

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: P560333

Luminaire Tested: **SDL-PA1-40-727-U-SL3-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-40-727-U-SL3-HSS-A  
Description: Springdale  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3256.5 lumens  
Efficiency: N/A  
Efficacy: 82.7 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

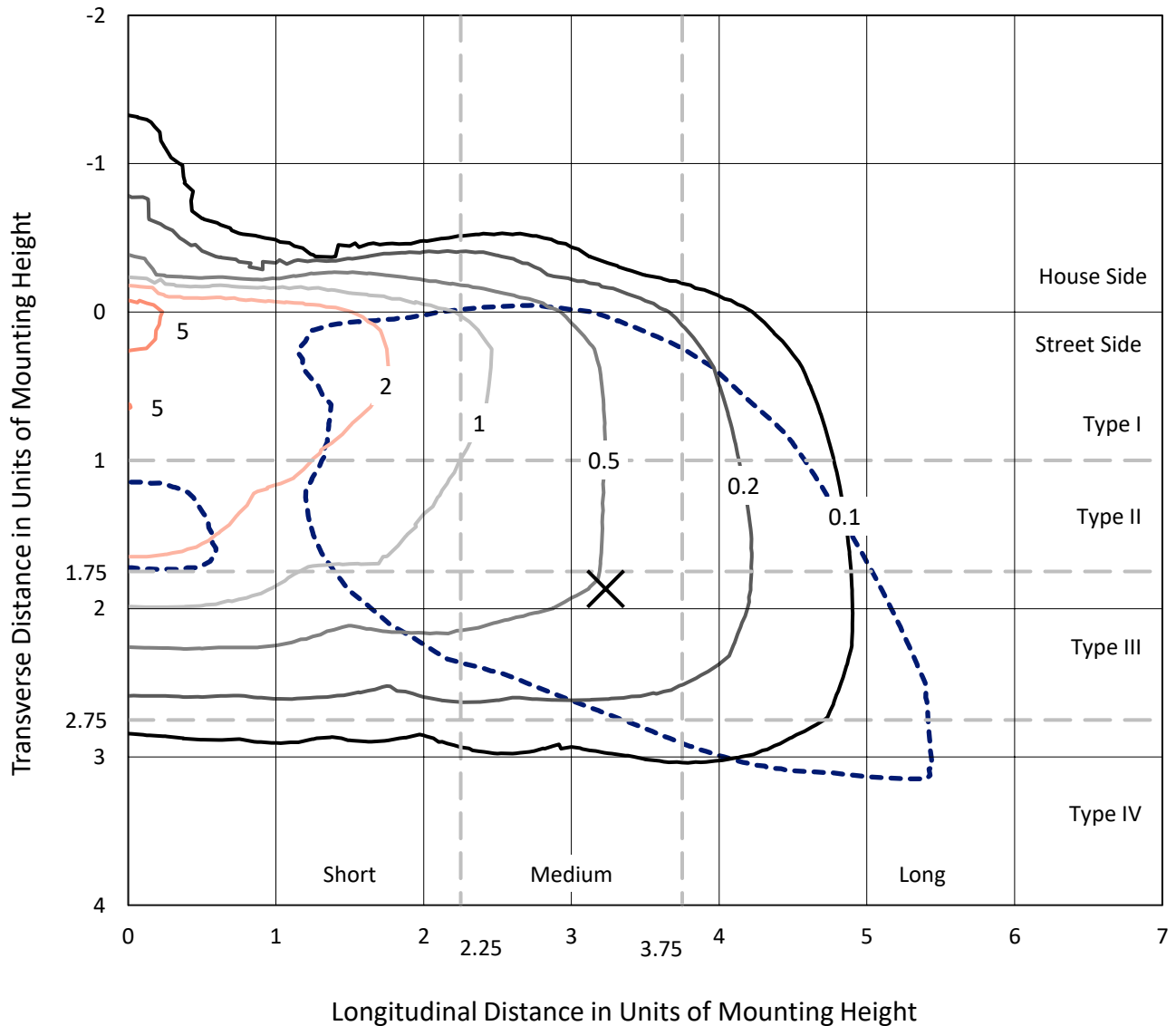
Input Watts (W): 39.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

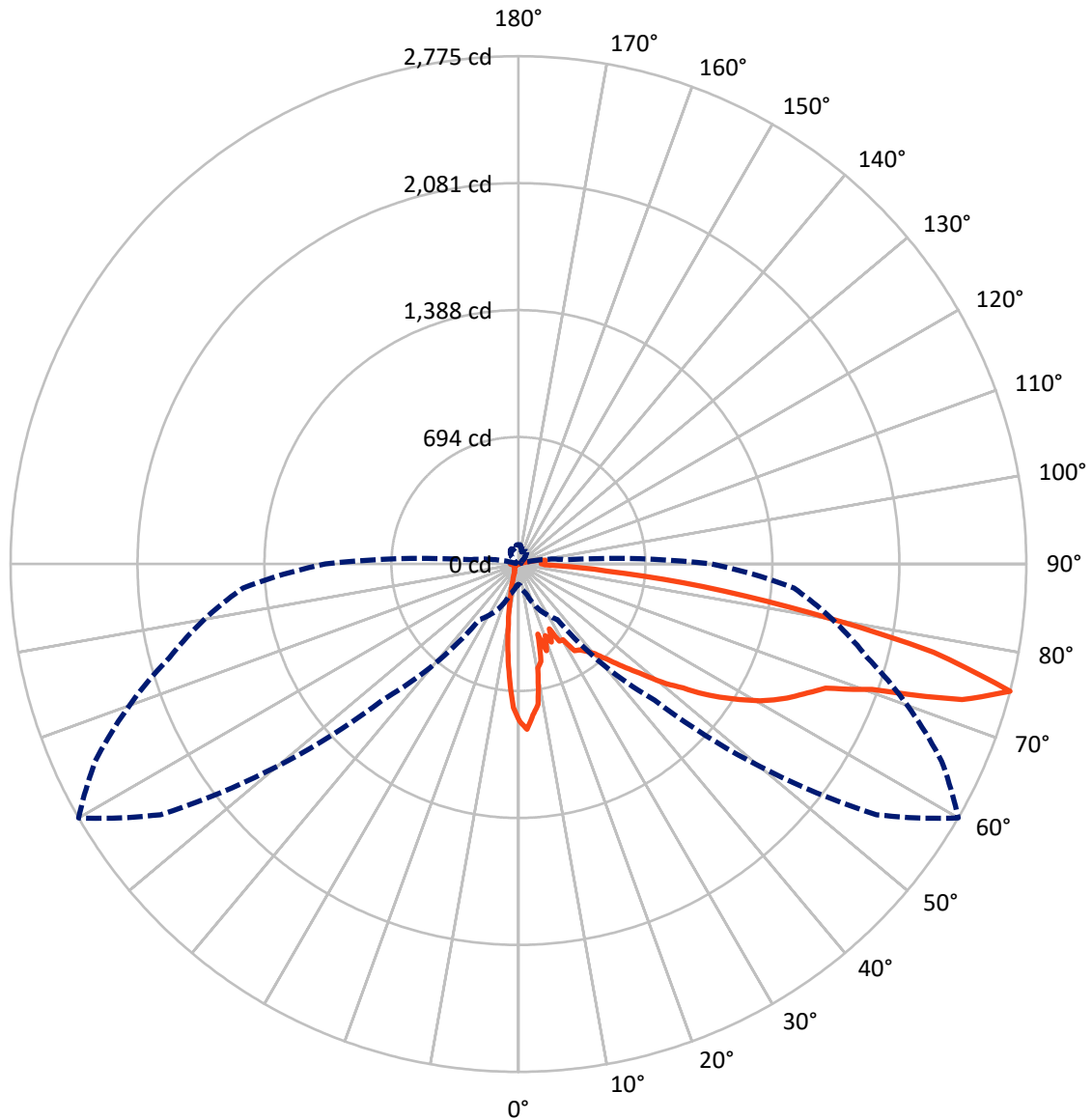
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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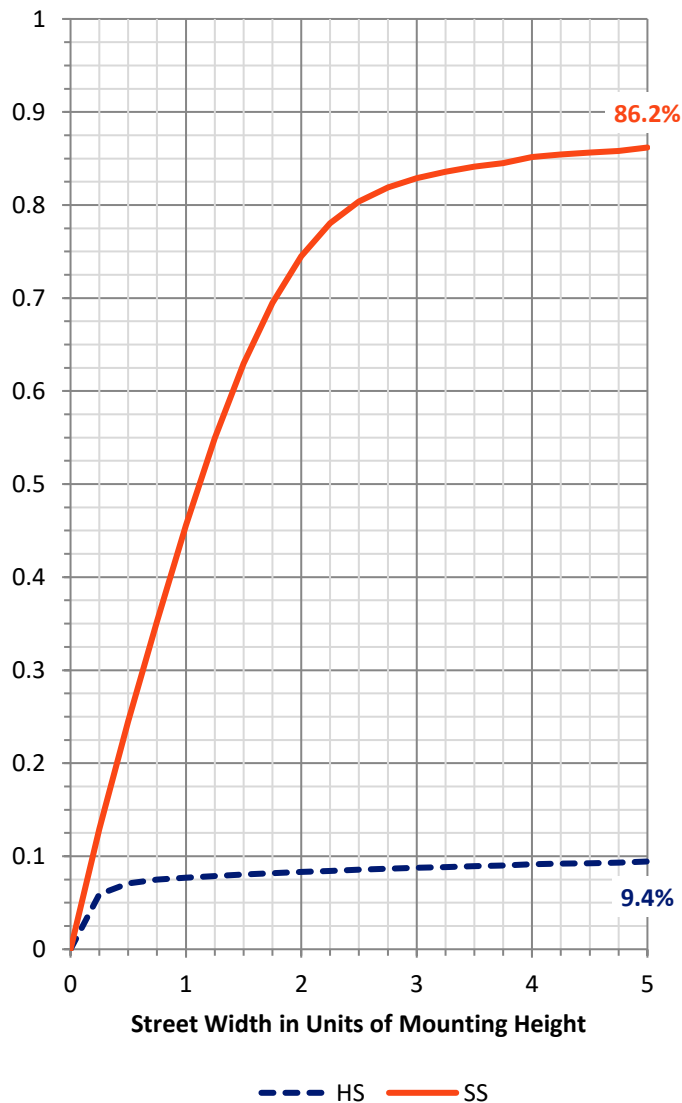
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	336.5	43.8	380.4
	% Fixture	10.3	1.3	11.7
<b>Street Side</b>	Lumens	2830.3	45.8	2876.1
	% Fixture	86.9	1.4	88.3
<b>Total</b>	Lumens	3166.8	89.7	3256.5
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.7	1.8
10°-20°	98.0	3.0
20°-30°	138.5	4.3
30°-40°	249.0	7.6
40°-50°	419.5	12.9
50°-60°	652.5	20.0
60°-70°	770.0	23.6
70°-80°	624.6	19.2
80°-90°	155.1	4.8
90°-100°	62.6	1.9
100°-110°	14.5	0.4
110°-120°	4.5	0.1
120°-130°	4.0	0.1
130°-140°	2.1	0.1
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3166.8	97.2
0°-180°	3256.5	100.0

**Coefficient of Utilization**



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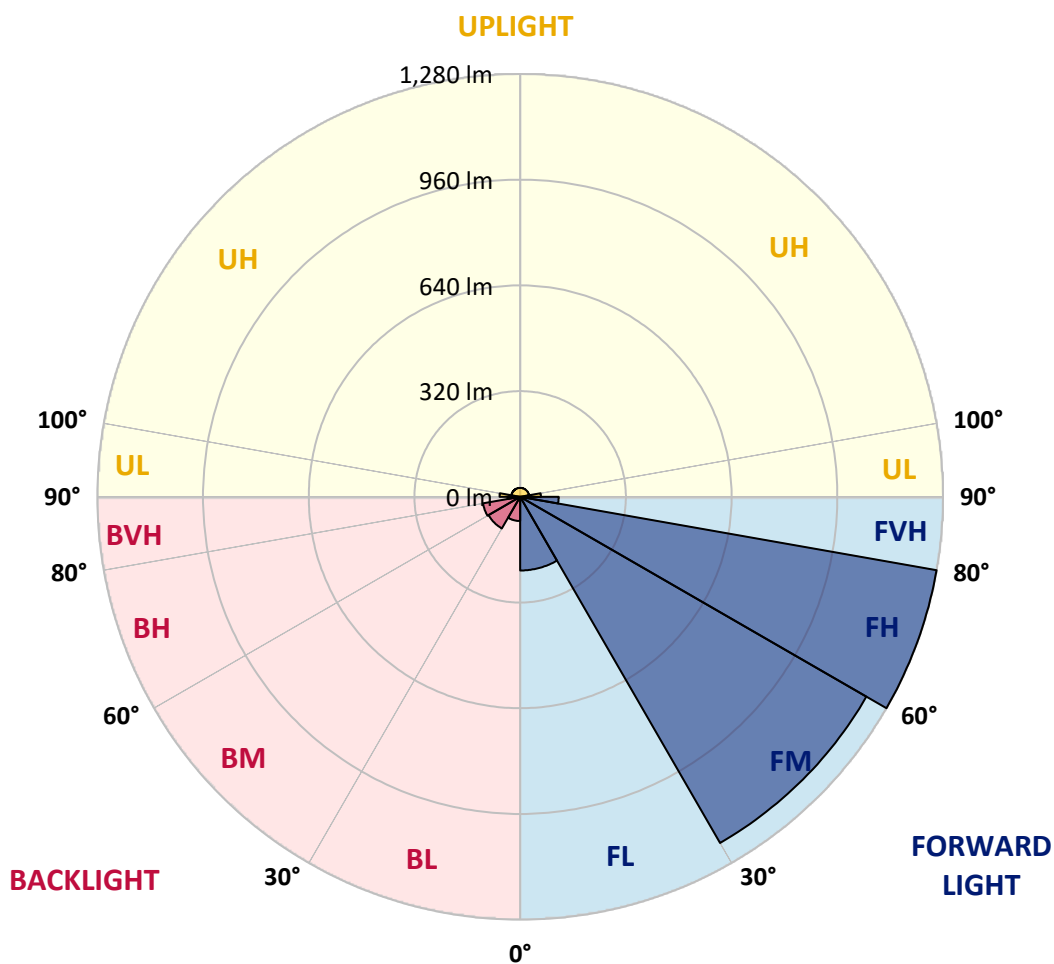
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.1	6.8			
FM (30°-60°)	1210.3	37.2			
FH (60°-80°)	1280.3	39.3			G1/1800
FVH (80°-90°)	116.6	3.6			G2/225
BL (0°-30°)	73.2	2.2	B0/110		
BM (30°-60°)	110.6	3.4	B0/220		
BH (60°-80°)	114.2	3.5	B1/500		G1/500
BVH (80°-90°)	38.5	1.2			G1/100
UL (90°-100°)	62.6	1.9		U3/500	
UH (100°-180°)	27.1	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°	60°	65°	75°	85°
0°	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9
2.5°	809.7	871.4	853.3	910.5	918.0	915.0	912.0	904.5	897.0	883.4	862.4
5°	776.6	782.6	778.1	788.6	790.1	794.6	787.1	829.2	900.0	881.9	848.8
7.5°	638.1	701.3	708.8	728.4	746.5	764.5	775.1	773.6	683.3	767.5	729.9
10°	651.7	660.7	659.2	672.7	657.7	632.1	576.4	577.9	577.9	596.0	615.5
12.5°	516.2	543.3	609.5	630.6	585.4	532.8	537.3	547.8	555.3	471.1	519.2
15°	585.4	586.9	588.5	588.5	441.0	504.2	439.5	397.3	454.5	556.8	565.9
17.5°	459.0	454.5	529.8	523.7	486.1	374.7	487.6	498.2	478.6	468.1	471.1
20°	538.8	538.8	534.3	425.9	448.5	483.1	418.4	416.9	441.0	547.8	553.8
22.5°	436.4	431.9	456.0	474.1	425.9	460.5	412.4	463.5	513.2	484.6	395.8
25°	546.3	546.3	528.3	410.9	441.0	395.8	457.5	392.8	436.4	593.0	564.4
27.5°	505.7	492.1	450.0	466.5	395.8	460.5	421.4	477.1	504.2	614.0	657.7
30°	653.2	648.6	600.5	469.6	450.0	422.9	453.0	480.1	580.9	796.1	760.0
32.5°	871.4	847.3	683.3	580.9	472.6	501.2	483.1	564.4	638.1	814.2	770.6
35°	930.1	912.0	833.8	705.8	529.8	529.8	519.2	576.4	654.7	853.3	793.1
37.5°	949.6	948.1	921.1	772.1	608.0	609.5	549.3	605.0	687.8	906.0	826.2
40°	961.7	964.7	991.8	841.3	690.8	687.8	605.0	645.6	738.9	963.2	886.4
42.5°	1012.9	1029.4	1062.5	918.0	769.0	770.6	672.7	710.4	806.7	1058.0	969.2
45°	1127.2	1131.8	1151.3	1023.4	842.8	853.3	758.5	797.6	889.4	1161.9	1062.5
47.5°	1300.3	1300.3	1267.2	1106.2	930.1	945.1	848.8	889.4	987.3	1313.9	1170.9
50°	1453.8	1441.8	1369.5	1204.0	1000.8	1033.9	967.7	1014.4	1070.0	1429.7	1306.3
52.5°	1550.1	1545.6	1456.8	1270.2	1076.1	1131.8	1065.5	1125.7	1166.4	1550.1	1428.2
55°	1536.6	1536.6	1479.4	1304.8	1145.3	1220.5	1192.0	1267.2	1282.2	1664.5	1517.0
57.5°	1485.4	1492.9	1465.9	1318.4	1158.8	1304.8	1321.4	1392.1	1417.7	1730.7	1572.7
60°	1381.6	1396.6	1425.2	1336.4	1211.5	1399.6	1453.8	1517.0	1565.2	1780.4	1619.4
62.5°	1187.4	1207.0	1307.8	1334.9	1252.1	1497.5	1566.7	1622.4	1667.5	1807.5	1652.5
65°	900.0	936.1	1082.1	1238.6	1249.1	1611.8	1658.5	1712.7	1756.3	1834.6	1738.3
67.5°	574.9	576.4	734.4	1023.4	1164.9	1772.9	1781.9	1809.0	1837.6	1909.8	1860.2
70°	296.5	311.5	386.8	653.2	954.2	1806.0	2090.4	2051.3	2007.7	2073.9	2018.2
72.5°	197.2	213.7	254.3	352.2	599.0	1628.4	2426.0	2534.4	2341.8	2195.8	1879.7
75°	111.4	120.4	170.1	278.4	370.2	1052.0	2388.4	2775.2	2552.5	1973.0	1511.0
77.5°	49.7	52.7	76.8	218.2	317.6	513.2	1879.7	2319.2	2230.4	1645.0	1089.6
80°	27.1	27.1	36.1	100.8	269.4	386.8	1247.6	1614.9	1517.0	991.8	495.1
82.5°	15.0	16.6	21.1	48.2	164.0	353.7	788.6	1012.9	800.7	272.4	200.2
85°	6.0	6.0	9.0	25.6	60.2	299.5	431.9	481.6	323.6	138.5	155.0
87.5°	3.0	3.0	3.0	9.0	19.6	76.8	141.5	152.0	118.9	109.9	133.9
90°	4.5	4.5	3.0	3.0	13.5	81.3	118.9	124.9	97.8	109.9	135.4
92.5°	6.0	4.5	3.0	3.0	10.5	81.3	135.4	133.9	97.8	109.9	140.0
95°	7.5	6.0	3.0	3.0	10.5	72.2	162.5	146.0	105.3	111.4	147.5
97.5°	7.5	7.5	3.0	3.0	10.5	55.7	171.6	147.5	91.8	72.2	100.8
100°	9.0	9.0	3.0	3.0	12.0	33.1	118.9	109.9	64.7	24.1	28.6
102.5°	10.5	10.5	3.0	3.0	7.5	16.6	57.2	55.7	36.1	6.0	10.5
105°	10.5	12.0	3.0	3.0	3.0	7.5	21.1	25.6	18.1	6.0	10.5
107.5°	12.0	13.5	3.0	3.0	3.0	4.5	9.0	9.0	6.0	6.0	10.5
110°	12.0	12.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	10.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	9.0	9.0	1.5	3.0	3.0	3.0	1.5	3.0	3.0	4.5	9.0
115°	4.5	3.0	1.5	3.0	1.5	3.0	1.5	3.0	4.5	4.5	10.5
117.5°	1.5	1.5	1.5	1.5	1.5	3.0	1.5	3.0	3.0	7.5	13.5
120°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	10.5	16.6
122.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	10.5	19.6
125°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	7.5	18.1
127.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	7.5	15.0
130°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	6.0	13.5
132.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	6.0	10.5
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	7.5
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
140°	1.5	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5
150°	6.0	6.0	6.0	4.5	3.0	1.5	4.5	3.0	1.5	1.5	1.5
152.5°	4.5	4.5	7.5	3.0	1.5	1.5	1.5	4.5	4.5	1.5	1.5
155°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	4.5	6.0
157.5°	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5	3.0	1.5
160°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9	860.9
2.5°	854.8	845.8	821.7	799.1	772.1	755.5	698.3	633.6	620.1	617.0	606.5
5°	833.8	814.2	767.5	668.2	568.9	523.7	502.7	486.1	463.5	459.0	453.0
7.5°	707.3	674.2	602.0	480.1	465.0	422.9	388.3	359.7	298.0	281.4	272.4
10°	588.5	559.9	410.9	349.2	317.6	285.9	248.3	219.7	194.1	182.1	177.6
12.5°	475.6	447.0	307.0	276.9	197.2	162.5	141.5	117.4	97.8	87.3	87.3
15°	526.7	480.1	317.6	197.2	129.4	96.3	70.7	63.2	73.7	75.2	75.2
17.5°	430.4	383.8	249.8	153.5	94.8	52.7	57.2	64.7	70.7	61.7	63.2
20°	495.1	430.4	251.3	115.9	60.2	51.2	52.7	48.2	64.7	66.2	66.2
22.5°	374.7	338.6	189.6	91.8	46.7	48.2	45.1	54.2	60.2	52.7	51.2
25°	484.6	398.8	192.6	58.7	46.7	39.1	46.7	42.1	55.7	57.2	57.2
27.5°	555.3	447.0	168.6	51.2	39.1	42.1	37.6	43.6	42.1	42.1	42.1
30°	630.6	487.6	164.0	49.7	37.6	34.6	36.1	34.6	40.6	42.1	42.1
32.5°	630.6	466.5	124.9	49.7	36.1	33.1	28.6	31.6	33.1	36.1	37.6
35°	635.1	448.5	91.8	45.1	33.1	28.6	25.6	25.6	28.6	30.1	30.1
37.5°	648.6	436.4	70.7	42.1	30.1	25.6	21.1	22.6	39.1	43.6	43.6
40°	686.3	436.4	60.2	39.1	27.1	22.6	18.1	28.6	33.1	39.1	39.1
42.5°	745.0	442.5	57.2	37.6	24.1	19.6	15.0	22.6	40.6	46.7	48.2
45°	806.7	454.5	54.2	36.1	22.6	16.6	18.1	27.1	31.6	42.1	42.1
47.5°	892.5	480.1	52.7	34.6	21.1	13.5	16.6	27.1	34.6	45.1	45.1
50°	985.8	507.2	49.7	33.1	18.1	12.0	25.6	22.6	28.6	46.7	46.7
52.5°	1082.1	538.8	48.2	31.6	16.6	16.6	28.6	27.1	34.6	45.1	46.7
55°	1166.4	564.4	45.1	31.6	15.0	15.0	30.1	27.1	31.6	42.1	43.6
57.5°	1207.0	568.9	43.6	30.1	13.5	15.0	28.6	33.1	28.6	34.6	37.6
60°	1258.2	580.9	39.1	27.1	12.0	19.6	33.1	43.6	39.1	45.1	48.2
62.5°	1306.3	590.0	34.6	24.1	10.5	21.1	43.6	52.7	42.1	52.7	58.7
65°	1395.1	609.5	28.6	19.6	9.0	24.1	49.7	63.2	46.7	61.7	61.7
67.5°	1518.5	641.1	22.6	16.6	9.0	27.1	51.2	72.2	55.7	67.7	66.2
70°	1566.7	590.0	19.6	15.0	9.0	31.6	55.7	78.3	58.7	75.2	75.2
72.5°	1366.5	425.9	16.6	15.0	15.0	36.1	69.2	85.8	64.7	94.8	93.3
75°	1055.0	267.9	16.6	15.0	18.1	45.1	78.3	91.8	69.2	105.3	103.8
77.5°	702.8	126.4	16.6	16.6	21.1	49.7	84.3	97.8	76.8	117.4	115.9
80°	275.4	69.2	18.1	18.1	25.6	52.7	90.3	100.8	79.8	126.4	124.9
82.5°	132.4	48.2	18.1	18.1	34.6	58.7	96.3	105.3	82.8	127.9	126.4
85°	112.9	45.1	16.6	19.6	42.1	73.7	102.3	103.8	84.3	121.9	121.9
87.5°	100.8	43.6	16.6	19.6	57.2	85.8	106.9	102.3	90.3	118.9	118.9
90°	103.8	46.7	18.1	22.6	64.7	87.3	108.4	102.3	87.3	109.9	109.9
92.5°	111.4	49.7	19.6	24.1	64.7	81.3	100.8	91.8	81.3	93.3	91.8
95°	117.4	52.7	21.1	27.1	57.2	63.2	84.3	73.7	67.7	72.2	72.2
97.5°	90.3	40.6	24.1	30.1	43.6	37.6	52.7	48.2	36.1	30.1	30.1
100°	24.1	13.5	25.6	30.1	30.1	25.6	39.1	36.1	24.1	10.5	10.5
102.5°	9.0	9.0	24.1	28.6	24.1	19.6	28.6	27.1	19.6	3.0	3.0
105°	9.0	7.5	15.0	22.6	15.0	10.5	15.0	18.1	12.0	3.0	3.0
107.5°	9.0	7.5	9.0	13.5	6.0	4.5	6.0	6.0	6.0	1.5	3.0
110°	9.0	7.5	4.5	6.0	4.5	4.5	4.5	3.0	3.0	6.0	6.0



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 CATALOG NUMBER: SDL-PA1-40-727-U-SL3-HSS-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	7.5	4.5	6.0	4.5	4.5	3.0	3.0	4.5	9.0	9.0
115°	9.0	7.5	4.5	4.5	3.0	4.5	3.0	1.5	4.5	10.5	12.0
117.5°	12.0	7.5	3.0	3.0	3.0	3.0	3.0	1.5	4.5	13.5	15.0
120°	15.0	9.0	3.0	3.0	3.0	1.5	3.0	1.5	6.0	13.5	15.0
122.5°	16.6	10.5	3.0	3.0	3.0	1.5	1.5	3.0	6.0	13.5	13.5
125°	16.6	10.5	3.0	3.0	1.5	1.5	1.5	1.5	6.0	13.5	15.0
127.5°	13.5	9.0	3.0	3.0	1.5	1.5	1.5	1.5	6.0	12.0	13.5
130°	12.0	9.0	3.0	3.0	1.5	1.5	1.5	1.5	6.0	10.5	12.0
132.5°	9.0	7.5	3.0	1.5	1.5	1.5	1.5	1.5	6.0	9.0	10.5
135°	7.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	4.5	9.0	9.0
137.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5
140°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
142.5°	1.5	3.0	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
145°	1.5	3.0	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
147.5°	1.5	3.0	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
150°	1.5	3.0	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	3.0
152.5°	1.5	3.0	1.5	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5
155°	6.0	4.5	3.0	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5
160°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5
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

(END OF REPORT)