

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: P560279

Luminaire Tested: **SDL-PA1-30-827-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560279
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-PA1-30-827-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 375mA 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: 1949.3 lumens
Efficiency: N/A
Efficacy: 64.8 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: B0 - U2 - G1

Input Watts (W): 30.1
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

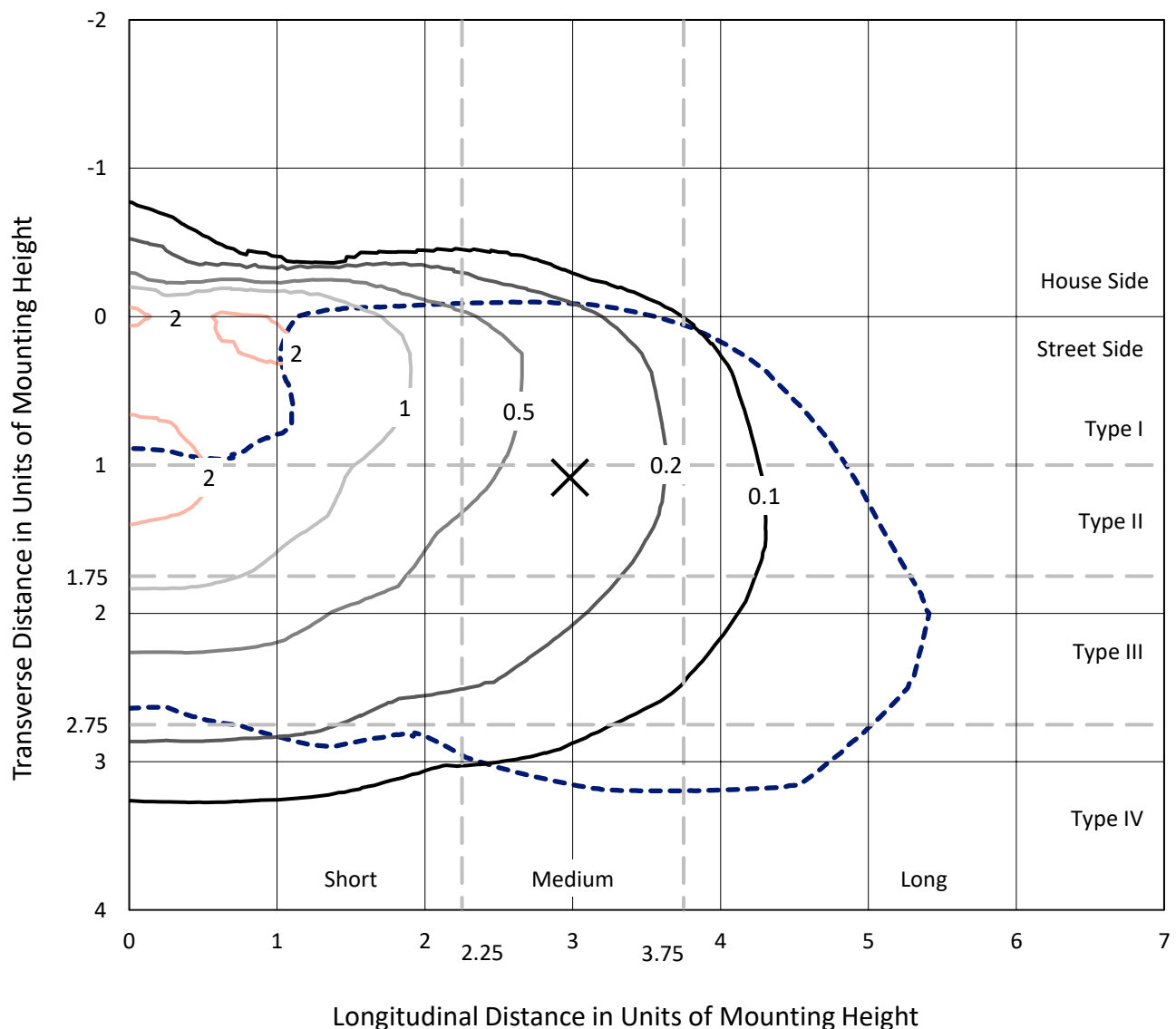


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

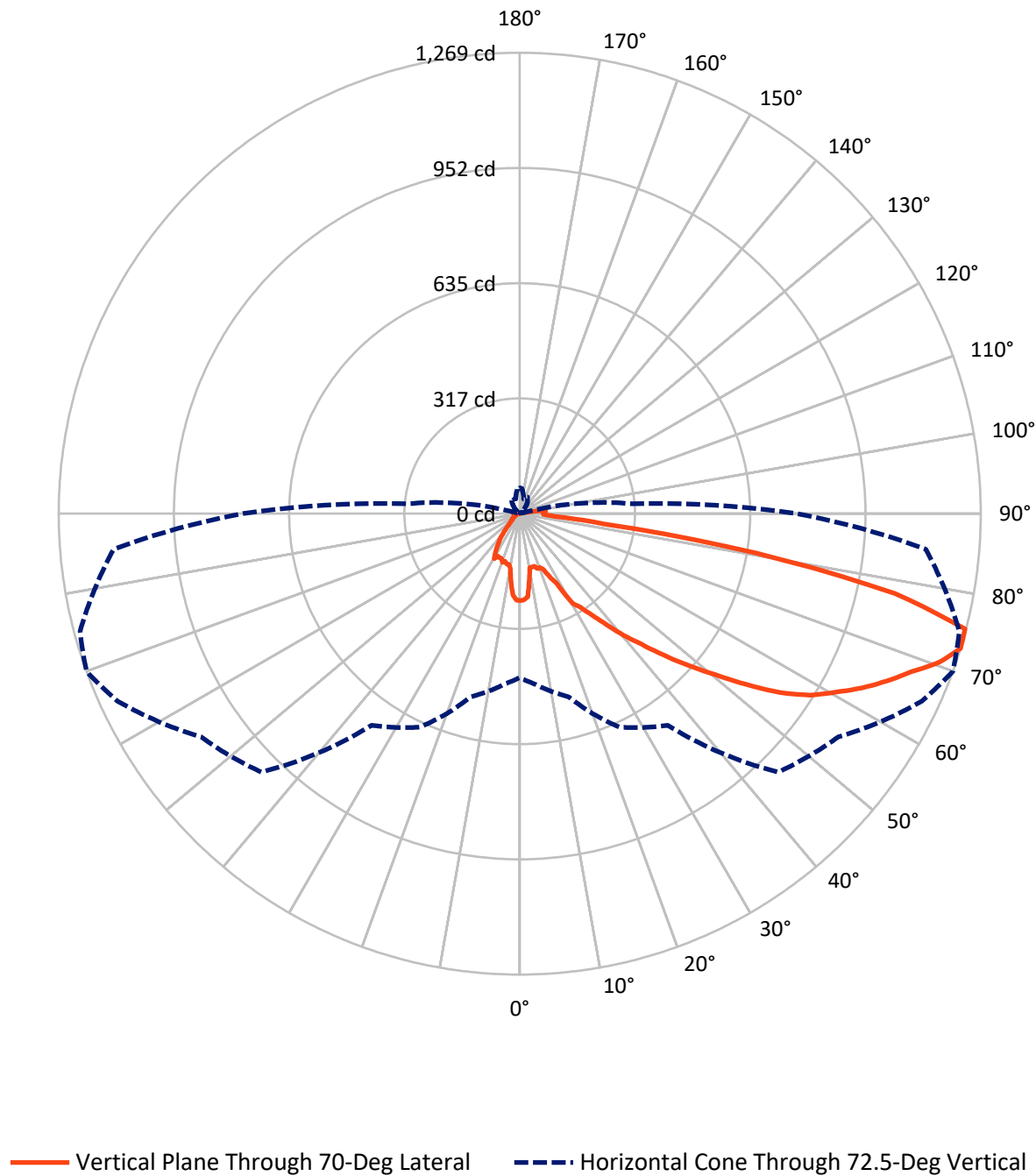


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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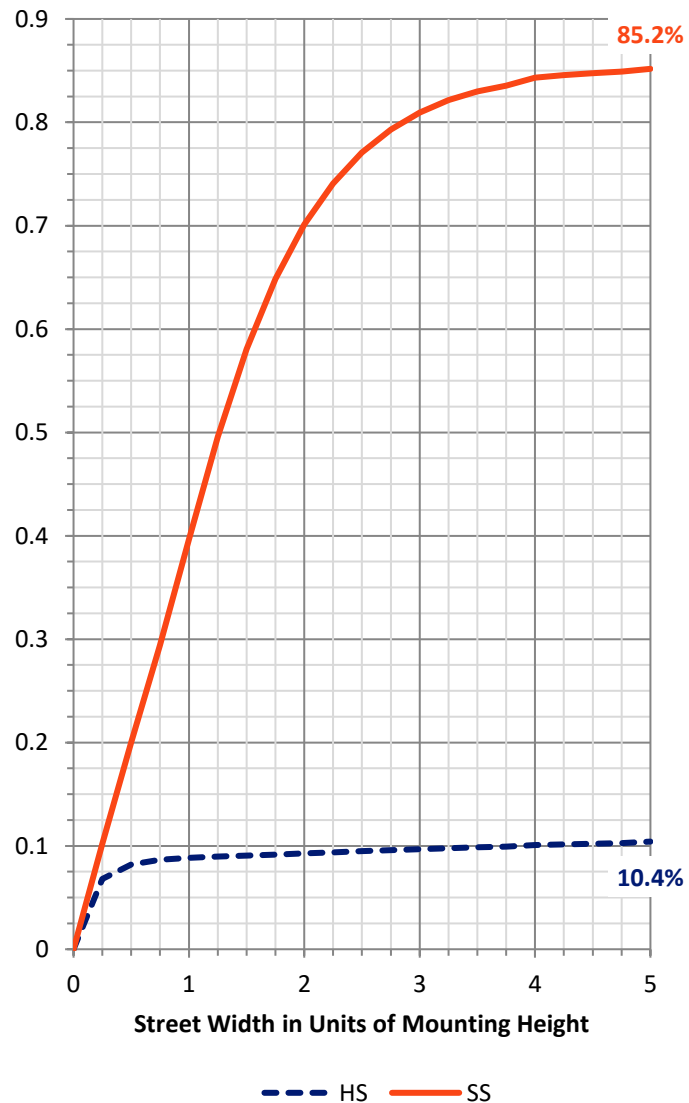
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	223.4	31.4	254.9
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	1669.0	25.4	1694.4
	% Fixture	85.6	1.3	86.9
Total	Lumens	1892.5	56.8	1949.3
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.9
10°-20°	36.5	1.9
20°-30°	59.1	3.0
30°-40°	126.4	6.5
40°-50°	248.4	12.7
50°-60°	414.8	21.3
60°-70°	514.8	26.4
70°-80°	396.5	20.3
80°-90°	77.5	4.0
90°-100°	42.1	2.2
100°-110°	8.7	0.4
110°-120°	2.5	0.1
120°-130°	1.9	0.1
130°-140°	0.9	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1892.5	97.1
0°-180°	1949.3	100.0

Coefficient of Utilization



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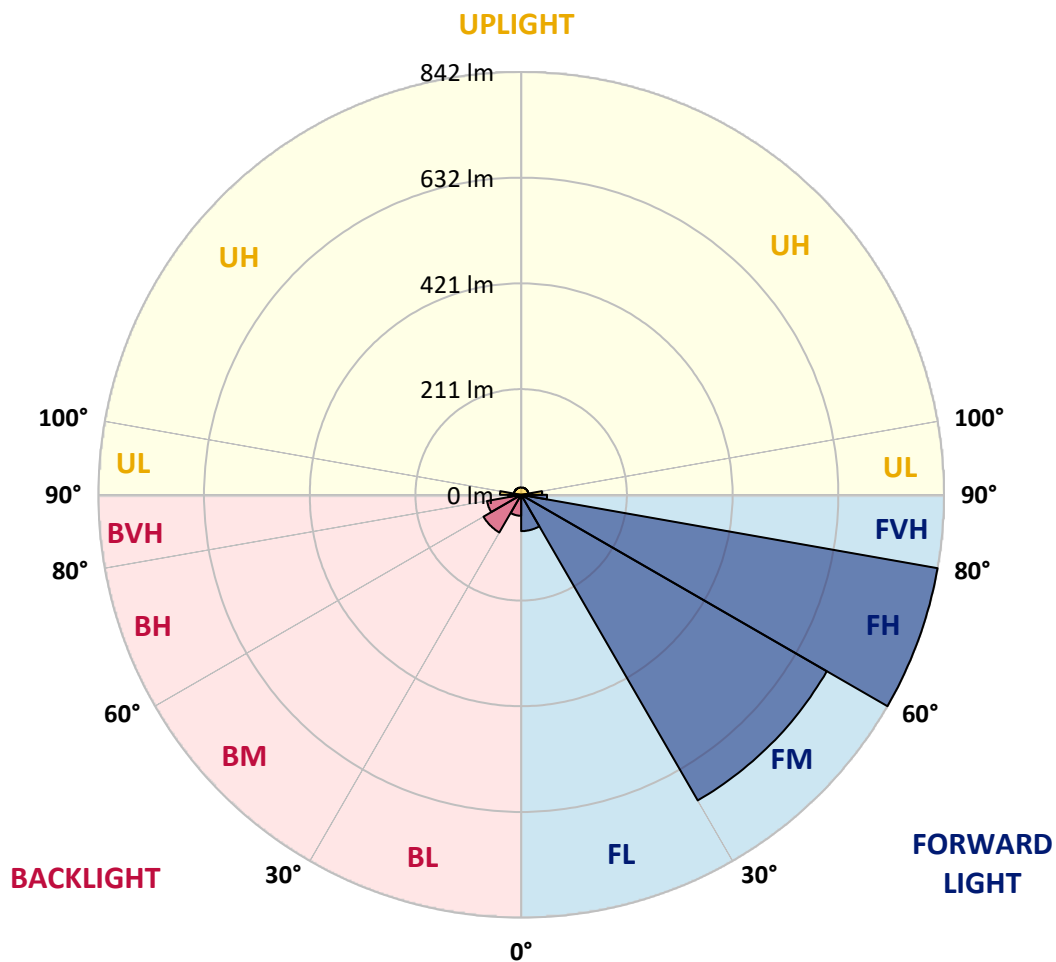
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.3	3.7			
FM	(30°-60°)	702.9	36.1			
FH	(60°-80°)	842.2	43.2			G1/1800
FVH	(80°-90°)	51.6	2.6			G1/100
BL	(0°-30°)	41.8	2.1	B0/110		
BM	(30°-60°)	86.7	4.4	B0/220		
BH	(60°-80°)	69.0	3.5	B0/110		G0/110
BVH	(80°-90°)	25.9	1.3			G1/100
UL	(90°-100°)	42.1	2.2		U2/50	
UH	(100°-180°)	14.7	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4
2.5°	201.9	224.2	225.2	227.3	229.3	232.3	237.4	237.4	237.4	237.4	238.4
5°	191.8	191.8	191.8	193.8	193.8	195.8	196.8	227.3	230.3	233.4	233.4
7.5°	159.3	174.5	175.5	181.6	188.7	191.8	193.8	191.8	188.7	200.9	206.0
10°	174.5	174.5	174.5	176.5	166.4	161.3	149.1	150.2	151.2	160.3	182.6
12.5°	145.1	154.2	163.3	173.5	160.3	144.1	141.0	149.1	151.2	134.9	160.3
15°	169.4	168.4	168.4	159.3	132.9	144.1	125.8	132.9	150.2	164.4	190.7
17.5°	140.0	136.0	158.3	156.2	142.0	113.6	145.1	144.1	159.3	147.1	164.4
20°	166.4	165.4	165.4	127.8	141.0	153.2	151.2	141.0	158.3	176.5	208.0
22.5°	140.0	138.0	142.0	153.2	140.0	158.3	138.0	174.5	166.4	161.3	151.2
25°	176.5	175.5	175.5	140.0	158.3	145.1	174.5	159.3	192.8	210.0	229.3
27.5°	158.3	158.3	151.2	162.3	151.2	182.6	167.4	200.9	218.1	229.3	277.0
30°	219.2	220.2	208.0	161.3	168.4	171.5	197.8	248.6	286.1	313.5	342.9
32.5°	315.5	309.5	258.7	220.2	178.6	212.1	219.2	289.2	307.4	336.8	362.2
35°	429.2	426.1	381.5	285.1	215.1	227.3	244.5	314.5	342.9	372.4	387.6
37.5°	507.3	504.3	475.8	363.2	259.7	264.8	266.8	350.0	386.6	416.0	423.1
40°	571.2	566.1	548.9	424.1	319.6	309.5	299.3	398.7	440.3	464.7	467.7
42.5°	667.6	659.5	615.9	494.1	380.5	369.3	334.8	441.3	491.1	523.5	525.6
45°	783.3	776.2	715.3	591.5	445.4	442.4	397.7	496.1	555.0	593.5	582.4
47.5°	862.4	843.1	808.6	684.9	545.9	519.5	467.7	551.9	624.0	681.8	650.4
50°	934.4	920.2	890.8	788.3	654.4	618.9	540.8	615.9	697.0	749.8	707.2
52.5°	1001.4	980.1	955.7	865.4	747.8	730.5	612.8	679.8	781.2	824.9	766.0
55°	1034.9	1001.4	997.3	935.5	819.8	805.6	694.0	758.9	869.5	899.9	821.8
57.5°	980.1	979.1	1010.5	978.1	878.6	871.5	776.2	844.1	943.6	957.8	876.6
60°	943.6	944.6	992.3	994.3	930.4	934.4	850.2	942.6	998.4	1007.5	928.4
62.5°	879.7	886.8	958.8	1005.5	943.6	994.3	913.1	1010.5	1057.2	1060.3	992.3
65°	799.5	806.6	879.7	975.0	929.4	1033.9	965.9	1086.6	1111.0	1113.0	1062.3
67.5°	706.2	709.2	790.4	895.9	894.9	1048.1	998.4	1137.4	1162.7	1168.8	1122.1
70°	602.7	598.6	672.7	794.4	820.8	1041.0	1037.9	1187.1	1225.6	1224.6	1163.7
72.5°	451.5	470.8	522.5	648.3	711.2	1006.5	1071.4	1221.6	1269.3	1253.0	1122.1
75°	154.2	164.4	304.4	412.9	547.9	914.1	1078.5	1223.6	1266.2	1194.2	918.2
77.5°	50.7	47.7	68.0	164.4	304.4	633.1	948.6	1067.4	1056.2	928.4	564.1
80°	24.4	25.4	30.4	57.8	111.6	287.1	595.6	675.7	660.5	487.0	244.5
82.5°	16.2	17.2	20.3	33.5	62.9	98.4	316.6	308.4	233.4	153.2	100.4
85°	7.1	7.1	10.1	17.2	38.6	64.9	120.7	105.5	95.4	88.3	82.2
87.5°	2.0	2.0	4.1	6.1	13.2	40.6	68.0	63.9	65.9	69.0	78.1
90°	2.0	2.0	2.0	2.0	10.1	42.6	69.0	64.9	64.9	69.0	82.2
92.5°	3.0	3.0	2.0	2.0	9.1	42.6	72.0	61.9	65.9	70.0	88.3
95°	3.0	4.1	2.0	1.0	7.1	43.6	74.1	65.9	72.0	71.0	94.4
97.5°	4.1	4.1	2.0	1.0	4.1	37.5	75.1	53.8	54.8	50.7	74.1
100°	5.1	5.1	2.0	2.0	3.0	19.3	55.8	34.5	21.3	16.2	24.4
102.5°	6.1	6.1	2.0	2.0	2.0	7.1	25.4	20.3	11.2	3.0	6.1
105°	6.1	7.1	2.0	2.0	1.0	3.0	11.2	8.1	4.1	3.0	6.1
107.5°	7.1	7.1	2.0	2.0	1.0	2.0	3.0	3.0	2.0	3.0	6.1
110°	7.1	7.1	3.0	2.0	1.0	2.0	1.0	2.0	2.0	3.0	7.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.1	5.1	2.0	3.0	1.0	1.0	1.0	2.0	2.0	3.0	6.1
115°	3.0	2.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	5.1
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	6.1
120°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.1	7.1
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1	8.1
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	7.1
127.5°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	2.0	3.0	6.1
130°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1
132.5°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1
135°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
137.5°	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0
155°	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0	2.0
157.5°	0.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4
2.5°	238.4	238.4	237.4	239.4	238.4	238.4	225.2	212.1	209.0	210.0	212.1
5°	234.4	234.4	234.4	218.1	199.9	193.8	195.8	195.8	195.8	194.8	196.8
7.5°	207.0	206.0	202.9	184.7	192.8	191.8	190.7	188.7	164.4	158.3	158.3
10°	183.6	183.6	157.3	150.2	150.2	156.2	160.3	154.2	151.2	146.1	145.1
12.5°	161.3	161.3	134.9	150.2	126.8	125.8	122.8	112.6	95.4	83.2	84.2
15°	191.8	191.8	159.3	127.8	106.5	100.4	62.9	58.8	56.8	55.8	54.8
17.5°	163.3	164.4	147.1	126.8	99.4	52.8	44.6	44.6	44.6	42.6	38.6
20°	207.0	207.0	171.5	113.6	75.1	41.6	34.5	30.4	41.6	41.6	41.6
22.5°	150.2	148.1	151.2	115.7	46.7	33.5	28.4	35.5	37.5	31.5	31.5
25°	227.3	224.2	183.6	83.2	38.6	26.4	31.5	27.4	35.5	35.5	35.5
27.5°	280.0	259.7	186.7	76.1	28.4	30.4	25.4	30.4	27.4	26.4	26.4
30°	336.8	327.7	225.2	59.9	27.4	25.4	26.4	24.4	28.4	26.4	26.4
32.5°	355.1	346.0	203.9	46.7	26.4	24.4	22.3	23.3	22.3	23.3	23.3
35°	378.4	369.3	180.6	35.5	24.4	21.3	20.3	20.3	19.3	18.3	18.3
37.5°	411.9	396.7	154.2	30.4	22.3	19.3	16.2	15.2	16.2	20.3	21.3
40°	450.5	425.1	121.8	27.4	19.3	16.2	12.2	14.2	17.2	17.2	17.2
42.5°	506.3	459.6	90.3	25.4	17.2	13.2	9.1	11.2	13.2	18.3	18.3
45°	555.0	479.9	63.9	23.3	14.2	10.1	7.1	11.2	14.2	16.2	16.2
47.5°	611.8	499.2	47.7	22.3	13.2	7.1	8.1	11.2	11.2	17.2	17.2
50°	659.5	503.2	38.6	20.3	10.1	5.1	10.1	10.1	12.2	15.2	15.2
52.5°	704.1	507.3	34.5	18.3	8.1	4.1	10.1	10.1	14.2	18.3	18.3
55°	733.6	495.1	31.5	16.2	7.1	3.0	11.2	11.2	11.2	14.2	14.2
57.5°	756.9	479.9	29.4	14.2	6.1	6.1	12.2	14.2	12.2	14.2	14.2
60°	772.1	452.5	25.4	13.2	5.1	6.1	15.2	18.3	14.2	21.3	21.3
62.5°	799.5	431.2	22.3	12.2	4.1	6.1	15.2	23.3	18.3	28.4	29.4
65°	821.8	411.9	19.3	9.1	4.1	8.1	17.2	29.4	22.3	35.5	36.5
67.5°	831.0	388.6	16.2	8.1	4.1	9.1	22.3	36.5	28.4	41.6	41.6
70°	823.9	364.2	13.2	8.1	4.1	14.2	29.4	42.6	34.5	50.7	51.7
72.5°	762.0	310.5	10.1	8.1	3.0	15.2	36.5	50.7	41.6	69.0	71.0
75°	583.4	196.8	10.1	8.1	4.1	17.2	42.6	58.8	49.7	77.1	80.2
77.5°	356.1	91.3	10.1	9.1	5.1	21.3	46.7	68.0	54.8	83.2	85.2
80°	158.3	56.8	10.1	10.1	10.1	26.4	54.8	75.1	61.9	88.3	91.3
82.5°	79.1	42.6	9.1	10.1	15.2	31.5	64.9	80.2	63.9	91.3	92.3
85°	68.0	38.6	9.1	11.2	16.2	36.5	70.0	81.2	67.0	90.3	91.3
87.5°	64.9	36.5	11.2	11.2	18.3	38.6	72.0	85.2	69.0	87.3	86.2
90°	68.0	35.5	12.2	13.2	23.3	39.6	73.1	83.2	69.0	82.2	82.2
92.5°	70.0	34.5	13.2	15.2	28.4	44.6	72.0	81.2	69.0	76.1	76.1
95°	72.0	34.5	15.2	17.2	28.4	48.7	69.0	74.1	63.9	68.0	67.0
97.5°	54.8	25.4	18.3	19.3	26.4	37.5	55.8	57.8	41.6	40.6	39.6
100°	19.3	11.2	18.3	21.3	16.2	16.2	33.5	40.6	24.4	15.2	17.2
102.5°	6.1	5.1	16.2	21.3	13.2	6.1	17.2	25.4	18.3	2.0	2.0
105°	6.1	6.1	9.1	17.2	9.1	2.0	6.1	14.2	11.2	2.0	2.0
107.5°	6.1	5.1	4.1	10.1	3.0	2.0	3.0	3.0	3.0	1.0	2.0
110°	7.1	5.1	2.0	3.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1

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CATALOG NUMBER: SDL-PA1-30-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.1	5.1	2.0	3.0	2.0	2.0	2.0	1.0	2.0	5.1	6.1
115°	6.1	5.1	2.0	2.0	2.0	2.0	1.0	1.0	2.0	6.1	6.1
117.5°	7.1	6.1	2.0	2.0	1.0	2.0	1.0	1.0	2.0	6.1	7.1
120°	8.1	7.1	2.0	2.0	1.0	1.0	1.0	1.0	2.0	5.1	6.1
122.5°	8.1	8.1	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.1	5.1
125°	7.1	7.1	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.1	5.1
127.5°	6.1	6.1	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1	5.1
130°	5.1	5.1	2.0	1.0	1.0	1.0	0.0	1.0	2.0	4.1	4.1
132.5°	4.1	3.0	2.0	1.0	1.0	1.0	0.0	1.0	2.0	3.0	4.1
135°	3.0	3.0	1.0	1.0	1.0	1.0	0.0	0.0	2.0	2.0	3.0
137.5°	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
155°	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	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)