

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: P561155

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
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-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4662.2 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

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

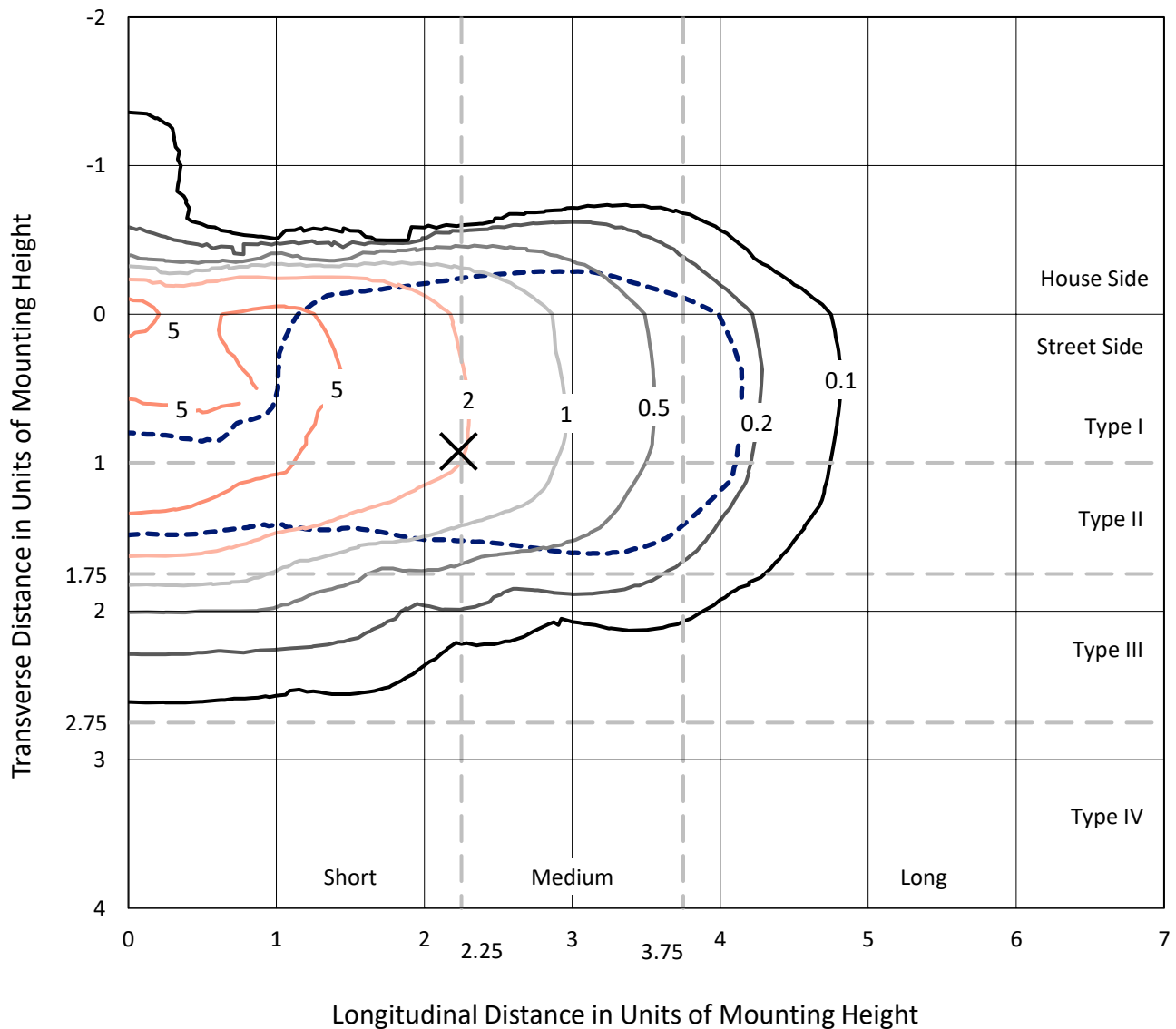


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

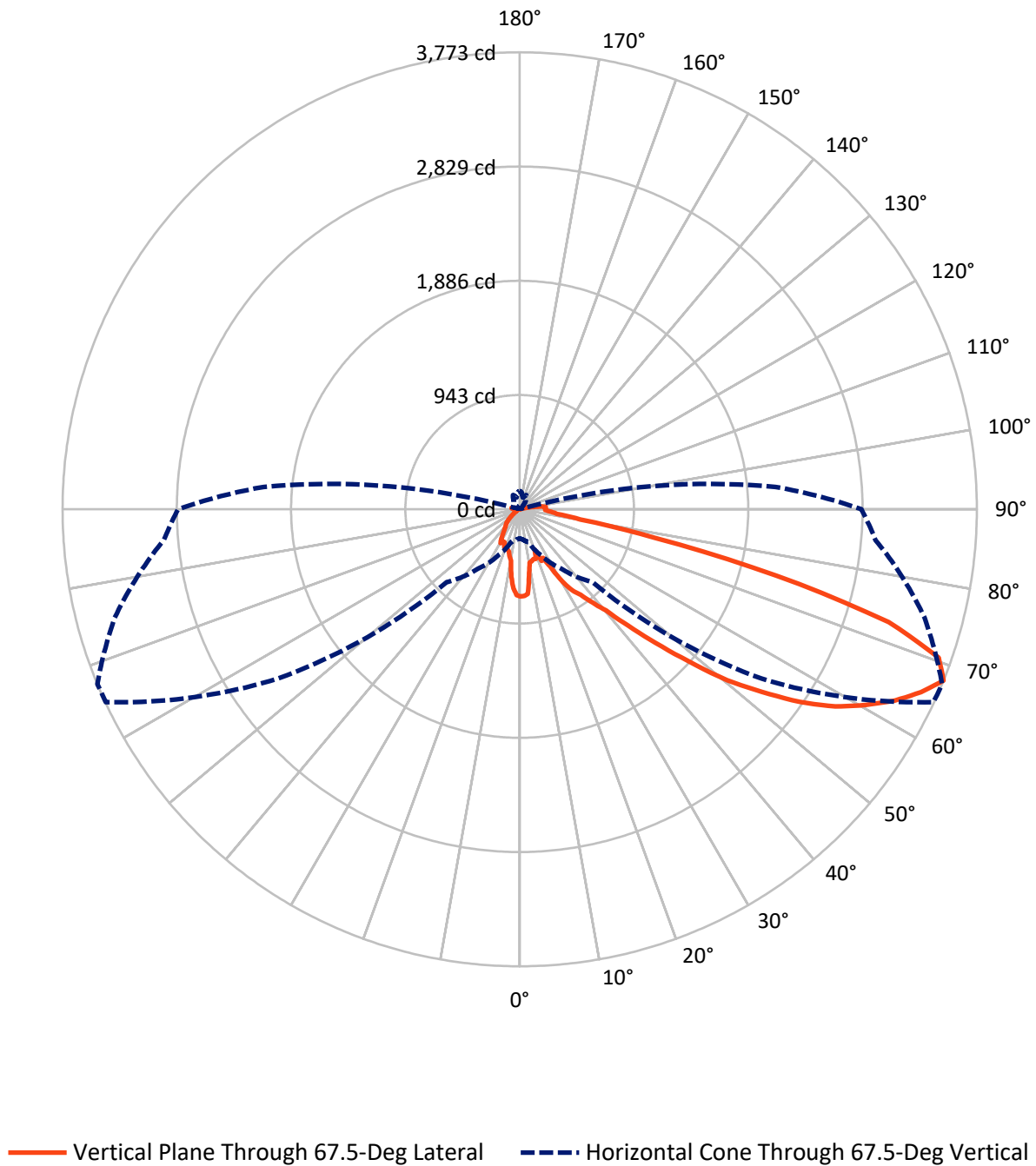


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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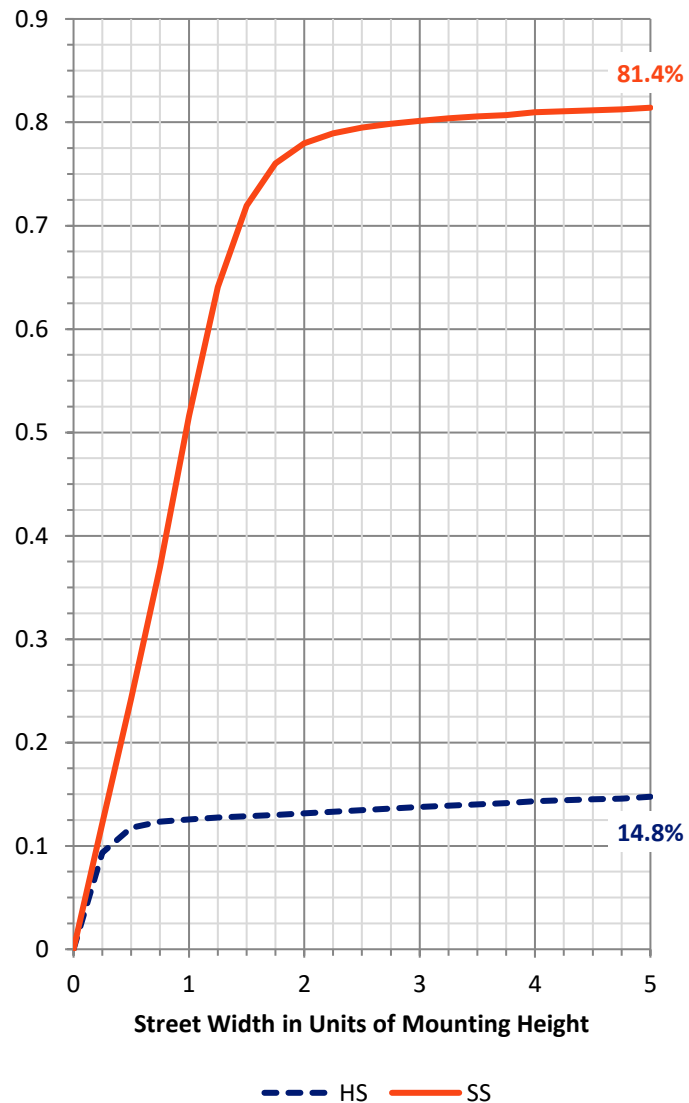
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	729.6	54.4	783.9
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	3820.4	57.8	3878.2
	% Fixture	81.9	1.2	83.2
Total	Lumens	4550.0	112.2	4662.2
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.2
10°-20°	105.4	2.3
20°-30°	159.0	3.4
30°-40°	366.2	7.9
40°-50°	816.3	17.5
50°-60°	1214.6	26.1
60°-70°	1083.3	23.2
70°-80°	608.1	13.0
80°-90°	142.0	3.0
90°-100°	77.9	1.7
100°-110°	18.0	0.4
110°-120°	7.1	0.2
120°-130°	4.7	0.1
130°-140°	2.4	0.1
140°-150°	1.2	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4550.0	97.6
0°-180°	4662.2	100.0

Coefficient of Utilization



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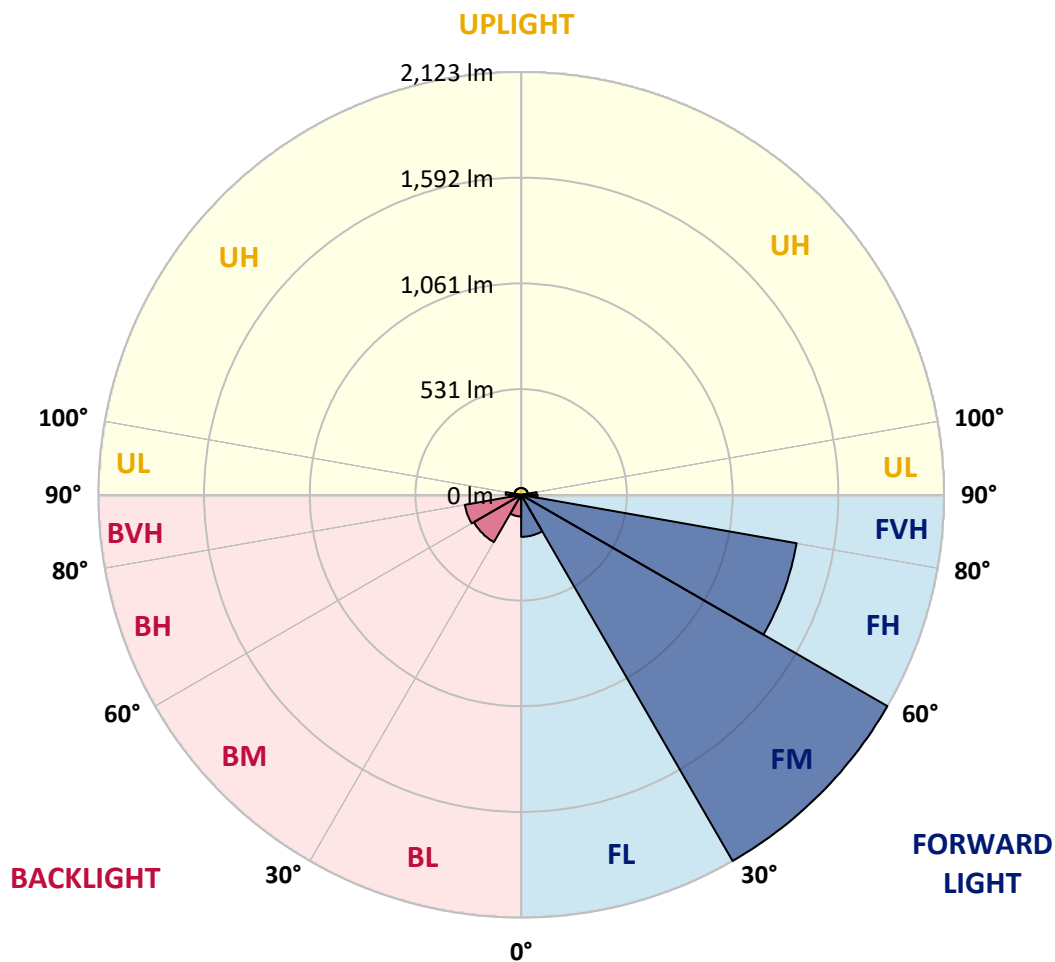
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.9	4.5			
FM	(30°-60°)	2122.8	45.5			
FH	(60°-80°)	1404.3	30.1			G1/1800
FVH	(80°-90°)	82.4	1.8			G1/100
BL	(0°-30°)	108.7	2.3	B0/110		
BM	(30°-60°)	274.2	5.9	B1/1000		
BH	(60°-80°)	287.0	6.2	B1/500		G1/500
BVH	(80°-90°)	59.6	1.3			G1/100
UL	(90°-100°)	77.9	1.7		U3/500	
UH	(100°-180°)	34.3	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2
2.5°	609.7	644.5	681.8	706.7	711.7	719.2	719.2	716.7	716.7	714.2	714.2
5°	592.3	589.8	592.3	597.2	594.8	594.8	594.8	694.3	701.8	706.7	706.7
7.5°	510.1	522.6	562.4	577.3	582.3	587.3	587.3	579.8	552.4	612.2	619.6
10°	554.9	552.4	552.4	557.4	520.1	505.2	455.4	447.9	447.9	467.8	532.5
12.5°	465.3	492.7	530.0	545.0	502.7	445.4	433.0	443.0	440.5	385.7	450.4
15°	527.6	527.6	522.6	512.6	395.7	443.0	373.3	373.3	425.5	457.9	515.1
17.5°	428.0	440.5	502.7	495.2	435.5	333.5	435.5	400.6	430.5	403.1	433.0
20°	525.1	522.6	525.1	400.6	443.0	457.9	435.5	390.7	355.9	467.8	517.6
22.5°	433.0	428.0	452.9	495.2	418.1	475.3	398.2	475.3	462.9	415.6	373.3
25°	559.9	557.4	562.4	438.0	490.2	425.5	490.2	425.5	445.4	532.5	545.0
27.5°	505.2	502.7	495.2	535.0	465.3	537.5	462.9	520.1	535.0	577.3	669.4
30°	711.7	701.8	676.9	537.5	547.5	517.6	547.5	639.5	689.3	773.9	801.3
32.5°	1037.7	985.4	821.2	711.7	579.8	661.9	619.6	751.5	798.8	841.1	863.5
35°	1341.3	1318.9	1199.5	940.7	706.7	731.6	699.3	841.1	868.5	958.1	953.1
37.5°	1756.9	1719.6	1535.4	1214.4	888.4	878.4	796.3	958.1	978.0	1107.4	1082.5
40°	2067.9	2038.1	1893.7	1508.0	1129.8	1042.7	930.7	1119.8	1097.4	1271.6	1236.8
42.5°	2366.6	2349.1	2237.2	1844.0	1396.0	1296.5	1070.1	1318.9	1313.9	1465.7	1435.9
45°	2607.9	2588.0	2515.9	2145.1	1702.1	1704.6	1289.0	1537.9	1572.7	1717.1	1639.9
47.5°	2749.8	2707.5	2655.2	2384.0	2010.7	2095.3	1612.5	1786.7	1871.3	1995.8	1878.8
50°	2717.4	2675.1	2680.1	2535.8	2294.4	2431.3	1958.4	2050.5	2219.7	2316.8	2085.4
52.5°	2458.6	2433.7	2515.9	2508.4	2438.7	2739.8	2361.6	2336.7	2503.4	2568.1	2296.9
55°	2090.3	2055.5	2209.8	2319.3	2438.7	2931.4	2734.9	2655.2	2807.0	2797.1	2441.2
57.5°	1587.7	1600.1	1774.3	1946.0	2239.6	2968.8	3011.1	3001.1	3070.8	2986.2	2555.7
60°	1085.0	1092.4	1338.8	1532.9	1836.5	2772.2	3100.7	3287.3	3279.8	3145.5	2685.1
62.5°	681.8	679.4	866.0	1172.1	1321.4	2257.1	3065.8	3503.8	3476.4	3264.9	2784.6
65°	393.2	403.1	470.3	776.4	918.3	1540.4	2864.3	3715.3	3638.2	3371.9	2891.6
67.5°	241.4	248.8	281.2	420.6	599.7	851.1	2436.2	3767.6	3772.6	3459.0	2948.9
70°	204.1	206.5	221.5	258.8	418.1	477.8	1639.9	3523.7	3668.0	3478.9	2931.4
72.5°	171.7	174.2	196.6	226.5	311.1	338.4	736.6	2911.5	3185.3	3327.1	2804.5
75°	126.9	129.4	161.8	206.5	226.5	271.2	403.1	1928.6	2187.4	2630.3	2391.4
77.5°	82.1	84.6	114.5	166.7	191.6	214.0	326.0	900.8	1139.7	1520.5	1510.5
80°	54.7	54.7	67.2	117.0	151.8	174.2	283.7	445.4	507.7	627.1	587.3
82.5°	34.8	34.8	42.3	72.2	97.1	174.2	266.3	318.5	308.6	313.6	278.7
85°	14.9	14.9	22.4	39.8	52.3	114.5	238.9	273.7	261.3	261.3	248.8
87.5°	5.0	5.0	7.5	12.4	17.4	34.8	184.1	219.0	211.5	219.0	236.4
90°	5.0	5.0	2.5	5.0	5.0	24.9	149.3	216.5	211.5	221.5	243.9
92.5°	7.5	7.5	2.5	2.5	5.0	19.9	117.0	224.0	216.5	231.4	253.8
95°	12.4	12.4	5.0	2.5	7.5	17.4	72.2	199.1	216.5	228.9	258.8
97.5°	14.9	14.9	5.0	5.0	7.5	14.9	37.3	161.8	166.7	174.2	204.1
100°	19.9	19.9	5.0	5.0	5.0	12.4	19.9	84.6	87.1	62.2	99.5
102.5°	19.9	19.9	5.0	5.0	5.0	7.5	10.0	37.3	34.8	12.4	12.4
105°	22.4	22.4	7.5	5.0	5.0	5.0	5.0	12.4	12.4	7.5	14.9
107.5°	22.4	22.4	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	14.9
110°	17.4	17.4	7.5	7.5	5.0	2.5	2.5	2.5	5.0	7.5	17.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	12.4	12.4	5.0	7.5	5.0	2.5	2.5	2.5	5.0	10.0	24.9
115°	5.0	5.0	2.5	5.0	2.5	2.5	2.5	5.0	5.0	7.5	19.9
117.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	2.5	7.5	17.4
120°	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	10.0	17.4
122.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	10.0	17.4
125°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	7.5	14.9
127.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0	14.9
130°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0	10.0
132.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0	7.5
135°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	5.0
137.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5
140°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	2.5	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°	2.5	2.5	5.0	5.0	2.5	0.0	5.0	2.5	2.5	2.5	2.5
152.5°	5.0	5.0	5.0	5.0	2.5	0.0	2.5	5.0	2.5	2.5	2.5
155°	5.0	5.0	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0	7.5
157.5°	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5	0.0	0.0	2.5
160°	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5	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°	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2
2.5°	711.7	711.7	709.2	709.2	701.8	699.3	666.9	632.1	604.7	607.2	607.2
5°	704.2	699.3	691.8	642.0	579.8	569.9	569.9	564.9	562.4	564.9	564.9
7.5°	614.7	609.7	579.8	554.9	557.4	552.4	542.5	540.0	497.7	455.4	452.9
10°	530.0	522.6	443.0	425.5	423.0	440.5	482.8	467.8	452.9	435.5	443.0
12.5°	443.0	440.5	368.3	408.1	355.9	365.8	375.8	360.8	308.6	248.8	256.3
15°	512.6	505.2	418.1	338.4	303.6	306.1	201.6	194.1	156.8	141.8	134.4
17.5°	380.7	418.1	365.8	338.4	306.1	159.3	129.4	99.5	89.6	72.2	74.7
20°	510.1	500.2	418.1	316.0	236.4	134.4	72.2	57.2	69.7	72.2	72.2
22.5°	360.8	350.9	353.4	335.9	166.7	77.1	54.7	57.2	52.3	49.8	49.8
25°	530.0	512.6	428.0	256.3	124.4	49.8	52.3	39.8	47.3	47.3	47.3
27.5°	644.5	584.8	450.4	248.8	69.7	49.8	37.3	39.8	32.4	32.4	32.4
30°	771.4	736.6	589.8	231.4	54.7	39.8	34.8	27.4	29.9	29.9	29.9
32.5°	828.7	781.4	589.8	184.1	47.3	37.3	27.4	24.9	24.9	27.4	27.4
35°	910.8	861.0	587.3	121.9	39.8	29.9	22.4	22.4	22.4	22.4	22.4
37.5°	1035.2	963.0	597.2	77.1	32.4	24.9	17.4	19.9	19.9	42.3	42.3
40°	1174.6	1092.4	569.9	54.7	27.4	19.9	14.9	24.9	34.8	37.3	37.3
42.5°	1351.3	1261.7	530.0	47.3	24.9	14.9	12.4	19.9	29.9	47.3	47.3
45°	1562.8	1428.4	475.3	42.3	19.9	12.4	12.4	24.9	37.3	44.8	44.8
47.5°	1751.9	1590.1	380.7	39.8	17.4	10.0	17.4	27.4	32.4	52.3	52.3
50°	1973.4	1759.4	291.2	34.8	14.9	10.0	27.4	29.9	37.3	47.3	47.3
52.5°	2137.6	1901.2	221.5	32.4	14.9	7.5	27.4	27.4	42.3	54.7	54.7
55°	2269.5	1978.4	159.3	27.4	12.4	7.5	32.4	34.8	37.3	42.3	42.3
57.5°	2371.5	2033.1	124.4	24.9	12.4	17.4	39.8	44.8	39.8	42.3	42.3
60°	2488.5	2060.5	92.1	22.4	10.0	17.4	47.3	59.7	44.8	64.7	62.2
62.5°	2595.5	2080.4	74.7	22.4	10.0	19.9	52.3	74.7	59.7	87.1	89.6
65°	2729.9	2105.3	62.2	17.4	10.0	27.4	62.2	99.5	79.6	114.5	119.4
67.5°	2819.5	2120.2	52.3	17.4	10.0	32.4	87.1	129.4	99.5	144.3	149.3
70°	2829.4	2065.5	42.3	17.4	10.0	49.8	119.4	156.8	124.4	184.1	186.6
72.5°	2700.0	1908.7	34.8	19.9	10.0	54.7	139.4	181.7	146.8	243.9	246.4
75°	2182.4	1338.8	32.4	19.9	10.0	69.7	151.8	199.1	164.2	253.8	258.8
77.5°	1341.3	619.6	29.9	22.4	14.9	77.1	154.3	211.5	171.7	253.8	261.3
80°	520.1	306.1	27.4	24.9	34.8	87.1	166.7	214.0	171.7	236.4	246.4
82.5°	241.4	179.2	27.4	27.4	44.8	89.6	164.2	199.1	159.3	211.5	209.0
85°	216.5	176.7	29.9	29.9	47.3	77.1	129.4	169.2	136.9	166.7	166.7
87.5°	211.5	174.2	32.4	37.3	47.3	44.8	99.5	144.3	117.0	124.4	124.4
90°	216.5	181.7	34.8	42.3	39.8	24.9	79.6	119.4	89.6	79.6	77.1
92.5°	231.4	184.1	42.3	49.8	37.3	19.9	67.2	97.1	64.7	52.3	49.8
95°	243.9	189.1	52.3	59.7	39.8	17.4	59.7	77.1	47.3	32.4	29.9
97.5°	204.1	146.8	59.7	64.7	39.8	17.4	52.3	62.2	37.3	17.4	17.4
100°	87.1	64.7	62.2	69.7	37.3	14.9	44.8	49.8	24.9	7.5	10.0
102.5°	17.4	19.9	54.7	64.7	29.9	10.0	29.9	29.9	17.4	2.5	5.0
105°	17.4	14.9	34.8	54.7	17.4	5.0	12.4	17.4	7.5	2.5	2.5
107.5°	17.4	17.4	12.4	27.4	7.5	5.0	5.0	7.5	5.0	2.5	2.5
110°	19.9	17.4	5.0	7.5	5.0	5.0	5.0	5.0	2.5	12.4	14.9

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

CANDELA DISTRIBUTION (continued):

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