

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: P561338

Luminaire Tested: **SDL-PA1-90-827-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
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-T4W-A
Description: Springdale
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6933.8 lumens
Efficiency: N/A
Efficacy: 75.0 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

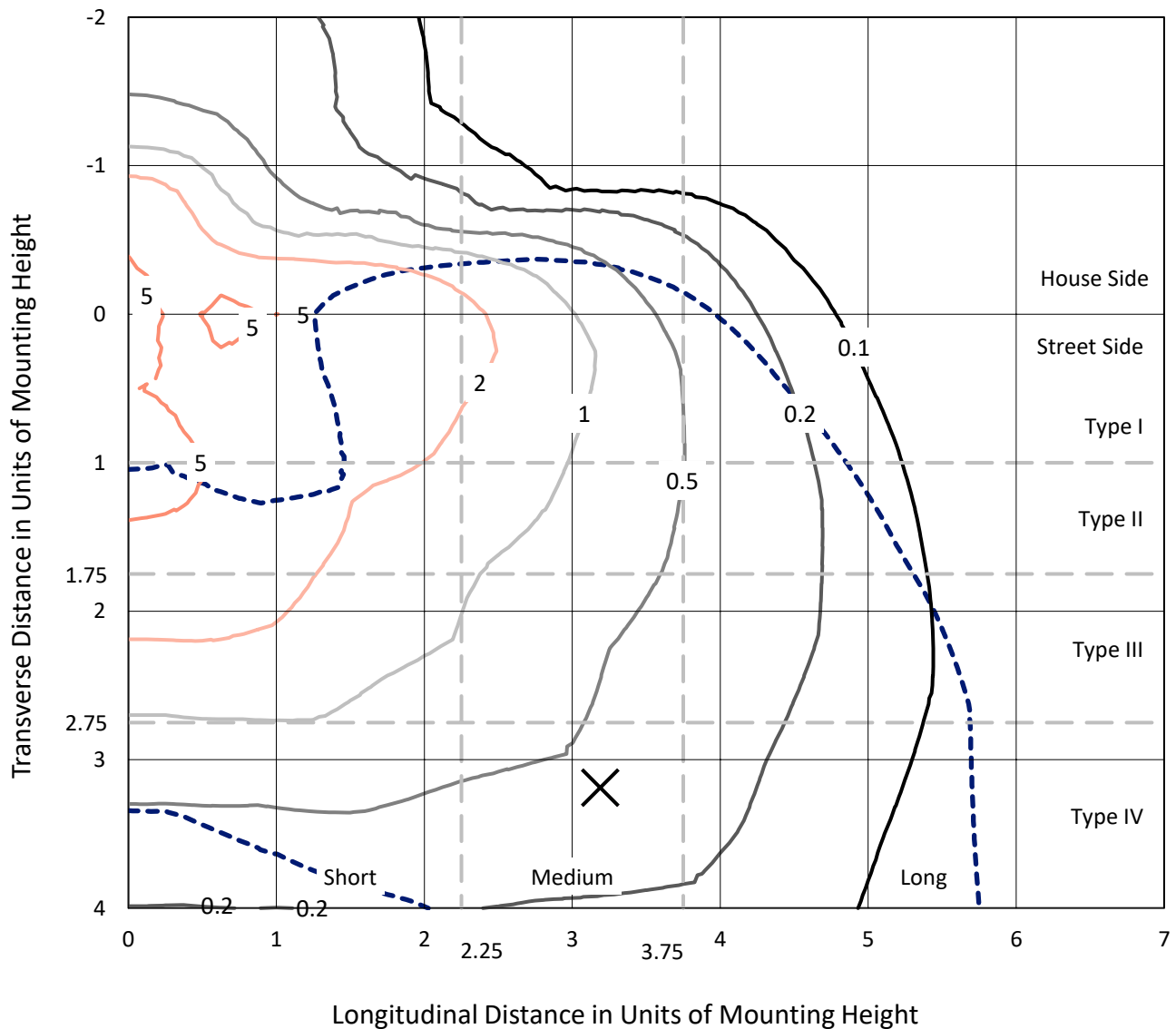


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

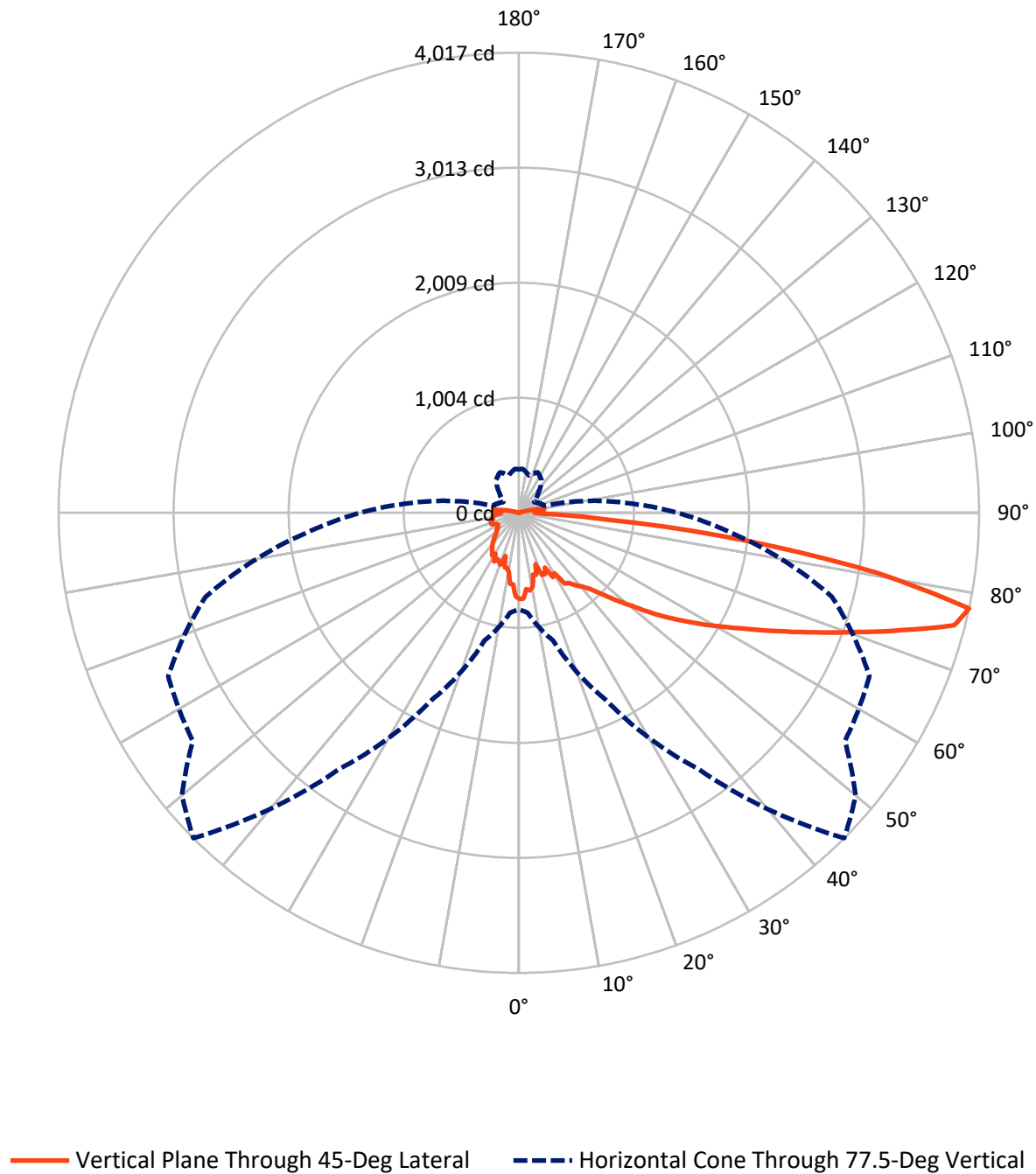


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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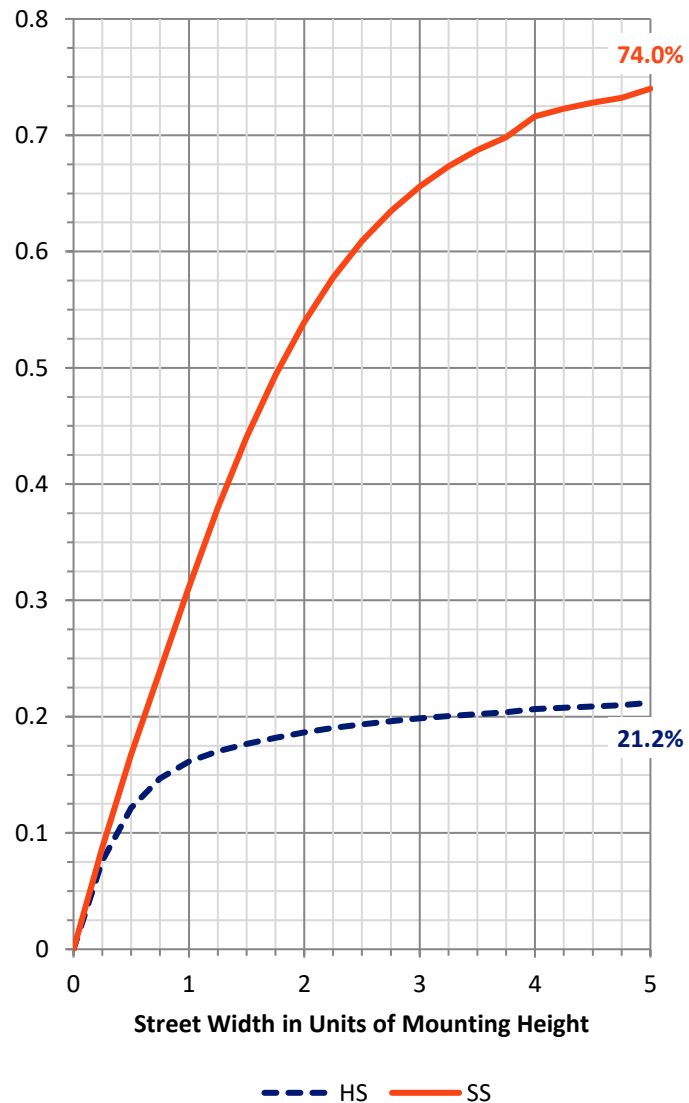
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1552.0	115.8	1667.7
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	5172.5	93.6	5266.1
	% Fixture	74.6	1.4	75.9
Total	Lumens	6724.4	209.4	6933.8
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	0.9
10°-20°	155.0	2.2
20°-30°	268.2	3.9
30°-40°	475.1	6.9
40°-50°	736.5	10.6
50°-60°	1185.7	17.1
60°-70°	1743.7	25.1
70°-80°	1678.9	24.2
80°-90°	418.7	6.0
90°-100°	156.1	2.3
100°-110°	34.6	0.5
110°-120°	7.5	0.1
120°-130°	6.2	0.1
130°-140°	2.7	0.0
140°-150°	1.1	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6724.4	97.0
0°-180°	6933.8	100.0

Coefficient of Utilization



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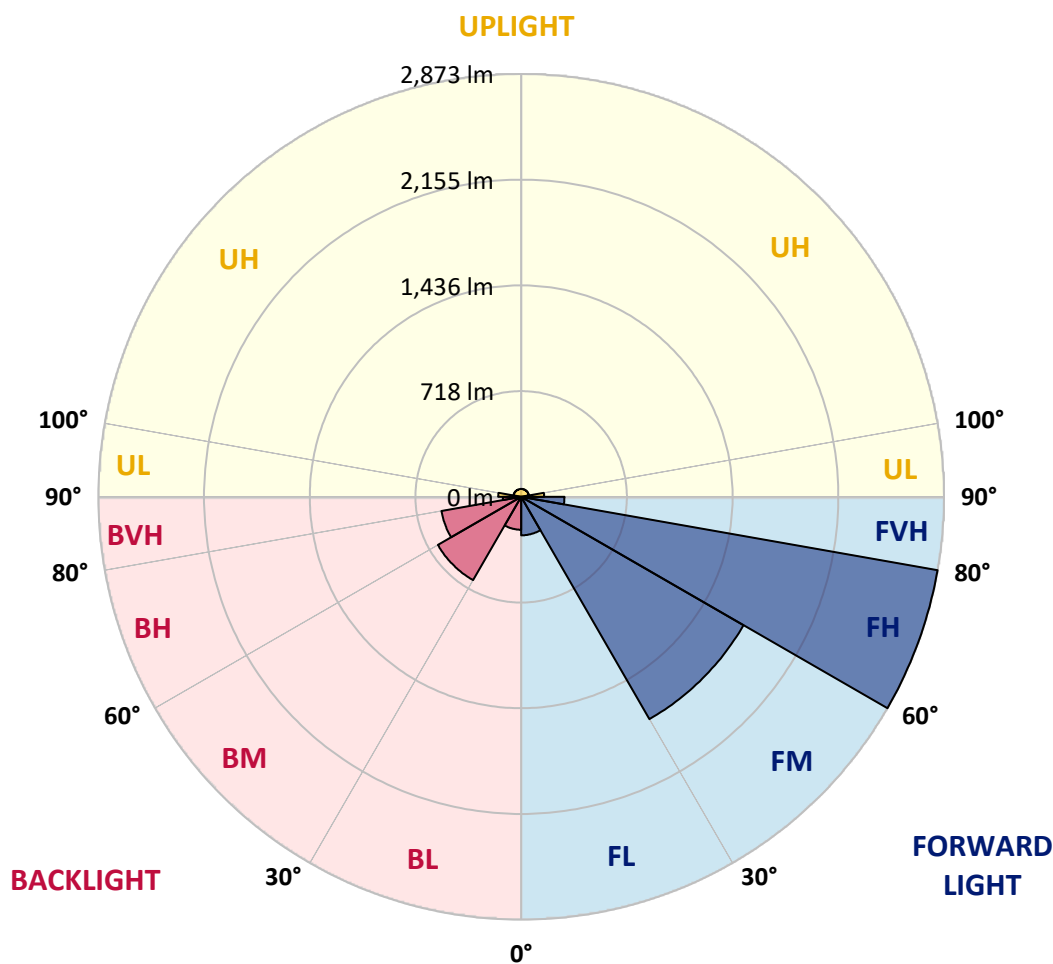
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.7	3.8			
FM	(30°-60°)	1744.0	25.2			
FH	(60°-80°)	2872.7	41.4			G2/5000
FVH	(80°-90°)	294.1	4.2			G3/500
BL	(0°-30°)	224.0	3.2	B1/500		
BM	(30°-60°)	653.4	9.4	B1/1000		
BH	(60°-80°)	549.9	7.9	B2/1000		G2/1000
BVH	(80°-90°)	124.6	1.8			G2/225
UL	(90°-100°)	156.1	2.3		U3/500	
UH	(100°-180°)	53.3	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°	50°	55°	65°	75°	85°
0°	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7
2.5°	684.6	750.0	739.1	747.3	747.3	750.0	752.7	752.7	755.5	752.7	752.7
5°	698.2	695.5	690.0	684.6	679.1	670.9	670.9	670.9	736.4	741.8	736.4
7.5°	651.8	709.1	703.7	692.7	692.7	684.6	673.7	662.7	643.7	638.2	646.4
10°	736.4	733.7	725.5	709.1	649.1	660.0	591.8	534.6	512.7	526.4	561.8
12.5°	654.6	700.9	720.0	720.0	643.7	553.6	493.6	526.4	507.3	452.7	493.6
15°	771.8	766.4	744.6	709.1	564.6	561.8	529.1	463.6	471.8	512.7	550.9
17.5°	660.0	660.0	739.1	676.4	580.9	471.8	469.1	520.9	477.3	455.5	477.3
20°	796.4	793.7	769.1	561.8	586.4	578.2	477.3	531.8	455.5	523.6	572.7
22.5°	676.4	670.9	709.1	673.7	559.1	583.7	447.3	504.6	542.7	480.0	444.6
25°	796.4	801.8	790.9	600.0	635.5	529.1	540.0	575.5	499.1	608.2	632.7
27.5°	700.9	700.9	670.9	670.9	589.1	635.5	507.3	540.0	594.6	657.3	771.8
30°	859.1	861.8	842.7	646.4	651.8	610.9	589.1	627.3	714.6	853.7	905.5
32.5°	1050.0	1050.0	902.7	771.8	654.6	736.4	621.8	684.6	810.0	880.9	949.1
35°	1170.0	1156.4	1090.9	867.3	706.4	752.7	703.7	728.2	840.0	943.7	992.8
37.5°	1341.9	1336.4	1270.9	951.8	758.2	801.8	730.9	758.2	894.6	990.0	1047.3
40°	1579.1	1551.9	1494.6	1099.1	820.9	845.5	763.7	796.4	960.0	1050.0	1118.2
42.5°	1767.3	1772.8	1731.9	1273.7	924.6	908.2	820.9	845.5	1030.9	1142.8	1219.1
45°	1941.9	1936.4	1944.6	1483.7	1052.8	1009.1	921.8	924.6	1120.9	1257.3	1360.9
47.5°	2061.9	2059.1	2078.2	1680.0	1216.4	1137.3	1033.7	1022.8	1224.6	1453.7	1554.6
50°	2206.4	2198.2	2187.3	1890.0	1401.9	1276.4	1180.9	1142.8	1358.2	1674.6	1800.0
52.5°	2383.7	2364.6	2329.1	2053.7	1606.4	1453.7	1347.3	1295.5	1538.2	1922.8	2083.7
55°	2552.8	2525.5	2495.5	2236.4	1794.6	1630.9	1516.4	1486.4	1772.8	2179.1	2386.4
57.5°	2719.2	2705.5	2681.0	2479.2	2034.6	1816.4	1688.2	1682.8	2045.5	2427.3	2711.0
60°	2874.6	2852.8	2885.5	2741.0	2258.2	2012.8	1876.4	1917.3	2345.5	2675.5	3071.0
62.5°	2970.1	2961.9	3032.8	2981.0	2465.5	2231.0	2091.9	2162.8	2634.6	2918.3	3390.1
65°	2828.3	2850.1	3131.0	3131.0	2705.5	2490.1	2353.7	2397.3	2907.3	3163.7	3681.9
67.5°	2569.2	2599.2	2981.0	3215.5	2921.0	2781.9	2640.1	2664.6	3150.1	3362.8	3919.2
70°	2348.2	2370.1	2724.6	3221.0	3057.3	3120.1	2915.5	2893.7	3338.3	3529.2	4006.5
72.5°	2154.6	2184.6	2476.4	3188.3	3191.0	3504.6	3242.8	3111.9	3510.1	3591.9	3728.3
75°	1707.3	1693.7	2023.7	2803.7	3234.6	3924.6	3627.4	3354.6	3594.6	3376.4	2923.7
77.5°	840.0	875.5	1153.7	1805.5	2730.1	4017.4	3837.4	3474.6	3376.4	2828.3	1824.6
80°	248.2	256.4	321.8	646.4	1568.2	3163.7	3169.2	2874.6	2539.2	1652.8	823.7
82.5°	139.1	141.8	185.5	280.9	643.7	2004.6	2086.4	1726.4	1123.7	610.9	411.8
85°	73.6	76.4	95.5	147.3	327.3	799.1	848.2	660.0	542.7	398.2	302.7
87.5°	35.5	35.5	32.7	49.1	120.0	193.6	215.5	245.5	218.2	204.6	250.9
90°	30.0	30.0	24.5	27.3	65.5	139.1	169.1	188.2	171.8	188.2	275.5
92.5°	32.7	32.7	24.5	27.3	70.9	155.5	185.5	210.0	182.7	201.8	305.5
95°	30.0	32.7	21.8	24.5	70.9	190.9	223.6	229.1	188.2	220.9	327.3
97.5°	24.5	24.5	16.4	19.1	62.7	223.6	245.5	237.3	166.4	169.1	261.8
100°	19.1	19.1	10.9	16.4	43.6	180.0	210.0	199.1	109.1	27.3	65.5
102.5°	16.4	16.4	8.2	13.6	19.1	87.3	111.8	109.1	65.5	16.4	13.6
105°	16.4	16.4	8.2	10.9	10.9	24.5	38.2	49.1	27.3	8.2	13.6
107.5°	16.4	16.4	8.2	5.5	5.5	10.9	13.6	13.6	13.6	8.2	16.4
110°	19.1	19.1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	8.2	16.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	16.4	16.4	5.5	5.5	2.7	5.5	5.5	5.5	5.5	8.2	16.4
115°	13.6	13.6	2.7	5.5	2.7	2.7	5.5	2.7	5.5	5.5	13.6
117.5°	13.6	10.9	2.7	2.7	2.7	2.7	2.7	2.7	5.5	8.2	16.4
120°	13.6	13.6	5.5	2.7	2.7	2.7	2.7	2.7	5.5	10.9	19.1
122.5°	13.6	13.6	5.5	2.7	0.0	2.7	2.7	2.7	5.5	10.9	21.8
125°	16.4	13.6	5.5	2.7	0.0	0.0	2.7	2.7	2.7	10.9	19.1
127.5°	13.6	10.9	5.5	2.7	0.0	0.0	2.7	2.7	2.7	8.2	16.4
130°	13.6	10.9	5.5	0.0	0.0	0.0	2.7	2.7	2.7	8.2	13.6
132.5°	10.9	8.2	5.5	0.0	0.0	0.0	2.7	2.7	2.7	5.5	10.9
135°	8.2	8.2	2.7	0.0	2.7	0.0	2.7	2.7	2.7	2.7	8.2
137.5°	5.5	5.5	2.7	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
140°	2.7	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	8.2	8.2	8.2	5.5	2.7	2.7	2.7	5.5	2.7	2.7	2.7
152.5°	8.2	8.2	8.2	5.5	0.0	0.0	2.7	2.7	5.5	2.7	2.7
155°	5.5	5.5	5.5	0.0	0.0	0.0	2.7	2.7	2.7	5.5	5.5
157.5°	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	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°	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7
2.5°	750.0	747.3	744.6	741.8	736.4	730.9	717.3	660.0	660.0	662.7	662.7
5°	736.4	733.7	725.5	673.7	643.7	627.3	632.7	632.7	632.7	635.5	640.9
7.5°	643.7	640.9	602.7	600.0	610.9	624.6	632.7	619.1	591.8	591.8	591.8
10°	561.8	559.1	490.9	477.3	490.9	523.6	608.2	624.6	635.5	638.2	643.7
12.5°	490.9	482.7	422.7	466.4	436.4	490.9	567.3	630.0	572.7	561.8	561.8
15°	545.5	542.7	471.8	409.1	411.8	490.9	450.0	591.8	624.6	630.0	632.7
17.5°	477.3	471.8	433.6	430.9	455.5	395.5	499.1	564.6	537.3	545.5	545.5
20°	570.0	567.3	496.4	411.8	406.4	482.7	441.8	512.7	610.9	630.0	632.7
22.5°	441.8	441.8	455.5	482.7	439.1	460.9	471.8	542.7	523.6	534.6	567.3
25°	627.3	621.8	550.9	433.6	471.8	444.6	493.6	515.5	605.5	627.3	632.7
27.5°	760.9	747.3	591.8	488.2	425.5	477.3	474.6	499.1	512.7	597.3	608.2
30°	897.3	883.7	760.9	548.2	441.8	411.8	452.7	534.6	616.4	630.0	640.9
32.5°	946.4	935.5	777.3	580.9	444.6	439.1	450.0	534.6	676.4	730.9	741.8
35°	998.2	984.6	793.7	567.3	433.6	409.1	425.5	550.9	673.7	709.1	717.3
37.5°	1060.9	1036.4	812.7	540.0	403.6	387.3	406.4	501.8	640.9	676.4	681.8
40°	1140.0	1115.5	837.3	510.0	373.6	360.0	370.9	466.4	561.8	591.8	605.5
42.5°	1260.0	1213.7	848.2	485.5	346.4	332.7	343.6	420.0	493.6	512.7	520.9
45°	1415.5	1333.7	864.6	452.7	321.8	302.7	319.1	384.6	420.0	420.0	420.0
47.5°	1606.4	1475.5	872.7	425.5	291.8	275.5	291.8	349.1	368.2	357.3	354.6
50°	1841.0	1655.5	913.7	392.7	267.3	253.6	280.9	308.2	316.4	321.8	321.8
52.5°	2116.4	1862.8	938.2	360.0	250.9	242.7	270.0	289.1	291.8	297.3	297.3
55°	2416.4	2089.1	951.8	330.0	240.0	229.1	259.1	278.2	278.2	283.6	283.6
57.5°	2727.3	2351.0	987.3	308.2	229.1	218.2	248.2	280.9	270.0	280.9	283.6
60°	3054.6	2593.7	957.3	286.4	212.7	210.0	250.9	300.0	297.3	310.9	313.6
62.5°	3362.8	2787.3	823.7	267.3	201.8	212.7	280.9	338.2	330.0	351.8	351.8
65°	3537.4	2852.8	605.5	256.4	193.6	229.1	310.9	376.4	349.1	360.0	354.6
67.5°	3575.5	2787.3	436.4	242.7	190.9	256.4	332.7	384.6	346.4	357.3	357.3
70°	3485.5	2634.6	351.8	231.8	188.2	259.1	338.2	384.6	349.1	373.6	368.2
72.5°	3079.2	2241.9	300.0	220.9	188.2	253.6	346.4	387.3	357.3	398.2	390.0
75°	2321.0	1677.3	264.6	210.0	177.3	245.5	351.8	390.0	346.4	390.0	384.6
77.5°	1380.0	957.3	234.6	196.4	163.6	237.3	346.4	390.0	338.2	384.6	379.1
80°	583.7	450.0	199.1	171.8	150.0	226.4	340.9	387.3	324.6	373.6	365.5
82.5°	368.2	305.5	169.1	141.8	147.3	223.6	343.6	381.8	319.1	376.4	349.1
85°	297.3	250.9	144.5	120.0	136.4	229.1	330.0	346.4	275.5	324.6	316.4
87.5°	250.9	210.0	65.5	51.8	100.9	177.3	250.9	259.1	199.1	253.6	242.7
90°	275.5	229.1	62.7	43.6	90.0	155.5	231.8	226.4	190.9	242.7	240.0
92.5°	300.0	242.7	60.0	46.4	100.9	169.1	253.6	229.1	201.8	245.5	242.7
95°	310.9	248.2	57.3	49.1	120.0	185.5	270.0	223.6	212.7	226.4	223.6
97.5°	234.6	180.0	54.5	51.8	125.5	210.0	253.6	188.2	139.1	139.1	136.4
100°	60.0	60.0	49.1	49.1	84.5	152.7	193.6	139.1	79.1	60.0	62.7
102.5°	16.4	19.1	43.6	46.4	46.4	68.2	109.1	90.0	51.8	8.2	8.2
105°	16.4	16.4	30.0	35.5	24.5	21.8	43.6	49.1	38.2	5.5	8.2
107.5°	16.4	16.4	13.6	19.1	8.2	10.9	10.9	13.6	13.6	5.5	5.5
110°	19.1	16.4	8.2	8.2	5.5	5.5	5.5	5.5	5.5	10.9	10.9

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CATALOG NUMBER: SDL-PA1-90-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

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