

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: P559936

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
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-A
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7629.6 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - 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

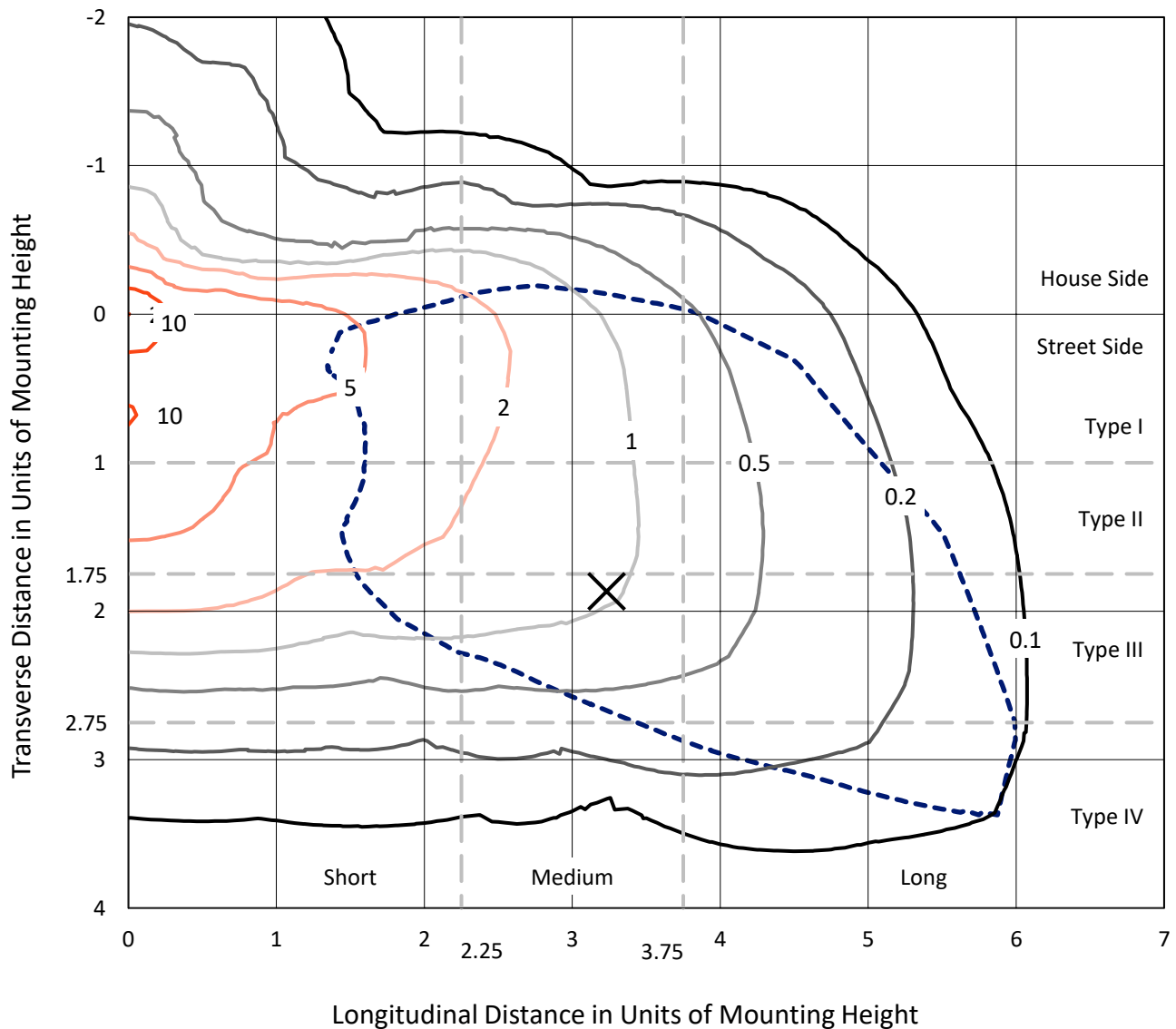


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

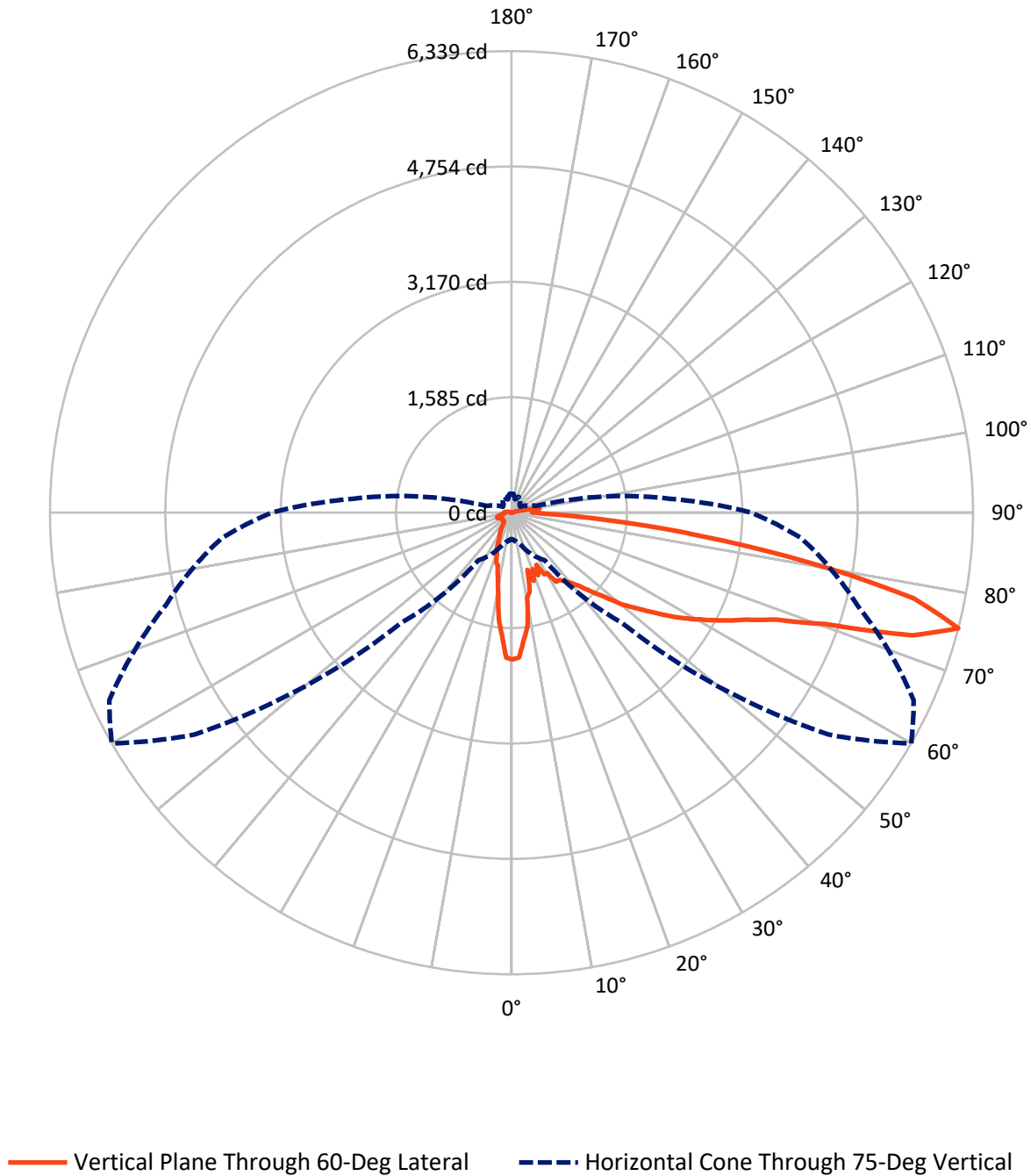


Based on 10 foot mounting height. Maximum calculated value = 20.1 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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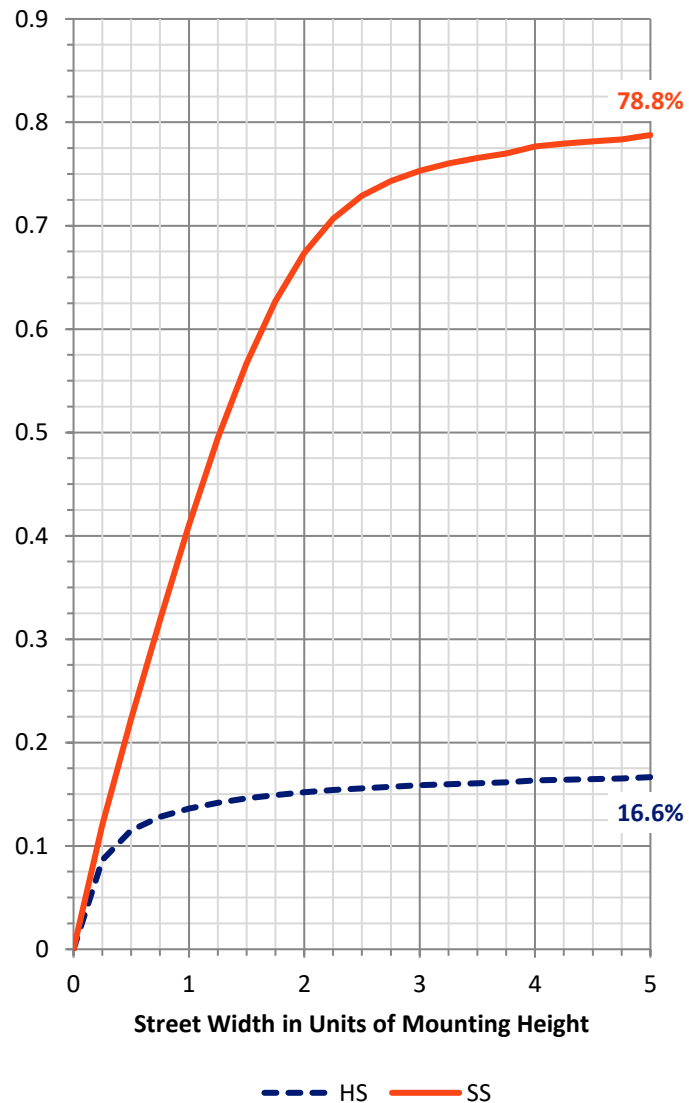
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1339.4	101.6	1441.0
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	6081.2	107.4	6188.7
	% Fixture	79.7	1.4	81.1
Total	Lumens	7420.6	209.0	7629.6
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.2	1.9
10°-20°	263.9	3.5
20°-30°	341.9	4.5
30°-40°	569.9	7.5
40°-50°	912.4	12.0
50°-60°	1400.8	18.4
60°-70°	1750.3	22.9
70°-80°	1596.4	20.9
80°-90°	436.8	5.7
90°-100°	146.7	1.9
100°-110°	33.3	0.4
110°-120°	10.6	0.1
120°-130°	9.9	0.1
130°-140°	4.7	0.1
140°-150°	2.0	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7420.6	97.3
0°-180°	7629.6	100.0

Coefficient of Utilization



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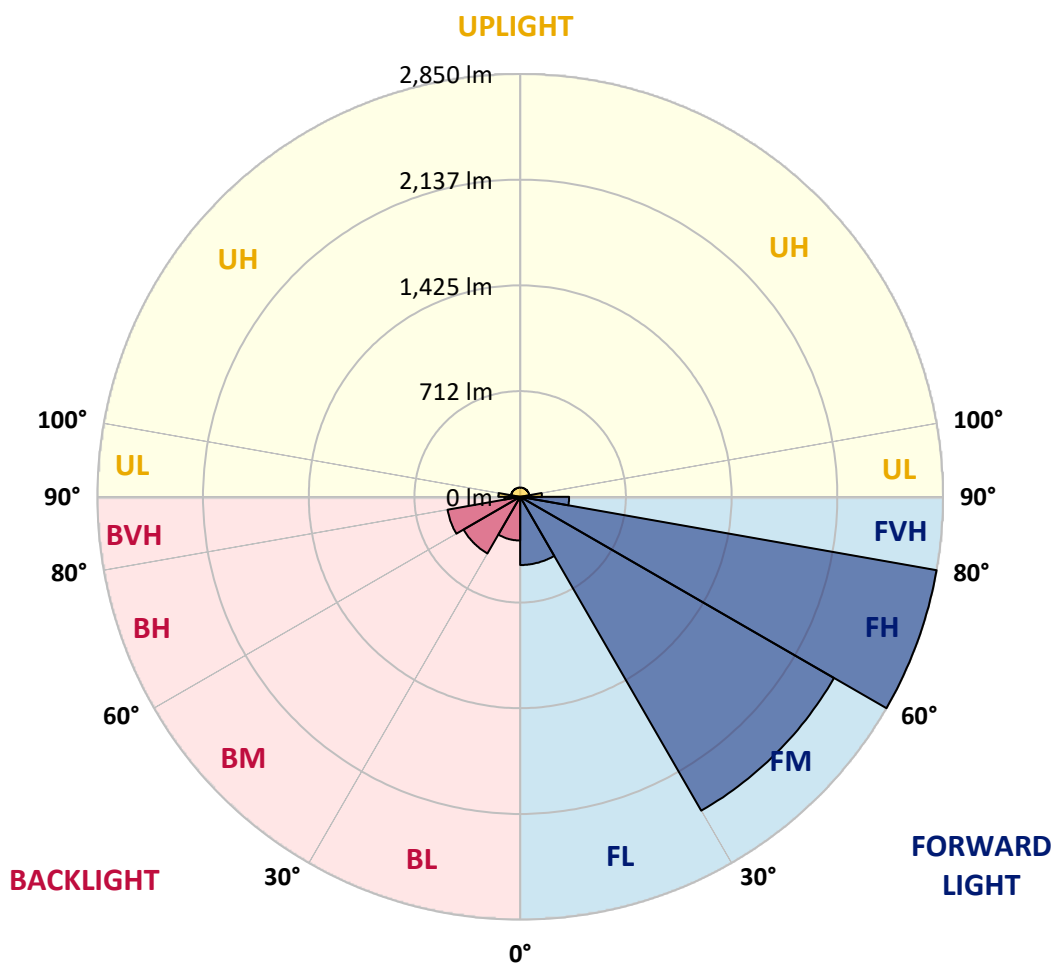
CATALOG NUMBER: SDL-PA1-100-830-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	459.6	6.0			
FM	(30°-60°)	2442.3	32.0			
FH	(60°-80°)	2849.7	37.4			G2/5000
FVH	(80°-90°)	329.6	4.3			G3/500
BL	(0°-30°)	294.5	3.9	B1/500		
BM	(30°-60°)	440.8	5.8	B1/1000		
BH	(60°-80°)	497.0	6.5	B1/500		G1/500
BVH	(80°-90°)	107.2	1.4			G2/225
UL	(90°-100°)	146.7	1.9		U3/500	
UH	(100°-180°)	62.3	0.8		U3/500	

BUG Rating: B1-U3-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9
2.5°	1690.5	1848.2	1833.3	1955.3	1955.3	1982.1	1994.0	1991.1	2003.0	2014.9	2011.9
5°	1556.5	1559.5	1571.4	1598.2	1607.1	1616.1	1645.8	1750.0	1925.6	1967.2	1967.2
7.5°	1285.7	1357.1	1446.4	1461.3	1514.9	1541.7	1574.4	1580.3	1461.3	1675.6	1696.4
10°	1303.6	1306.5	1300.6	1333.3	1294.6	1279.7	1175.6	1181.5	1193.4	1273.8	1434.5
12.5°	1020.8	1080.3	1208.3	1267.8	1172.6	1068.4	1062.5	1113.1	1133.9	1014.9	1264.9
15°	1166.7	1172.6	1175.6	1178.6	875.0	1014.9	886.9	815.5	913.7	1151.8	1309.5
17.5°	913.7	919.6	1059.5	1056.5	964.3	779.8	964.3	985.1	946.4	979.2	1095.2
20°	1071.4	1074.4	1065.5	827.4	845.2	955.3	830.3	827.4	875.0	1128.0	1273.8
22.5°	880.9	869.0	866.1	946.4	860.1	919.6	806.5	934.5	1014.9	1005.9	961.3
25°	1104.2	1101.2	1056.5	824.4	880.9	779.8	943.4	791.7	878.0	1217.2	1273.8
27.5°	1032.7	991.1	916.7	952.4	821.4	913.7	839.3	958.3	1011.9	1250.0	1476.2
30°	1336.3	1306.5	1220.2	961.3	907.7	842.3	898.8	961.3	1151.8	1610.1	1687.5
32.5°	1764.9	1732.1	1422.6	1178.6	952.4	997.0	946.4	1128.0	1270.8	1642.8	1702.4
35°	1895.8	1851.2	1699.4	1428.6	1092.3	1059.5	1008.9	1136.9	1288.7	1729.1	1729.1
37.5°	1970.2	1967.2	1895.8	1577.4	1232.1	1214.3	1086.3	1193.4	1360.1	1812.5	1794.6
40°	1982.1	1997.0	2029.7	1708.3	1398.8	1360.1	1187.5	1270.8	1461.3	1913.7	1878.0
42.5°	2080.3	2107.1	2181.5	1880.9	1565.5	1529.7	1306.5	1383.9	1571.4	2062.5	2053.6
45°	2238.1	2264.9	2330.3	2071.4	1711.3	1687.5	1500.0	1547.6	1750.0	2324.4	2241.0
47.5°	2565.4	2571.4	2544.6	2229.1	1869.0	1869.0	1687.5	1732.1	1910.7	2565.4	2485.1
50°	2892.8	2857.1	2738.1	2416.6	2026.8	2071.4	1880.9	1985.1	2092.2	2809.5	2699.4
52.5°	3074.4	3068.4	2907.7	2559.5	2163.7	2250.0	2104.1	2193.4	2258.9	3056.5	2901.8
55°	3080.3	3071.4	2961.3	2627.9	2291.6	2434.5	2327.4	2443.4	2491.0	3250.0	3178.5
57.5°	2982.1	3005.9	2949.4	2666.6	2354.1	2613.1	2598.2	2723.2	2747.0	3479.1	3369.0
60°	2827.4	2824.4	2892.8	2702.4	2449.4	2782.7	2848.2	2976.2	3104.1	3654.7	3538.7
62.5°	2440.5	2467.2	2660.7	2702.4	2553.5	3002.9	3127.9	3261.9	3419.6	3815.4	3690.4
65°	1910.7	1925.6	2229.1	2505.9	2583.3	3297.6	3410.7	3544.6	3711.3	3979.1	3860.1
67.5°	1154.7	1253.0	1514.9	2062.5	2431.5	3651.7	3860.1	3916.6	4011.9	4163.6	4110.1
70°	657.7	687.5	812.5	1297.6	2029.7	3764.8	4687.5	4586.3	4488.0	4523.8	4422.6
72.5°	500.0	517.9	574.4	767.8	1214.3	3324.4	5383.9	5758.9	5336.3	4898.8	4413.6
75°	363.1	380.9	437.5	619.0	797.6	2130.9	5312.4	6339.2	6095.2	4916.6	3991.0
77.5°	226.2	229.2	261.9	526.8	717.3	1068.4	4157.7	5645.8	5752.9	4592.2	3309.5
80°	157.7	160.7	166.7	282.7	660.7	857.1	2791.6	4145.8	4297.6	3196.4	1687.5
82.5°	113.1	119.0	125.0	166.7	428.6	818.4	1738.1	2610.1	2300.6	1157.7	684.5
85°	59.5	65.5	80.4	101.2	172.6	889.9	1041.7	1327.4	1050.6	470.2	407.7
87.5°	23.8	20.8	17.9	26.8	47.6	342.3	404.8	446.4	345.2	264.9	324.4
90°	20.8	17.9	11.9	14.9	20.8	122.0	255.9	285.7	238.1	258.9	327.4
92.5°	20.8	17.9	11.9	11.9	20.8	122.0	306.5	312.5	247.0	264.9	342.3
95°	20.8	20.8	11.9	11.9	20.8	110.1	363.1	357.1	255.9	279.8	363.1
97.5°	20.8	20.8	8.9	11.9	20.8	74.4	375.0	386.9	250.0	199.4	300.6
100°	20.8	20.8	8.9	8.9	17.9	47.6	261.9	282.7	184.5	65.5	74.4
102.5°	20.8	20.8	8.9	8.9	11.9	32.7	116.1	139.9	110.1	20.8	23.8
105°	20.8	23.8	6.0	6.0	8.9	17.9	50.6	56.5	44.6	14.9	26.8
107.5°	23.8	26.8	6.0	6.0	6.0	8.9	17.9	20.8	11.9	11.9	26.8
110°	26.8	26.8	6.0	6.0	6.0	8.9	6.0	6.0	8.9	11.9	29.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	20.8	17.9	3.0	6.0	6.0	6.0	6.0	6.0	6.0	11.9	29.8
115°	11.9	8.9	3.0	6.0	6.0	6.0	3.0	6.0	8.9	11.9	26.8
117.5°	11.9	8.9	3.0	3.0	3.0	6.0	3.0	3.0	8.9	14.9	32.7
120°	8.9	8.9	3.0	3.0	3.0	3.0	3.0	6.0	6.0	20.8	44.6
122.5°	8.9	8.9	3.0	3.0	3.0	3.0	3.0	6.0	6.0	20.8	44.6
125°	11.9	11.9	6.0	3.0	3.0	3.0	3.0	6.0	6.0	17.9	41.7
127.5°	8.9	8.9	6.0	3.0	3.0	3.0	3.0	6.0	6.0	14.9	32.7
130°	8.9	8.9	6.0	3.0	3.0	3.0	3.0	6.0	3.0	14.9	26.8
132.5°	8.9	8.9	6.0	3.0	3.0	3.0	3.0	3.0	3.0	8.9	20.8
135°	8.9	8.9	6.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	14.9
137.5°	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0
140°	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	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	6.0	3.0	3.0	3.0	3.0	3.0
150°	6.0	6.0	11.9	8.9	6.0	3.0	3.0	3.0	3.0	3.0	3.0
152.5°	11.9	11.9	11.9	8.9	3.0	3.0	6.0	8.9	3.0	3.0	3.0
155°	8.9	8.9	8.9	3.0	3.0	3.0	3.0	3.0	6.0	8.9	8.9
157.5°	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
160°	0.0	0.0	0.0	3.0	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°	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9	2014.9
2.5°	2003.0	2008.9	2003.0	1997.0	1991.1	1973.2	1851.2	1702.4	1690.5	1702.4	1696.4
5°	1952.4	1952.4	1949.4	1744.0	1622.0	1586.3	1577.4	1568.4	1550.6	1541.7	1547.6
7.5°	1684.5	1675.6	1571.4	1386.9	1503.0	1461.3	1437.5	1425.6	1247.0	1181.5	1187.5
10°	1407.7	1407.7	1169.6	1104.2	1098.2	1116.1	1238.1	1229.2	1205.3	1190.5	1205.3
12.5°	1214.3	1264.9	928.6	994.0	806.5	892.8	976.2	1035.7	854.2	803.6	812.5
15°	1288.7	1270.8	1020.8	779.8	711.3	750.0	601.2	753.0	741.1	717.3	714.3
17.5°	1125.0	1032.7	851.2	732.1	702.4	529.8	514.9	532.7	488.1	446.4	467.3
20°	1223.2	1172.6	901.8	651.8	541.7	482.1	363.1	339.3	431.5	452.4	449.4
22.5°	1020.8	851.2	738.1	648.8	437.5	345.2	273.8	300.6	321.4	342.3	351.2
25°	1199.4	1107.1	806.5	485.1	354.2	253.0	247.0	223.2	336.3	383.9	380.9
27.5°	1383.9	1253.0	776.8	455.4	255.9	217.3	199.4	226.2	235.1	264.9	282.7
30°	1547.6	1389.9	898.8	422.6	214.3	163.7	178.6	184.5	229.2	247.0	247.0
32.5°	1541.7	1351.2	803.6	360.1	175.6	148.8	148.8	175.6	202.4	244.0	247.0
35°	1538.7	1321.4	717.3	279.8	154.8	131.0	136.9	166.7	202.4	226.2	229.2
37.5°	1574.4	1312.5	630.9	226.2	139.9	125.0	131.0	157.7	217.3	241.1	241.1
40°	1628.0	1318.4	544.6	193.5	133.9	122.0	125.0	166.7	196.4	217.3	217.3
42.5°	1791.6	1404.7	470.2	178.6	133.9	119.0	119.0	154.8	199.4	235.1	238.1
45°	1913.7	1473.2	413.7	178.6	131.0	113.1	125.0	154.8	175.6	258.9	276.8
47.5°	2110.1	1598.2	360.1	178.6	131.0	110.1	116.1	151.8	184.5	297.6	309.5
50°	2306.5	1723.2	336.3	178.6	131.0	107.1	131.0	145.8	184.5	309.5	318.4
52.5°	2514.9	1878.0	321.4	178.6	131.0	113.1	142.9	175.6	199.4	276.8	273.8
55°	2729.1	2014.9	312.5	184.5	131.0	113.1	154.8	163.7	169.6	214.3	220.2
57.5°	2928.5	2181.5	330.4	184.5	128.0	119.0	145.8	160.7	148.8	187.5	190.5
60°	3086.3	2333.3	375.0	178.6	125.0	119.0	148.8	175.6	166.7	205.4	211.3
62.5°	3267.8	2494.0	479.2	181.5	125.0	122.0	166.7	190.5	169.6	202.4	214.3
65°	3505.9	2738.1	595.2	199.4	128.0	128.0	169.6	205.4	169.6	199.4	199.4
67.5°	3773.8	2964.3	595.2	232.1	136.9	136.9	169.6	217.3	181.5	199.4	199.4
70°	3970.2	2976.2	491.1	255.9	148.8	145.8	175.6	226.2	184.5	220.2	217.3
72.5°	3752.9	2651.8	407.7	253.0	160.7	151.8	199.4	232.1	187.5	250.0	247.0
75°	3294.6	2187.5	354.2	226.2	145.8	154.8	208.3	238.1	190.5	261.9	255.9
77.5°	2598.2	1595.2	300.6	190.5	128.0	148.8	214.3	244.0	196.4	276.8	273.8
80°	1258.9	800.6	244.0	160.7	116.1	142.9	214.3	241.1	193.5	285.7	285.7
82.5°	568.4	398.8	166.7	110.1	116.1	145.8	220.2	244.0	193.5	279.8	276.8
85°	369.0	273.8	107.1	86.3	116.1	166.7	223.2	232.1	184.5	258.9	258.9
87.5°	276.8	190.5	56.5	53.6	128.0	181.5	223.2	214.3	178.6	244.0	238.1
90°	282.7	202.4	59.5	53.6	136.9	184.5	223.2	211.3	172.6	220.2	220.2
92.5°	306.5	223.2	68.5	59.5	139.9	166.7	211.3	190.5	160.7	190.5	187.5
95°	333.3	250.0	80.4	68.5	122.0	122.0	166.7	154.8	136.9	145.8	145.8
97.5°	244.0	178.6	71.4	74.4	92.3	77.4	110.1	104.2	71.4	65.5	62.5
100°	71.4	59.5	65.5	71.4	65.5	56.5	83.3	80.4	47.6	23.8	23.8
102.5°	26.8	29.8	59.5	65.5	50.6	41.7	59.5	65.5	38.7	6.0	8.9
105°	23.8	20.8	41.7	50.6	29.8	23.8	29.8	41.7	23.8	6.0	6.0
107.5°	26.8	20.8	20.8	26.8	11.9	11.9	11.9	14.9	8.9	6.0	6.0
110°	26.8	20.8	11.9	11.9	8.9	8.9	8.9	6.0	6.0	6.0	6.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.8	20.8	11.9	11.9	8.9	8.9	6.0	6.0	8.9	14.9	14.9
115°	29.8	23.8	11.9	8.9	6.0	8.9	6.0	3.0	8.9	20.8	20.8
117.5°	35.7	26.8	8.9	8.9	6.0	6.0	6.0	3.0	8.9	26.8	29.8
120°	44.6	32.7	11.9	6.0	6.0	6.0	6.0	3.0	11.9	29.8	32.7
122.5°	44.6	35.7	11.9	6.0	6.0	3.0	3.0	6.0	11.9	29.8	32.7
125°	41.7	32.7	11.9	6.0	6.0	3.0	3.0	3.0	14.9	29.8	32.7
127.5°	32.7	29.8	11.9	6.0	3.0	3.0	3.0	6.0	11.9	26.8	26.8
130°	26.8	23.8	8.9	6.0	3.0	3.0	3.0	3.0	11.9	20.8	23.8
132.5°	20.8	17.9	8.9	6.0	3.0	3.0	3.0	3.0	11.9	20.8	20.8
135°	14.9	14.9	6.0	3.0	3.0	3.0	3.0	3.0	8.9	14.9	17.9
137.5°	6.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0	8.9	8.9
140°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	6.0	6.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	6.0
145°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
152.5°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	6.0	6.0
155°	8.9	8.9	8.9	6.0	3.0	0.0	0.0	0.0	3.0	3.0	6.0
157.5°	3.0	3.0	3.0	3.0	3.0	3.0	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)