.1	185.7	235.8	235.8
92.5°	221.1	103.2	29.5	32.4	82.5	150.3	244.7	227.0	200.5	244.7	238.8
95°	229.9	103.2	32.4	35.4	97.3	165.1	259.4	221.1	212.3	227.0	221.1
97.5°	171.0	76.6	38.3	41.3	100.2	185.7	238.8	188.7	138.6	135.6	138.6
100°	56.0	26.5	41.3	44.2	64.9	129.7	176.9	135.6	73.7	56.0	56.0
102.5°	14.7	14.7	38.3	41.3	35.4	56.0	103.2	88.4	50.1	2.9	5.9
105°	14.7	11.8	23.6	32.4	20.6	14.7	41.3	50.1	38.3	2.9	2.9
107.5°	14.7	11.8	11.8	17.7	5.9	5.9	11.8	11.8	11.8	2.9	2.9
110°	14.7	11.8	5.9	5.9	5.9	5.9	5.9	2.9	2.9	5.9	5.9

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CATALOG NUMBER: SDL-PA1-90-830-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.7	11.8	5.9	5.9	5.9	2.9	2.9	2.9	2.9	8.8	11.8
115°	14.7	11.8	2.9	5.9	2.9	2.9	2.9	2.9	5.9	11.8	14.7
117.5°	14.7	11.8	2.9	2.9	2.9	2.9	2.9	2.9	5.9	14.7	17.7
120°	17.7	14.7	2.9	2.9	2.9	2.9	2.9	2.9	5.9	17.7	17.7
122.5°	17.7	14.7	2.9	2.9	2.9	2.9	0.0	2.9	8.8	17.7	17.7
125°	17.7	14.7	2.9	2.9	2.9	0.0	0.0	2.9	8.8	17.7	20.6
127.5°	14.7	11.8	2.9	2.9	2.9	0.0	0.0	2.9	5.9	14.7	17.7
130°	11.8	8.8	2.9	2.9	2.9	0.0	0.0	0.0	5.9	14.7	14.7
132.5°	8.8	5.9	2.9	2.9	2.9	0.0	0.0	0.0	5.9	11.8	11.8
135°	5.9	5.9	2.9	2.9	2.9	0.0	0.0	0.0	2.9	8.8	8.8
137.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	2.9	2.9	2.9
140°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	5.9	5.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	0.0	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)