

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: P561154

Luminaire Tested: **SDL-PA1-80-827-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-827-U-T2U-A
Description: Springdale
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6519.1 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B2 - U3 - G2

Input Watts (W): 82
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

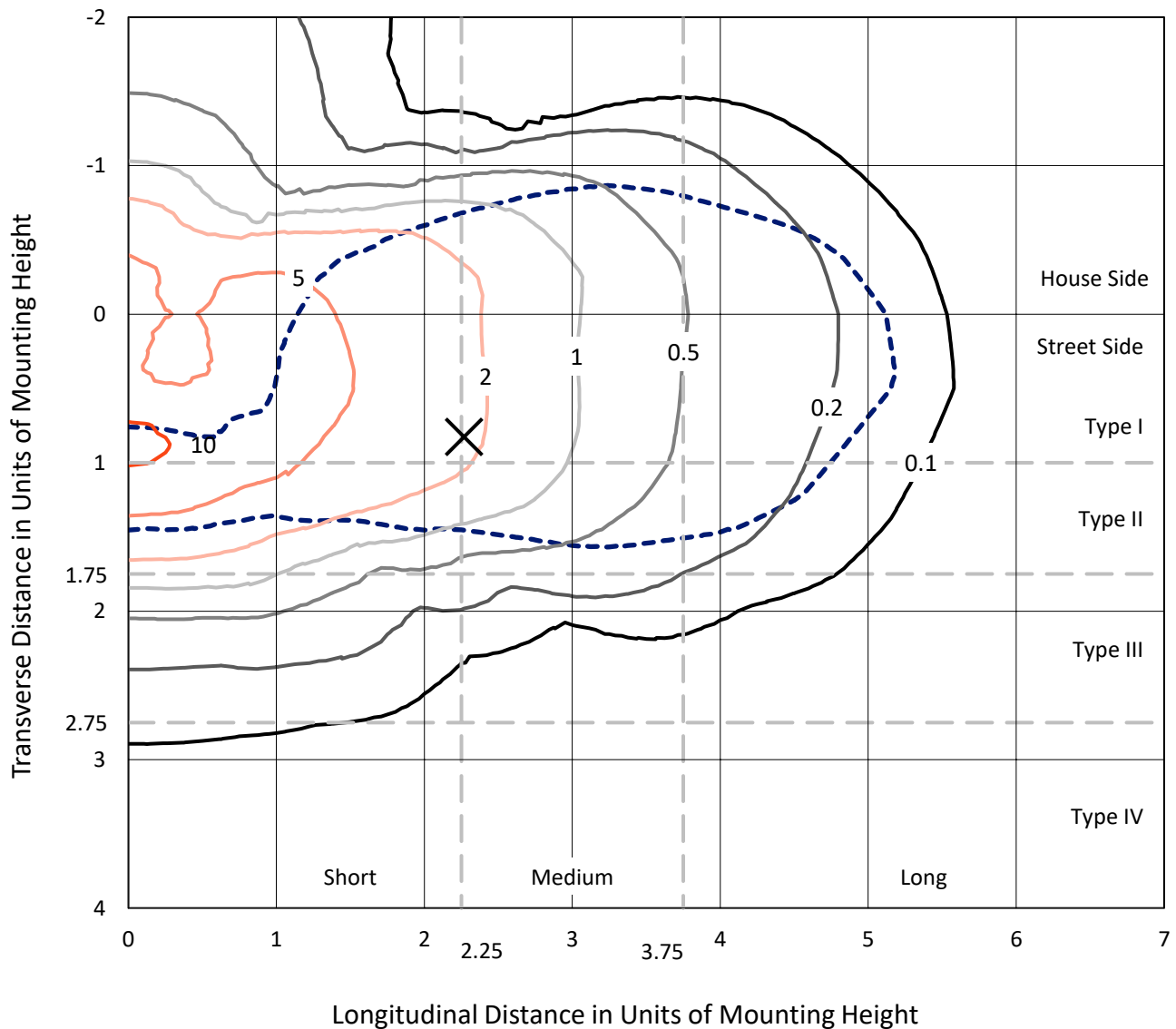


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

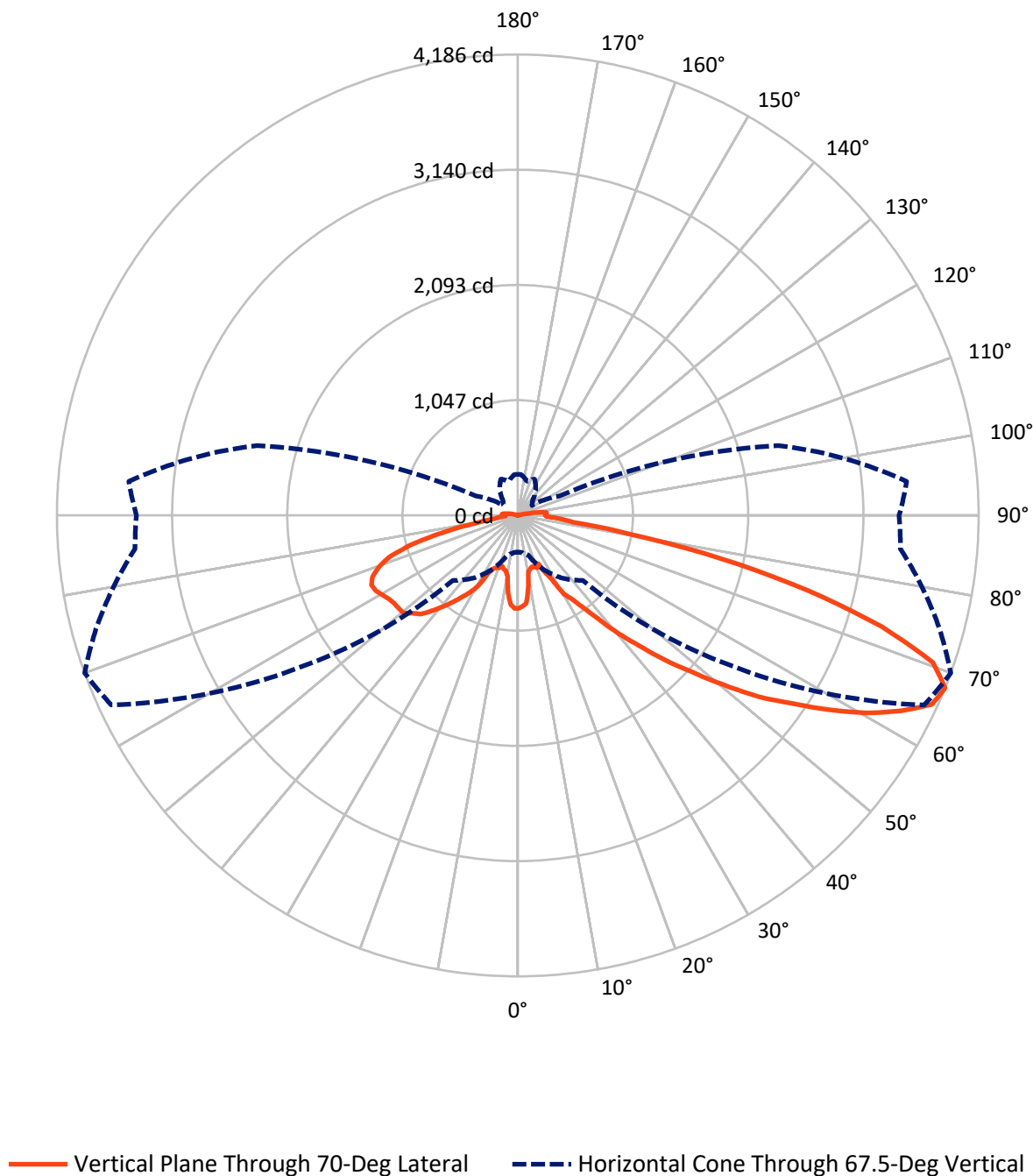


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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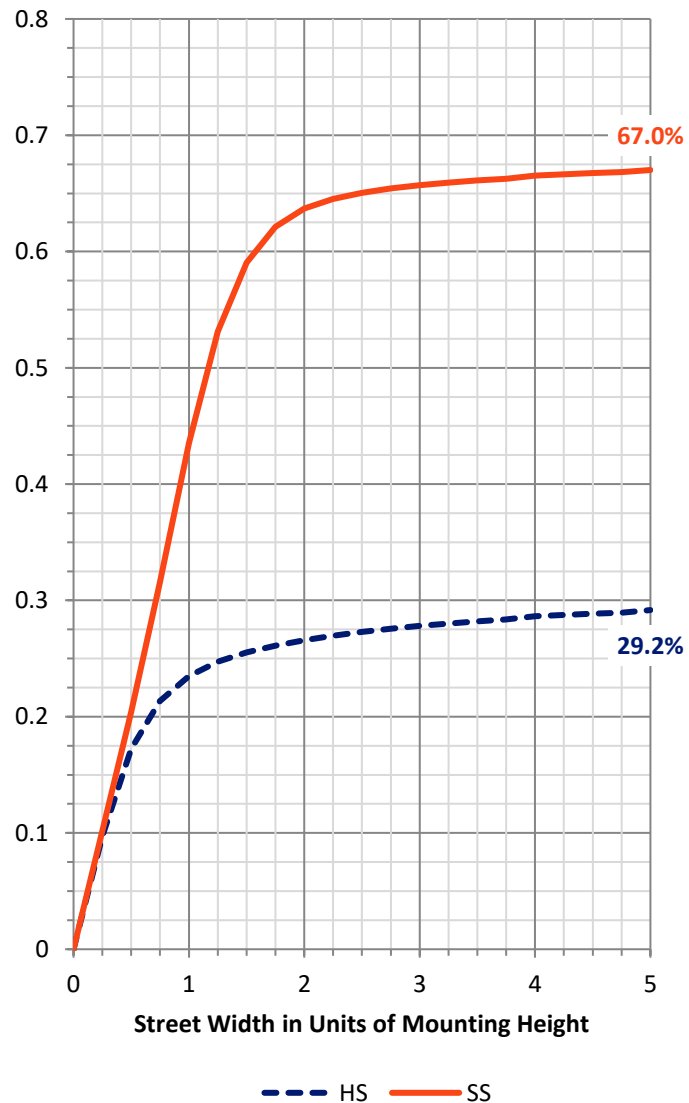
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1960.8	76.9	2037.7
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	4407.0	74.4	4481.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	6367.8	151.3	6519.1
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.0
10°-20°	156.4	2.4
20°-30°	277.4	4.3
30°-40°	584.6	9.0
40°-50°	1093.0	16.8
50°-60°	1513.7	23.2
60°-70°	1459.6	22.4
70°-80°	959.6	14.7
80°-90°	255.7	3.9
90°-100°	104.9	1.6
100°-110°	22.9	0.4
110°-120°	9.9	0.2
120°-130°	7.1	0.1
130°-140°	3.2	0.0
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6367.8	97.7
0°-180°	6519.1	100.0

Coefficient of Utilization



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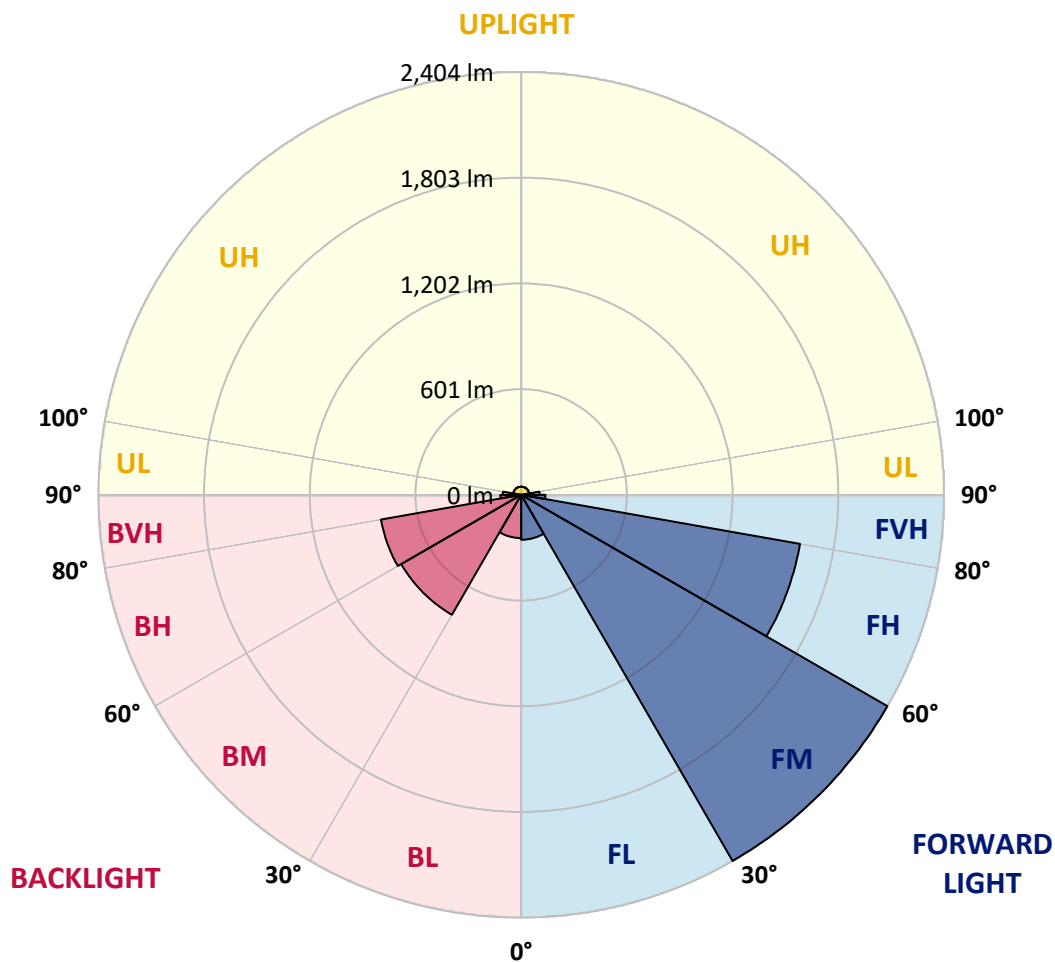
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	255.5	3.9			
FM	(30°-60°)	2404.1	36.9			
FH	(60°-80°)	1609.8	24.7			G1/1800
FVH	(80°-90°)	137.6	2.1			G2/225
BL	(0°-30°)	246.0	3.8	B1/500		
BM	(30°-60°)	787.2	12.1	B1/1000		
BH	(60°-80°)	809.4	12.4	B2/1000		G2/1000
BVH	(80°-90°)	118.1	1.8			G2/225
UL	(90°-100°)	104.9	1.6		U3/500	
UH	(100°-180°)	46.4	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7
2.5°	704.3	761.5	744.1	798.9	811.3	823.8	826.3	828.7	826.3	828.7	833.7
5°	664.5	667.0	669.5	674.4	674.4	679.4	689.4	793.9	803.9	811.3	821.3
7.5°	555.0	579.9	627.2	644.6	652.0	662.0	667.0	667.0	676.9	701.8	719.2
10°	617.2	612.2	614.7	617.2	582.4	574.9	522.6	515.2	522.6	540.1	622.2
12.5°	517.7	542.5	594.8	607.2	564.9	500.2	492.8	502.7	500.2	450.5	527.6
15°	599.8	597.3	592.3	582.4	472.9	495.3	425.6	430.5	482.8	517.7	589.8
17.5°	522.6	520.1	589.8	569.9	497.7	385.8	485.3	450.5	492.8	455.4	487.8
20°	649.6	647.1	639.6	475.3	507.7	512.7	470.4	435.5	507.7	525.1	592.3
22.5°	589.8	589.8	637.1	624.7	515.2	542.5	448.0	530.1	475.3	482.8	448.0
25°	811.3	803.9	793.9	579.9	619.7	497.7	555.0	487.8	567.4	614.7	644.6
27.5°	786.4	771.5	761.5	769.0	622.2	652.0	550.0	607.2	654.5	674.4	751.6
30°	1105.0	1085.1	1055.2	806.3	774.0	667.0	664.5	751.6	828.7	891.0	933.3
32.5°	1408.6	1413.6	1259.3	1082.6	856.1	891.0	791.4	881.0	905.9	970.6	995.5
35°	1806.8	1757.0	1660.0	1351.4	1042.8	1007.9	920.8	1005.4	1030.3	1092.5	1107.5
37.5°	2120.4	2122.9	1973.5	1625.1	1249.3	1219.5	1067.7	1154.8	1199.6	1269.2	1244.4
40°	2421.5	2434.0	2314.5	1906.4	1510.6	1428.5	1244.4	1346.4	1408.6	1450.9	1408.6
42.5°	2690.3	2687.8	2605.7	2217.4	1754.5	1707.3	1431.0	1562.9	1617.7	1657.5	1625.1
45°	2901.8	2894.4	2819.7	2471.3	2043.2	2107.9	1674.9	1811.8	1869.0	1913.8	1834.2
47.5°	2974.0	2934.2	2901.8	2655.5	2312.0	2461.3	1976.0	2053.2	2120.4	2197.5	2068.1
50°	2896.9	2844.6	2857.0	2742.6	2538.5	2757.5	2299.6	2331.9	2414.0	2481.2	2289.6
52.5°	2575.8	2563.4	2633.1	2655.5	2635.5	2984.0	2662.9	2570.8	2732.6	2740.1	2518.6
55°	2152.7	2137.8	2302.1	2394.1	2543.5	3073.6	2971.5	2906.8	3011.3	2998.9	2722.6
57.5°	1734.6	1724.7	1874.0	2025.8	2284.6	3023.8	3188.0	3275.1	3327.4	3257.7	2911.8
60°	1162.2	1182.1	1438.5	1642.5	1869.0	2725.1	3270.2	3618.6	3643.5	3494.1	3110.9
62.5°	741.6	769.0	933.3	1266.8	1396.2	2212.5	3210.4	3924.7	3909.8	3708.2	3295.1
65°	475.3	485.3	564.9	858.6	1000.5	1465.9	2944.1	4133.7	4136.2	3899.8	3441.9
67.5°	333.5	336.0	373.3	535.1	691.9	833.7	2394.1	4074.0	4186.0	3964.5	3489.2
70°	298.6	301.1	311.1	363.4	525.1	517.7	1450.9	3641.0	4001.8	3879.9	3417.0
72.5°	266.3	268.8	286.2	316.1	403.2	405.7	694.4	2899.3	3459.3	3578.8	3203.0
75°	221.5	226.5	246.4	296.2	311.1	341.0	465.4	2038.3	2722.6	3083.5	2949.1
77.5°	186.7	189.1	204.1	251.4	271.3	276.2	398.2	1129.9	1881.5	2269.7	2598.2
80°	149.3	149.3	161.8	199.1	224.0	226.5	355.9	597.3	1042.8	1373.8	1806.8
82.5°	97.1	99.5	114.5	149.3	166.7	224.0	316.1	435.5	510.2	662.0	821.3
85°	62.2	62.2	72.2	84.6	99.5	171.7	278.7	360.9	380.8	415.6	373.3
87.5°	29.9	29.9	27.4	32.4	37.3	64.7	194.1	256.3	258.8	253.8	273.8
90°	24.9	24.9	19.9	22.4	24.9	34.8	146.8	251.4	248.9	258.8	283.7
92.5°	27.4	27.4	19.9	22.4	24.9	29.9	107.0	253.8	261.3	273.8	301.1
95°	29.9	29.9	19.9	19.9	22.4	27.4	67.2	219.0	263.8	276.2	311.1
97.5°	27.4	27.4	14.9	17.4	19.9	24.9	42.3	164.3	206.6	216.5	246.4
100°	24.9	24.9	12.4	14.9	17.4	19.9	27.4	84.6	89.6	67.2	94.6
102.5°	22.4	24.9	10.0	12.4	12.4	12.4	17.4	39.8	39.8	22.4	24.9
105°	22.4	24.9	10.0	10.0	7.5	10.0	10.0	14.9	17.4	12.4	19.9
107.5°	24.9	24.9	10.0	10.0	7.5	7.5	7.5	10.0	12.4	10.0	19.9
110°	22.4	22.4	7.5	10.0	5.0	5.0	5.0	7.5	10.0	10.0	22.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	14.9	14.9	7.5	10.0	5.0	5.0	5.0	7.5	10.0	12.4	27.4
115°	12.4	10.0	5.0	7.5	5.0	5.0	5.0	7.5	7.5	10.0	22.4
117.5°	12.4	10.0	5.0	5.0	2.5	5.0	5.0	7.5	7.5	10.0	19.9
120°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	5.0	7.5	12.4	22.4
122.5°	14.9	12.4	5.0	5.0	2.5	2.5	2.5	5.0	7.5	12.4	22.4
125°	14.9	14.9	7.5	5.0	2.5	2.5	2.5	5.0	7.5	10.0	19.9
127.5°	14.9	12.4	7.5	5.0	2.5	2.5	2.5	2.5	5.0	7.5	17.4
130°	12.4	12.4	7.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	12.4
132.5°	10.0	10.0	7.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	10.0
135°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	7.5
137.5°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
150°	5.0	5.0	10.0	7.5	5.0	2.5	5.0	2.5	2.5	2.5	2.5
152.5°	7.5	7.5	10.0	7.5	2.5	2.5	2.5	5.0	2.5	2.5	2.5
155°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	5.0	7.5
157.5°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7
2.5°	836.2	836.2	843.7	846.2	843.7	841.2	826.3	781.5	754.1	756.6	756.6
5°	823.8	826.3	833.7	788.9	734.2	739.1	746.6	749.1	749.1	754.1	754.1
7.5°	726.7	729.2	709.3	716.7	734.2	746.6	751.6	739.1	699.3	684.4	684.4
10°	629.6	629.6	560.0	562.4	582.4	619.7	736.7	749.1	761.5	764.0	761.5
12.5°	532.6	535.1	477.8	550.0	525.1	592.3	679.4	751.6	694.4	637.1	644.6
15°	594.8	599.8	537.6	472.9	485.3	584.8	507.7	696.8	701.8	701.8	701.8
17.5°	477.8	505.2	475.3	487.8	537.6	440.5	574.9	637.1	584.8	569.9	569.9
20°	594.8	594.8	542.5	470.4	497.7	572.4	510.2	567.4	667.0	667.0	664.5
22.5°	443.0	443.0	475.3	545.0	500.2	564.9	540.1	587.3	530.1	530.1	545.0
25°	639.6	632.1	577.4	482.8	569.9	522.6	542.5	512.7	599.8	607.2	602.3
27.5°	771.5	766.5	619.7	555.0	535.1	557.5	487.8	477.8	460.4	530.1	522.6
30°	913.4	900.9	811.3	669.5	587.3	470.4	440.5	457.9	507.7	510.2	507.7
32.5°	980.6	953.2	853.6	801.4	599.8	485.3	395.7	408.1	505.2	535.1	535.1
35°	1072.6	1042.8	930.8	873.5	597.3	428.1	350.9	395.7	455.4	457.9	457.9
37.5°	1199.6	1154.8	1060.2	915.8	557.5	378.3	323.5	350.9	393.2	405.7	410.6
40°	1346.4	1289.2	1204.5	943.2	500.2	318.6	288.7	323.5	355.9	345.9	345.9
42.5°	1553.0	1468.3	1346.4	985.5	428.1	281.2	263.8	296.2	318.6	323.5	321.0
45°	1747.1	1642.5	1513.1	1000.5	348.4	253.8	246.4	281.2	303.6	296.2	296.2
47.5°	1966.1	1834.2	1637.6	965.6	286.2	238.9	246.4	271.3	281.2	293.7	293.7
50°	2182.6	2040.7	1819.2	910.9	253.8	229.0	246.4	261.3	281.2	288.7	286.2
52.5°	2379.2	2254.8	1928.8	813.8	236.4	221.5	238.9	261.3	286.2	298.6	298.6
55°	2593.2	2466.3	2028.3	726.7	221.5	206.6	246.4	271.3	278.7	286.2	286.2
57.5°	2755.0	2655.5	2137.8	649.6	211.5	206.6	251.4	283.7	281.2	288.7	288.7
60°	2951.6	2864.5	2237.4	612.2	196.6	196.6	261.3	306.1	286.2	308.6	308.6
62.5°	3160.7	3108.4	2334.4	584.8	181.7	191.6	263.8	323.5	296.2	331.0	333.5
65°	3362.2	3372.2	2424.0	520.1	169.2	191.6	268.8	345.9	306.1	350.9	355.9
67.5°	3464.3	3546.4	2448.9	418.1	156.8	189.1	283.7	363.4	321.0	370.8	373.3
70°	3444.4	3551.4	2391.7	308.6	146.8	199.1	306.1	378.3	328.5	395.7	395.7
72.5°	3270.2	3347.3	2222.4	233.9	136.9	191.6	311.1	383.3	333.5	435.5	435.5
75°	3023.8	2944.1	1829.2	194.1	129.4	191.6	303.6	378.3	328.5	425.6	423.1
77.5°	2623.1	2356.8	1261.8	171.7	121.9	184.2	283.7	368.3	313.6	395.7	400.7
80°	1682.4	1450.9	644.6	149.3	129.4	176.7	273.8	341.0	291.2	353.4	355.9
82.5°	766.5	644.6	293.7	131.9	126.9	159.3	248.9	303.6	253.8	301.1	298.6
85°	323.5	328.5	231.5	112.0	112.0	124.4	184.2	236.4	196.6	211.5	206.6
87.5°	251.4	241.4	159.3	67.2	72.2	54.8	119.5	169.2	129.4	136.9	134.4
90°	266.3	261.3	169.2	69.7	52.3	32.4	89.6	131.9	97.1	87.1	84.6
92.5°	283.7	281.2	189.1	74.7	52.3	27.4	77.2	107.0	69.7	59.7	57.2
95°	303.6	303.6	206.6	79.6	52.3	27.4	69.7	82.1	52.3	39.8	37.3
97.5°	241.4	246.4	176.7	82.1	49.8	27.4	62.2	67.2	39.8	22.4	22.4
100°	97.1	107.0	97.1	82.1	44.8	22.4	49.8	52.3	27.4	12.4	12.4
102.5°	22.4	27.4	67.2	72.2	34.8	14.9	32.4	32.4	17.4	7.5	7.5
105°	22.4	19.9	44.8	57.2	19.9	10.0	14.9	19.9	10.0	5.0	5.0
107.5°	22.4	22.4	19.9	27.4	10.0	7.5	7.5	7.5	5.0	5.0	5.0
110°	24.9	22.4	10.0	10.0	7.5	7.5	5.0	5.0	2.5	14.9	17.4



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CATALOG NUMBER: SDL-PA1-80-827-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.9	27.4	12.4	10.0	7.5	7.5	5.0	5.0	7.5	24.9	24.9
115°	24.9	22.4	12.4	7.5	7.5	7.5	5.0	2.5	7.5	27.4	27.4
117.5°	22.4	19.9	12.4	7.5	5.0	7.5	5.0	2.5	7.5	27.4	27.4
120°	24.9	22.4	12.4	7.5	5.0	5.0	5.0	2.5	7.5	24.9	24.9
122.5°	24.9	24.9	14.9	5.0	5.0	2.5	5.0	2.5	7.5	22.4	22.4
125°	22.4	19.9	12.4	5.0	2.5	2.5	2.5	2.5	10.0	19.9	22.4
127.5°	19.9	17.4	10.0	5.0	2.5	2.5	2.5	2.5	7.5	14.9	17.4
130°	14.9	14.9	7.5	5.0	2.5	2.5	2.5	2.5	7.5	14.9	12.4
132.5°	10.0	10.0	7.5	5.0	2.5	2.5	2.5	2.5	7.5	10.0	10.0
135°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	5.0	2.5	2.5	5.0	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	7.5	7.5	5.0
155°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	0.0	0.0	2.5	0.0
160°	0.0	0.0	2.5	2.5	2.5	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)