

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: P560231

Luminaire Tested: **SDL-PA1-30-750-U-T2U-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560231  
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-PA1-30-750-U-T2U-HSS-A  
Description: Springdale  
(1) 70 CRI, 5000K, 375mA 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: 2584.3 lumens  
Efficiency: N/A  
Efficacy: 85.9 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

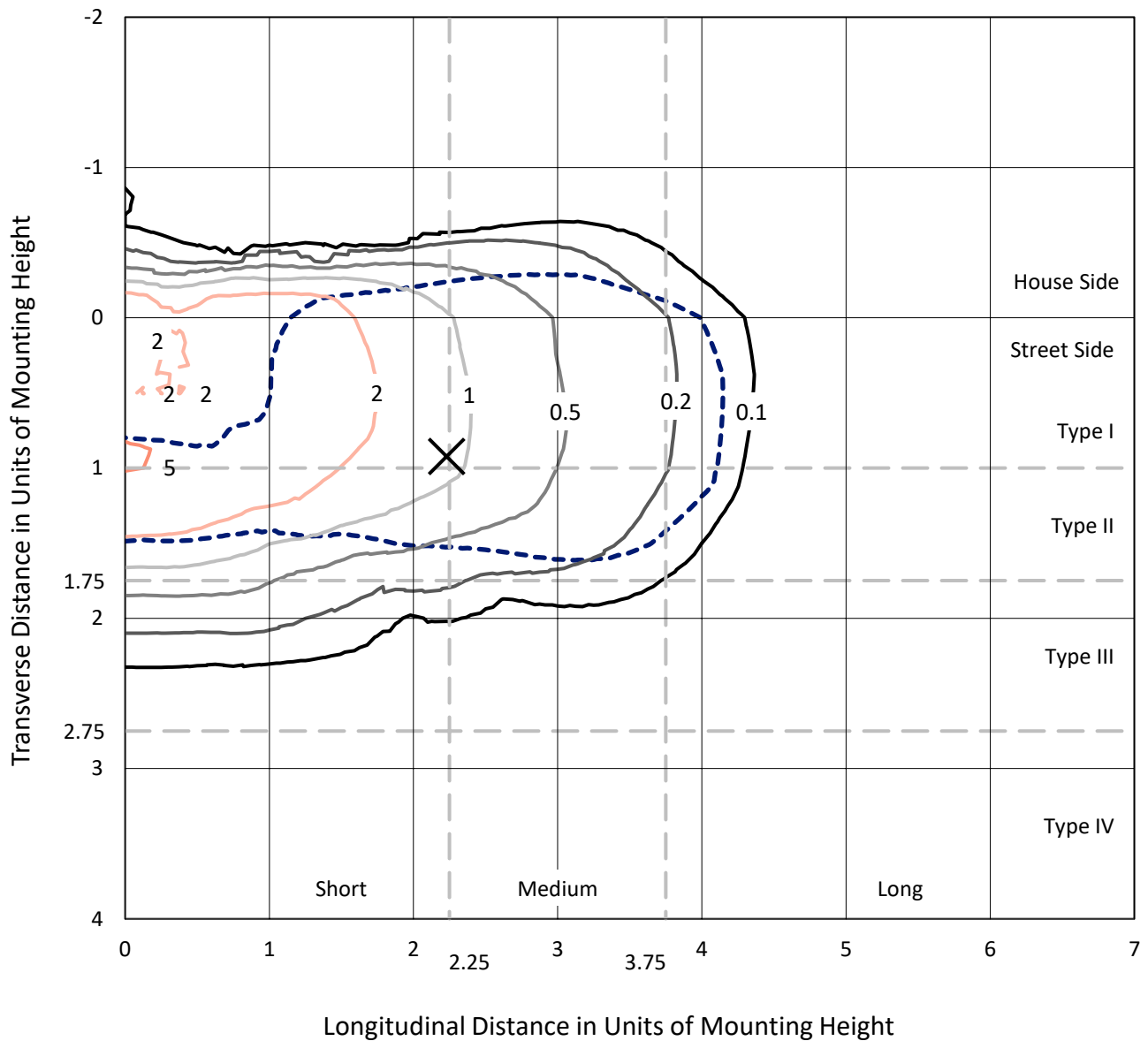
Input Watts (W): 30.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

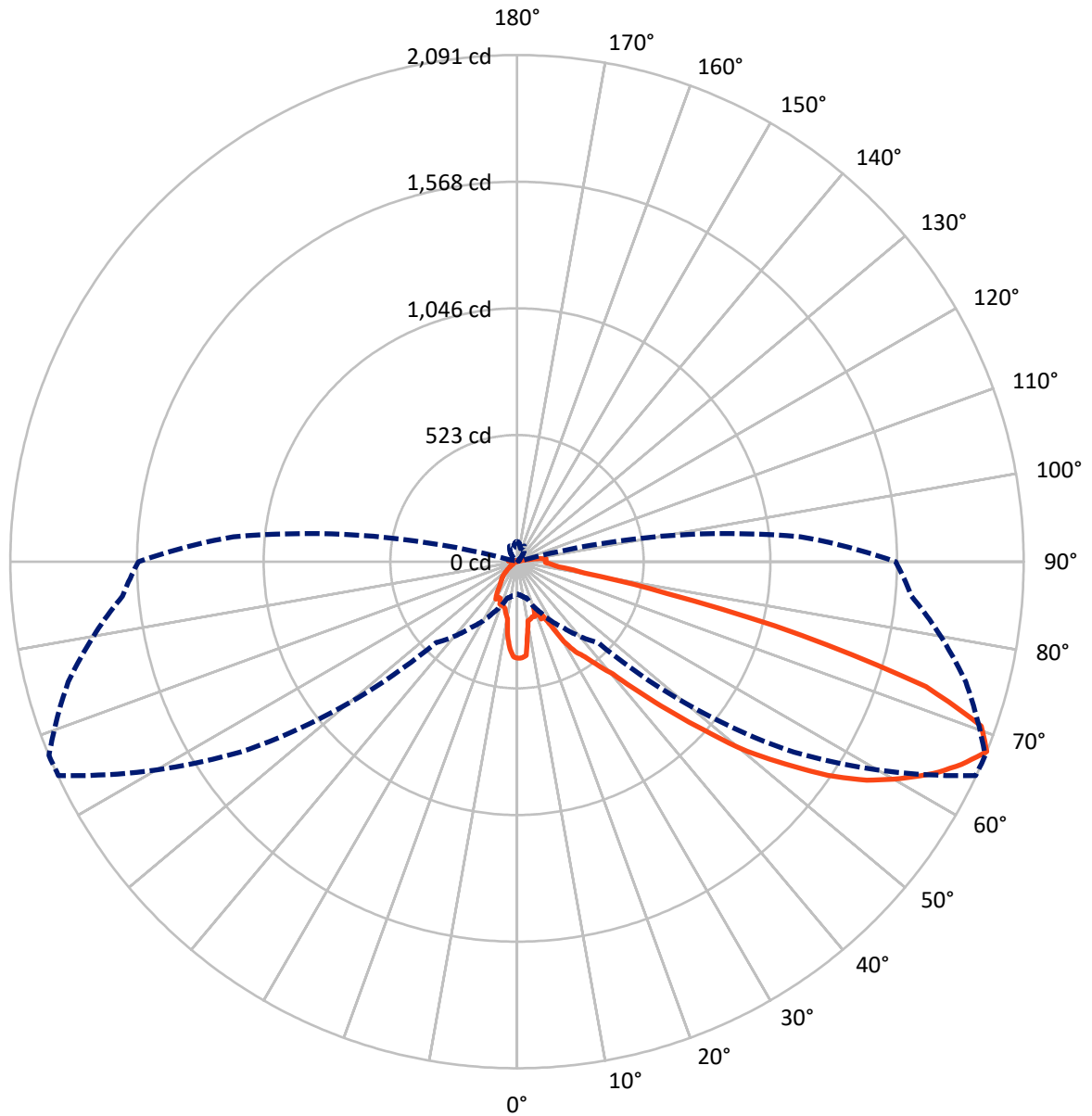
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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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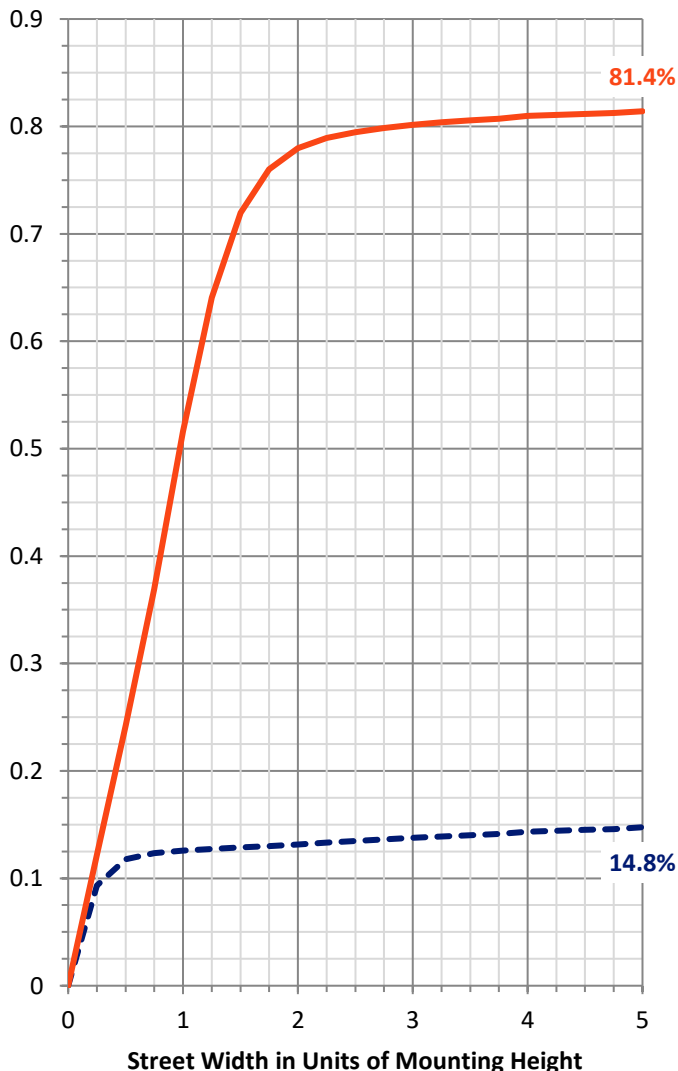
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	404.4	30.2	434.6
	% Fixture	15.6	1.2	16.8
<b>Street Side</b>	Lumens	2117.6	32.1	2149.7
	% Fixture	81.9	1.2	83.2
<b>Total</b>	Lumens	2522.0	62.3	2584.3
	% Fixture	97.6	2.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.6	1.2
10°-20°	58.4	2.3
20°-30°	88.1	3.4
30°-40°	203.0	7.9
40°-50°	452.4	17.5
50°-60°	673.2	26.1
60°-70°	600.4	23.2
70°-80°	337.0	13.0
80°-90°	78.7	3.0
90°-100°	43.2	1.7
100°-110°	10.0	0.4
110°-120°	3.9	0.2
120°-130°	2.6	0.1
130°-140°	1.4	0.1
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2522.0	97.6
0°-180°	2584.3	100.0

**Coefficient of Utilization**



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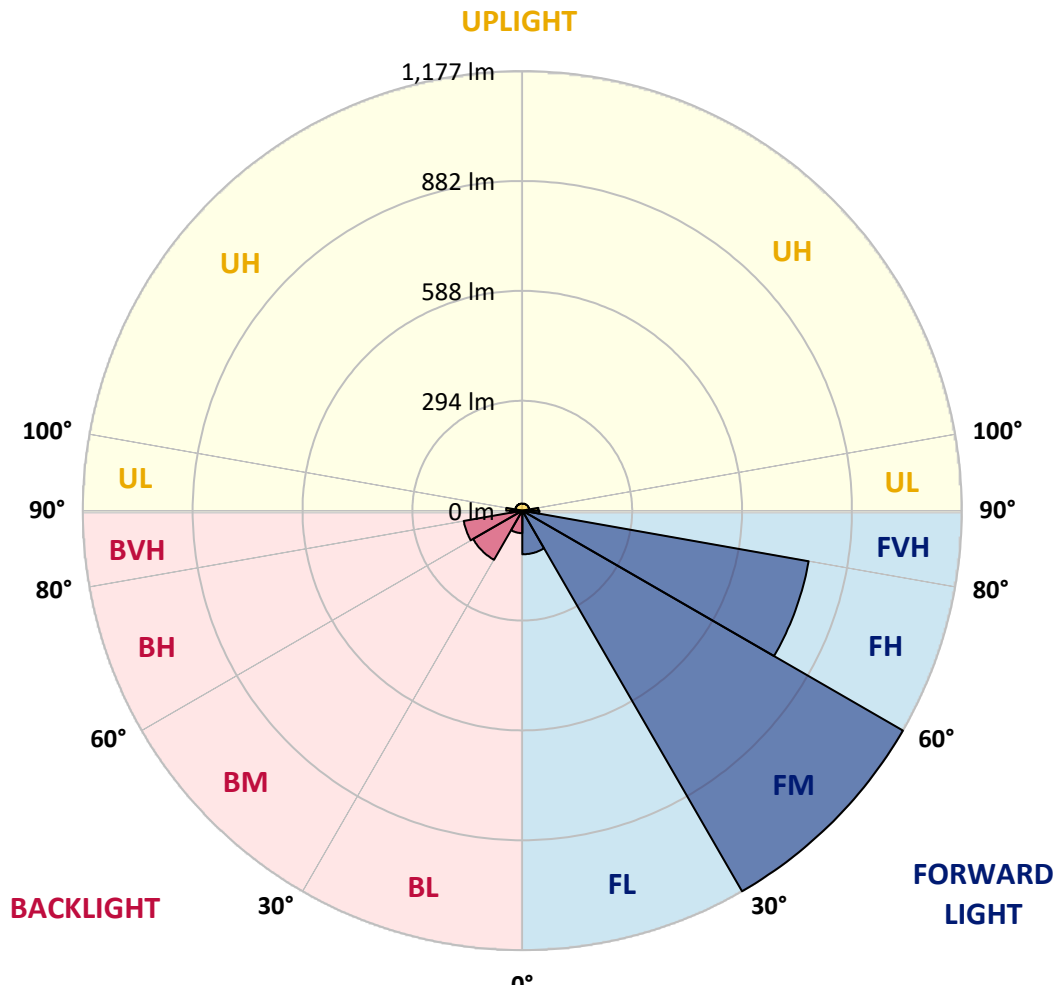
CATALOG NUMBER: SDL-PA1-30-750-U-T2U-HSS-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.9	4.5			
FM (30°-60°)	1176.7	45.5			
FH (60°-80°)	778.4	30.1			G1/1800
FVH (80°-90°)	45.7	1.8			G1/100
BL (0°-30°)	60.3	2.3	B0/110		
BM (30°-60°)	152.0	5.9	B0/220		
BH (60°-80°)	159.1	6.2	B1/500		G1/500
BVH (80°-90°)	33.0	1.3			G1/100
UL (90°-100°)	43.2	1.7		U2/50	
UH (100°-180°)	19.0	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°	398.6	398.6	398.6	398.6	398.6	398.6	398.6	398.6	398.6	398.6	398.6
2.5°	337.9	357.3	377.9	391.7	394.5	398.6	398.6	397.3	397.3	395.9	395.9
5°	328.3	326.9	328.3	331.0	329.7	329.7	329.7	384.8	389.0	391.7	391.7
7.5°	282.8	289.7	311.7	320.0	322.8	325.5	325.5	321.4	306.2	339.3	343.5
10°	307.6	306.2	306.2	309.0	288.3	280.0	252.4	248.3	248.3	259.3	295.2
12.5°	257.9	273.1	293.8	302.1	278.6	246.9	240.0	245.5	244.1	213.8	249.7
15°	292.4	292.4	289.7	284.1	219.3	245.5	206.9	206.9	235.9	253.8	285.5
17.5°	237.2	244.1	278.6	274.5	241.4	184.8	241.4	222.1	238.6	223.5	240.0
20°	291.0	289.7	291.0	222.1	245.5	253.8	241.4	216.6	197.2	259.3	286.9
22.5°	240.0	237.2	251.0	274.5	231.7	263.5	220.7	263.5	256.6	230.4	206.9
25°	310.4	309.0	311.7	242.8	271.7	235.9	271.7	235.9	246.9	295.2	302.1
27.5°	280.0	278.6	274.5	296.6	257.9	297.9	256.6	288.3	296.6	320.0	371.0
30°	394.5	389.0	375.2	297.9	303.5	286.9	303.5	354.5	382.1	429.0	444.1
32.5°	575.2	546.2	455.2	394.5	321.4	366.9	343.5	416.6	442.8	466.2	478.6
35°	743.5	731.1	664.8	521.4	391.7	405.5	387.6	466.2	481.4	531.0	528.3
37.5°	973.8	953.1	851.1	673.1	492.4	486.9	441.4	531.0	542.1	613.8	600.0
40°	1146.2	1129.7	1049.7	835.9	626.2	577.9	515.9	620.7	608.3	704.8	685.5
42.5°	1311.8	1302.1	1240.0	1022.1	773.8	718.6	593.1	731.1	728.3	812.4	795.9
45°	1445.6	1434.5	1394.5	1189.0	943.5	944.9	714.5	852.4	871.7	951.7	909.0
47.5°	1524.2	1500.7	1471.8	1321.4	1114.5	1161.4	893.8	990.4	1037.3	1106.2	1041.4
50°	1506.2	1482.8	1485.6	1405.6	1271.8	1347.6	1085.5	1136.6	1230.4	1284.2	1155.9
52.5°	1362.8	1349.0	1394.5	1390.4	1351.8	1518.7	1309.0	1295.2	1387.6	1423.5	1273.1
55°	1158.7	1139.3	1224.9	1285.6	1351.8	1624.9	1515.9	1471.8	1555.9	1550.4	1353.1
57.5°	880.0	886.9	983.5	1078.6	1241.4	1645.6	1669.0	1663.5	1702.1	1655.2	1416.6
60°	601.4	605.5	742.1	849.7	1018.0	1536.6	1718.7	1822.1	1818.0	1743.5	1488.3
62.5°	377.9	376.6	480.0	649.7	732.4	1251.1	1699.4	1942.1	1926.9	1809.7	1543.5
65°	217.9	223.5	260.7	430.4	509.0	853.8	1587.6	2059.4	2016.6	1869.0	1602.8
67.5°	133.8	137.9	155.9	233.1	332.4	471.7	1350.4	2088.3	2091.1	1917.3	1634.5
70°	113.1	114.5	122.8	143.5	231.7	264.8	909.0	1953.2	2033.2	1928.3	1624.9
72.5°	95.2	96.6	109.0	125.5	172.4	187.6	408.3	1613.8	1765.6	1844.2	1554.5
75°	70.3	71.7	89.7	114.5	125.5	150.3	223.5	1069.0	1212.4	1458.0	1325.6
77.5°	45.5	46.9	63.4	92.4	106.2	118.6	180.7	499.3	631.7	842.8	837.3
80°	30.3	30.3	37.2	64.8	84.1	96.6	157.2	246.9	281.4	347.6	325.5
82.5°	19.3	19.3	23.4	40.0	53.8	96.6	147.6	176.6	171.0	173.8	154.5
85°	8.3	8.3	12.4	22.1	29.0	63.4	132.4	151.7	144.8	144.8	137.9
87.5°	2.8	2.8	4.1	6.9	9.7	19.3	102.1	121.4	117.2	121.4	131.0
90°	2.8	2.8	1.4	2.8	2.8	13.8	82.8	120.0	117.2	122.8	135.2
92.5°	4.1	4.1	1.4	1.4	2.8	11.0	64.8	124.1	120.0	128.3	140.7
95°	6.9	6.9	2.8	1.4	4.1	9.7	40.0	110.3	120.0	126.9	143.5
97.5°	8.3	8.3	2.8	2.8	4.1	8.3	20.7	89.7	92.4	96.6	113.1
100°	11.0	11.0	2.8	2.8	2.8	6.9	11.0	46.9	48.3	34.5	55.2
102.5°	11.0	11.0	2.8	2.8	2.8	4.1	5.5	20.7	19.3	6.9	6.9
105°	12.4	12.4	4.1	2.8	2.8	2.8	2.8	6.9	6.9	4.1	8.3
107.5°	12.4	12.4	4.1	4.1	2.8	2.8	1.4	2.8	4.1	4.1	8.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	6.9	6.9	2.8	4.1	2.8	1.4	1.4	1.4	2.8	5.5	13.8
115°	2.8	2.8	1.4	2.8	1.4	1.4	1.4	2.8	2.8	4.1	11.0
117.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	1.4	4.1	9.7
120°	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	5.5	9.7
122.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	5.5	9.7
125°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	4.1	8.3
127.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.8	8.3
130°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.8	5.5
132.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.8	4.1
135°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	2.8
137.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4
140°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	2.8	2.8	1.4	0.0	2.8	1.4	1.4	1.4	1.4
152.5°	2.8	2.8	2.8	2.8	1.4	0.0	1.4	2.8	1.4	1.4	1.4
155°	2.8	2.8	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.8	4.1
157.5°	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4	0.0	0.0	1.4
160°	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4	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°	398.6	398.6	398.6	398.6	398.6	398.6	398.6	398.6	398.6	398.6	398.6
2.5°	394.5	394.5	393.1	393.1	389.0	387.6	369.7	350.4	335.2	336.6	336.6
5°	390.4	387.6	383.5	355.9	321.4	315.9	315.9	313.1	311.7	313.1	313.1
7.5°	340.7	337.9	321.4	307.6	309.0	306.2	300.7	299.3	275.9	252.4	251.0
10°	293.8	289.7	245.5	235.9	234.5	244.1	267.6	259.3	251.0	241.4	245.5
12.5°	245.5	244.1	204.1	226.2	197.2	202.8	208.3	200.0	171.0	137.9	142.1
15°	284.1	280.0	231.7	187.6	168.3	169.7	111.7	107.6	86.9	78.6	74.5
17.5°	211.0	231.7	202.8	187.6	169.7	88.3	71.7	55.2	49.7	40.0	41.4
20°	282.8	277.2	231.7	175.2	131.0	74.5	40.0	31.7	38.6	40.0	40.0
22.5°	200.0	194.5	195.9	186.2	92.4	42.8	30.3	31.7	29.0	27.6	27.6
25°	293.8	284.1	237.2	142.1	69.0	27.6	29.0	22.1	26.2	26.2	26.2
27.5°	357.3	324.1	249.7	137.9	38.6	27.6	20.7	22.1	17.9	17.9	17.9
30°	427.6	408.3	326.9	128.3	30.3	22.1	19.3	15.2	16.6	16.6	16.6
32.5°	459.3	433.1	326.9	102.1	26.2	20.7	15.2	13.8	13.8	15.2	15.2
35°	504.8	477.3	325.5	67.6	22.1	16.6	12.4	12.4	12.4	12.4	12.4
37.5°	573.8	533.8	331.0	42.8	17.9	13.8	9.7	11.0	11.0	23.4	23.4
40°	651.1	605.5	315.9	30.3	15.2	11.0	8.3	13.8	19.3	20.7	20.7
42.5°	749.0	699.3	293.8	26.2	13.8	8.3	6.9	11.0	16.6	26.2	26.2
45°	866.2	791.7	263.5	23.4	11.0	6.9	6.9	13.8	20.7	24.8	24.8
47.5°	971.1	881.4	211.0	22.1	9.7	5.5	9.7	15.2	17.9	29.0	29.0
50°	1093.8	975.2	161.4	19.3	8.3	5.5	15.2	16.6	20.7	26.2	26.2
52.5°	1184.9	1053.8	122.8	17.9	8.3	4.1	15.2	15.2	23.4	30.3	30.3
55°	1258.0	1096.6	88.3	15.2	6.9	4.1	17.9	19.3	20.7	23.4	23.4
57.5°	1314.5	1126.9	69.0	13.8	6.9	9.7	22.1	24.8	22.1	23.4	23.4
60°	1379.3	1142.1	51.0	12.4	5.5	9.7	26.2	33.1	24.8	35.9	34.5
62.5°	1438.7	1153.1	41.4	12.4	5.5	11.0	29.0	41.4	33.1	48.3	49.7
65°	1513.1	1166.9	34.5	9.7	5.5	15.2	34.5	55.2	44.1	63.4	66.2
67.5°	1562.8	1175.2	29.0	9.7	5.5	17.9	48.3	71.7	55.2	80.0	82.8
70°	1568.3	1144.9	23.4	9.7	5.5	27.6	66.2	86.9	69.0	102.1	103.5
72.5°	1496.6	1058.0	19.3	11.0	5.5	30.3	77.2	100.7	81.4	135.2	136.6
75°	1209.7	742.1	17.9	11.0	5.5	38.6	84.1	110.3	91.0	140.7	143.5
77.5°	743.5	343.5	16.6	12.4	8.3	42.8	85.5	117.2	95.2	140.7	144.8
80°	288.3	169.7	15.2	13.8	19.3	48.3	92.4	118.6	95.2	131.0	136.6
82.5°	133.8	99.3	15.2	15.2	24.8	49.7	91.0	110.3	88.3	117.2	115.9
85°	120.0	97.9	16.6	16.6	26.2	42.8	71.7	93.8	75.9	92.4	92.4
87.5°	117.2	96.6	17.9	20.7	26.2	24.8	55.2	80.0	64.8	69.0	69.0
90°	120.0	100.7	19.3	23.4	22.1	13.8	44.1	66.2	49.7	44.1	42.8
92.5°	128.3	102.1	23.4	27.6	20.7	11.0	37.2	53.8	35.9	29.0	27.6
95°	135.2	104.8	29.0	33.1	22.1	9.7	33.1	42.8	26.2	17.9	16.6
97.5°	113.1	81.4	33.1	35.9	22.1	9.7	29.0	34.5	20.7	9.7	9.7
100°	48.3	35.9	34.5	38.6	20.7	8.3	24.8	27.6	13.8	4.1	5.5
102.5°	9.7	11.0	30.3	35.9	16.6	5.5	16.6	16.6	9.7	1.4	2.8
105°	9.7	8.3	19.3	30.3	9.7	2.8	6.9	9.7	4.1	1.4	1.4
107.5°	9.7	9.7	6.9	15.2	4.1	2.8	2.8	4.1	2.8	1.4	1.4



REPORT NUMBER: P560231  
 CATALOG NUMBER: SDL-PA1-30-750-U-T2U-HSS-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.8	12.4	2.8	4.1	4.1	2.8	1.4	1.4	2.8	9.7	11.0
115°	12.4	11.0	4.1	4.1	2.8	2.8	1.4	1.4	2.8	11.0	12.4
117.5°	9.7	9.7	4.1	2.8	2.8	2.8	1.4	1.4	2.8	11.0	11.0
120°	11.0	9.7	4.1	2.8	1.4	1.4	1.4	1.4	2.8	8.3	8.3
122.5°	11.0	9.7	4.1	2.8	1.4	1.4	1.4	1.4	2.8	8.3	9.7
125°	9.7	8.3	4.1	2.8	1.4	1.4	1.4	1.4	4.1	8.3	8.3
127.5°	8.3	6.9	2.8	1.4	1.4	1.4	1.4	1.4	4.1	6.9	6.9
130°	5.5	5.5	2.8	1.4	1.4	1.4	1.4	1.4	4.1	5.5	5.5
132.5°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	1.4	2.8	5.5	5.5
135°	4.1	2.8	2.8	1.4	1.4	1.4	1.4	1.4	2.8	4.1	4.1
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
140°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
152.5°	1.4	1.4	2.8	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
155°	4.1	4.1	4.1	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.4	1.4	1.4	1.4	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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110° | 9.7 9.7 4.1 4.1 2.8 1.4 1.4 1.4 2.8 4.1 9.7

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110°	11.0	9.7	2.8	4.1	2.8	2.8	2.8	2.8	1.4	6.9	8.3
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(END OF REPORT)