

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: P560692

Luminaire Tested: **SDL-PA1-60-727-U-T2U-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560692  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-60-727-U-T2U-A  
Description: Springdale  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5957.7 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U3 - G2

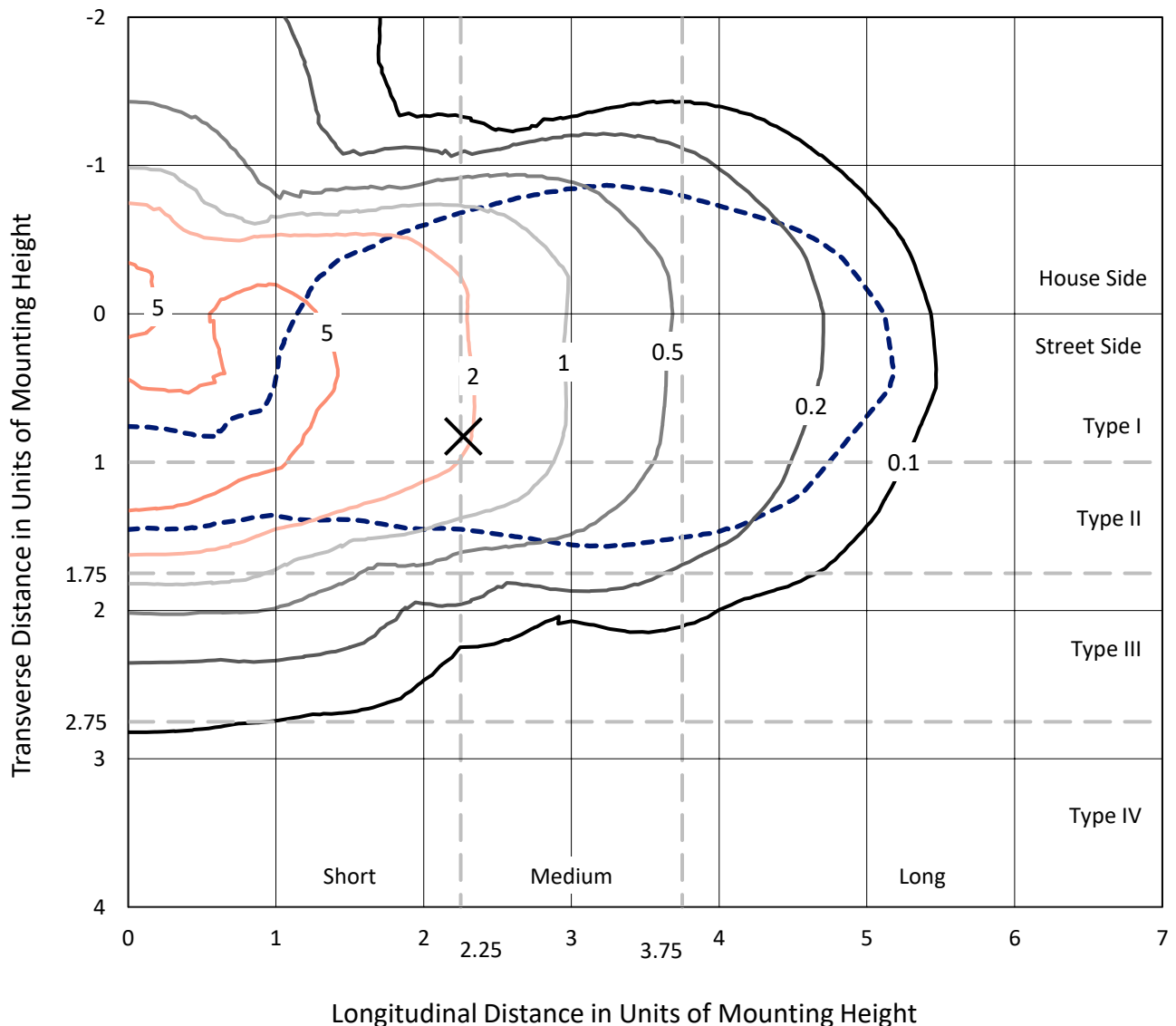
Input Watts (W): 62.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P560692  
 CATALOG NUMBER: SDL-PA1-60-727-U-T2U-A

### Iso-Footcandle Lines of Horizontal Illumination

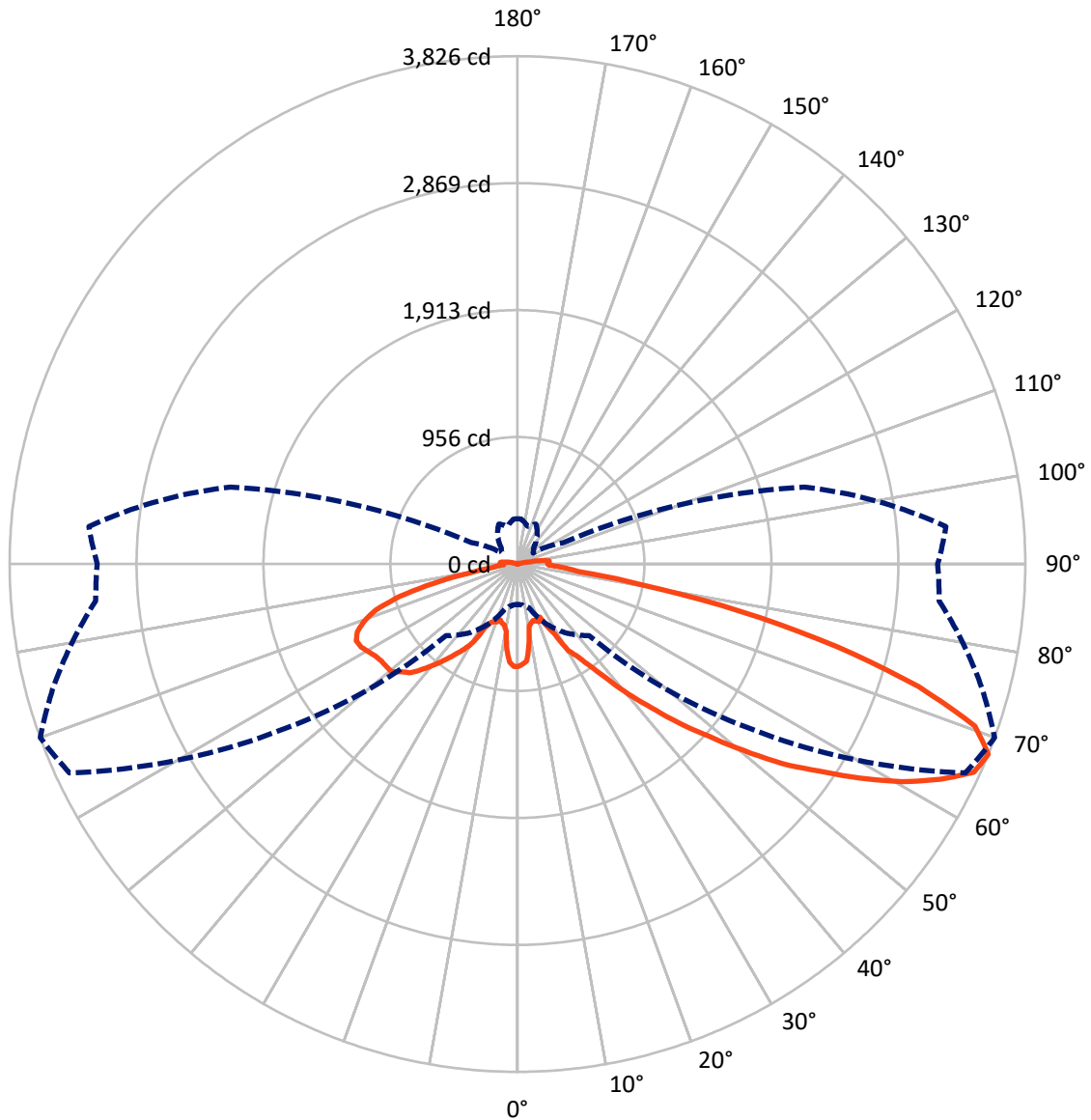
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc  
 Type II - Medium - N/A

REPORT NUMBER: P560692  
CATALOG NUMBER: SDL-PA1-60-727-U-T2U-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560692

CATALOG NUMBER: SDL-PA1-60-727-U-T2U-A

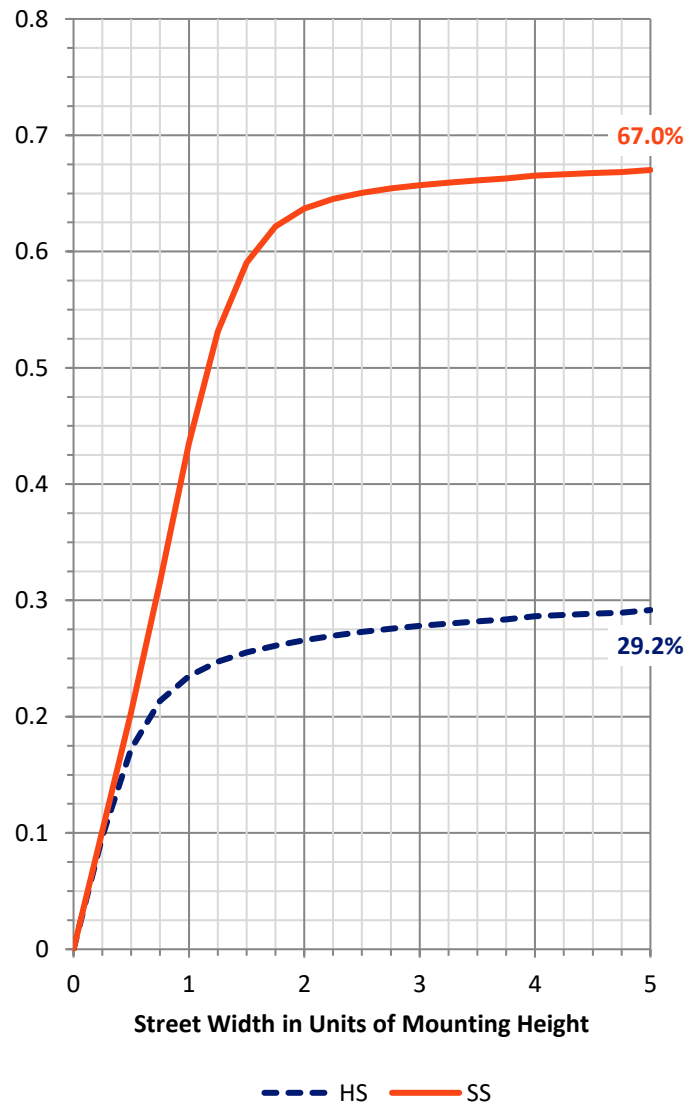
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1791.9	70.3	1862.2
	% Fixture	30.1	1.2	31.3
<b>Street Side</b>	Lumens	4027.6	67.9	4095.5
	% Fixture	67.6	1.1	68.7
<b>Total</b>	Lumens	5819.5	138.2	5957.7
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.8	1.0
10°-20°	142.9	2.4
20°-30°	253.6	4.3
30°-40°	534.3	9.0
40°-50°	998.9	16.8
50°-60°	1383.4	23.2
60°-70°	1334.0	22.4
70°-80°	877.0	14.7
80°-90°	233.7	3.9
90°-100°	95.9	1.6
100°-110°	20.9	0.4
110°-120°	9.0	0.2
120°-130°	6.5	0.1
130°-140°	3.0	0.0
140°-150°	1.6	0.0
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5819.5	97.7
0°-180°	5957.7	100.0



REPORT NUMBER: P560692

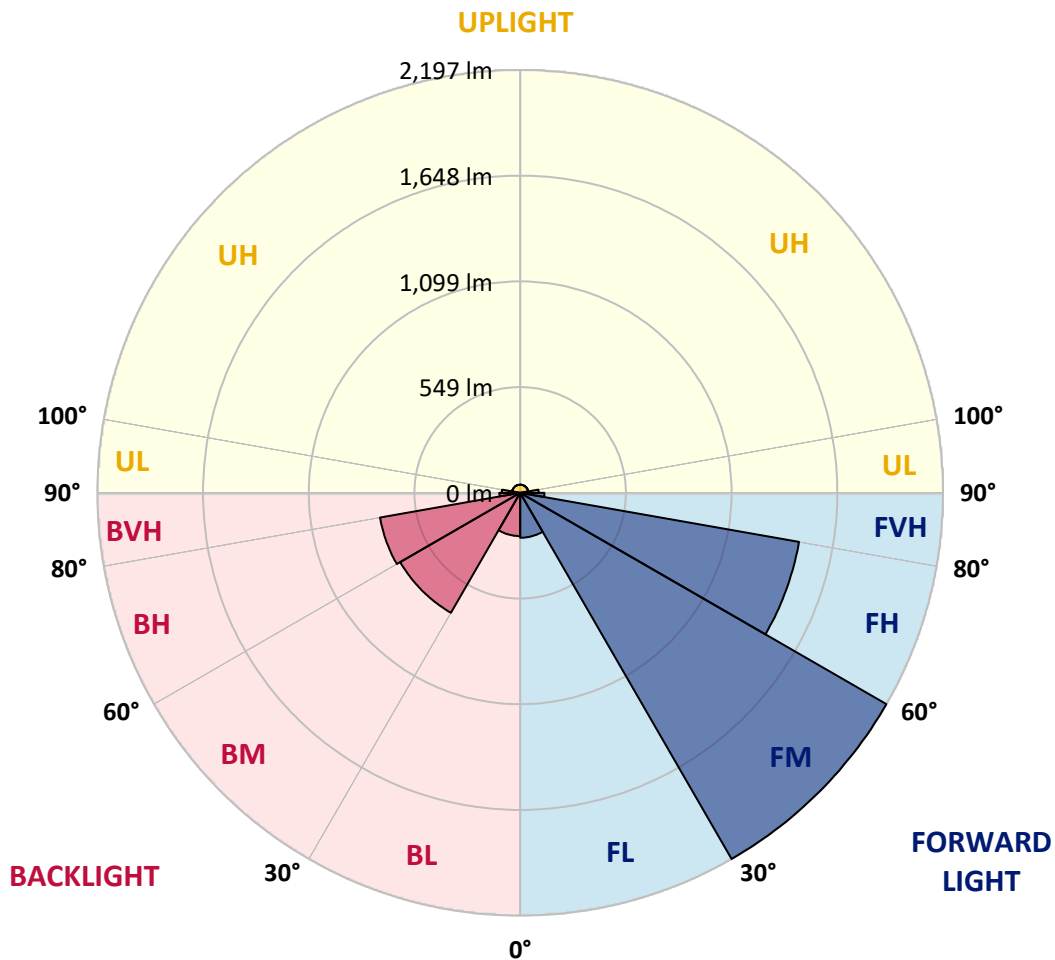
CATALOG NUMBER: SDL-PA1-60-727-U-T2U-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.5	3.9			
FM (30°-60°)	2197.1	36.9			
FH (60°-80°)	1471.2	24.7			G1/1800
FVH (80°-90°)	125.8	2.1			G2/225
BL (0°-30°)	224.8	3.8	B1/500		
BM (30°-60°)	719.4	12.1	B1/1000		
BH (60°-80°)	739.7	12.4	B2/1000		G2/1000
BVH (80°-90°)	108.0	1.8			G2/225
UL (90°-100°)	95.9	1.6		U3/500	
UH (100°-180°)	42.4	0.7		U2/50	

**BUG Rating: B2-U3-G2**

Type II Medium





REPORT NUMBER: P560692  
 CATALOG NUMBER: SDL-PA1-60-727-U-T2U-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0
2.5°	643.7	696.0	680.1	730.1	741.5	752.8	755.1	757.4	755.1	757.4	761.9
5°	607.3	609.5	611.8	616.4	616.4	620.9	630.0	725.5	734.6	741.5	750.6
7.5°	507.2	529.9	573.2	589.1	595.9	605.0	609.5	609.5	618.6	641.4	657.3
10°	564.1	559.5	561.8	564.1	532.2	525.4	477.6	470.8	477.6	493.6	568.6
12.5°	473.1	495.8	543.6	555.0	516.3	457.2	450.3	459.4	457.2	411.7	482.2
15°	548.1	545.9	541.3	532.2	432.1	452.6	388.9	393.5	441.2	473.1	539.0
17.5°	477.6	475.4	539.0	520.8	454.9	352.5	443.5	411.7	450.3	416.2	445.8
20°	593.6	591.4	584.5	434.4	464.0	468.5	429.9	398.0	464.0	479.9	541.3
22.5°	539.0	539.0	582.3	570.9	470.8	495.8	409.4	484.5	434.4	441.2	409.4
25°	741.5	734.6	725.5	529.9	566.3	454.9	507.2	445.8	518.6	561.8	589.1
27.5°	718.7	705.1	696.0	702.8	568.6	595.9	502.6	555.0	598.2	616.4	686.9
30°	1009.8	991.6	964.4	736.9	707.3	609.5	607.3	686.9	757.4	814.2	852.9
32.5°	1287.3	1291.9	1150.9	989.4	782.4	814.2	723.3	805.1	827.9	887.0	909.8
35°	1651.2	1605.7	1517.0	1235.0	953.0	921.1	841.5	918.9	941.6	998.5	1012.1
37.5°	1937.8	1940.1	1803.6	1485.2	1141.8	1114.5	975.7	1055.3	1096.3	1160.0	1137.2
40°	2213.0	2224.4	2115.2	1742.2	1380.6	1305.5	1137.2	1230.5	1287.3	1326.0	1287.3
42.5°	2458.7	2456.4	2381.3	2026.5	1603.5	1560.3	1307.8	1428.3	1478.4	1514.8	1485.2
45°	2652.0	2645.2	2576.9	2258.5	1867.3	1926.4	1530.7	1655.8	1708.1	1749.0	1676.3
47.5°	2717.9	2681.5	2652.0	2426.8	2112.9	2249.4	1805.9	1876.4	1937.8	2008.3	1890.0
50°	2647.4	2599.7	2611.0	2506.4	2319.9	2520.1	2101.6	2131.1	2206.2	2267.6	2092.5
52.5°	2354.0	2342.7	2406.3	2426.8	2408.6	2727.0	2433.6	2349.5	2497.3	2504.1	2301.7
55°	1967.4	1953.7	2103.8	2188.0	2324.5	2808.9	2715.7	2656.5	2752.1	2740.7	2488.2
57.5°	1585.3	1576.2	1712.6	1851.4	2087.9	2763.4	2913.5	2993.1	3040.9	2977.2	2661.1
60°	1062.2	1080.4	1314.6	1501.1	1708.1	2490.5	2988.6	3307.0	3329.8	3193.3	2843.0
62.5°	677.8	702.8	852.9	1157.7	1276.0	2022.0	2934.0	3586.8	3573.1	3388.9	3011.3
65°	434.4	443.5	516.3	784.7	914.3	1339.6	2690.6	3777.8	3780.1	3564.0	3145.5
67.5°	304.8	307.0	341.2	489.0	632.3	761.9	2188.0	3723.2	3825.6	3623.2	3188.7
70°	272.9	275.2	284.3	332.1	479.9	473.1	1326.0	3327.5	3657.3	3545.8	3122.8
72.5°	243.4	245.6	261.6	288.9	368.5	370.7	634.6	2649.7	3161.5	3270.6	2927.2
75°	202.4	207.0	225.2	270.7	284.3	311.6	425.3	1862.8	2488.2	2818.0	2695.2
77.5°	170.6	172.9	186.5	229.7	247.9	252.5	363.9	1032.6	1719.5	2074.3	2374.5
80°	136.5	136.5	147.8	182.0	204.7	207.0	325.2	545.9	953.0	1255.5	1651.2
82.5°	88.7	91.0	104.6	136.5	152.4	204.7	288.9	398.0	466.3	605.0	750.6
85°	56.9	56.9	66.0	77.3	91.0	156.9	254.7	329.8	348.0	379.8	341.2
87.5°	27.3	27.3	25.0	29.6	34.1	59.1	177.4	234.3	236.5	232.0	250.2
90°	22.7	22.7	18.2	20.5	22.7	31.8	134.2	229.7	227.4	236.5	259.3
92.5°	25.0	25.0	18.2	20.5	22.7	27.3	97.8	232.0	238.8	250.2	275.2
95°	27.3	27.3	18.2	18.2	20.5	25.0	61.4	200.1	241.1	252.5	284.3
97.5°	25.0	25.0	13.6	15.9	18.2	22.7	38.7	150.1	188.8	197.9	225.2
100°	22.7	22.7	11.4	13.6	15.9	18.2	25.0	77.3	81.9	61.4	86.4
102.5°	20.5	22.7	9.1	11.4	11.4	11.4	15.9	36.4	36.4	20.5	22.7
105°	20.5	22.7	9.1	9.1	6.8	9.1	9.1	13.6	15.9	11.4	18.2
107.5°	22.7	22.7	9.1	9.1	6.8	6.8	6.8	9.1	11.4	9.1	18.2
110°	20.5	20.5	6.8	9.1	4.5	4.5	4.5	6.8	9.1	9.1	20.5



REPORT NUMBER: P560692

CATALOG NUMBER: SDL-PA1-60-727-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	13.6	13.6	6.8	9.1	4.5	4.5	4.5	6.8	9.1	11.4	25.0
115°	11.4	9.1	4.5	6.8	4.5	4.5	4.5	6.8	6.8	9.1	20.5
117.5°	11.4	9.1	4.5	4.5	2.3	4.5	4.5	6.8	6.8	9.1	18.2
120°	11.4	11.4	4.5	2.3	2.3	2.3	2.3	4.5	6.8	11.4	20.5
122.5°	13.6	11.4	4.5	4.5	2.3	2.3	2.3	4.5	6.8	11.4	20.5
125°	13.6	13.6	6.8	4.5	2.3	2.3	2.3	4.5	6.8	9.1	18.2
127.5°	13.6	11.4	6.8	4.5	2.3	2.3	2.3	2.3	4.5	6.8	15.9
130°	11.4	11.4	6.8	2.3	2.3	2.3	2.3	2.3	4.5	4.5	11.4
132.5°	9.1	9.1	6.8	2.3	2.3	2.3	2.3	2.3	2.3	4.5	9.1
135°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	6.8
137.5°	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3
150°	4.5	4.5	9.1	6.8	4.5	2.3	4.5	2.3	2.3	2.3	2.3
152.5°	6.8	6.8	9.1	6.8	2.3	2.3	2.3	4.5	2.3	2.3	2.3
155°	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3	4.5	4.5	6.8
157.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	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





REPORT NUMBER: P560692  
 CATALOG NUMBER: SDL-PA1-60-727-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0
2.5°	764.2	764.2	771.0	773.3	771.0	768.8	755.1	714.2	689.2	691.4	691.4
5°	752.8	755.1	761.9	721.0	671.0	675.5	682.3	684.6	684.6	689.2	689.2
7.5°	664.1	666.4	648.2	655.0	671.0	682.3	686.9	675.5	639.1	625.5	625.5
10°	575.4	575.4	511.7	514.0	532.2	566.3	673.2	684.6	696.0	698.2	696.0
12.5°	486.7	489.0	436.7	502.6	479.9	541.3	620.9	686.9	634.6	582.3	589.1
15°	543.6	548.1	491.3	432.1	443.5	534.5	464.0	636.8	641.4	641.4	641.4
17.5°	436.7	461.7	434.4	445.8	491.3	402.6	525.4	582.3	534.5	520.8	520.8
20°	543.6	543.6	495.8	429.9	454.9	523.1	466.3	518.6	609.5	609.5	607.3
22.5°	404.8	404.8	434.4	498.1	457.2	516.3	493.6	536.8	484.5	484.5	498.1
25°	584.5	577.7	527.7	441.2	520.8	477.6	495.8	468.5	548.1	555.0	550.4
27.5°	705.1	700.5	566.3	507.2	489.0	509.5	445.8	436.7	420.8	484.5	477.6
30°	834.7	823.3	741.5	611.8	536.8	429.9	402.6	418.5	464.0	466.3	464.0
32.5°	896.1	871.1	780.1	732.4	548.1	443.5	361.6	373.0	461.7	489.0	489.0
35°	980.3	953.0	850.6	798.3	545.9	391.2	320.7	361.6	416.2	418.5	418.5
37.5°	1096.3	1055.3	968.9	837.0	509.5	345.7	295.7	320.7	359.4	370.7	375.3
40°	1230.5	1178.2	1100.8	862.0	457.2	291.1	263.8	295.7	325.2	316.1	316.1
42.5°	1419.2	1341.9	1230.5	900.7	391.2	257.0	241.1	270.7	291.1	295.7	293.4
45°	1596.6	1501.1	1382.9	914.3	318.4	232.0	225.2	257.0	277.5	270.7	270.7
47.5°	1796.8	1676.3	1496.6	882.5	261.6	218.3	225.2	247.9	257.0	268.4	268.4
50°	1994.7	1865.0	1662.6	832.4	232.0	209.2	225.2	238.8	257.0	263.8	261.6
52.5°	2174.4	2060.6	1762.7	743.7	216.1	202.4	218.3	238.8	261.6	272.9	272.9
55°	2370.0	2254.0	1853.7	664.1	202.4	188.8	225.2	247.9	254.7	261.6	261.6
57.5°	2517.8	2426.8	1953.7	593.6	193.3	188.8	229.7	259.3	257.0	263.8	263.8
60°	2697.5	2617.9	2044.7	559.5	179.7	179.7	238.8	279.8	261.6	282.0	282.0
62.5°	2888.5	2840.8	2133.4	534.5	166.0	175.1	241.1	295.7	270.7	302.5	304.8
65°	3072.8	3081.8	2215.3	475.4	154.7	175.1	245.6	316.1	279.8	320.7	325.2
67.5°	3166.0	3241.1	2238.0	382.1	143.3	172.9	259.3	332.1	293.4	338.9	341.2
70°	3147.8	3245.6	2185.7	282.0	134.2	182.0	279.8	345.7	300.2	361.6	361.6
72.5°	2988.6	3059.1	2031.1	213.8	125.1	175.1	284.3	350.3	304.8	398.0	398.0
75°	2763.4	2690.6	1671.7	177.4	118.3	175.1	277.5	345.7	300.2	388.9	386.7
77.5°	2397.2	2153.9	1153.1	156.9	111.4	168.3	259.3	336.6	286.6	361.6	366.2
80°	1537.5	1326.0	589.1	136.5	118.3	161.5	250.2	311.6	266.1	323.0	325.2
82.5°	700.5	589.1	268.4	120.5	116.0	145.6	227.4	277.5	232.0	275.2	272.9
85°	295.7	300.2	211.5	102.3	102.3	113.7	168.3	216.1	179.7	193.3	188.8
87.5°	229.7	220.6	145.6	61.4	66.0	50.0	109.2	154.7	118.3	125.1	122.8
90°	243.4	238.8	154.7	63.7	47.8	29.6	81.9	120.5	88.7	79.6	77.3
92.5°	259.3	257.0	172.9	68.2	47.8	25.0	70.5	97.8	63.7	54.6	52.3
95°	277.5	277.5	188.8	72.8	47.8	25.0	63.7	75.1	47.8	36.4	34.1
97.5°	220.6	225.2	161.5	75.1	45.5	25.0	56.9	61.4	36.4	20.5	20.5
100°	88.7	97.8	88.7	75.1	40.9	20.5	45.5	47.8	25.0	11.4	11.4
102.5°	20.5	25.0	61.4	66.0	31.8	13.6	29.6	29.6	15.9	6.8	6.8
105°	20.5	18.2	40.9	52.3	18.2	9.1	13.6	18.2	9.1	4.5	4.5
107.5°	20.5	20.5	18.2	25.0	9.1	6.8	6.8	6.8	4.5	4.5	4.5
110°	22.7	20.5	9.1	9.1	6.8	6.8	4.5	4.5	2.3	13.6	15.9



REPORT NUMBER: P560692  
 CATALOG NUMBER: SDL-PA1-60-727-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.3	25.0	11.4	9.1	6.8	6.8	4.5	4.5	6.8	22.7	22.7
115°	22.7	20.5	11.4	6.8	6.8	6.8	4.5	2.3	6.8	25.0	25.0
117.5°	20.5	18.2	11.4	6.8	4.5	6.8	4.5	2.3	6.8	25.0	25.0
120°	22.7	20.5	11.4	6.8	4.5	4.5	4.5	2.3	6.8	22.7	22.7
122.5°	22.7	22.7	13.6	4.5	4.5	2.3	4.5	2.3	6.8	20.5	20.5
125°	20.5	18.2	11.4	4.5	2.3	2.3	2.3	2.3	9.1	18.2	20.5
127.5°	18.2	15.9	9.1	4.5	2.3	2.3	2.3	2.3	6.8	13.6	15.9
130°	13.6	13.6	6.8	4.5	2.3	2.3	2.3	2.3	6.8	13.6	11.4
132.5°	9.1	9.1	6.8	4.5	2.3	2.3	2.3	2.3	6.8	9.1	9.1
135°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	4.5	6.8	6.8
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	2.3	4.5	2.3	2.3	4.5	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	6.8	6.8	4.5
155°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	4.5	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	0.0	0.0	2.3	0.0
160°	0.0	0.0	2.3	2.3	2.3	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)