

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: P561159

Luminaire Tested: **SDL-PA1-80-827-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
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-T3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4784.1 lumens
Efficiency: N/A
Efficacy: 58.3 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 - G2

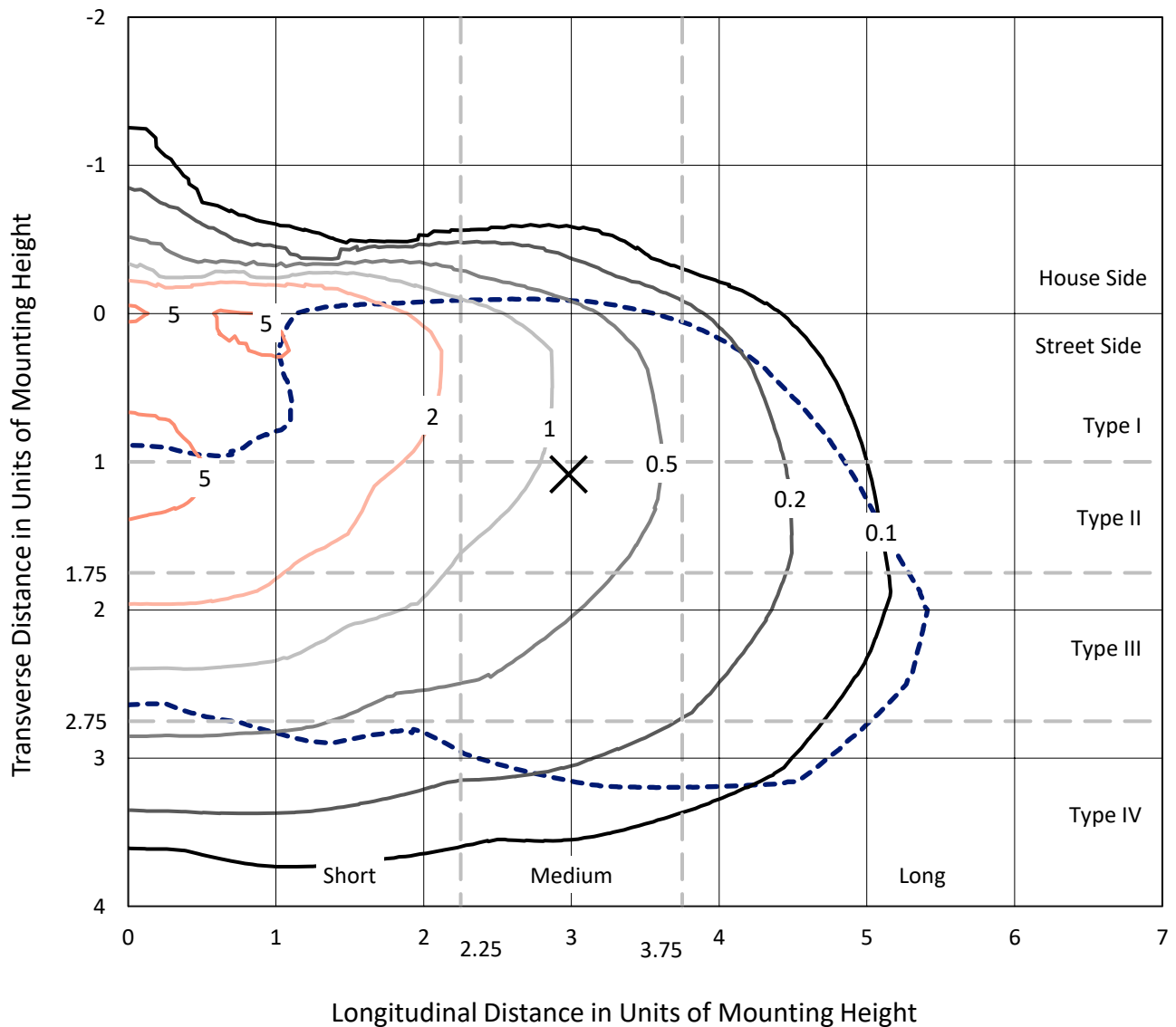
Input Watts (W): 82
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

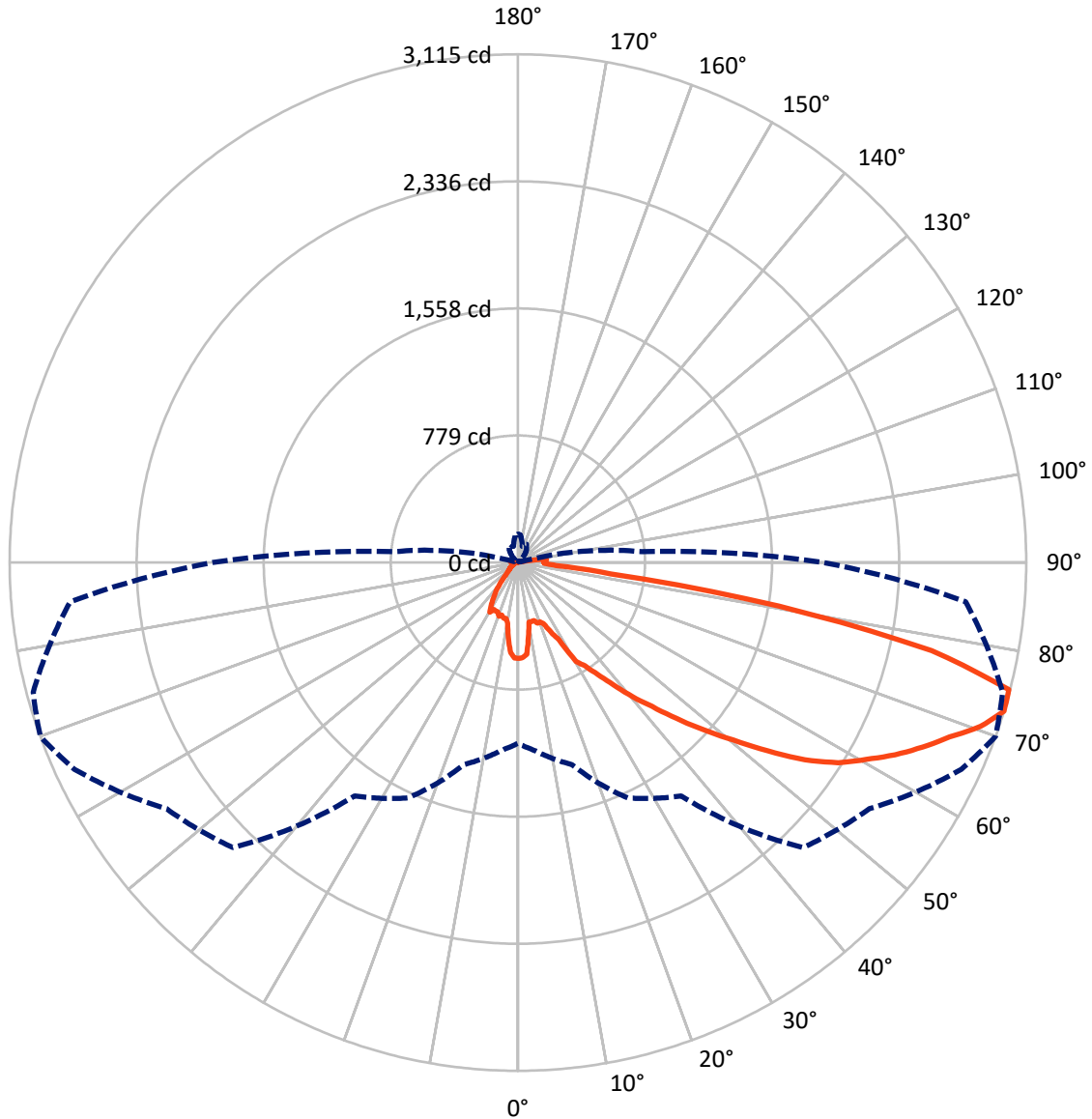
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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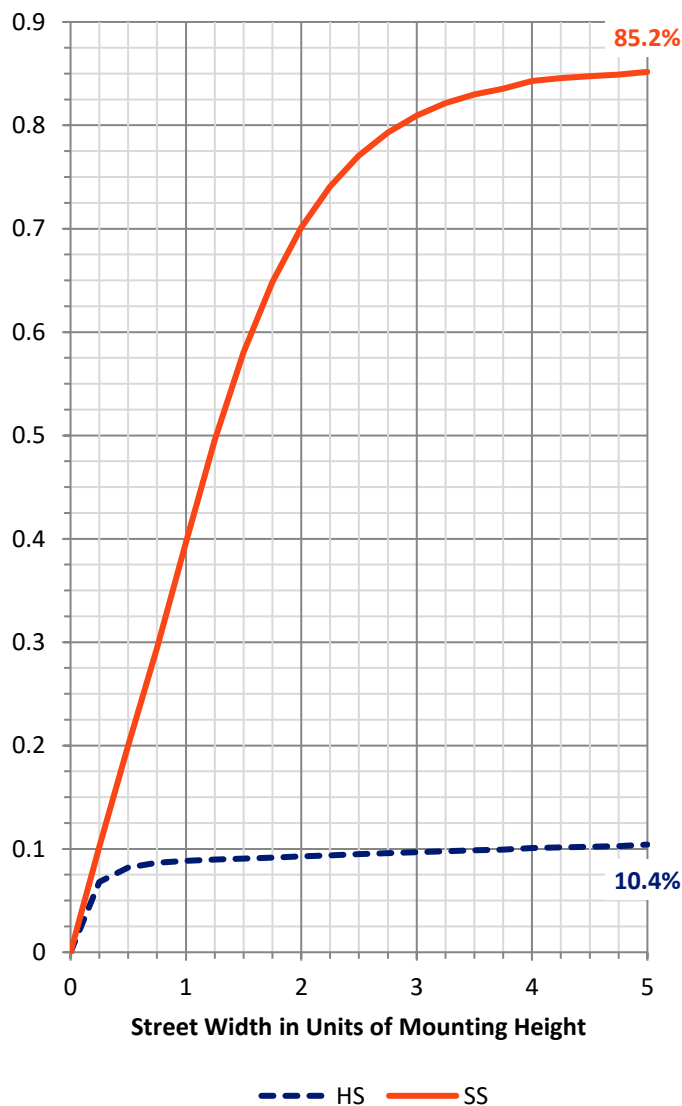
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	548.4	77.2	625.5
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	4096.1	62.4	4158.6
	% Fixture	85.6	1.3	86.9
Total	Lumens	4644.5	139.6	4784.1
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	0.9
10°-20°	89.6	1.9
20°-30°	145.1	3.0
30°-40°	310.1	6.5
40°-50°	609.6	12.7
50°-60°	1018.0	21.3
60°-70°	1263.4	26.4
70°-80°	973.0	20.3
80°-90°	190.3	4.0
90°-100°	103.2	2.2
100°-110°	21.4	0.4
110°-120°	6.1	0.1
120°-130°	4.7	0.1
130°-140°	2.2	0.0
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4644.5	97.1
0°-180°	4784.1	100.0

Coefficient of Utilization



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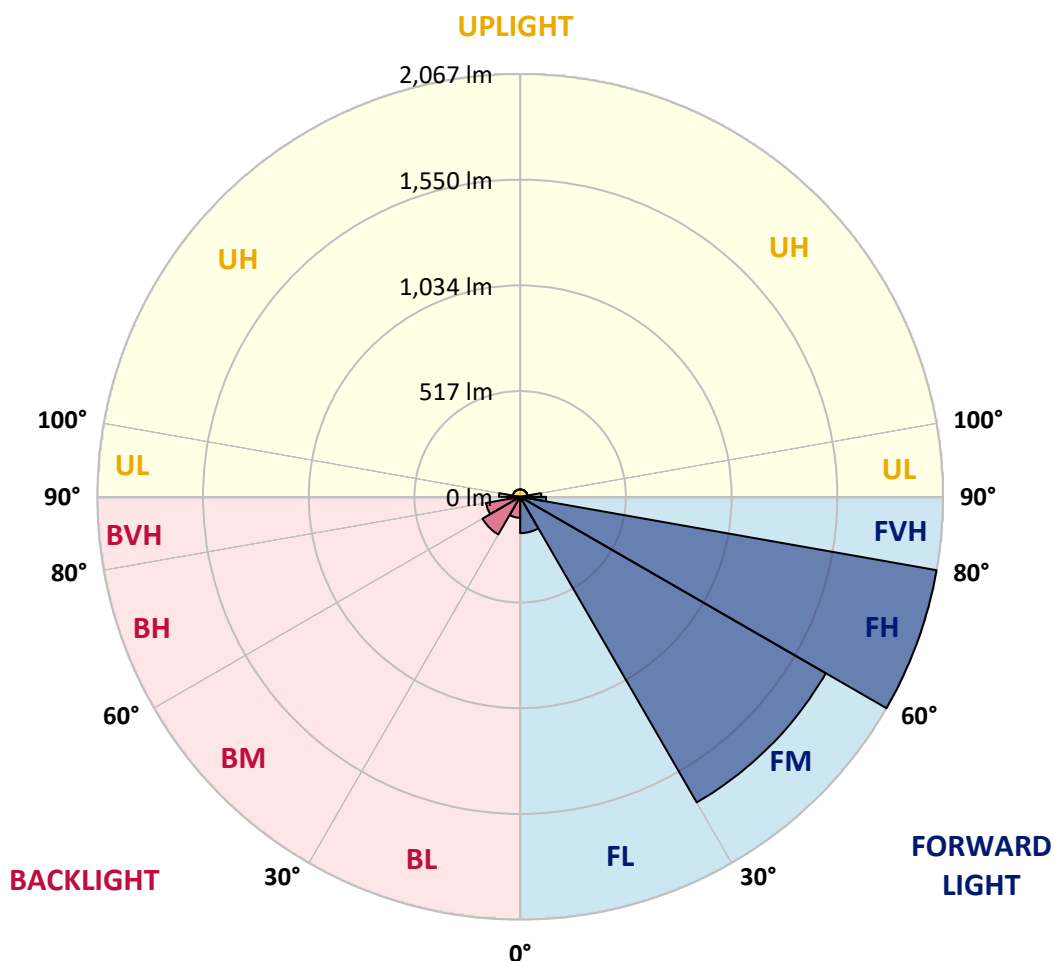
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.5	3.7			
FM (30°-60°)	1725.0	36.1			
FH (60°-80°)	2067.0	43.2			G2/5000
FVH (80°-90°)	126.6	2.6			G2/225
BL (0°-30°)	102.6	2.1	B0/110		
BM (30°-60°)	212.7	4.4	B0/220		
BH (60°-80°)	169.5	3.5	B1/500		G1/500
BVH (80°-90°)	63.7	1.3			G1/100
UL (90°-100°)	103.2	2.2		U3/500	
UH (100°-180°)	36.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6
2.5°	495.5	550.3	552.8	557.8	562.7	570.2	582.7	582.7	582.7	582.7	585.1
5°	470.6	470.6	470.6	475.6	475.6	480.6	483.1	557.8	565.2	572.7	572.7
7.5°	390.9	428.3	430.8	445.7	463.1	470.6	475.6	470.6	463.1	493.0	505.5
10°	428.3	428.3	428.3	433.3	408.4	395.9	366.0	368.5	371.0	393.4	448.2
12.5°	356.1	378.5	400.9	425.8	393.4	353.6	346.1	366.0	371.0	331.2	393.4
15°	415.8	413.3	413.3	390.9	326.2	353.6	308.8	326.2	368.5	403.4	468.1
17.5°	343.6	333.7	388.4	383.5	348.6	278.9	356.1	353.6	390.9	361.0	403.4
20°	408.4	405.9	405.9	313.7	346.1	376.0	371.0	346.1	388.4	433.3	510.4
22.5°	343.6	338.6	348.6	376.0	343.6	388.4	338.6	428.3	408.4	395.9	371.0
25°	433.3	430.8	430.8	343.6	388.4	356.1	428.3	390.9	473.1	515.4	562.7
27.5°	388.4	388.4	371.0	398.4	371.0	448.2	410.8	493.0	535.3	562.7	679.8
30°	537.8	540.3	510.4	395.9	413.3	420.8	485.5	610.0	702.2	769.4	841.6
32.5°	774.4	759.4	634.9	540.3	438.2	520.4	537.8	709.6	754.5	826.7	888.9
35°	1053.3	1045.8	936.2	699.7	527.9	557.8	600.1	771.9	841.6	913.8	951.2
37.5°	1245.0	1237.5	1167.8	891.4	637.4	649.9	654.9	859.0	948.7	1020.9	1038.3
40°	1401.9	1389.4	1347.1	1040.8	784.3	759.4	734.5	978.6	1080.7	1140.4	1147.9
42.5°	1638.4	1618.5	1511.4	1212.6	933.7	906.4	821.7	1083.1	1205.2	1284.8	1289.8
45°	1922.3	1904.8	1755.4	1451.7	1093.1	1085.6	976.1	1217.6	1362.0	1456.6	1429.3
47.5°	2116.5	2069.2	1984.5	1680.7	1339.6	1274.9	1147.9	1354.6	1531.3	1673.3	1596.1
50°	2293.3	2258.4	2186.2	1934.7	1606.0	1518.9	1327.2	1511.4	1710.6	1840.1	1735.5
52.5°	2457.6	2405.3	2345.6	2124.0	1835.1	1792.8	1504.0	1668.3	1917.3	2024.4	1879.9
55°	2539.8	2457.6	2447.7	2295.8	2011.9	1977.1	1703.2	1862.5	2133.9	2208.6	2016.9
57.5°	2405.3	2402.8	2480.0	2400.4	2156.3	2138.9	1904.8	2071.7	2315.7	2350.6	2151.4
60°	2315.7	2318.2	2435.2	2440.2	2283.3	2293.3	2086.6	2313.2	2450.2	2472.6	2278.3
62.5°	2158.8	2176.3	2353.0	2467.6	2315.7	2440.2	2241.0	2480.0	2594.6	2602.0	2435.2
65°	1962.1	1979.5	2158.8	2392.9	2280.8	2537.3	2370.5	2666.8	2726.5	2731.5	2607.0
67.5°	1733.0	1740.5	1939.7	2198.7	2196.2	2572.2	2450.2	2791.3	2853.5	2868.5	2753.9
70°	1479.1	1469.1	1650.9	1949.7	2014.4	2554.7	2547.3	2913.3	3007.9	3005.4	2856.0
72.5°	1108.0	1155.4	1282.3	1591.1	1745.5	2470.1	2629.4	2998.0	3115.0	3075.1	2753.9
75°	378.5	403.4	747.0	1013.4	1344.6	2243.5	2646.9	3002.9	3107.5	2930.7	2253.4
77.5°	124.5	117.0	166.8	403.4	747.0	1553.8	2328.1	2619.5	2592.1	2278.3	1384.4
80°	59.8	62.2	74.7	141.9	273.9	704.7	1461.6	1658.3	1621.0	1195.2	600.1
82.5°	39.8	42.3	49.8	82.2	154.4	241.5	776.9	757.0	572.7	376.0	246.5
85°	17.4	17.4	24.9	42.3	94.6	159.4	296.3	259.0	234.1	216.6	201.7
87.5°	5.0	5.0	10.0	14.9	32.4	99.6	166.8	156.9	161.8	169.3	191.7
90°	5.0	5.0	5.0	5.0	24.9	104.6	169.3	159.4	159.4	169.3	201.7
92.5°	7.5	7.5	5.0	5.0	22.4	104.6	176.8	151.9	161.8	171.8	216.6
95°	7.5	10.0	5.0	2.5	17.4	107.1	181.8	161.8	176.8	174.3	231.6
97.5°	10.0	10.0	5.0	2.5	10.0	92.1	184.3	132.0	134.5	124.5	181.8
100°	12.4	12.4	5.0	5.0	7.5	47.3	136.9	84.7	52.3	39.8	59.8
102.5°	14.9	14.9	5.0	5.0	5.0	17.4	62.2	49.8	27.4	7.5	14.9
105°	14.9	17.4	5.0	5.0	2.5	7.5	27.4	19.9	10.0	7.5	14.9
107.5°	17.4	17.4	5.0	5.0	2.5	5.0	7.5	7.5	5.0	7.5	14.9
110°	17.4	17.4	7.5	5.0	2.5	5.0	2.5	5.0	5.0	7.5	17.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	12.4	12.4	5.0	7.5	2.5	2.5	2.5	5.0	5.0	7.5	14.9
115°	7.5	5.0	2.5	5.0	2.5	2.5	2.5	5.0	5.0	5.0	12.4
117.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	7.5	14.9
120°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	10.0	17.4
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	10.0	19.9
125°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	7.5	17.4
127.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	5.0	7.5	14.9
130°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0
132.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0
135°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0
137.5°	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	5.0	5.0	2.5	2.5
155°	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	5.0	5.0
157.5°	0.0	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5
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°	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6
2.5°	585.1	585.1	582.7	587.6	585.1	585.1	552.8	520.4	512.9	515.4	520.4
5°	575.2	575.2	575.2	535.3	490.5	475.6	480.6	480.6	480.6	478.1	483.1
7.5°	508.0	505.5	498.0	453.2	473.1	470.6	468.1	463.1	403.4	388.4	388.4
10°	450.7	450.7	385.9	368.5	368.5	383.5	393.4	378.5	371.0	358.6	356.1
12.5°	395.9	395.9	331.2	368.5	311.2	308.8	301.3	276.4	234.1	204.2	206.7
15°	470.6	470.6	390.9	313.7	261.4	246.5	154.4	144.4	139.4	136.9	134.5
17.5°	400.9	403.4	361.0	311.2	244.0	129.5	109.6	109.6	109.6	104.6	94.6
20°	508.0	508.0	420.8	278.9	184.3	102.1	84.7	74.7	102.1	102.1	102.1
22.5°	368.5	363.5	371.0	283.9	114.5	82.2	69.7	87.1	92.1	77.2	77.2
25°	557.8	550.3	450.7	204.2	94.6	64.7	77.2	67.2	87.1	87.1	87.1
27.5°	687.2	637.4	458.2	186.7	69.7	74.7	62.2	74.7	67.2	64.7	64.7
30°	826.7	804.3	552.8	146.9	67.2	62.2	64.7	59.8	69.7	64.7	64.7
32.5°	871.5	849.1	500.5	114.5	64.7	59.8	54.8	57.3	54.8	57.3	57.3
35°	928.8	906.4	443.2	87.1	59.8	52.3	49.8	49.8	47.3	44.8	44.8
37.5°	1010.9	973.6	378.5	74.7	54.8	47.3	39.8	37.3	39.8	49.8	52.3
40°	1105.6	1043.3	298.8	67.2	47.3	39.8	29.9	34.9	42.3	42.3	42.3
42.5°	1242.5	1128.0	221.6	62.2	42.3	32.4	22.4	27.4	32.4	44.8	44.8
45°	1362.0	1177.8	156.9	57.3	34.9	24.9	17.4	27.4	34.9	39.8	39.8
47.5°	1501.5	1225.1	117.0	54.8	32.4	17.4	19.9	27.4	27.4	42.3	42.3
50°	1618.5	1235.0	94.6	49.8	24.9	12.4	24.9	24.9	29.9	37.3	37.3
52.5°	1728.1	1245.0	84.7	44.8	19.9	10.0	24.9	24.9	34.9	44.8	44.8
55°	1800.3	1215.1	77.2	39.8	17.4	7.5	27.4	27.4	27.4	34.9	34.9
57.5°	1857.5	1177.8	72.2	34.9	14.9	14.9	29.9	34.9	29.9	34.9	34.9
60°	1894.9	1110.5	62.2	32.4	12.4	14.9	37.3	44.8	34.9	52.3	52.3
62.5°	1962.1	1058.2	54.8	29.9	10.0	14.9	37.3	57.3	44.8	69.7	72.2
65°	2016.9	1010.9	47.3	22.4	10.0	19.9	42.3	72.2	54.8	87.1	89.6
67.5°	2039.3	953.7	39.8	19.9	10.0	22.4	54.8	89.6	69.7	102.1	102.1
70°	2021.9	893.9	32.4	19.9	10.0	34.9	72.2	104.6	84.7	124.5	127.0
72.5°	1870.0	761.9	24.9	19.9	7.5	37.3	89.6	124.5	102.1	169.3	174.3
75°	1431.7	483.1	24.9	19.9	10.0	42.3	104.6	144.4	122.0	189.2	196.7
77.5°	874.0	224.1	24.9	22.4	12.4	52.3	114.5	166.8	134.5	204.2	209.2
80°	388.4	139.4	24.9	24.9	24.9	64.7	134.5	184.3	151.9	216.6	224.1
82.5°	194.2	104.6	22.4	24.9	37.3	77.2	159.4	196.7	156.9	224.1	226.6
85°	166.8	94.6	22.4	27.4	39.8	89.6	171.8	199.2	164.3	221.6	224.1
87.5°	159.4	89.6	27.4	27.4	44.8	94.6	176.8	209.2	169.3	214.1	211.6
90°	166.8	87.1	29.9	32.4	57.3	97.1	179.3	204.2	169.3	201.7	201.7
92.5°	171.8	84.7	32.4	37.3	69.7	109.6	176.8	199.2	169.3	186.7	186.7
95°	176.8	84.7	37.3	42.3	69.7	119.5	169.3	181.8	156.9	166.8	164.3
97.5°	134.5	62.2	44.8	47.3	64.7	92.1	136.9	141.9	102.1	99.6	97.1
100°	47.3	27.4	44.8	52.3	39.8	39.8	82.2	99.6	59.8	37.3	42.3
102.5°	14.9	12.4	39.8	52.3	32.4	14.9	42.3	62.2	44.8	5.0	5.0
105°	14.9	14.9	22.4	42.3	22.4	5.0	14.9	34.9	27.4	5.0	5.0
107.5°	14.9	12.4	10.0	24.9	7.5	5.0	7.5	7.5	7.5	2.5	5.0
110°	17.4	12.4	5.0	7.5	5.0	5.0	5.0	5.0	5.0	10.0	10.0



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 CATALOG NUMBER: SDL-PA1-80-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

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