

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: P560823

Luminaire Tested: **SDL-PA1-60-830-U-T2R**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560823  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-60-830-U-T2R  
Description: Springdale  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5900.8 lumens  
Efficiency: N/A  
Efficacy: 94.6 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: B1 - U0 - G2

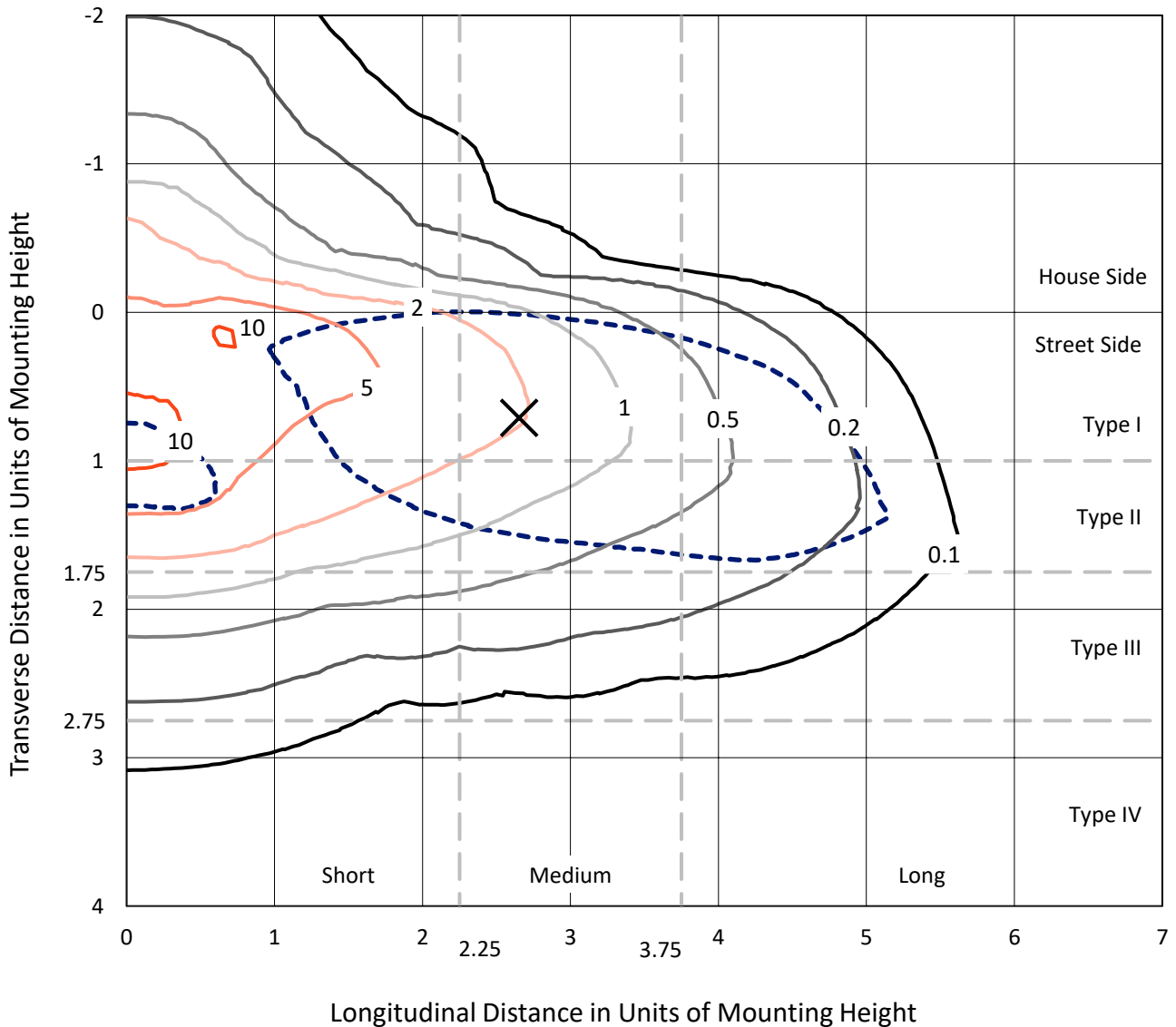
Input Watts (W): 62.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

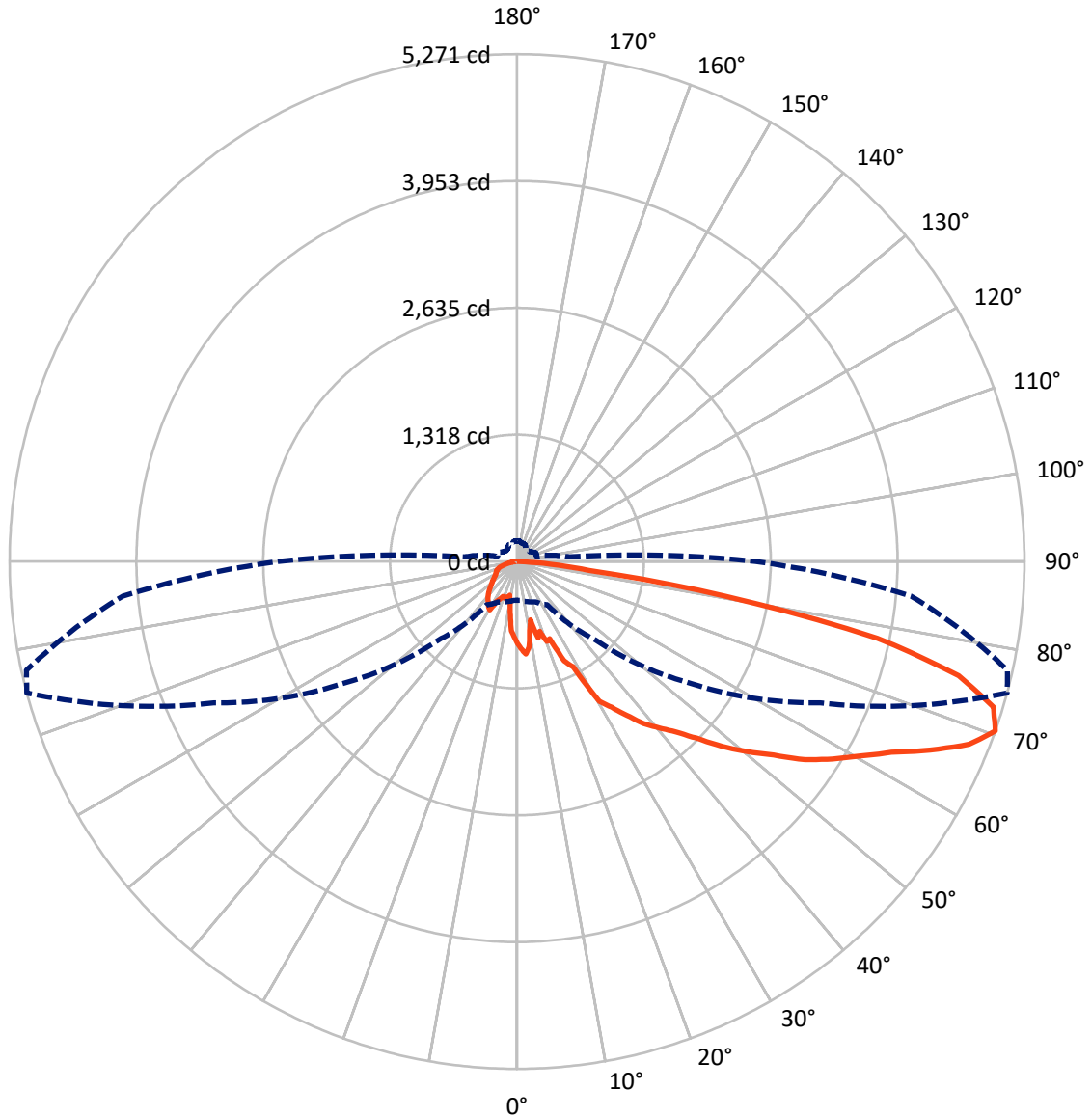
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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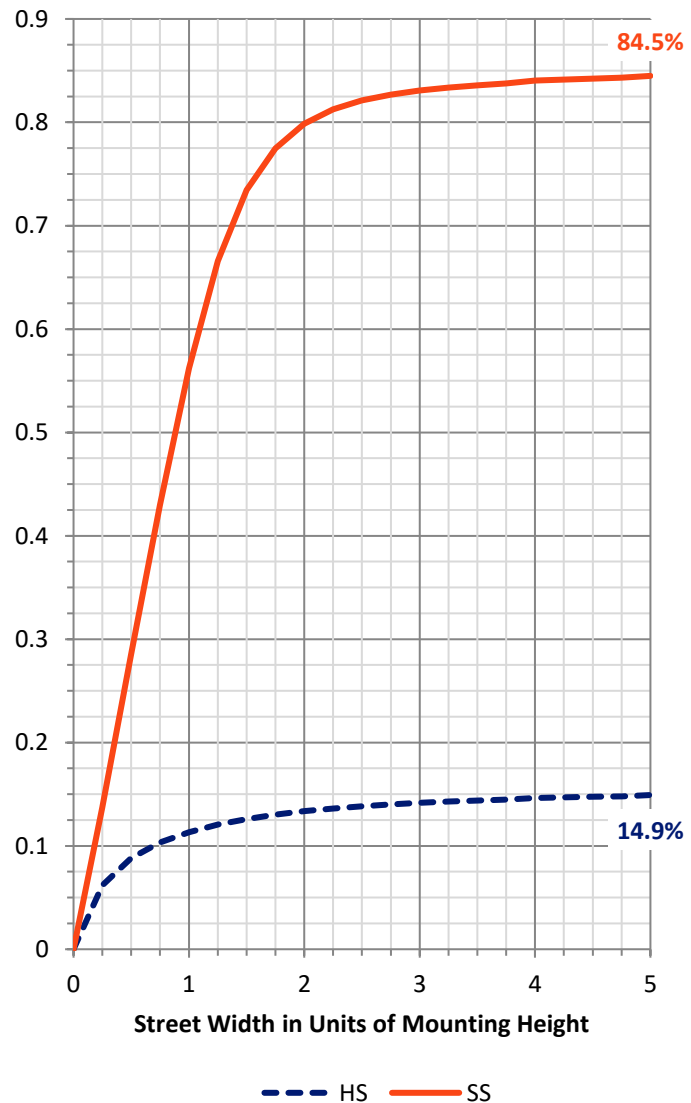
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	897.6	0.0	897.6
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	5003.2	0.0	5003.2
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	5900.8	0.0	5900.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.5	1.2
10°-20°	187.5	3.2
20°-30°	342.7	5.8
30°-40°	695.7	11.8
40°-50°	1067.8	18.1
50°-60°	1287.2	21.8
60°-70°	1244.9	21.1
70°-80°	863.5	14.6
80°-90°	141.0	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5900.8	100.0
0°-180°	5900.8	100.0



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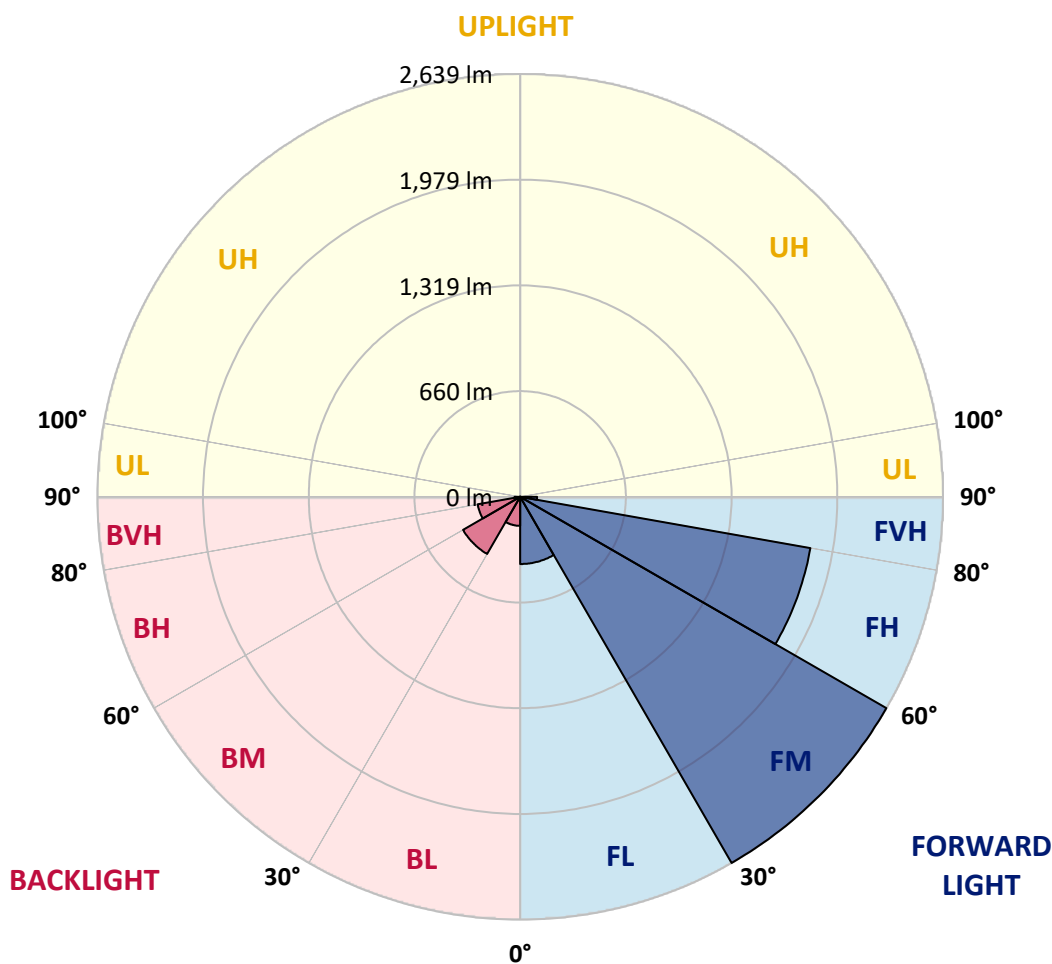
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	419.4	7.1			
FM (30°-60°)	2639.0	44.7			
FH (60°-80°)	1839.2	31.2			G2/5000
FVH (80°-90°)	105.6	1.8			G2/225
BL (0°-30°)	181.2	3.1	B1/500		
BM (30°-60°)	411.7	7.0	B1/1000		
BH (60°-80°)	269.3	4.6	B1/500		G1/500
BVH (80°-90°)	35.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8
2.5°	885.3	970.0	928.7	976.5	1000.3	985.1	972.1	939.6	911.4	900.5	872.3
5°	976.5	974.3	963.4	959.1	939.6	915.7	896.2	1004.7	965.6	946.1	896.2
7.5°	865.8	939.6	993.8	1022.0	1022.0	993.8	963.4	831.1	898.3	881.0	809.4
10°	1087.1	1087.1	1085.0	1087.1	891.8	939.6	807.2	750.8	726.9	783.3	726.9
12.5°	924.4	1004.7	1095.8	1128.4	1039.4	887.5	826.7	794.2	622.8	609.7	644.5
15°	1087.1	1093.6	1102.3	970.0	824.6	941.7	720.4	713.9	824.6	805.0	813.7
17.5°	872.3	881.0	1069.8	1045.9	959.1	713.9	898.3	802.9	761.6	735.6	733.4
20°	1100.1	1104.5	1102.3	826.7	885.3	972.1	930.9	707.4	887.5	898.3	909.2
22.5°	930.9	933.1	943.9	1052.4	896.2	1013.3	839.8	1054.6	870.1	896.2	677.0
25°	1252.0	1252.0	1213.0	948.3	1085.0	924.4	1022.0	907.0	1141.4	1111.0	1017.7
27.5°	1167.4	1158.7	1113.2	1173.9	978.6	1169.6	1011.2	1139.2	1239.0	1195.6	1234.7
30°	1640.5	1651.3	1592.7	1219.5	1191.3	1121.8	1165.2	1349.7	1686.0	1662.2	1484.2
32.5°	2196.0	2094.0	1827.1	1579.7	1301.9	1369.2	1301.9	1592.7	1805.4	1809.7	1571.0
35°	2465.0	2456.3	2341.3	1864.0	1497.2	1497.2	1460.4	1662.2	1959.4	1931.2	1664.3
37.5°	2679.8	2666.8	2586.5	2107.0	1673.0	1664.3	1545.0	1768.5	2135.2	2063.6	1766.3
40°	2862.1	2844.8	2775.3	2276.2	1864.0	1822.7	1649.1	1890.0	2271.9	2278.4	1864.0
42.5°	2983.6	2977.1	2927.2	2430.3	2022.4	1948.6	1788.0	2046.2	2417.3	2454.2	1985.5
45°	3079.1	3076.9	3033.5	2599.6	2135.2	2063.6	1935.6	2163.4	2616.9	2638.6	2115.7
47.5°	3090.0	3098.6	3098.6	2684.2	2213.3	2165.6	2087.5	2267.6	2870.8	2825.2	2267.6
50°	2977.1	2985.8	3040.0	2825.2	2280.6	2250.2	2217.7	2393.4	3103.0	3035.7	2428.1
52.5°	2688.5	2708.1	2855.6	2755.8	2315.3	2313.1	2339.2	2556.2	3339.5	3267.9	2640.8
55°	2067.9	2080.9	2447.7	2551.8	2304.4	2328.3	2430.3	2758.0	3632.4	3569.5	2864.3
57.5°	1579.7	1616.6	1846.6	2165.6	2185.1	2315.3	2488.9	2899.0	3869.0	3806.0	3070.4
60°	1271.6	1297.6	1432.1	1712.1	1929.1	2258.9	2569.2	3074.8	4099.0	4068.6	3291.8
62.5°	996.0	1013.3	1106.7	1291.1	1566.7	2126.5	2619.1	3265.7	4363.7	4348.5	3580.4
65°	713.9	731.3	813.7	935.2	1210.8	1877.0	2595.2	3448.0	4719.6	4704.4	3860.3
67.5°	520.8	525.1	579.4	661.8	859.3	1518.9	2478.0	3563.0	5066.7	5036.4	4075.1
70°	401.4	405.8	431.8	462.2	549.0	1150.1	2204.6	3476.2	5270.7	5218.6	4107.6
72.5°	325.5	325.5	336.3	351.5	375.4	750.8	1731.6	3135.5	5175.2	5073.3	3836.4
75°	273.4	273.4	279.9	275.6	262.6	468.7	1204.3	2619.1	4739.1	4611.1	3339.5
77.5°	230.0	227.8	227.8	230.0	204.0	319.0	735.6	2018.0	3829.9	3706.2	2475.9
80°	188.8	188.8	188.8	188.8	167.1	227.8	438.3	1338.8	2200.3	1920.4	1134.9
82.5°	138.9	141.0	147.6	147.6	138.9	167.1	227.8	559.8	753.0	666.2	401.4
85°	65.1	67.3	86.8	91.1	89.0	82.5	119.3	251.7	351.5	319.0	93.3
87.5°	2.2	2.2	8.7	19.5	17.4	13.0	23.9	34.7	13.0	15.2	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8
2.5°	852.8	833.2	787.7	748.6	707.4	679.2	616.3	570.7	546.8	542.5	549.0
5°	857.1	813.7	722.6	607.6	520.8	499.1	490.4	488.2	486.1	486.1	486.1
7.5°	755.1	698.7	562.0	477.4	490.4	490.4	490.4	483.9	444.8	427.5	427.5
10°	666.2	592.4	418.8	386.2	388.4	407.9	460.0	514.3	525.1	527.3	529.5
12.5°	577.2	505.6	355.9	375.4	338.5	401.4	475.2	529.5	477.4	451.3	451.3
15°	726.9	624.9	412.3	329.8	334.2	401.4	362.4	490.4	525.1	527.3	529.5
17.5°	655.3	551.2	384.1	347.2	366.7	306.0	414.5	464.4	427.5	423.1	418.8
20°	796.4	655.3	401.4	345.0	342.8	371.1	351.5	351.5	477.4	477.4	477.4
22.5°	590.2	486.1	390.6	388.4	327.7	366.7	349.4	390.6	375.4	368.9	368.9
25°	865.8	685.7	427.5	340.7	351.5	323.3	360.2	321.1	397.1	401.4	401.4
27.5°	1039.4	805.0	464.4	377.6	323.3	347.2	297.3	323.3	306.0	308.1	308.1
30°	1239.0	943.9	577.2	394.9	332.0	286.4	295.1	279.9	332.0	325.5	323.3
32.5°	1293.3	952.6	555.5	418.8	323.3	288.6	266.9	288.6	308.1	336.3	336.3
35°	1356.2	961.3	525.1	399.3	316.8	269.1	264.7	288.6	312.5	303.8	303.8
37.5°	1414.8	967.8	501.2	375.4	290.8	262.6	262.6	266.9	290.8	277.7	277.7
40°	1482.1	970.0	473.0	349.4	269.1	258.2	243.0	247.4	249.5	240.9	238.7
42.5°	1558.0	967.8	440.5	325.5	249.5	240.9	230.0	230.0	236.5	234.4	232.2
45°	1640.5	965.6	405.8	297.3	227.8	217.0	210.5	236.5	247.4	247.4	243.0
47.5°	1740.3	965.6	373.2	264.7	212.7	195.3	191.0	219.2	240.9	245.2	249.5
50°	1855.3	961.3	342.8	240.9	197.5	182.3	188.8	217.0	234.4	240.9	238.7
52.5°	2005.0	952.6	316.8	221.3	186.6	167.1	177.9	210.5	232.2	234.4	232.2
55°	2135.2	922.2	290.8	212.7	177.9	158.4	171.4	208.3	227.8	227.8	227.8
57.5°	2245.9	878.8	269.1	206.1	175.8	156.2	169.3	206.1	219.2	225.7	225.7
60°	2380.4	824.6	253.9	204.0	173.6	154.1	167.1	204.0	214.8	223.5	223.5
62.5°	2519.3	779.0	245.2	204.0	167.1	156.2	167.1	204.0	212.7	223.5	221.3
65°	2632.1	720.4	236.5	208.3	164.9	156.2	167.1	204.0	210.5	221.3	221.3
67.5°	2625.6	640.1	225.7	219.2	167.1	158.4	167.1	201.8	206.1	221.3	217.0
70°	2478.0	546.8	208.3	217.0	173.6	158.4	164.9	195.3	197.5	217.0	210.5
72.5°	2211.1	442.7	184.4	204.0	173.6	160.6	160.6	186.6	186.6	208.3	195.3
75°	1850.9	340.7	151.9	180.1	164.9	164.9	151.9	175.8	171.4	184.4	171.4
77.5°	1380.1	258.2	117.2	149.7	149.7	162.7	145.4	162.7	156.2	158.4	151.9
80°	575.0	156.2	89.0	117.2	128.0	158.4	138.9	147.6	132.4	132.4	128.0
82.5°	238.7	99.8	60.8	73.8	86.8	141.0	132.4	125.9	108.5	99.8	93.3
85°	86.8	54.2	41.2	49.9	56.4	97.6	95.5	80.3	62.9	69.4	56.4
87.5°	6.5	8.7	8.7	10.8	10.8	13.0	21.7	21.7	13.0	10.8	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560823  
 CATALOG NUMBER: SDL-PA1-60-830-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)