

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: P561334

Luminaire Tested: **SDL-PA1-90-827-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-827-U-T3-A
Description: Springdale
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7037.5 lumens
Efficiency: N/A
Efficacy: 76.2 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: B2 - U3 - G3

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

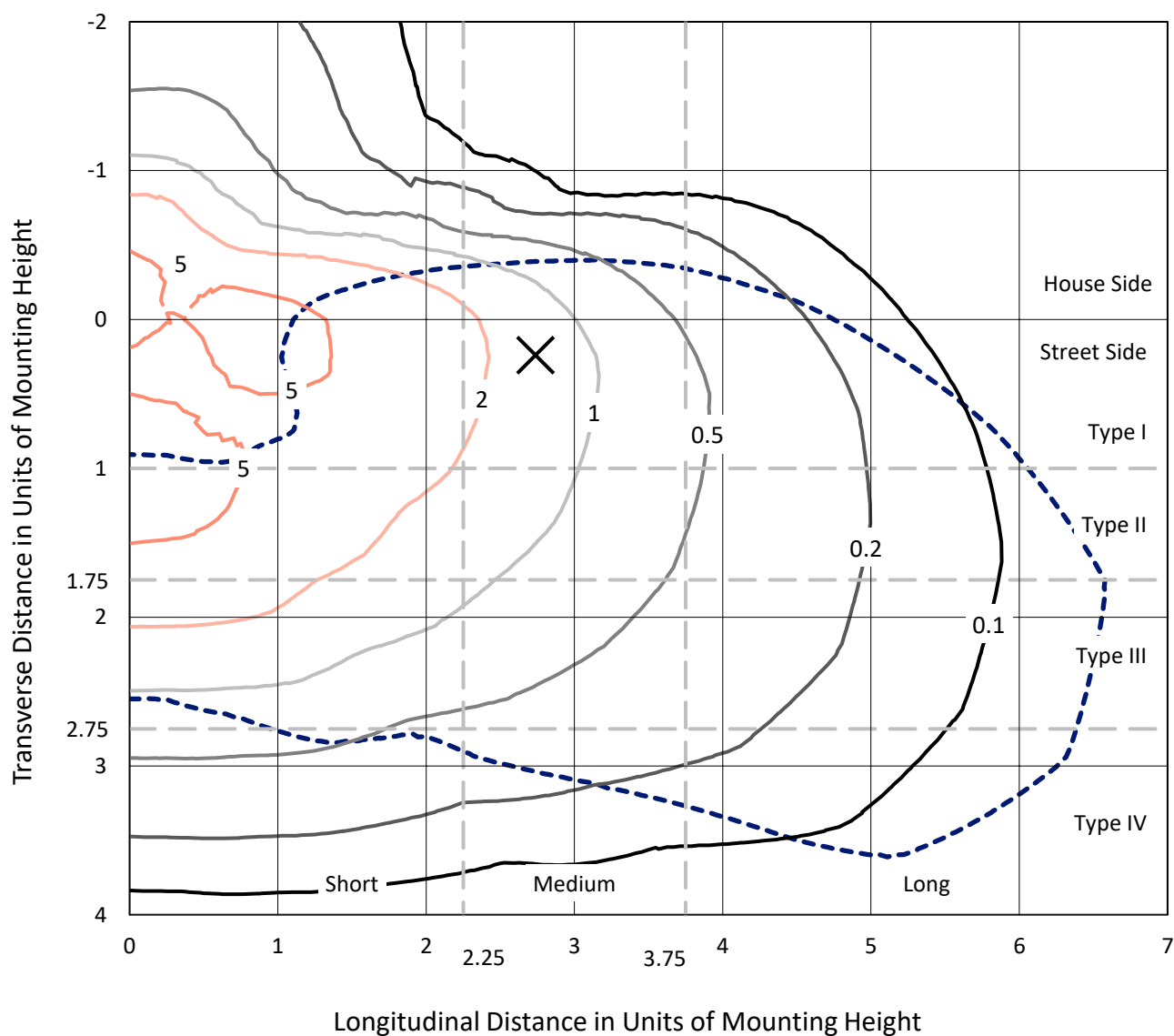


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

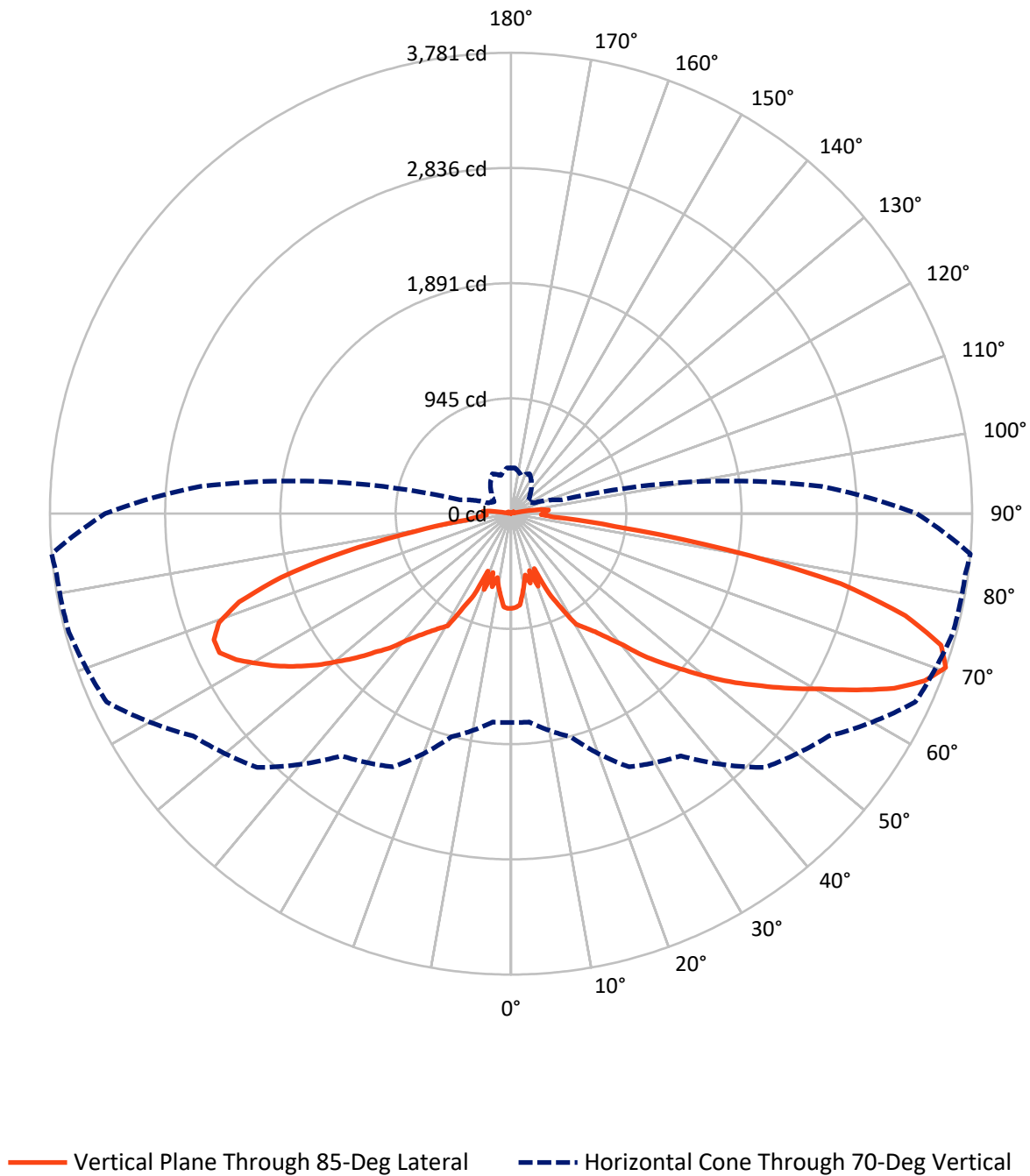


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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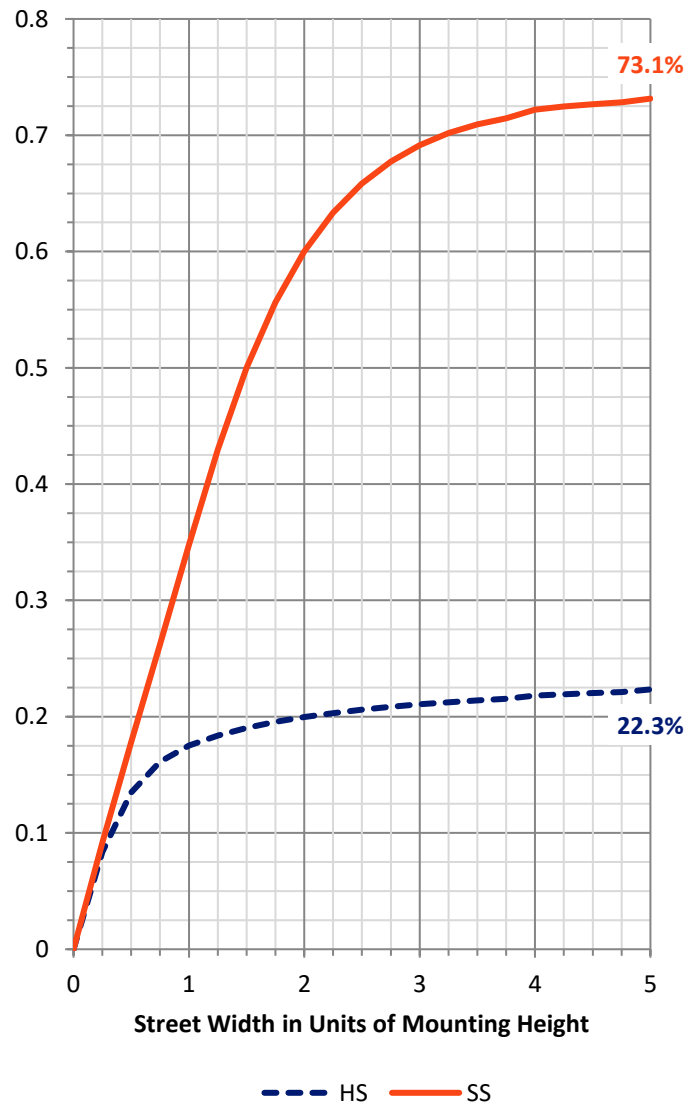
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1654.6	106.6	1761.1
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	5186.3	90.0	5276.3
	% Fixture	73.7	1.3	75.0
Total	Lumens	6840.9	196.6	7037.5
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	0.9
10°-20°	155.3	2.2
20°-30°	282.8	4.0
30°-40°	534.7	7.6
40°-50°	893.6	12.7
50°-60°	1394.6	19.8
60°-70°	1729.5	24.6
70°-80°	1413.0	20.1
80°-90°	374.0	5.3
90°-100°	142.0	2.0
100°-110°	30.3	0.4
110°-120°	9.8	0.1
120°-130°	7.6	0.1
130°-140°	3.6	0.1
140°-150°	1.7	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6840.9	97.2
0°-180°	7037.5	100.0

Coefficient of Utilization



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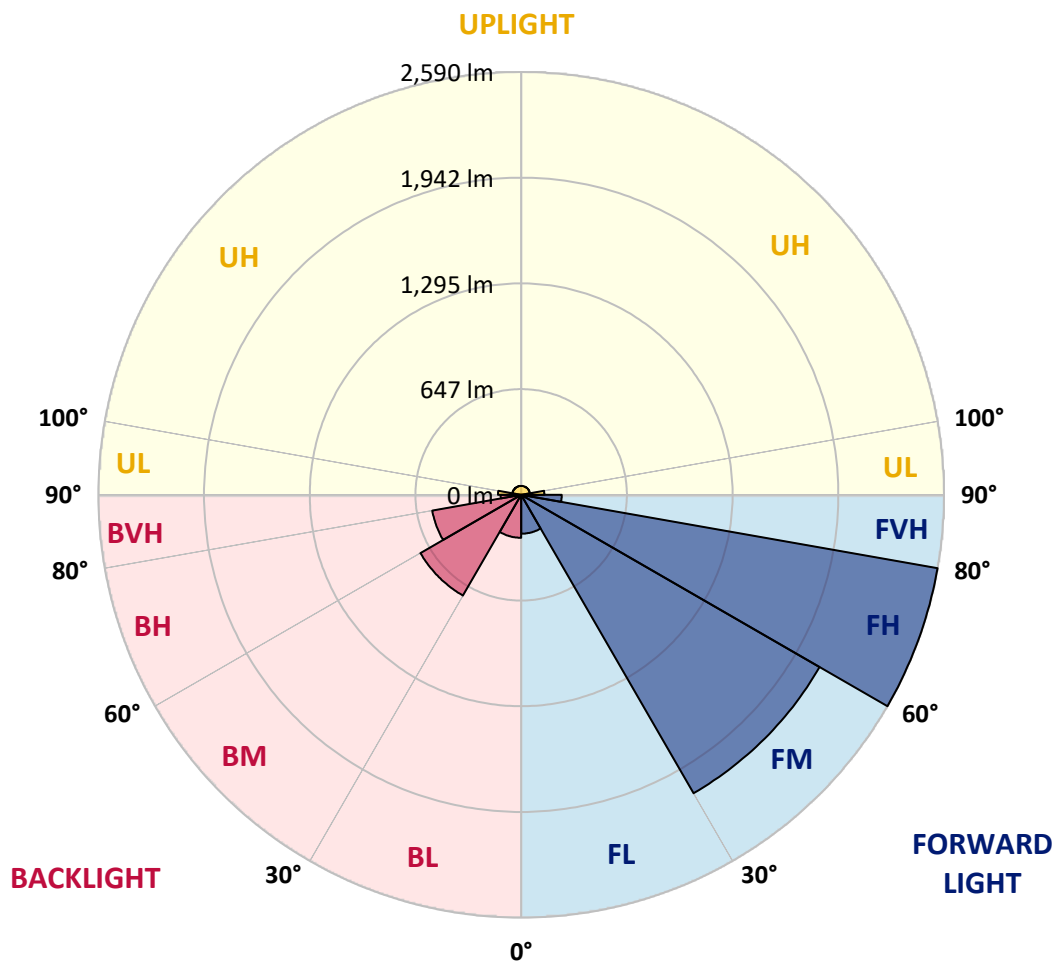
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.4	3.4			
FM	(30°-60°)	2110.2	30.0			
FH	(60°-80°)	2589.7	36.8			G2/5000
FVH	(80°-90°)	248.1	3.5			G3/500
BL	(0°-30°)	263.2	3.7	B1/500		
BM	(30°-60°)	712.7	10.1	B1/1000		
BH	(60°-80°)	552.8	7.9	B2/1000		G2/1000
BVH	(80°-90°)	125.9	1.8			G2/225
UL	(90°-100°)	142.0	2.0		U3/500	
UH	(100°-180°)	54.6	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	777.5	777.5	777.5	777.5	777.5	777.5	777.5	777.5	777.5	777.5	777.5
2.5°	643.9	706.6	695.7	714.8	725.7	742.1	753.0	758.4	763.9	769.4	769.4
5°	597.5	600.2	602.9	605.7	611.1	619.3	627.5	714.8	742.1	753.0	753.0
7.5°	545.6	542.9	553.8	567.5	586.6	597.5	605.7	608.4	638.4	663.0	668.4
10°	542.9	545.6	545.6	551.1	518.4	515.6	477.4	480.2	521.1	583.8	586.6
12.5°	472.0	485.6	515.6	537.5	504.7	452.9	444.7	466.5	436.5	512.9	515.6
15°	526.5	523.8	523.8	502.0	425.6	447.4	398.3	414.7	507.4	578.4	592.0
17.5°	458.3	452.9	507.4	491.1	442.0	373.8	447.4	442.0	458.3	499.3	491.1
20°	575.6	570.2	559.3	425.6	447.4	469.2	455.6	425.6	537.5	600.2	635.7
22.5°	537.5	542.9	570.2	540.2	461.1	482.9	431.1	523.8	507.4	482.9	488.3
25°	733.9	728.4	701.1	529.3	551.1	450.2	526.5	466.5	643.9	714.8	720.2
27.5°	676.6	668.4	649.3	665.7	559.3	589.3	512.9	611.1	712.1	837.6	875.8
30°	897.6	889.4	867.6	671.1	665.7	583.8	622.0	750.3	960.3	1055.8	1053.1
32.5°	1156.8	1096.7	963.1	859.4	712.1	758.4	712.1	883.9	1023.1	1115.8	1115.8
35°	1315.0	1304.1	1233.1	998.5	829.4	826.6	818.5	974.0	1129.5	1194.9	1189.5
37.5°	1448.7	1467.8	1415.9	1156.8	935.8	957.6	916.7	1096.7	1260.4	1298.6	1293.2
40°	1634.2	1628.7	1601.5	1293.2	1066.7	1064.0	1034.0	1244.1	1405.0	1432.3	1418.7
42.5°	1909.7	1879.7	1797.9	1476.0	1205.9	1205.9	1151.3	1383.2	1582.4	1585.1	1593.3
45°	2248.0	2234.4	2089.8	1759.7	1385.9	1383.2	1293.2	1530.5	1762.4	1776.1	1751.5
47.5°	2482.7	2441.7	2370.8	2018.9	1664.2	1601.5	1465.0	1675.1	1977.9	1967.0	1917.9
50°	2714.6	2681.8	2616.3	2302.6	1953.4	1827.9	1626.0	1825.2	2185.3	2155.3	2108.9
52.5°	2913.7	2870.1	2799.1	2534.5	2207.1	2108.9	1811.5	1961.6	2395.4	2346.2	2302.6
55°	3028.3	2938.3	2943.7	2741.8	2398.1	2319.0	2018.9	2182.6	2600.0	2529.0	2493.6
57.5°	2886.4	2881.0	2971.0	2870.1	2572.7	2493.6	2239.8	2403.5	2812.8	2720.0	2703.6
60°	2744.6	2760.9	2889.2	2908.3	2709.1	2651.8	2430.8	2717.3	3020.1	2919.2	2919.2
62.5°	2548.1	2594.5	2774.6	2921.9	2722.7	2807.3	2630.0	2984.6	3246.6	3153.8	3183.8
65°	2324.4	2324.4	2531.8	2810.0	2679.1	2911.0	2851.0	3276.6	3445.7	3391.1	3453.9
67.5°	2018.9	2024.3	2239.8	2591.8	2600.0	2962.8	3028.3	3505.7	3653.1	3612.1	3658.5
70°	1713.3	1716.0	1896.1	2291.7	2425.4	2943.7	3181.1	3658.5	3754.0	3759.5	3781.3
72.5°	1282.3	1328.6	1497.8	1860.6	2122.5	2864.6	3260.2	3702.2	3751.3	3759.5	3688.5
75°	690.2	712.1	900.3	1211.3	1576.9	2539.9	3235.6	3655.8	3620.3	3524.8	3339.3
77.5°	240.1	251.0	316.5	529.3	894.8	1797.9	3001.0	3453.9	3339.3	3039.2	2766.4
80°	155.5	155.5	171.9	253.7	406.5	851.2	2329.9	2960.1	2690.0	2048.9	1795.2
82.5°	109.1	111.9	125.5	169.1	261.9	365.6	1211.3	1503.2	1481.4	1020.3	859.4
85°	79.1	81.8	87.3	98.2	180.1	226.4	472.0	723.0	668.4	365.6	343.8
87.5°	35.5	40.9	35.5	43.7	70.9	139.1	226.4	223.7	212.8	242.8	248.3
90°	27.3	27.3	21.8	24.6	49.1	125.5	210.1	201.9	215.5	264.6	261.9
92.5°	27.3	27.3	21.8	24.6	46.4	125.5	221.0	196.4	223.7	283.7	286.5
95°	27.3	30.0	21.8	21.8	38.2	128.2	234.6	210.1	237.4	308.3	308.3
97.5°	24.6	24.6	16.4	19.1	30.0	117.3	234.6	180.1	174.6	248.3	245.5
100°	19.1	21.8	10.9	16.4	21.8	70.9	174.6	111.9	49.1	57.3	87.3
102.5°	19.1	19.1	10.9	13.6	16.4	30.0	92.8	65.5	13.6	19.1	19.1
105°	19.1	21.8	10.9	10.9	10.9	13.6	43.7	32.7	10.9	16.4	19.1
107.5°	21.8	21.8	8.2	8.2	8.2	8.2	16.4	13.6	10.9	19.1	21.8
110°	21.8	21.8	8.2	8.2	5.5	5.5	8.2	8.2	10.9	19.1	21.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	19.1	19.1	8.2	8.2	5.5	5.5	5.5	8.2	10.9	16.4	19.1
115°	13.6	13.6	5.5	8.2	5.5	5.5	5.5	8.2	8.2	13.6	16.4
117.5°	13.6	10.9	5.5	5.5	2.7	5.5	5.5	8.2	10.9	19.1	19.1
120°	13.6	13.6	5.5	2.7	2.7	2.7	2.7	5.5	13.6	21.8	24.6
122.5°	13.6	13.6	5.5	2.7	2.7	2.7	2.7	5.5	13.6	21.8	24.6
125°	16.4	13.6	8.2	2.7	2.7	2.7	2.7	2.7	10.9	19.1	21.8
127.5°	13.6	13.6	8.2	2.7	2.7	2.7	2.7	2.7	8.2	16.4	19.1
130°	13.6	13.6	8.2	2.7	2.7	2.7	2.7	2.7	8.2	13.6	13.6
132.5°	10.9	10.9	8.2	2.7	2.7	2.7	2.7	2.7	5.5	10.9	10.9
135°	10.9	10.9	5.5	2.7	2.7	2.7	2.7	2.7	2.7	8.2	8.2
137.5°	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	0.0	2.7	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°	2.7	2.7	2.7	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7
150°	8.2	8.2	8.2	5.5	5.5	2.7	5.5	2.7	2.7	2.7	2.7
152.5°	8.2	8.2	10.9	5.5	2.7	2.7	2.7	5.5	2.7	2.7	2.7
155°	5.5	5.5	5.5	2.7	2.7	2.7	2.7	2.7	5.5	5.5	8.2
157.5°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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°	777.5	777.5	777.5	777.5	777.5	777.5	777.5	777.5	777.5	777.5	777.5
2.5°	772.1	777.5	780.3	788.4	788.4	788.4	769.4	723.0	723.0	725.7	728.4
5°	761.2	766.6	777.5	739.3	701.1	698.4	712.1	720.2	723.0	725.7	720.2
7.5°	673.9	684.8	679.3	682.0	701.1	720.2	736.6	725.7	698.4	679.3	684.8
10°	600.2	611.1	551.1	556.6	578.4	632.9	723.0	753.0	772.1	780.3	780.3
12.5°	526.5	534.7	482.9	559.3	521.1	605.7	703.9	777.5	703.9	673.9	673.9
15°	602.9	619.3	556.6	496.5	507.4	613.8	540.2	742.1	763.9	769.4	774.8
17.5°	515.6	504.7	515.6	523.8	570.2	477.4	619.3	698.4	654.8	638.4	646.6
20°	649.3	660.2	602.9	515.6	521.1	608.4	551.1	624.8	744.8	747.5	753.0
22.5°	493.8	507.4	540.2	613.8	537.5	589.3	581.1	649.3	608.4	611.1	632.9
25°	725.7	736.6	679.3	548.4	586.6	532.0	586.6	578.4	682.0	687.5	687.5
27.5°	889.4	864.8	742.1	619.3	515.6	562.0	529.3	551.1	526.5	600.2	611.1
30°	1058.5	1058.5	963.1	690.2	545.6	477.4	482.9	523.8	583.8	594.7	594.7
32.5°	1110.4	1107.6	984.9	747.5	537.5	493.8	444.7	493.8	597.5	649.3	654.8
35°	1184.0	1173.1	1023.1	728.4	518.4	450.2	420.1	496.5	572.9	581.1	575.6
37.5°	1276.8	1249.5	1069.5	693.0	474.7	422.9	403.8	447.4	512.9	512.9	512.9
40°	1391.4	1347.7	1085.8	643.9	428.3	387.4	368.3	414.7	458.3	433.8	425.6
42.5°	1546.9	1481.4	1099.5	608.4	387.4	357.4	332.8	376.5	398.3	384.7	379.2
45°	1691.5	1593.3	1121.3	570.2	354.7	330.1	308.3	346.5	362.8	349.2	346.5
47.5°	1863.4	1732.4	1124.0	534.7	330.1	308.3	291.9	324.7	335.6	335.6	332.8
50°	2040.7	1866.1	1145.8	504.7	305.6	286.5	283.7	308.3	316.5	311.0	308.3
52.5°	2242.6	2016.1	1154.0	466.5	275.5	261.9	275.5	291.9	316.5	319.2	319.2
55°	2458.1	2155.3	1148.6	414.7	253.7	248.3	267.4	302.8	324.7	308.3	305.6
57.5°	2668.2	2294.4	1151.3	357.4	231.9	242.8	270.1	316.5	332.8	313.7	305.6
60°	2856.4	2419.9	1113.1	305.6	215.5	229.2	281.0	330.1	324.7	330.1	321.9
62.5°	3088.3	2550.9	1004.0	272.8	201.9	223.7	281.0	338.3	316.5	338.3	338.3
65°	3279.3	2649.1	848.5	245.5	191.0	223.7	283.7	341.0	308.3	343.8	343.8
67.5°	3361.1	2646.3	613.8	223.7	177.3	218.3	283.7	351.9	316.5	354.7	351.9
70°	3328.4	2556.3	433.8	207.3	169.1	221.0	294.6	360.1	324.7	376.5	373.8
72.5°	3107.4	2343.5	313.7	193.7	158.2	210.1	302.8	371.0	332.8	409.2	409.2
75°	2736.4	1958.8	253.7	180.1	147.3	207.3	305.6	376.5	338.3	414.7	414.7
77.5°	2092.5	1407.7	212.8	166.4	136.4	201.9	302.8	384.7	335.6	414.7	414.7
80°	1255.0	802.1	177.3	150.1	139.1	199.2	308.3	384.7	335.6	409.2	409.2
82.5°	578.4	368.3	158.2	125.5	131.0	196.4	313.7	379.2	321.9	409.2	392.9
85°	321.9	259.2	136.4	106.4	117.3	185.5	297.4	341.0	289.2	338.3	332.8
87.5°	240.1	201.9	87.3	54.6	76.4	131.0	229.2	270.1	218.3	261.9	259.2
90°	256.5	212.8	79.1	54.6	81.8	120.0	215.5	240.1	201.9	242.8	240.1
92.5°	275.5	223.7	79.1	57.3	92.8	131.0	215.5	234.6	199.2	221.0	223.7
95°	289.2	231.9	76.4	62.7	98.2	141.9	210.1	215.5	182.8	191.0	199.2
97.5°	226.4	174.6	68.2	65.5	95.5	114.6	171.9	169.1	125.5	117.3	117.3
100°	70.9	49.1	60.0	68.2	57.3	54.6	100.9	120.0	73.7	49.1	46.4
102.5°	21.8	19.1	54.6	65.5	43.7	24.6	54.6	76.4	54.6	8.2	10.9
105°	21.8	21.8	35.5	54.6	30.0	10.9	21.8	40.9	32.7	8.2	8.2
107.5°	21.8	19.1	13.6	30.0	10.9	8.2	10.9	10.9	10.9	8.2	8.2
110°	21.8	21.8	10.9	10.9	8.2	8.2	8.2	5.5	5.5	13.6	13.6



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CATALOG NUMBER: SDL-PA1-90-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.8	21.8	10.9	10.9	8.2	8.2	5.5	5.5	8.2	19.1	19.1
115°	19.1	19.1	10.9	8.2	5.5	8.2	5.5	5.5	8.2	21.8	21.8
117.5°	21.8	21.8	10.9	8.2	5.5	5.5	5.5	2.7	8.2	24.6	27.3
120°	27.3	24.6	13.6	5.5	5.5	5.5	5.5	5.5	10.9	21.8	24.6
122.5°	27.3	27.3	13.6	5.5	2.7	2.7	2.7	5.5	10.9	21.8	24.6
125°	24.6	24.6	13.6	5.5	2.7	2.7	2.7	2.7	10.9	19.1	19.1
127.5°	21.8	21.8	10.9	5.5	2.7	2.7	2.7	2.7	8.2	16.4	19.1
130°	16.4	16.4	8.2	5.5	2.7	2.7	2.7	2.7	8.2	13.6	16.4
132.5°	13.6	13.6	8.2	5.5	2.7	2.7	2.7	2.7	8.2	10.9	13.6
135°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	2.7	5.5	8.2	10.9
137.5°	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5
140°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5	8.2	5.5
152.5°	2.7	2.7	2.7	5.5	2.7	0.0	0.0	5.5	5.5	8.2	8.2
155°	8.2	8.2	5.5	2.7	2.7	0.0	0.0	0.0	5.5	5.5	5.5
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
160°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
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)