

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: P560341

Luminaire Tested: **SDL-PA1-40-727-U-T2U-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560341  
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-PA1-40-727-U-T2U-HSS-A  
Description: Springdale  
(1) 70 CRI, 2700K, 500mA 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: 2818.6 lumens  
Efficiency: N/A  
Efficacy: 71.5 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 - U2 - G1

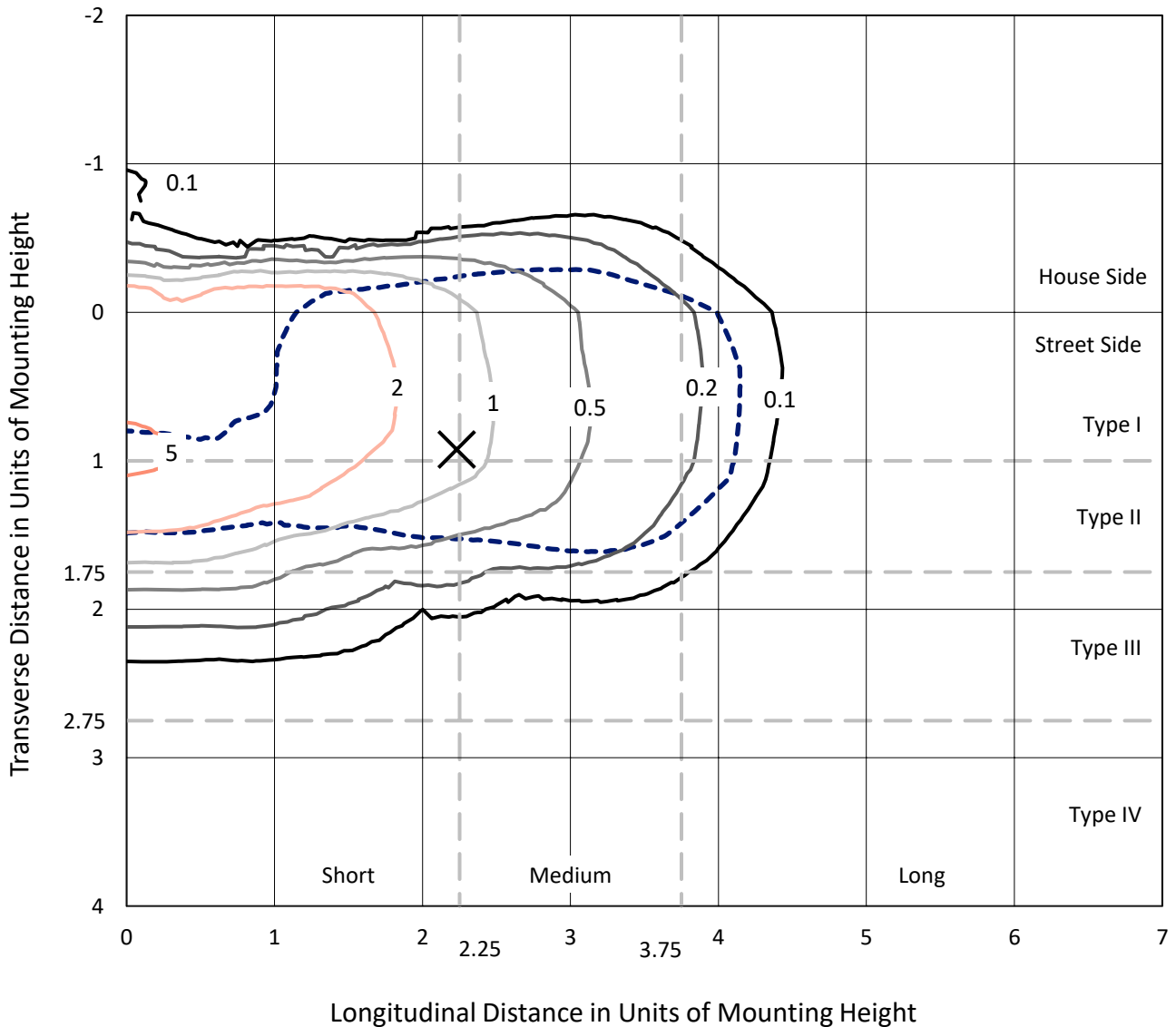
Input Watts (W): 39.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

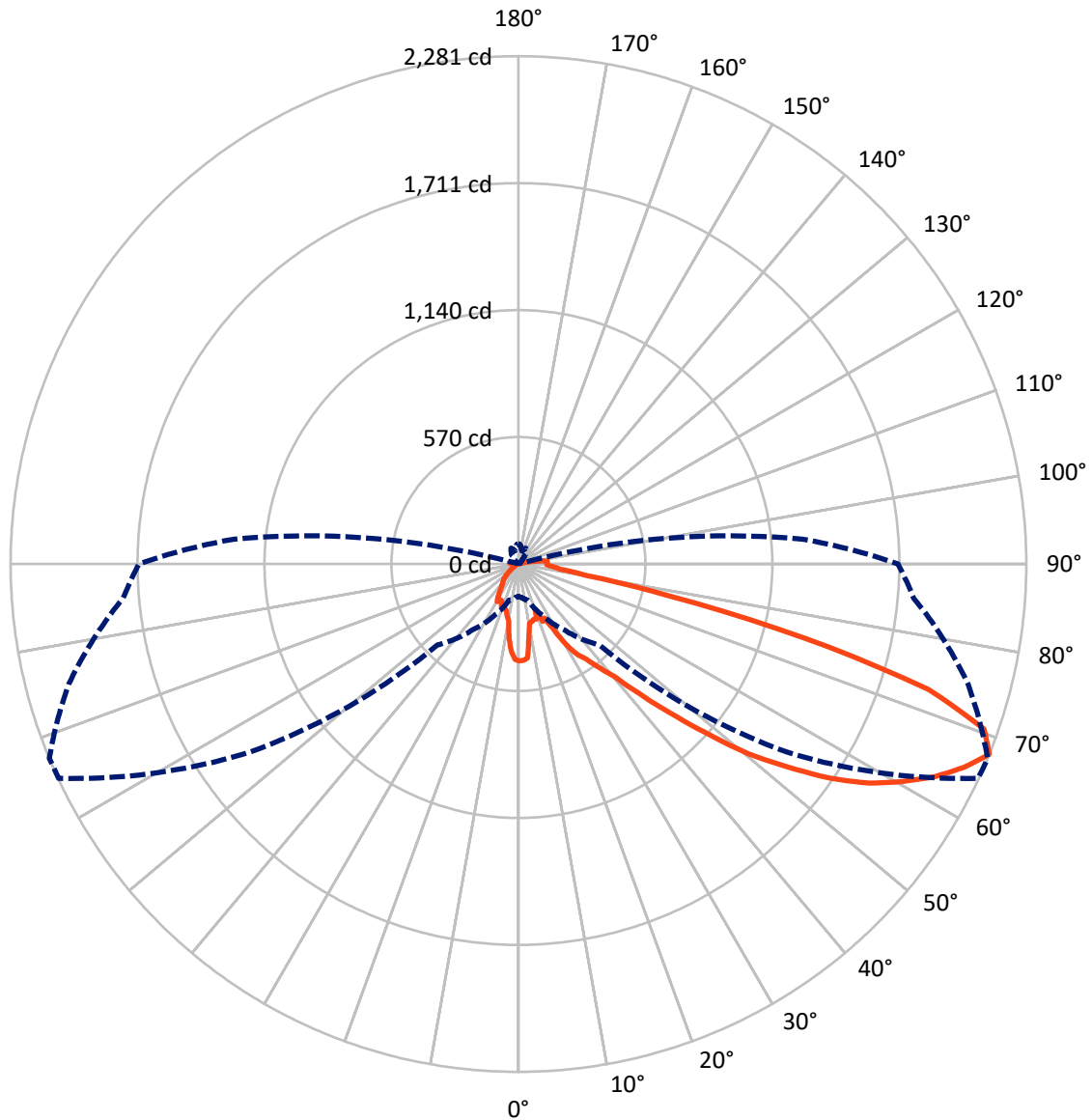
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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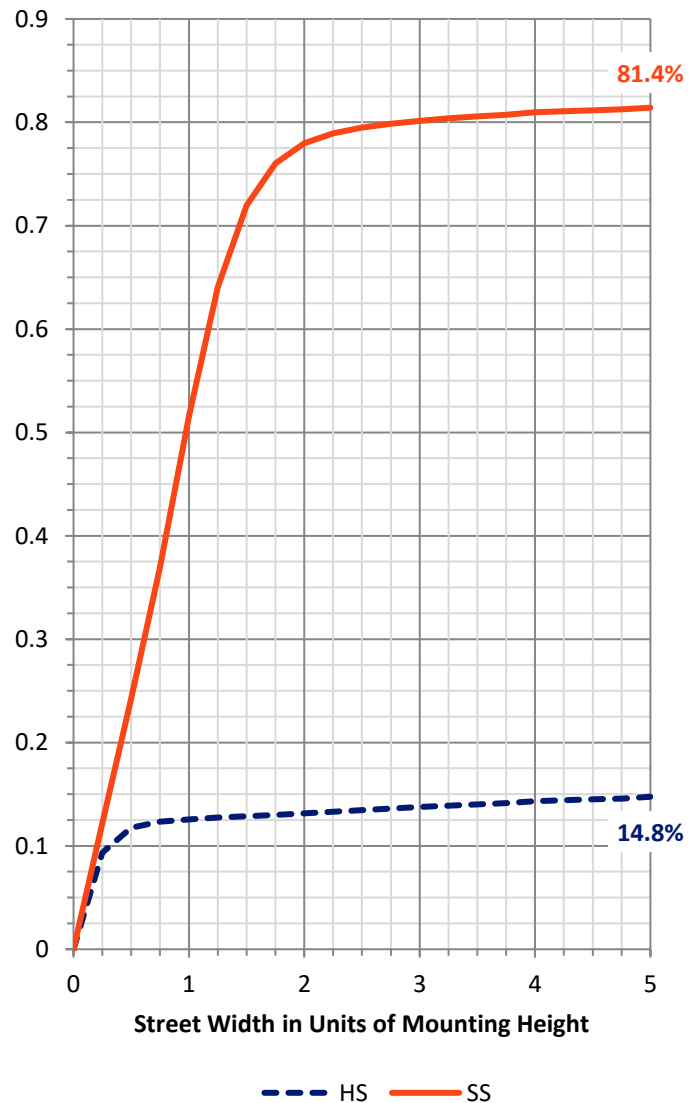
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	441.1	32.8	473.9
	% Fixture	15.6	1.2	16.8
<b>Street Side</b>	Lumens	2309.8	34.9	2344.7
	% Fixture	81.9	1.2	83.2
<b>Total</b>	Lumens	2750.8	67.8	2818.6
	% Fixture	97.6	2.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.4	1.2
10°-20°	63.7	2.3
20°-30°	96.1	3.4
30°-40°	221.4	7.9
40°-50°	493.5	17.5
50°-60°	734.3	26.1
60°-70°	654.9	23.2
70°-80°	367.6	13.0
80°-90°	85.8	3.0
90°-100°	47.1	1.7
100°-110°	10.8	0.4
110°-120°	4.2	0.2
120°-130°	2.8	0.1
130°-140°	1.5	0.1
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2750.8	97.6
0°-180°	2818.6	100.0



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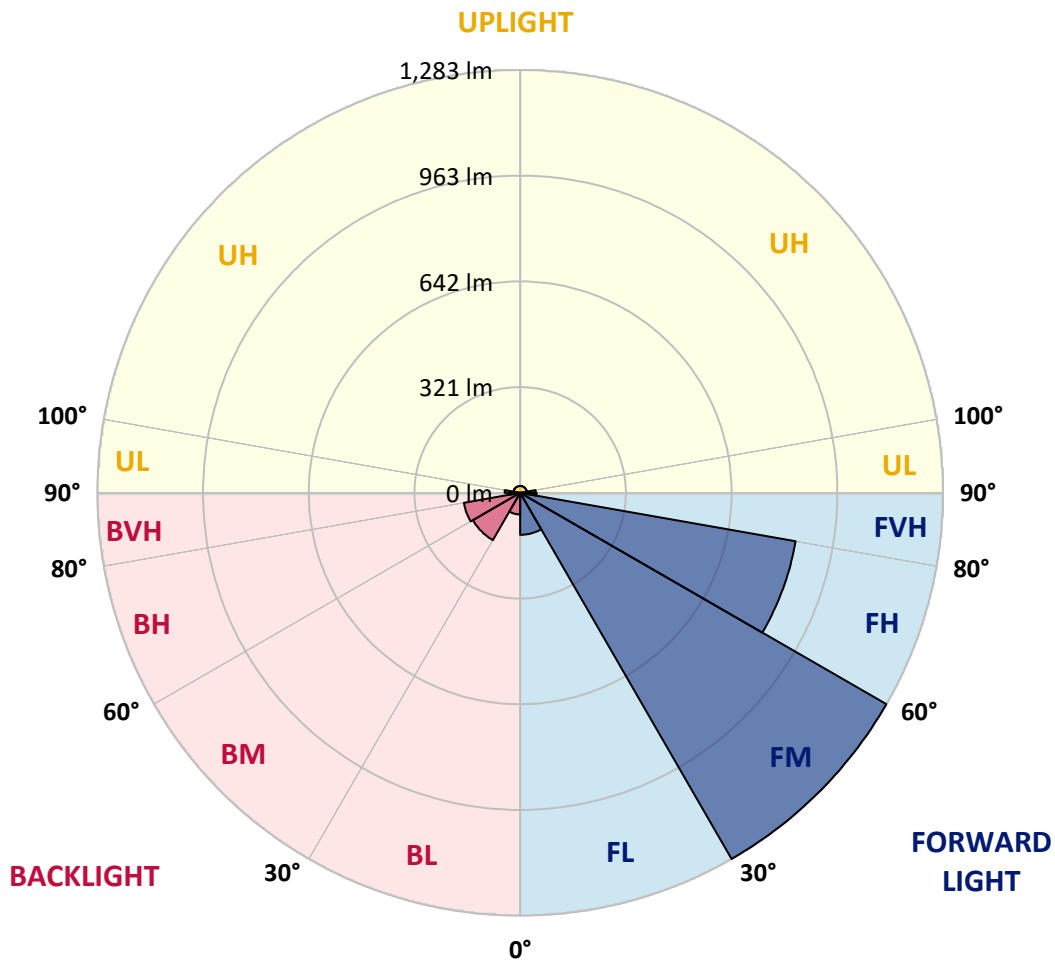
CATALOG NUMBER: SDL-PA1-40-727-U-T2U-HSS-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.5	4.5			
FM (30°-60°)	1283.4	45.5			
FH (60°-80°)	849.0	30.1			G1/1800
FVH (80°-90°)	49.8	1.8			G1/100
BL (0°-30°)	65.7	2.3	B0/110		
BM (30°-60°)	165.8	5.9	B0/220		
BH (60°-80°)	173.5	6.2	B1/500		G1/500
BVH (80°-90°)	36.0	1.3			G1/100
UL (90°-100°)	47.1	1.7		U2/50	
UH (100°-180°)	20.7	0.7		U2/50	

**BUG Rating: B1-U2-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	434.8	434.8	434.8	434.8	434.8	434.8	434.8	434.8	434.8	434.8	434.8
2.5°	368.6	389.7	412.2	427.3	430.3	434.8	434.8	433.3	433.3	431.8	431.8
5°	358.1	356.6	358.1	361.1	359.6	359.6	359.6	419.8	424.3	427.3	427.3
7.5°	308.4	315.9	340.0	349.0	352.1	355.1	355.1	350.5	334.0	370.1	374.6
10°	335.5	334.0	334.0	337.0	314.4	305.4	275.3	270.8	270.8	282.8	322.0
12.5°	281.3	297.9	320.5	329.5	303.9	269.3	261.8	267.8	266.3	233.2	272.3
15°	319.0	319.0	315.9	309.9	239.2	267.8	225.7	225.7	257.3	276.8	311.4
17.5°	258.8	266.3	303.9	299.4	263.3	201.6	263.3	242.2	260.3	243.7	261.8
20°	317.5	315.9	317.5	242.2	267.8	276.8	263.3	236.2	215.1	282.8	312.9
22.5°	261.8	258.8	273.8	299.4	252.8	287.4	240.7	287.4	279.8	251.3	225.7
25°	338.5	337.0	340.0	264.8	296.4	257.3	296.4	257.3	269.3	322.0	329.5
27.5°	305.4	303.9	299.4	323.5	281.3	325.0	279.8	314.4	323.5	349.0	404.7
30°	430.3	424.3	409.2	325.0	331.0	312.9	331.0	386.7	416.7	467.9	484.5
32.5°	627.4	595.8	496.5	430.3	350.5	400.2	374.6	454.4	482.9	508.5	522.1
35°	810.9	797.4	725.2	568.7	427.3	442.3	422.8	508.5	525.1	579.2	576.2
37.5°	1062.2	1039.6	928.3	734.2	537.1	531.1	481.4	579.2	591.3	669.5	654.5
40°	1250.2	1232.2	1144.9	911.7	683.0	630.4	562.7	677.0	663.5	768.8	747.7
42.5°	1430.8	1420.3	1352.6	1114.8	844.0	783.8	646.9	797.4	794.4	886.2	868.1
45°	1576.7	1564.7	1521.1	1296.9	1029.1	1030.6	779.3	929.8	950.8	1038.1	991.5
47.5°	1662.5	1636.9	1605.3	1441.3	1215.6	1266.8	974.9	1080.2	1131.4	1206.6	1135.9
50°	1642.9	1617.3	1620.4	1533.1	1387.2	1469.9	1184.0	1239.7	1342.0	1400.7	1260.8
52.5°	1486.5	1471.4	1521.1	1516.5	1474.4	1656.5	1427.8	1412.7	1513.5	1552.6	1388.7
55°	1263.8	1242.7	1336.0	1402.2	1474.4	1772.3	1653.5	1605.3	1697.1	1691.1	1475.9
57.5°	959.9	967.4	1072.7	1176.5	1354.1	1794.9	1820.5	1814.4	1856.6	1805.4	1545.1
60°	656.0	660.5	809.4	926.8	1110.3	1676.0	1874.6	1987.5	1982.9	1901.7	1623.4
62.5°	412.2	410.7	523.6	708.6	798.9	1364.6	1853.6	2118.3	2101.8	1973.9	1683.5
65°	237.7	243.7	284.4	469.4	555.2	931.3	1731.7	2246.2	2199.6	2038.6	1748.2
67.5°	145.9	150.5	170.0	254.3	362.6	514.5	1472.9	2277.8	2280.8	2091.3	1782.8
70°	123.4	124.9	133.9	156.5	252.8	288.9	991.5	2130.4	2217.6	2103.3	1772.3
72.5°	103.8	105.3	118.9	136.9	188.1	204.6	445.3	1760.3	1925.8	2011.5	1695.6
75°	76.7	78.2	97.8	124.9	136.9	164.0	243.7	1166.0	1322.5	1590.3	1445.8
77.5°	49.6	51.2	69.2	100.8	115.8	129.4	197.1	544.6	689.1	919.3	913.2
80°	33.1	33.1	40.6	70.7	91.8	105.3	171.5	269.3	306.9	379.1	355.1
82.5°	21.1	21.1	25.6	43.6	58.7	105.3	161.0	192.6	186.6	189.6	168.5
85°	9.0	9.0	13.5	24.1	31.6	69.2	144.4	165.5	158.0	158.0	150.5
87.5°	3.0	3.0	4.5	7.5	10.5	21.1	111.3	132.4	127.9	132.4	142.9
90°	3.0	3.0	1.5	3.0	3.0	15.0	90.3	130.9	127.9	133.9	147.4
92.5°	4.5	4.5	1.5	1.5	3.0	12.0	70.7	135.4	130.9	139.9	153.5
95°	7.5	7.5	3.0	1.5	4.5	10.5	43.6	120.4	130.9	138.4	156.5
97.5°	9.0	9.0	3.0	3.0	4.5	9.0	22.6	97.8	100.8	105.3	123.4
100°	12.0	12.0	3.0	3.0	3.0	7.5	12.0	51.2	52.7	37.6	60.2
102.5°	12.0	12.0	3.0	3.0	3.0	4.5	6.0	22.6	21.1	7.5	7.5
105°	13.5	13.5	4.5	3.0	3.0	3.0	3.0	7.5	7.5	4.5	9.0
107.5°	13.5	13.5	4.5	4.5	3.0	3.0	1.5	3.0	4.5	4.5	9.0
110°	10.5	10.5	4.5	4.5	3.0	1.5	1.5	1.5	3.0	4.5	10.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	7.5	7.5	3.0	4.5	3.0	1.5	1.5	1.5	3.0	6.0	15.0
115°	3.0	3.0	1.5	3.0	1.5	1.5	1.5	3.0	3.0	4.5	12.0
117.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	1.5	4.5	10.5
120°	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5	1.5	6.0	10.5
122.5°	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	6.0	10.5
125°	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	4.5	9.0
127.5°	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	3.0	9.0
130°	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	3.0	6.0
132.5°	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	3.0	4.5
135°	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	3.0
137.5°	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5
140°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	3.0	3.0	1.5	0.0	3.0	1.5	1.5	1.5	1.5
152.5°	3.0	3.0	3.0	3.0	1.5	0.0	1.5	3.0	1.5	1.5	1.5
155°	3.0	3.0	1.5	1.5	1.5	0.0	1.5	1.5	1.5	3.0	4.5
157.5°	0.0	0.0	0.0	0.0	1.5	0.0	1.5	1.5	0.0	0.0	1.5
160°	0.0	0.0	0.0	0.0	1.5	0.0	1.5	1.5	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°	434.8	434.8	434.8	434.8	434.8	434.8	434.8	434.8	434.8	434.8	434.8
2.5°	430.3	430.3	428.8	428.8	424.3	422.8	403.2	382.1	365.6	367.1	367.1
5°	425.8	422.8	418.3	388.2	350.5	344.5	344.5	341.5	340.0	341.5	341.5
7.5°	371.6	368.6	350.5	335.5	337.0	334.0	328.0	326.5	300.9	275.3	273.8
10°	320.5	315.9	267.8	257.3	255.8	266.3	291.9	282.8	273.8	263.3	267.8
12.5°	267.8	266.3	222.7	246.7	215.1	221.2	227.2	218.2	186.6	150.5	155.0
15°	309.9	305.4	252.8	204.6	183.5	185.1	121.9	117.4	94.8	85.8	81.2
17.5°	230.2	252.8	221.2	204.6	185.1	96.3	78.2	60.2	54.2	43.6	45.1
20°	308.4	302.4	252.8	191.1	142.9	81.2	43.6	34.6	42.1	43.6	43.6
22.5°	218.2	212.1	213.6	203.1	100.8	46.6	33.1	34.6	31.6	30.1	30.1
25°	320.5	309.9	258.8	155.0	75.2	30.1	31.6	24.1	28.6	28.6	28.6
27.5°	389.7	353.6	272.3	150.5	42.1	30.1	22.6	24.1	19.6	19.6	19.6
30°	466.4	445.3	356.6	139.9	33.1	24.1	21.1	16.5	18.1	18.1	18.1
32.5°	501.0	472.4	356.6	111.3	28.6	22.6	16.5	15.0	15.0	16.5	16.5
35°	550.6	520.6	355.1	73.7	24.1	18.1	13.5	13.5	13.5	13.5	13.5
37.5°	625.9	582.2	361.1	46.6	19.6	15.0	10.5	12.0	12.0	25.6	25.6
40°	710.1	660.5	344.5	33.1	16.5	12.0	9.0	15.0	21.1	22.6	22.6
42.5°	816.9	762.8	320.5	28.6	15.0	9.0	7.5	12.0	18.1	28.6	28.6
45°	944.8	863.6	287.4	25.6	12.0	7.5	7.5	15.0	22.6	27.1	27.1
47.5°	1059.2	961.4	230.2	24.1	10.5	6.0	10.5	16.5	19.6	31.6	31.6
50°	1193.1	1063.7	176.0	21.1	9.0	6.0	16.5	18.1	22.6	28.6	28.6
52.5°	1292.4	1149.4	133.9	19.6	9.0	4.5	16.5	16.5	25.6	33.1	33.1
55°	1372.1	1196.1	96.3	16.5	7.5	4.5	19.6	21.1	22.6	25.6	25.6
57.5°	1433.8	1229.2	75.2	15.0	7.5	10.5	24.1	27.1	24.1	25.6	25.6
60°	1504.5	1245.7	55.7	13.5	6.0	10.5	28.6	36.1	27.1	39.1	37.6
62.5°	1569.2	1257.8	45.1	13.5	6.0	12.0	31.6	45.1	36.1	52.7	54.2
65°	1650.4	1272.8	37.6	10.5	6.0	16.5	37.6	60.2	48.1	69.2	72.2
67.5°	1704.6	1281.8	31.6	10.5	6.0	19.6	52.7	78.2	60.2	87.3	90.3
70°	1710.6	1248.7	25.6	10.5	6.0	30.1	72.2	94.8	75.2	111.3	112.8
72.5°	1632.4	1154.0	21.1	12.0	6.0	33.1	84.3	109.8	88.8	147.4	148.9
75°	1319.5	809.4	19.6	12.0	6.0	42.1	91.8	120.4	99.3	153.5	156.5
77.5°	810.9	374.6	18.1	13.5	9.0	46.6	93.3	127.9	103.8	153.5	158.0
80°	314.4	185.1	16.5	15.0	21.1	52.7	100.8	129.4	103.8	142.9	148.9
82.5°	145.9	108.3	16.5	16.5	27.1	54.2	99.3	120.4	96.3	127.9	126.4
85°	130.9	106.8	18.1	18.1	28.6	46.6	78.2	102.3	82.7	100.8	100.8
87.5°	127.9	105.3	19.6	22.6	28.6	27.1	60.2	87.3	70.7	75.2	75.2
90°	130.9	109.8	21.1	25.6	24.1	15.0	48.1	72.2	54.2	48.1	46.6
92.5°	139.9	111.3	25.6	30.1	22.6	12.0	40.6	58.7	39.1	31.6	30.1
95°	147.4	114.3	31.6	36.1	24.1	10.5	36.1	46.6	28.6	19.6	18.1
97.5°	123.4	88.8	36.1	39.1	24.1	10.5	31.6	37.6	22.6	10.5	10.5
100°	52.7	39.1	37.6	42.1	22.6	9.0	27.1	30.1	15.0	4.5	6.0
102.5°	10.5	12.0	33.1	39.1	18.1	6.0	18.1	18.1	10.5	1.5	3.0
105°	10.5	9.0	21.1	33.1	10.5	3.0	7.5	10.5	4.5	1.5	1.5
107.5°	10.5	10.5	7.5	16.5	4.5	3.0	3.0	4.5	3.0	1.5	1.5
110°	12.0	10.5	3.0	4.5	3.0	3.0	3.0	3.0	1.5	7.5	9.0



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 CATALOG NUMBER: SDL-PA1-40-727-U-T2U-HSS-A

**CANDELA DISTRIBUTION (continued):**

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