

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: P560648

Luminaire Tested: **SDL-PA1-50-830-U-T2U-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560648  
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-PA1-50-830-U-T2U-A  
Description: Springdale  
(1) 80 CRI, 3000K, 670mA 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: 4859.1 lumens  
Efficiency: N/A  
Efficacy: 92.7 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

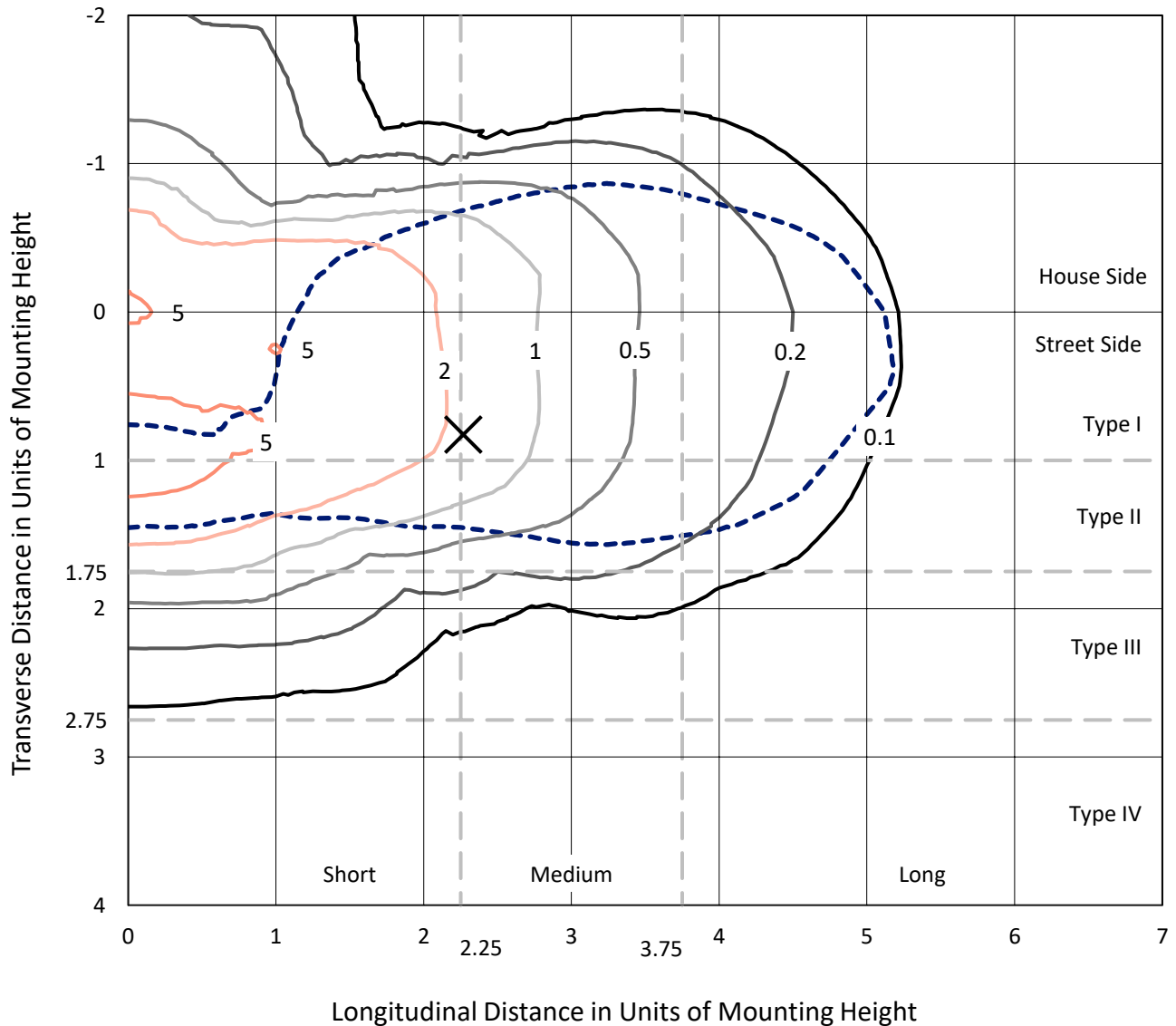
Input Watts (W): 52.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

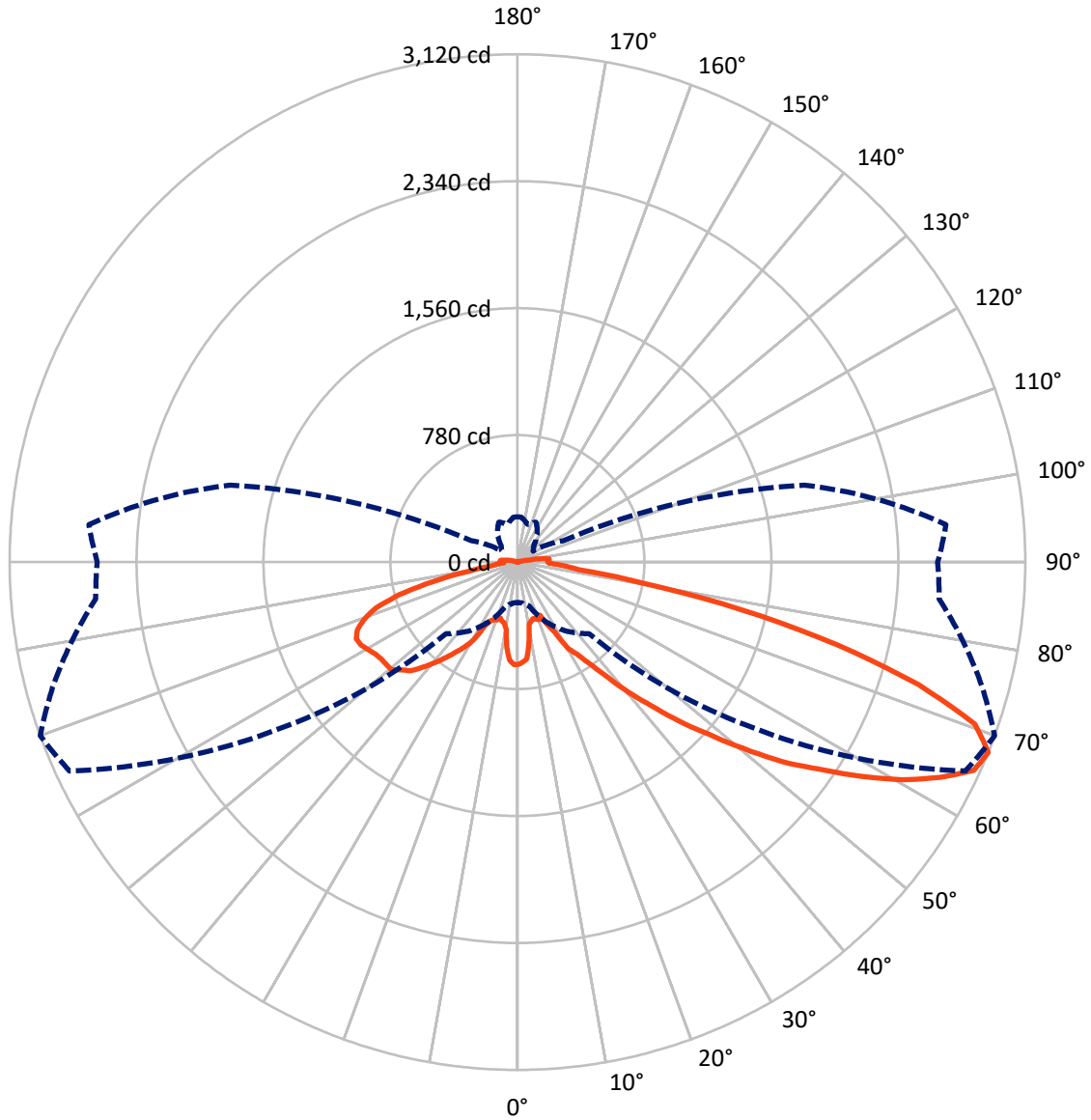
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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

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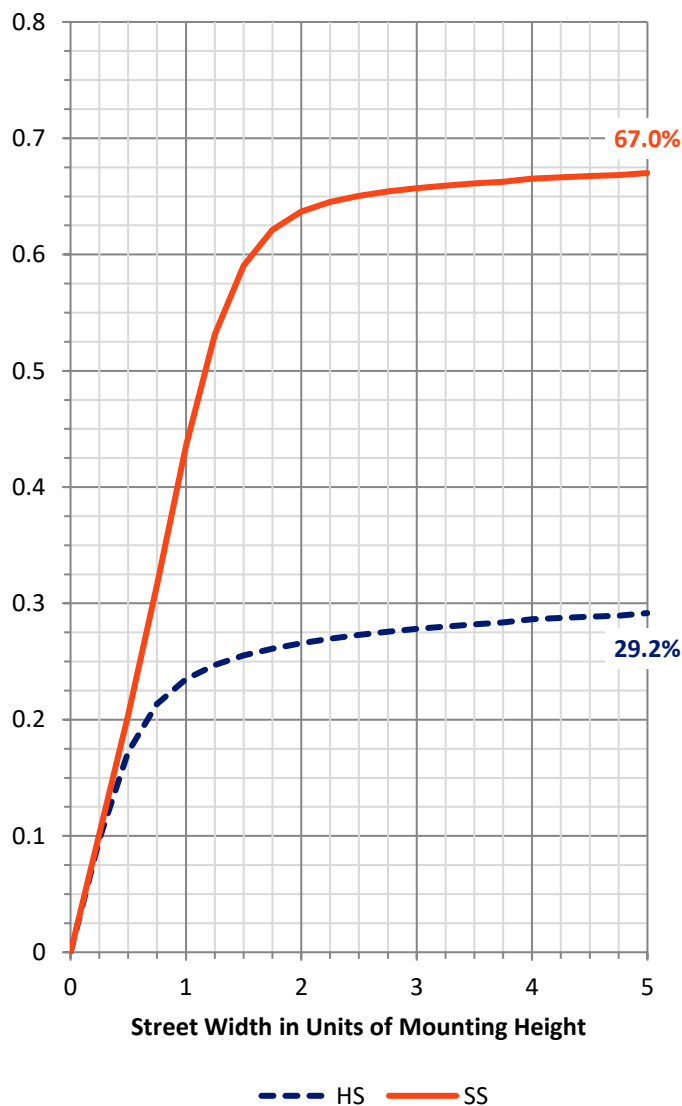
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1461.5	57.4	1518.8
	% Fixture	30.1	1.2	31.3
<b>Street Side</b>	Lumens	3284.8	55.4	3340.2
	% Fixture	67.6	1.1	68.7
<b>Total</b>	Lumens	4746.3	112.8	4859.1
	% Fixture	97.7	2.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.4	1.0
10°-20°	116.6	2.4
20°-30°	206.8	4.3
30°-40°	435.7	9.0
40°-50°	814.7	16.8
50°-60°	1128.3	23.2
60°-70°	1087.9	22.4
70°-80°	715.2	14.7
80°-90°	190.6	3.9
90°-100°	78.2	1.6
100°-110°	17.1	0.4
110°-120°	7.4	0.2
120°-130°	5.3	0.1
130°-140°	2.4	0.0
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4746.3	97.7
0°-180°	4859.1	100.0

**Coefficient of Utilization**



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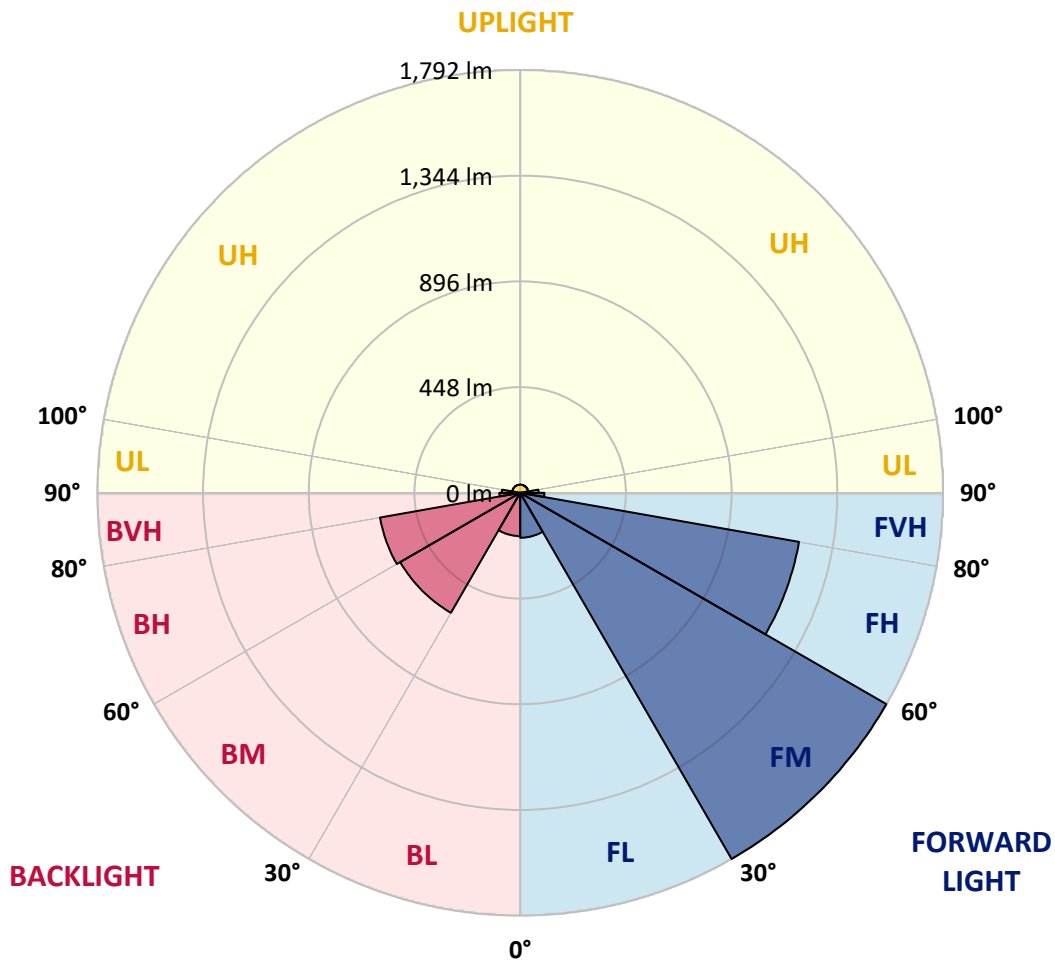
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.4	3.9			
FM (30°-60°)	1791.9	36.9			
FH (60°-80°)	1199.9	24.7			G1/1800
FVH (80°-90°)	102.6	2.1			G2/225
BL (0°-30°)	183.3	3.8	B1/500		
BM (30°-60°)	586.8	12.1	B1/1000		
BH (60°-80°)	603.3	12.4	B2/1000		G2/1000
BVH (80°-90°)	88.1	1.8			G1/100
UL (90°-100°)	78.2	1.6		U3/500	
UH (100°-180°)	34.6	0.7		U2/50	

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

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8
2.5°	525.0	567.6	554.6	595.4	604.7	614.0	615.9	617.7	615.9	617.7	621.4
5°	495.3	497.1	499.0	502.7	502.7	506.4	513.8	591.7	599.2	604.7	612.1
7.5°	413.7	432.2	467.5	480.4	486.0	493.4	497.1	497.1	504.6	523.1	536.1
10°	460.0	456.3	458.2	460.0	434.1	428.5	389.5	384.0	389.5	402.5	463.7
12.5°	385.8	404.4	443.3	452.6	421.1	372.8	367.3	374.7	372.8	335.7	393.3
15°	447.0	445.2	441.5	434.1	352.4	369.1	317.2	320.9	359.9	385.8	439.6
17.5°	389.5	387.7	439.6	424.8	371.0	287.5	361.7	335.7	367.3	339.5	363.6
20°	484.1	482.3	476.7	354.3	378.4	382.1	350.6	324.6	378.4	391.4	441.5
22.5°	439.6	439.6	474.9	465.6	384.0	404.4	333.9	395.1	354.3	359.9	333.9
25°	604.7	599.2	591.7	432.2	461.9	371.0	413.7	363.6	422.9	458.2	480.4
27.5°	586.2	575.0	567.6	573.2	463.7	486.0	409.9	452.6	487.9	502.7	560.2
30°	823.6	808.8	786.5	601.0	576.9	497.1	495.3	560.2	617.7	664.1	695.6
32.5°	1049.9	1053.6	938.6	806.9	638.1	664.1	589.9	656.7	675.2	723.4	742.0
35°	1346.7	1309.6	1237.3	1007.2	777.2	751.3	686.3	749.4	768.0	814.3	825.5
37.5°	1580.4	1582.3	1471.0	1211.3	931.2	908.9	795.8	860.7	894.1	946.0	927.5
40°	1804.9	1814.2	1725.1	1420.9	1126.0	1064.8	927.5	1003.5	1049.9	1081.4	1049.9
42.5°	2005.2	2003.4	1942.2	1652.8	1307.8	1272.5	1066.6	1164.9	1205.7	1235.4	1211.3
45°	2162.9	2157.3	2101.7	1842.0	1522.9	1571.2	1248.4	1350.4	1393.1	1426.5	1367.1
47.5°	2216.7	2187.0	2162.9	1979.3	1723.3	1834.6	1472.8	1530.4	1580.4	1637.9	1541.5
50°	2159.2	2120.2	2129.5	2044.2	1892.1	2055.3	1714.0	1738.1	1799.3	1849.4	1706.6
52.5°	1919.9	1910.6	1962.6	1979.3	1964.4	2224.1	1984.8	1916.2	2036.8	2042.3	1877.2
55°	1604.6	1593.4	1715.8	1784.5	1895.8	2290.9	2214.8	2166.6	2244.5	2235.2	2029.3
57.5°	1292.9	1285.5	1396.8	1509.9	1702.9	2253.8	2376.2	2441.1	2480.1	2428.2	2170.3
60°	866.3	881.1	1072.2	1224.3	1393.1	2031.2	2437.4	2697.1	2715.7	2604.4	2318.7
62.5°	552.8	573.2	695.6	944.2	1040.6	1649.1	2392.9	2925.3	2914.2	2763.9	2456.0
65°	354.3	361.7	421.1	640.0	745.7	1092.6	2194.4	3081.1	3083.0	2906.7	2565.4
67.5°	248.6	250.4	278.2	398.8	515.7	621.4	1784.5	3036.6	3120.1	2955.0	2600.7
70°	222.6	224.5	231.9	270.8	391.4	385.8	1081.4	2713.8	2982.8	2891.9	2546.9
72.5°	198.5	200.3	213.3	235.6	300.5	302.4	517.5	2161.0	2578.4	2667.4	2387.3
75°	165.1	168.8	183.6	220.7	231.9	254.1	346.9	1519.2	2029.3	2298.3	2198.1
77.5°	139.1	141.0	152.1	187.4	202.2	205.9	296.8	842.2	1402.4	1691.7	1936.6
80°	111.3	111.3	120.6	148.4	166.9	168.8	265.3	445.2	777.2	1023.9	1346.7
82.5°	72.3	74.2	85.3	111.3	124.3	166.9	235.6	324.6	380.3	493.4	612.1
85°	46.4	46.4	53.8	63.1	74.2	128.0	207.8	269.0	283.8	309.8	278.2
87.5°	22.3	22.3	20.4	24.1	27.8	48.2	144.7	191.1	192.9	189.2	204.0
90°	18.5	18.5	14.8	16.7	18.5	26.0	109.4	187.4	185.5	192.9	211.5
92.5°	20.4	20.4	14.8	16.7	18.5	22.3	79.8	189.2	194.8	204.0	224.5
95°	22.3	22.3	14.8	14.8	16.7	20.4	50.1	163.2	196.6	205.9	231.9
97.5°	20.4	20.4	11.1	13.0	14.8	18.5	31.5	122.4	154.0	161.4	183.6
100°	18.5	18.5	9.3	11.1	13.0	14.8	20.4	63.1	66.8	50.1	70.5
102.5°	16.7	18.5	7.4	9.3	9.3	9.3	13.0	29.7	29.7	16.7	18.5
105°	16.7	18.5	7.4	7.4	5.6	7.4	7.4	11.1	13.0	9.3	14.8
107.5°	18.5	18.5	7.4	7.4	5.6	5.6	5.6	7.4	9.3	7.4	14.8
110°	16.7	16.7	5.6	7.4	3.7	3.7	3.7	5.6	7.4	7.4	16.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.1	11.1	5.6	7.4	3.7	3.7	3.7	5.6	7.4	9.3	20.4
115°	9.3	7.4	3.7	5.6	3.7	3.7	3.7	5.6	5.6	7.4	16.7
117.5°	9.3	7.4	3.7	3.7	1.9	3.7	3.7	5.6	5.6	7.4	14.8
120°	9.3	9.3	3.7	1.9	1.9	1.9	1.9	3.7	5.6	9.3	16.7
122.5°	11.1	9.3	3.7	3.7	1.9	1.9	1.9	3.7	5.6	9.3	16.7
125°	11.1	11.1	5.6	3.7	1.9	1.9	1.9	3.7	5.6	7.4	14.8
127.5°	11.1	9.3	5.6	3.7	1.9	1.9	1.9	1.9	3.7	5.6	13.0
130°	9.3	9.3	5.6	1.9	1.9	1.9	1.9	1.9	3.7	3.7	9.3
132.5°	7.4	7.4	5.6	1.9	1.9	1.9	1.9	1.9	1.9	3.7	7.4
135°	5.6	5.6	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.6
137.5°	3.7	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
140°	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9
150°	3.7	3.7	7.4	5.6	3.7	1.9	3.7	1.9	1.9	1.9	1.9
152.5°	5.6	5.6	7.4	5.6	1.9	1.9	1.9	3.7	1.9	1.9	1.9
155°	3.7	3.7	3.7	1.9	1.9	1.9	1.9	1.9	3.7	3.7	5.6
157.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	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°	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8
2.5°	623.3	623.3	628.8	630.7	628.8	627.0	615.9	582.5	562.1	563.9	563.9
5°	614.0	615.9	621.4	588.0	547.2	550.9	556.5	558.3	558.3	562.1	562.1
7.5°	541.7	543.5	528.7	534.2	547.2	556.5	560.2	550.9	521.2	510.1	510.1
10°	469.3	469.3	417.4	419.2	434.1	461.9	549.1	558.3	567.6	569.5	567.6
12.5°	397.0	398.8	356.2	409.9	391.4	441.5	506.4	560.2	517.5	474.9	480.4
15°	443.3	447.0	400.7	352.4	361.7	435.9	378.4	519.4	523.1	523.1	523.1
17.5°	356.2	376.6	354.3	363.6	400.7	328.3	428.5	474.9	435.9	424.8	424.8
20°	443.3	443.3	404.4	350.6	371.0	426.6	380.3	422.9	497.1	497.1	495.3
22.5°	330.2	330.2	354.3	406.2	372.8	421.1	402.5	437.8	395.1	395.1	406.2
25°	476.7	471.2	430.4	359.9	424.8	389.5	404.4	382.1	447.0	452.6	448.9
27.5°	575.0	571.3	461.9	413.7	398.8	415.5	363.6	356.2	343.2	395.1	389.5
30°	680.8	671.5	604.7	499.0	437.8	350.6	328.3	341.3	378.4	380.3	378.4
32.5°	730.9	710.5	636.3	597.3	447.0	361.7	294.9	304.2	376.6	398.8	398.8
35°	799.5	777.2	693.8	651.1	445.2	319.1	261.6	294.9	339.5	341.3	341.3
37.5°	894.1	860.7	790.2	682.6	415.5	282.0	241.1	261.6	293.1	302.4	306.1
40°	1003.5	960.9	897.8	703.0	372.8	237.4	215.2	241.1	265.3	257.8	257.8
42.5°	1157.5	1094.4	1003.5	734.6	319.1	209.6	196.6	220.7	237.4	241.1	239.3
45°	1302.2	1224.3	1127.8	745.7	259.7	189.2	183.6	209.6	226.3	220.7	220.7
47.5°	1465.4	1367.1	1220.6	719.7	213.3	178.1	183.6	202.2	209.6	218.9	218.9
50°	1626.8	1521.1	1356.0	678.9	189.2	170.7	183.6	194.8	209.6	215.2	213.3
52.5°	1773.4	1680.6	1437.6	606.6	176.2	165.1	178.1	194.8	213.3	222.6	222.6
55°	1932.9	1838.3	1511.8	541.7	165.1	154.0	183.6	202.2	207.8	213.3	213.3
57.5°	2053.5	1979.3	1593.4	484.1	157.7	154.0	187.4	211.5	209.6	215.2	215.2
60°	2200.0	2135.1	1667.6	456.3	146.5	146.5	194.8	228.2	213.3	230.0	230.0
62.5°	2355.8	2316.9	1740.0	435.9	135.4	142.8	196.6	241.1	220.7	246.7	248.6
65°	2506.1	2513.5	1806.7	387.7	126.1	142.8	200.3	257.8	228.2	261.6	265.3
67.5°	2582.1	2643.3	1825.3	311.6	116.9	141.0	211.5	270.8	239.3	276.4	278.2
70°	2567.3	2647.0	1782.6	230.0	109.4	148.4	228.2	282.0	244.9	294.9	294.9
72.5°	2437.4	2494.9	1656.5	174.4	102.0	142.8	231.9	285.7	248.6	324.6	324.6
75°	2253.8	2194.4	1363.4	144.7	96.5	142.8	226.3	282.0	244.9	317.2	315.3
77.5°	1955.1	1756.7	940.5	128.0	90.9	137.3	211.5	274.5	233.7	294.9	298.7
80°	1254.0	1081.4	480.4	111.3	96.5	131.7	204.0	254.1	217.0	263.4	265.3
82.5°	571.3	480.4	218.9	98.3	94.6	118.7	185.5	226.3	189.2	224.5	222.6
85°	241.1	244.9	172.5	83.5	83.5	92.7	137.3	176.2	146.5	157.7	154.0
87.5°	187.4	179.9	118.7	50.1	53.8	40.8	89.0	126.1	96.5	102.0	100.2
90°	198.5	194.8	126.1	51.9	39.0	24.1	66.8	98.3	72.3	64.9	63.1
92.5°	211.5	209.6	141.0	55.6	39.0	20.4	57.5	79.8	51.9	44.5	42.7
95°	226.3	226.3	154.0	59.4	39.0	20.4	51.9	61.2	39.0	29.7	27.8
97.5°	179.9	183.6	131.7	61.2	37.1	20.4	46.4	50.1	29.7	16.7	16.7
100°	72.3	79.8	72.3	61.2	33.4	16.7	37.1	39.0	20.4	9.3	9.3
102.5°	16.7	20.4	50.1	53.8	26.0	11.1	24.1	24.1	13.0	5.6	5.6
105°	16.7	14.8	33.4	42.7	14.8	7.4	11.1	14.8	7.4	3.7	3.7
107.5°	16.7	16.7	14.8	20.4	7.4	5.6	5.6	5.6	3.7	3.7	3.7
110°	18.5	16.7	7.4	7.4	5.6	5.6	3.7	3.7	1.9	11.1	13.0



REPORT NUMBER: P560648

CATALOG NUMBER: SDL-PA1-50-830-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.3	20.4	9.3	7.4	5.6	5.6	3.7	3.7	5.6	18.5	18.5
115°	18.5	16.7	9.3	5.6	5.6	5.6	3.7	1.9	5.6	20.4	20.4
117.5°	16.7	14.8	9.3	5.6	3.7	5.6	3.7	1.9	5.6	20.4	20.4
120°	18.5	16.7	9.3	5.6	3.7	3.7	3.7	1.9	5.6	18.5	18.5
122.5°	18.5	18.5	11.1	3.7	3.7	1.9	3.7	1.9	5.6	16.7	16.7
125°	16.7	14.8	9.3	3.7	1.9	1.9	1.9	1.9	7.4	14.8	16.7
127.5°	14.8	13.0	7.4	3.7	1.9	1.9	1.9	1.9	5.6	11.1	13.0
130°	11.1	11.1	5.6	3.7	1.9	1.9	1.9	1.9	5.6	11.1	9.3
132.5°	7.4	7.4	5.6	3.7	1.9	1.9	1.9	1.9	5.6	7.4	7.4
135°	5.6	5.6	3.7	1.9	1.9	1.9	1.9	1.9	3.7	5.6	5.6
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	1.9	1.9	1.9	1.9	3.7	1.9	1.9	3.7	1.9	1.9	1.9
152.5°	1.9	1.9	1.9	3.7	1.9	1.9	1.9	1.9	5.6	5.6	3.7
155°	5.6	5.6	3.7	1.9	1.9	1.9	1.9	1.9	3.7	1.9	1.9
157.5°	1.9	1.9	1.9	1.9	1.9	0.0	1.9	0.0	0.0	1.9	0.0
160°	0.0	0.0	1.9	1.9	1.9	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)