

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: P559937

Luminaire Tested: **SDL-PA1-100-830-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
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-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6439.4 lumens
Efficiency: N/A
Efficacy: 68.7 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 - G3

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

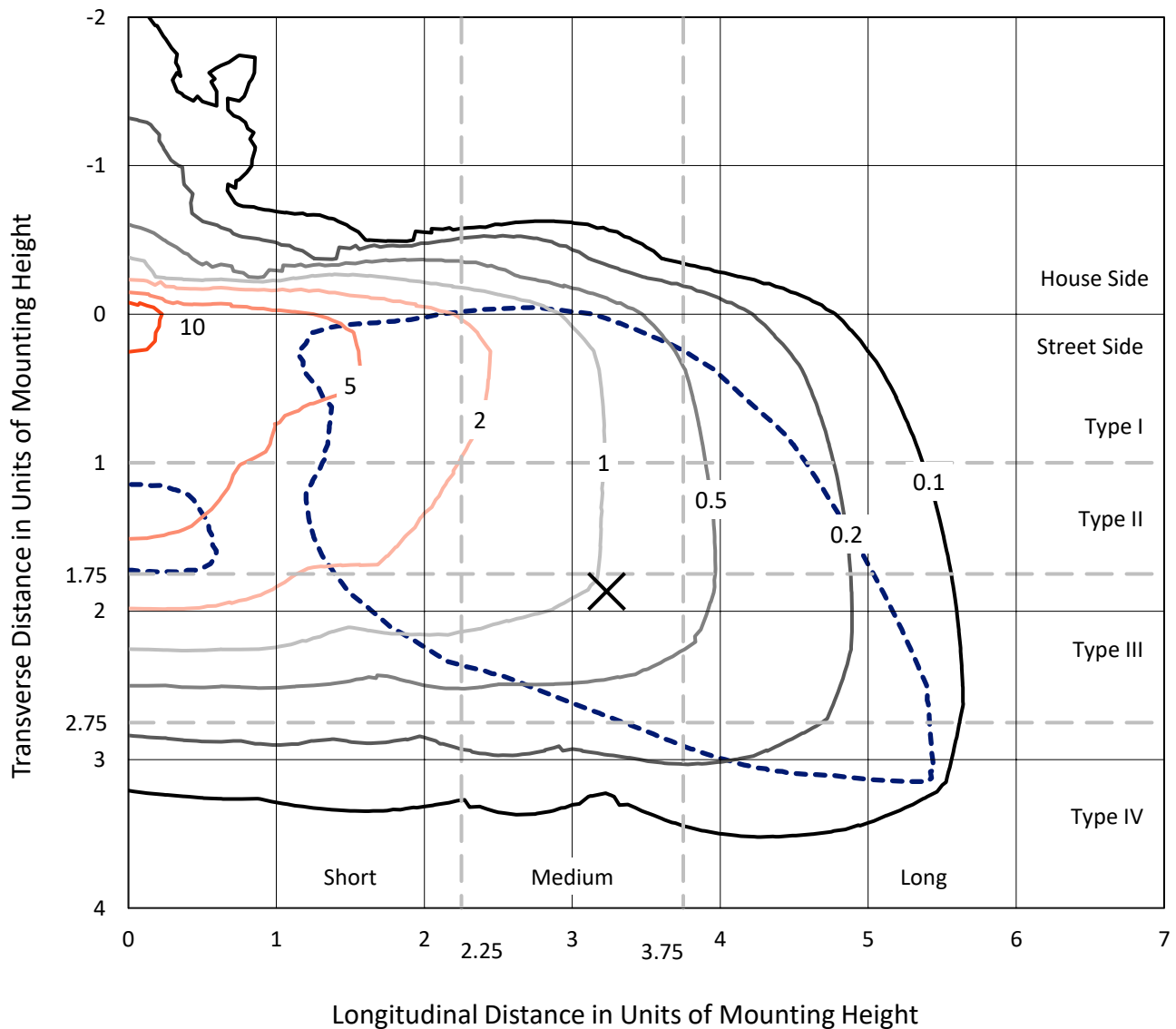


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

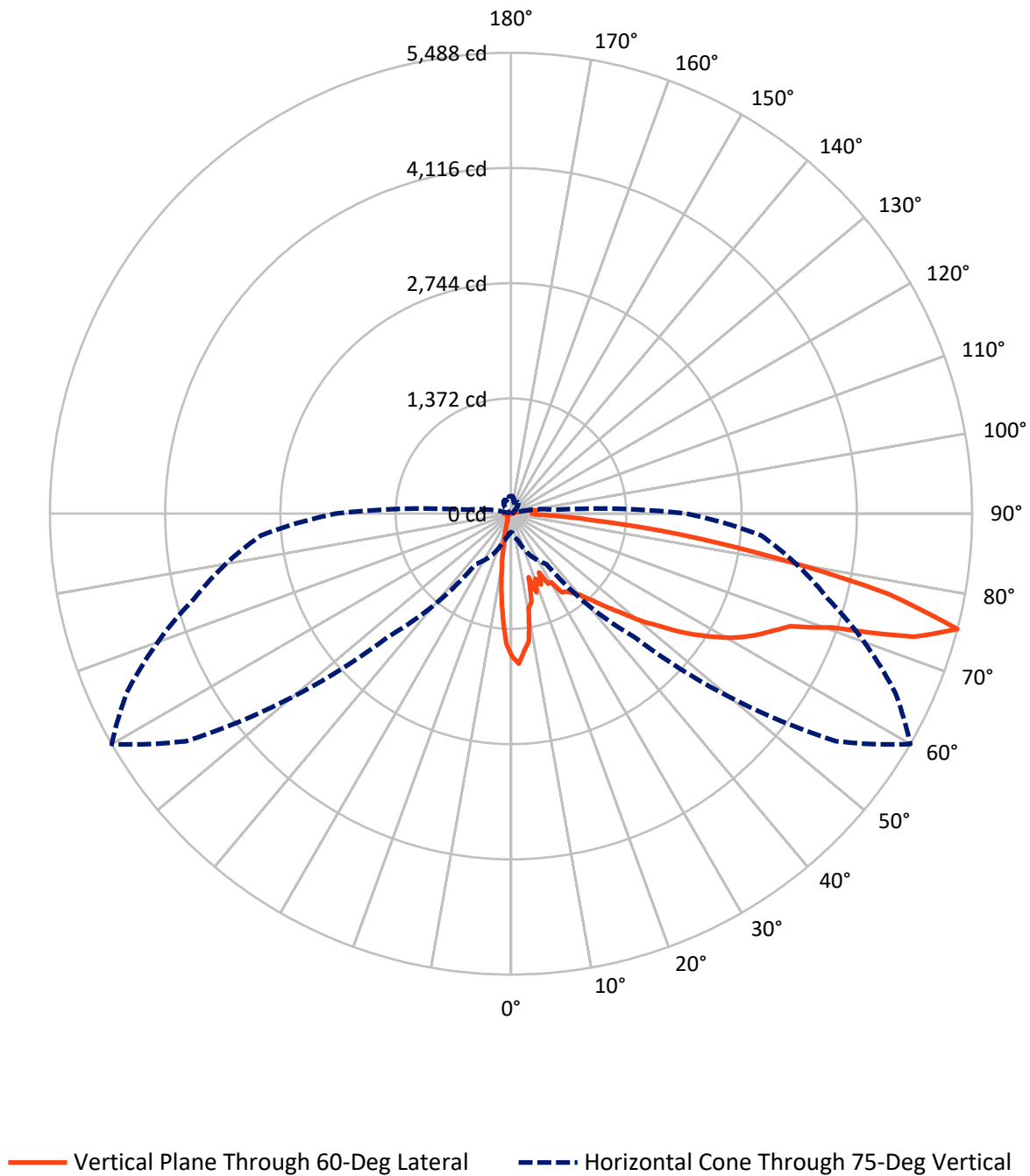


Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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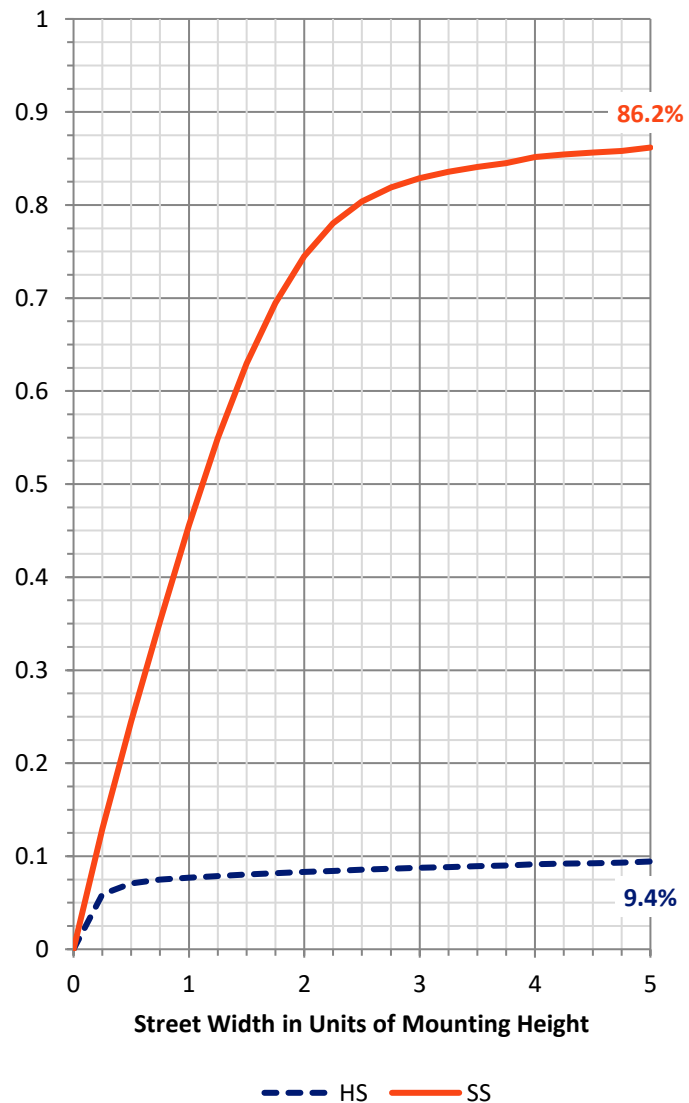
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	665.5	86.8	752.3
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	5596.4	90.8	5687.2
	% Fixture	86.9	1.4	88.3
Total	Lumens	6261.9	177.5	6439.4
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	1.8
10°-20°	193.7	3.0
20°-30°	273.9	4.3
30°-40°	492.3	7.6
40°-50°	829.5	12.9
50°-60°	1290.2	20.0
60°-70°	1522.5	23.6
70°-80°	1235.0	19.2
80°-90°	306.6	4.8
90°-100°	123.8	1.9
100°-110°	28.7	0.4
110°-120°	9.0	0.1
120°-130°	8.0	0.1
130°-140°	4.3	0.1
140°-150°	2.1	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6261.9	97.2
0°-180°	6439.4	100.0

Coefficient of Utilization



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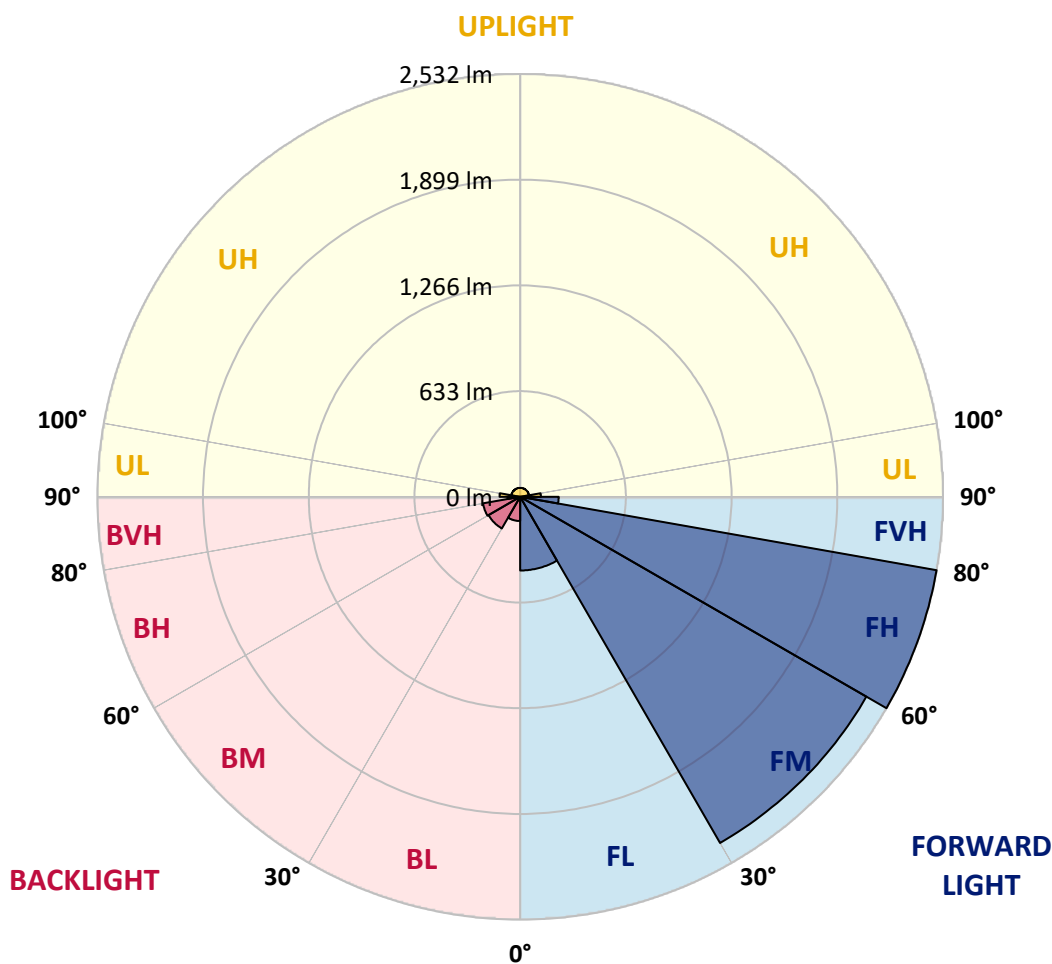
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	441.1	6.8			
FM	(30°-60°)	2393.2	37.2			
FH	(60°-80°)	2531.6	39.3			G2/5000
FVH	(80°-90°)	230.5	3.6			G3/500
BL	(0°-30°)	144.7	2.2	B1/500		
BM	(30°-60°)	218.7	3.4	B0/220		
BH	(60°-80°)	225.9	3.5	B1/500		G1/500
BVH	(80°-90°)	76.1	1.2			G1/100
UL	(90°-100°)	123.8	1.9		U3/500	
UH	(100°-180°)	53.8	0.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2
2.5°	1601.0	1723.0	1687.3	1800.4	1815.3	1809.3	1803.4	1788.5	1773.6	1746.8	1705.2
5°	1535.5	1547.4	1538.5	1559.3	1562.3	1571.3	1556.4	1639.7	1779.6	1743.8	1678.4
7.5°	1261.8	1386.7	1401.6	1440.3	1476.0	1511.7	1532.6	1529.6	1351.0	1517.7	1443.3
10°	1288.5	1306.4	1303.4	1330.2	1300.4	1249.9	1139.8	1142.7	1142.7	1178.4	1217.1
12.5°	1020.7	1074.3	1205.2	1246.9	1157.6	1053.5	1062.4	1083.2	1098.1	931.4	1026.7
15°	1157.6	1160.6	1163.6	1163.6	871.9	996.9	868.9	785.6	898.7	1101.1	1118.9
17.5°	907.6	898.7	1047.5	1035.6	961.2	741.0	964.2	985.0	946.3	925.5	931.4
20°	1065.4	1065.4	1056.4	842.2	886.8	955.2	827.3	824.3	871.9	1083.2	1095.1
22.5°	863.0	854.1	901.7	937.4	842.2	910.6	815.4	916.6	1014.8	958.2	782.6
25°	1080.2	1080.2	1044.5	812.4	871.9	782.6	904.7	776.7	863.0	1172.5	1115.9
27.5°	999.9	973.1	889.8	922.5	782.6	910.6	833.2	943.3	996.9	1214.1	1300.4
30°	1291.5	1282.6	1187.4	928.5	889.8	836.2	895.7	949.3	1148.7	1574.2	1502.8
32.5°	1723.0	1675.4	1351.0	1148.7	934.4	991.0	955.2	1115.9	1261.8	1609.9	1523.6
35°	1839.1	1803.4	1648.6	1395.7	1047.5	1047.5	1026.7	1139.8	1294.5	1687.3	1568.3
37.5°	1877.8	1874.8	1821.2	1526.6	1202.2	1205.2	1086.2	1196.3	1360.0	1791.5	1633.7
40°	1901.6	1907.5	1961.1	1663.5	1365.9	1360.0	1196.3	1276.6	1461.1	1904.5	1752.8
42.5°	2002.7	2035.5	2101.0	1815.3	1520.7	1523.6	1330.2	1404.6	1595.1	2092.0	1916.4
45°	2228.9	2237.8	2276.5	2023.6	1666.5	1687.3	1499.8	1577.2	1758.7	2297.4	2101.0
47.5°	2571.1	2571.1	2505.7	2187.3	1839.1	1868.8	1678.4	1758.7	1952.2	2597.9	2315.2
50°	2874.7	2850.9	2708.0	2380.7	1978.9	2044.4	1913.5	2005.7	2115.8	2827.1	2583.0
52.5°	3065.1	3056.2	2880.6	2511.6	2127.7	2237.8	2106.9	2225.9	2306.3	3065.1	2824.1
55°	3038.3	3038.3	2925.3	2580.1	2264.6	2413.4	2356.9	2505.7	2535.4	3291.3	2999.7
57.5°	2937.2	2952.0	2898.5	2606.8	2291.4	2580.1	2612.8	2752.7	2803.3	3422.2	3109.8
60°	2731.8	2761.6	2818.1	2642.6	2395.6	2767.5	2874.7	2999.7	3094.9	3520.4	3202.0
62.5°	2347.9	2386.6	2586.0	2639.6	2475.9	2961.0	3097.9	3208.0	3297.2	3574.0	3267.5
65°	1779.6	1851.0	2139.6	2449.1	2470.0	3187.1	3279.4	3386.5	3472.8	3627.6	3437.1
67.5°	1136.8	1139.8	1452.2	2023.6	2303.3	3505.6	3523.4	3577.0	3633.5	3776.4	3678.2
70°	586.2	616.0	764.8	1291.5	1886.7	3571.0	4133.5	4056.1	3969.8	4100.7	3990.6
72.5°	389.8	422.6	502.9	696.3	1184.4	3219.9	4797.1	5011.3	4630.4	4341.8	3716.8
75°	220.2	238.1	336.3	550.5	732.1	2080.1	4722.7	5487.5	5047.0	3901.3	2987.8
77.5°	98.2	104.2	151.8	431.5	627.9	1014.8	3716.8	4585.8	4410.2	3252.6	2154.5
80°	53.6	53.6	71.4	199.4	532.7	764.8	2467.0	3193.1	2999.7	1961.1	979.1
82.5°	29.8	32.7	41.7	95.2	324.4	699.3	1559.3	2002.7	1583.2	538.6	395.8
85°	11.9	11.9	17.9	50.6	119.0	592.2	854.1	952.3	639.8	273.8	306.5
87.5°	6.0	6.0	6.0	17.9	38.7	151.8	279.7	300.6	235.1	217.2	264.9
90°	8.9	8.9	6.0	6.0	26.8	160.7	235.1	247.0	193.4	217.2	267.8
92.5°	11.9	8.9	6.0	6.0	20.8	160.7	267.8	264.9	193.4	217.2	276.8
95°	14.9	11.9	6.0	6.0	20.8	142.8	321.4	288.7	208.3	220.2	291.6
97.5°	14.9	14.9	6.0	6.0	20.8	110.1	339.2	291.6	181.5	142.8	199.4
100°	17.9	17.9	6.0	6.0	23.8	65.5	235.1	217.2	128.0	47.6	56.5
102.5°	20.8	20.8	6.0	6.0	14.9	32.7	113.1	110.1	71.4	11.9	20.8
105°	20.8	23.8	6.0	6.0	6.0	14.9	41.7	50.6	35.7	11.9	20.8
107.5°	23.8	26.8	6.0	6.0	6.0	8.9	17.9	17.9	11.9	11.9	20.8
110°	23.8	23.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	11.9	20.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	17.9	17.9	3.0	6.0	6.0	6.0	3.0	6.0	6.0	8.9	17.9
115°	8.9	6.0	3.0	6.0	3.0	6.0	3.0	6.0	8.9	8.9	20.8
117.5°	3.0	3.0	3.0	3.0	3.0	6.0	3.0	6.0	6.0	14.9	26.8
120°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	20.8	32.7
122.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	20.8	38.7
125°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	14.9	35.7
127.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	14.9	29.8
130°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	11.9	26.8
132.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	11.9	20.8
135°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	14.9
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0
140°	3.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	11.9	11.9	11.9	8.9	6.0	3.0	8.9	6.0	3.0	3.0	3.0
152.5°	8.9	8.9	14.9	6.0	3.0	3.0	3.0	8.9	8.9	3.0	3.0
155°	8.9	8.9	6.0	3.0	3.0	3.0	3.0	3.0	3.0	8.9	11.9
157.5°	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	6.0	3.0
160°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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°	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2
2.5°	1690.3	1672.4	1624.8	1580.2	1526.6	1493.9	1380.8	1252.8	1226.1	1220.1	1199.3
5°	1648.6	1609.9	1517.7	1321.3	1124.9	1035.6	993.9	961.2	916.6	907.6	895.7
7.5°	1398.7	1333.2	1190.3	949.3	919.5	836.2	767.8	711.2	589.2	556.5	538.6
10°	1163.6	1107.0	812.4	690.4	627.9	565.4	491.0	434.5	383.9	360.1	351.2
12.5°	940.4	883.8	607.1	547.6	389.8	321.4	279.7	232.1	193.4	172.6	172.6
15°	1041.5	949.3	627.9	389.8	255.9	190.5	139.9	125.0	145.8	148.8	148.8
17.5°	851.1	758.8	494.0	303.5	187.5	104.2	113.1	128.0	139.9	122.0	125.0
20°	979.1	851.1	497.0	229.1	119.0	101.2	104.2	95.2	128.0	130.9	130.9
22.5°	741.0	669.6	375.0	181.5	92.3	95.2	89.3	107.1	119.0	104.2	101.2
25°	958.2	788.6	380.9	116.1	92.3	77.4	92.3	83.3	110.1	113.1	113.1
27.5°	1098.1	883.8	333.3	101.2	77.4	83.3	74.4	86.3	83.3	83.3	83.3
30°	1246.9	964.2	324.4	98.2	74.4	68.4	71.4	68.4	80.3	83.3	83.3
32.5°	1246.9	922.5	247.0	98.2	71.4	65.5	56.5	62.5	65.5	71.4	74.4
35°	1255.8	886.8	181.5	89.3	65.5	56.5	50.6	50.6	56.5	59.5	59.5
37.5°	1282.6	863.0	139.9	83.3	59.5	50.6	41.7	44.6	77.4	86.3	86.3
40°	1357.0	863.0	119.0	77.4	53.6	44.6	35.7	56.5	65.5	77.4	77.4
42.5°	1473.0	874.9	113.1	74.4	47.6	38.7	29.8	44.6	80.3	92.3	95.2
45°	1595.1	898.7	107.1	71.4	44.6	32.7	35.7	53.6	62.5	83.3	83.3
47.5°	1764.7	949.3	104.2	68.4	41.7	26.8	32.7	53.6	68.4	89.3	89.3
50°	1949.2	1002.9	98.2	65.5	35.7	23.8	50.6	44.6	56.5	92.3	92.3
52.5°	2139.6	1065.4	95.2	62.5	32.7	32.7	56.5	53.6	68.4	89.3	92.3
55°	2306.3	1115.9	89.3	62.5	29.8	29.8	59.5	53.6	62.5	83.3	86.3
57.5°	2386.6	1124.9	86.3	59.5	26.8	29.8	56.5	65.5	56.5	68.4	74.4
60°	2487.8	1148.7	77.4	53.6	23.8	38.7	65.5	86.3	77.4	89.3	95.2
62.5°	2583.0	1166.5	68.4	47.6	20.8	41.7	86.3	104.2	83.3	104.2	116.1
65°	2758.6	1205.2	56.5	38.7	17.9	47.6	98.2	125.0	92.3	122.0	122.0
67.5°	3002.6	1267.7	44.6	32.7	17.9	53.6	101.2	142.8	110.1	133.9	130.9
70°	3097.9	1166.5	38.7	29.8	17.9	62.5	110.1	154.7	116.1	148.8	148.8
72.5°	2702.1	842.2	32.7	29.8	29.8	71.4	136.9	169.6	128.0	187.5	184.5
75°	2086.1	529.7	32.7	29.8	35.7	89.3	154.7	181.5	136.9	208.3	205.3
77.5°	1389.7	250.0	32.7	32.7	41.7	98.2	166.6	193.4	151.8	232.1	229.1
80°	544.6	136.9	35.7	35.7	50.6	104.2	178.6	199.4	157.7	250.0	247.0
82.5°	261.9	95.2	35.7	35.7	68.4	116.1	190.5	208.3	163.7	252.9	250.0
85°	223.2	89.3	32.7	38.7	83.3	145.8	202.4	205.3	166.6	241.0	241.0
87.5°	199.4	86.3	32.7	38.7	113.1	169.6	211.3	202.4	178.6	235.1	235.1
90°	205.3	92.3	35.7	44.6	128.0	172.6	214.3	202.4	172.6	217.2	217.2
92.5°	220.2	98.2	38.7	47.6	128.0	160.7	199.4	181.5	160.7	184.5	181.5
95°	232.1	104.2	41.7	53.6	113.1	125.0	166.6	145.8	133.9	142.8	142.8
97.5°	178.6	80.3	47.6	59.5	86.3	74.4	104.2	95.2	71.4	59.5	59.5
100°	47.6	26.8	50.6	59.5	59.5	50.6	77.4	71.4	47.6	20.8	20.8
102.5°	17.9	17.9	47.6	56.5	47.6	38.7	56.5	53.6	38.7	6.0	6.0
105°	17.9	14.9	29.8	44.6	29.8	20.8	29.8	35.7	23.8	6.0	6.0
107.5°	17.9	14.9	17.9	26.8	11.9	8.9	11.9	11.9	11.9	3.0	6.0
110°	17.9	14.9	8.9	11.9	8.9	8.9	8.9	6.0	6.0	11.9	11.9

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CATALOG NUMBER: SDL-PA1-100-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.9	14.9	8.9	11.9	8.9	8.9	6.0	6.0	8.9	17.9	17.9
115°	17.9	14.9	8.9	8.9	6.0	8.9	6.0	3.0	8.9	20.8	23.8
117.5°	23.8	14.9	6.0	6.0	6.0	6.0	6.0	3.0	8.9	26.8	29.8
120°	29.8	17.9	6.0	6.0	6.0	3.0	6.0	3.0	11.9	26.8	29.8
122.5°	32.7	20.8	6.0	6.0	6.0	3.0	3.0	6.0	11.9	26.8	26.8
125°	32.7	20.8	6.0	6.0	3.0	3.0	3.0	3.0	11.9	26.8	29.8
127.5°	26.8	17.9	6.0	6.0	3.0	3.0	3.0	3.0	11.9	23.8	26.8
130°	23.8	17.9	6.0	6.0	3.0	3.0	3.0	3.0	11.9	20.8	23.8
132.5°	17.9	14.9	6.0	3.0	3.0	3.0	3.0	3.0	11.9	17.9	20.8
135°	14.9	8.9	6.0	3.0	3.0	3.0	3.0	3.0	8.9	17.9	17.9
137.5°	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	8.9	8.9
140°	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0
142.5°	3.0	6.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
145°	3.0	6.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
147.5°	3.0	6.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
150°	3.0	6.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	6.0
152.5°	3.0	6.0	3.0	3.0	3.0	0.0	0.0	3.0	3.0	3.0	3.0
155°	11.9	8.9	6.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0	3.0
157.5°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0	3.0
160°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0	3.0
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)