

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: P560745

Luminaire Tested: **SDL-PA1-60-740-U-T4W-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560745  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-60-740-U-T4W-HSS-A  
Description: Springdale  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5083.8 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G2

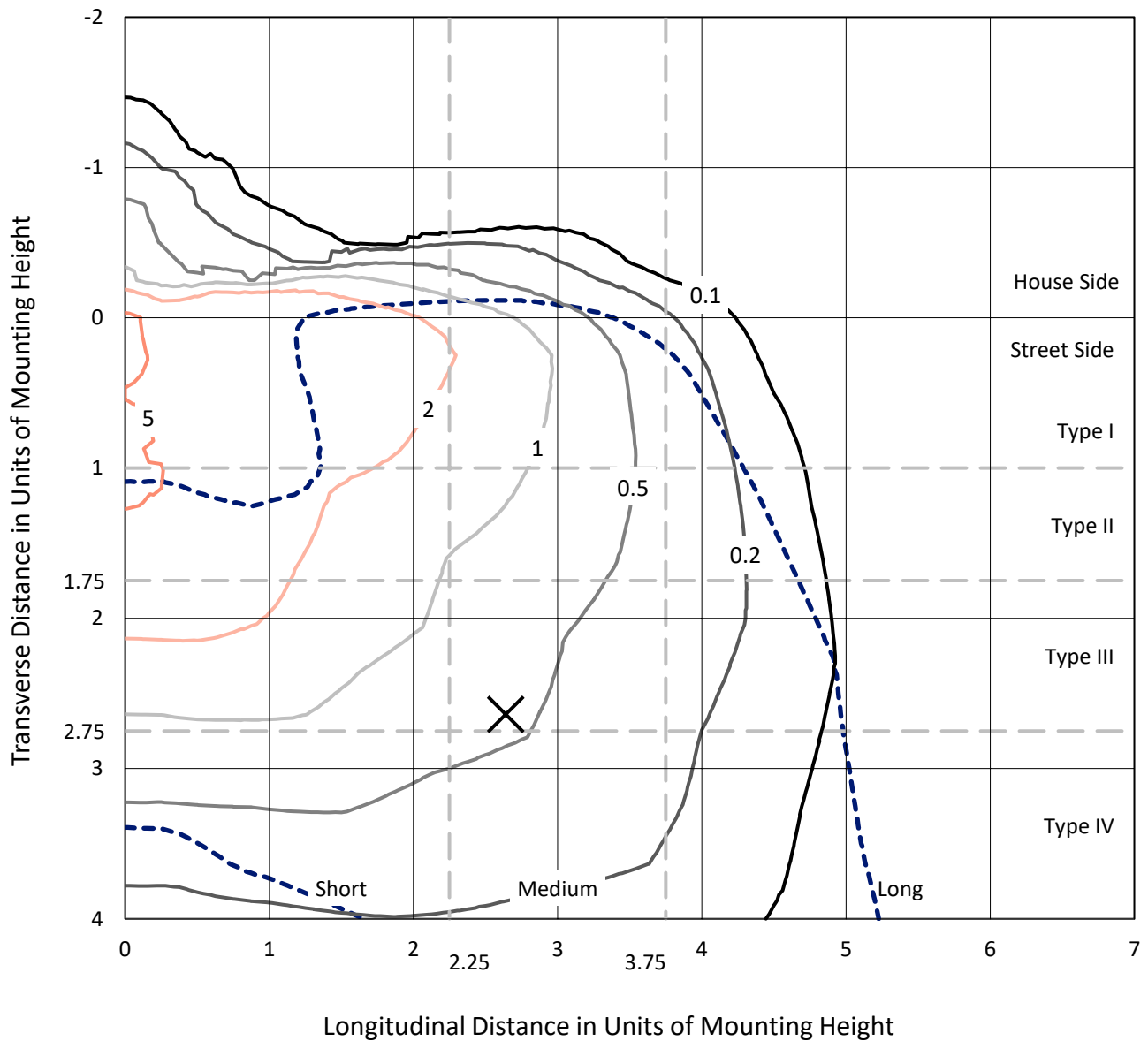
Input Watts (W): 62.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

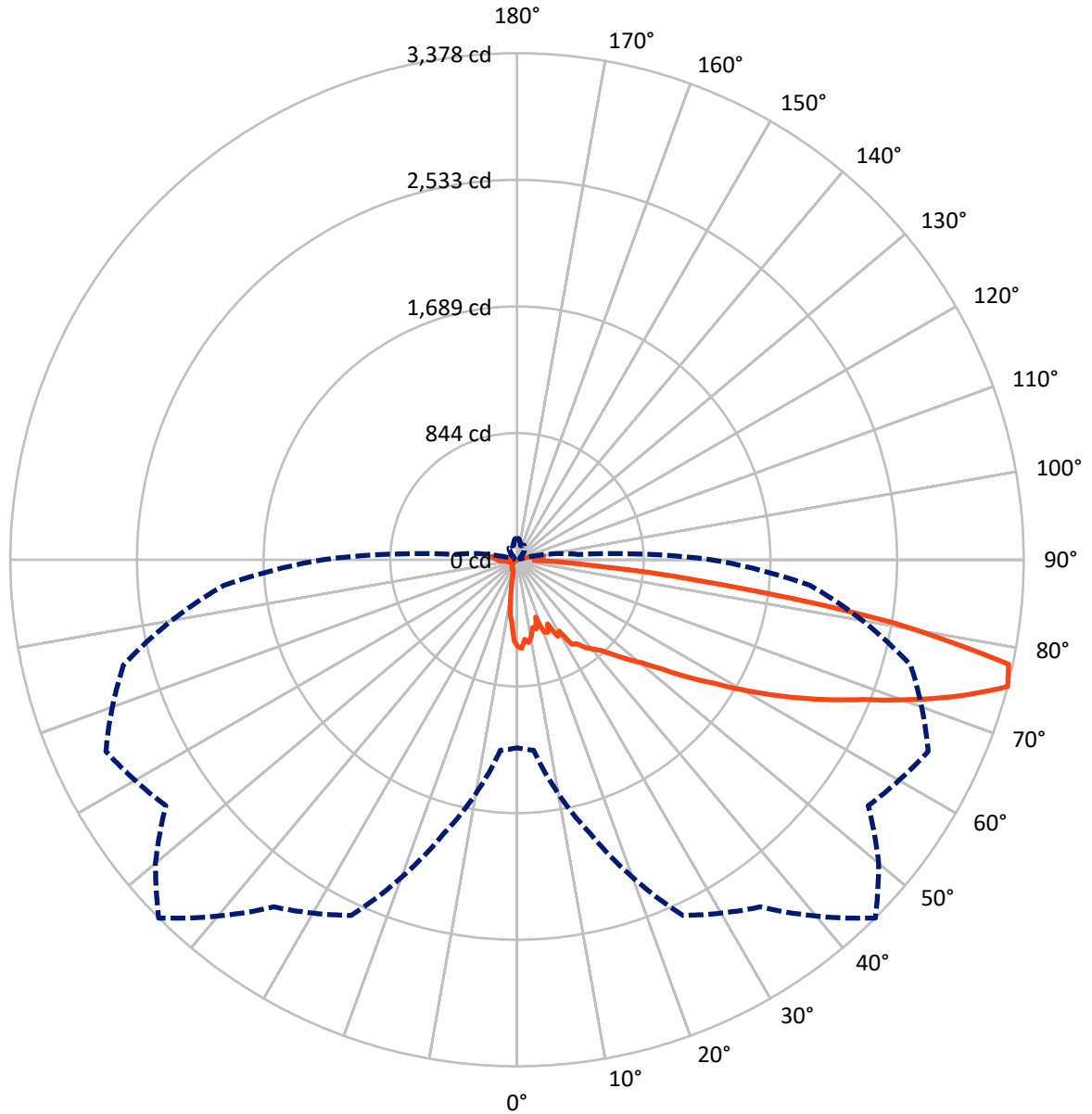
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical



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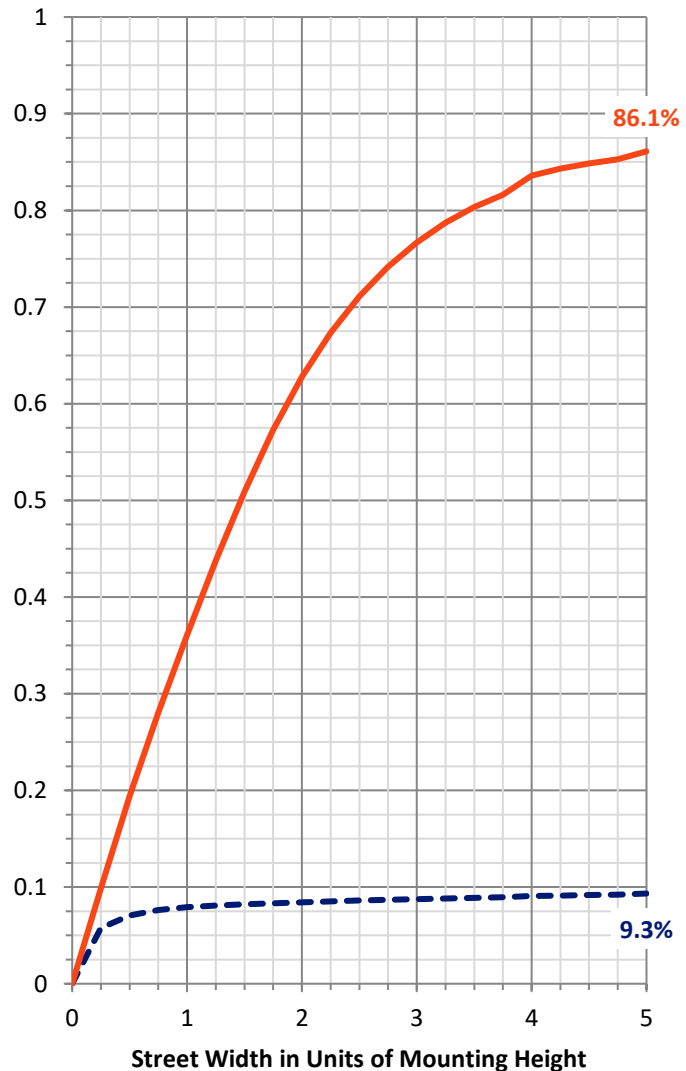
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	521.7	91.2	612.9
	% Fixture	10.3	1.8	12.1
<b>Street Side</b>	Lumens	4400.3	70.5	4470.8
	% Fixture	86.6	1.4	87.9
<b>Total</b>	Lumens	4922.0	161.8	5083.8
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.0	0.9
10°-20°	97.3	1.9
20°-30°	163.2	3.2
30°-40°	302.6	6.0
40°-50°	510.0	10.0
50°-60°	915.3	18.0
60°-70°	1374.3	27.0
70°-80°	1257.3	24.7
80°-90°	257.1	5.1
90°-100°	123.0	2.4
100°-110°	26.2	0.5
110°-120°	5.0	0.1
120°-130°	3.9	0.1
130°-140°	1.8	0.0
140°-150°	0.9	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4922.0	96.8
0°-180°	5083.8	100.0



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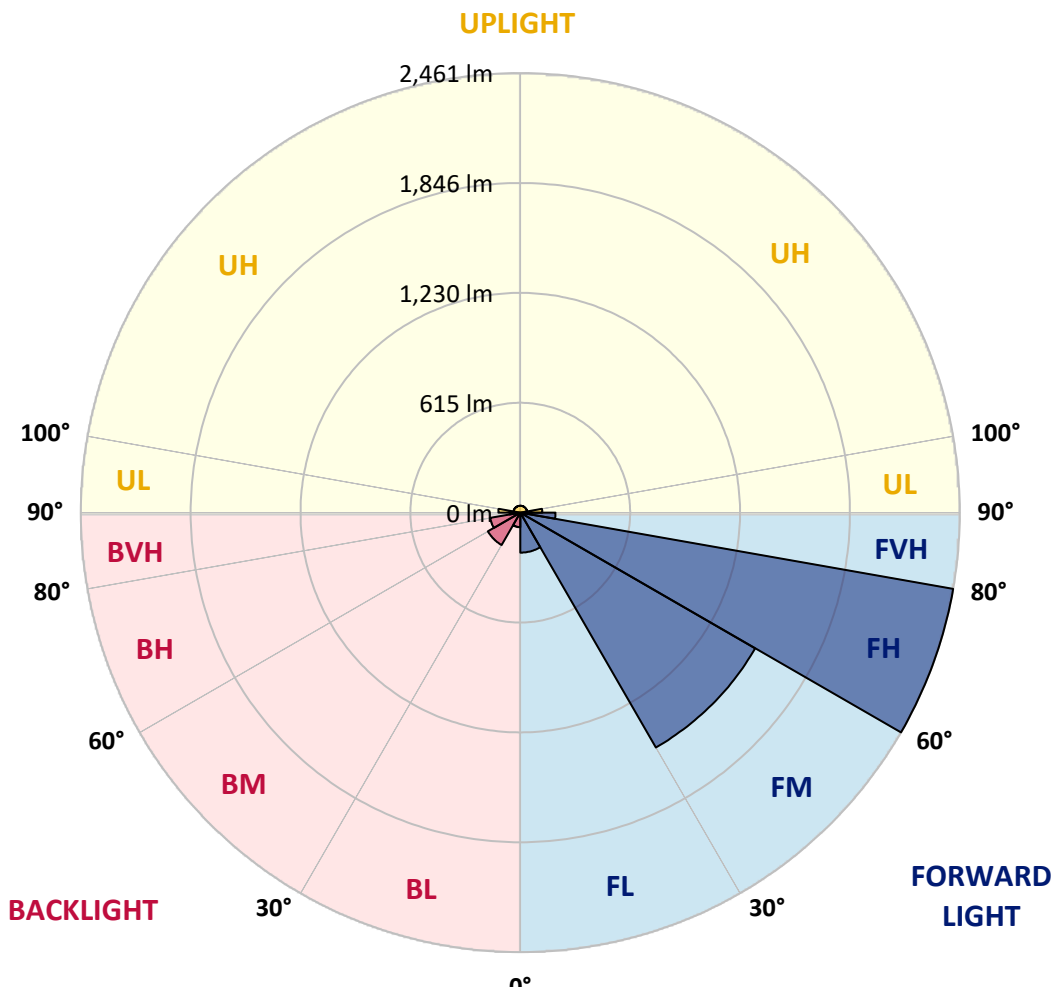
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.0	4.4			
FM (30°-60°)	1518.5	29.9			
FH (60°-80°)	2460.7	48.4			G2/5000
FVH (80°-90°)	197.1	3.9			G2/225
BL (0°-30°)	81.4	1.6	B0/110		
BM (30°-60°)	209.3	4.1	B0/220		
BH (60°-80°)	170.9	3.4	B1/500		G1/500
BVH (80°-90°)	60.0	1.2			G1/100
UL (90°-100°)	123.0	2.4		U3/500	
UH (100°-180°)	38.8	0.8		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3
2.5°	562.9	590.1	582.0	595.6	592.9	590.1	592.9	590.1	592.9	584.7	579.3
5°	573.8	565.7	560.2	557.5	546.6	533.0	527.6	522.1	579.3	579.3	568.4
7.5°	590.1	590.1	579.3	571.1	571.1	557.5	543.9	533.0	505.8	497.7	497.7
10°	628.2	622.8	614.6	598.3	516.7	519.4	489.5	429.7	402.5	413.4	429.7
12.5°	636.4	633.6	622.8	620.0	543.9	462.3	383.5	429.7	410.6	342.7	380.7
15°	682.6	677.2	655.4	617.3	465.0	478.6	446.0	383.5	367.1	418.8	448.7
17.5°	582.0	582.0	652.7	598.3	505.8	402.5	399.8	446.0	402.5	375.3	372.6
20°	715.2	715.2	685.3	489.5	519.4	514.0	413.4	467.8	394.3	446.0	475.9
22.5°	595.6	592.9	614.6	606.5	497.7	524.9	424.2	427.0	470.5	402.5	345.4
25°	726.1	726.1	709.8	527.6	565.7	473.2	484.1	511.3	418.8	508.5	514.0
27.5°	625.5	622.8	592.9	603.7	527.6	579.3	440.6	481.4	514.0	549.3	603.7
30°	764.2	769.6	756.0	573.8	587.4	552.1	524.9	557.5	622.8	731.5	766.9
32.5°	943.7	949.1	805.0	690.8	590.1	671.7	562.9	614.6	715.2	766.9	805.0
35°	1049.7	1008.9	946.4	772.3	636.4	688.0	647.2	655.4	745.1	826.7	853.9
37.5°	1139.5	1085.1	1011.7	796.8	671.7	742.4	674.4	685.3	807.7	881.1	916.5
40°	1169.4	1136.8	1096.0	851.2	715.2	783.2	707.1	731.5	867.5	951.8	1006.2
42.5°	1242.8	1245.5	1221.1	927.4	761.5	826.7	761.5	777.8	946.4	1049.7	1128.6
45°	1438.6	1444.1	1416.9	1057.9	818.6	902.9	848.5	856.6	1036.1	1199.3	1299.9
47.5°	1688.8	1669.8	1642.6	1231.9	905.6	989.9	949.1	941.0	1142.2	1395.1	1484.9
50°	1941.7	1906.4	1849.3	1471.3	1055.2	1079.6	1052.5	1047.0	1270.0	1596.4	1694.3
52.5°	2205.5	2178.3	2058.7	1697.0	1278.2	1210.2	1180.3	1210.2	1435.9	1819.4	1909.1
55°	2344.2	2317.0	2240.9	1939.0	1493.0	1378.8	1327.1	1381.5	1691.5	2028.8	2145.7
57.5°	2458.4	2450.3	2414.9	2191.9	1754.1	1558.3	1506.6	1558.3	1895.5	2224.6	2363.3
60°	2621.6	2589.0	2621.6	2436.7	2007.0	1778.6	1707.9	1762.2	2145.7	2395.9	2602.6
62.5°	2738.5	2730.4	2795.7	2711.4	2219.1	2009.7	1906.4	1958.0	2366.0	2578.1	2839.2
65°	2613.4	2654.2	2915.3	2890.8	2458.4	2246.3	2137.5	2121.2	2545.5	2773.9	3092.1
67.5°	2390.4	2417.6	2798.4	2983.3	2667.8	2485.6	2355.1	2278.9	2711.4	2950.7	3293.3
70°	2178.3	2211.0	2559.1	2988.7	2768.5	2792.9	2610.7	2469.3	2877.2	3149.2	3336.8
72.5°	2009.7	2039.6	2352.4	2923.5	2803.8	3100.2	2890.8	2670.6	3037.7	3154.6	2915.3
75°	1253.7	1275.4	1892.8	2616.2	2825.6	3377.6	3146.5	2858.2	3024.1	2716.8	1960.8
77.5°	386.2	394.3	810.4	1726.9	2455.7	3350.4	3103.0	2686.9	2534.6	1724.2	894.7
80°	133.3	136.0	209.4	614.6	1468.5	2542.7	2366.0	1977.1	1514.8	636.4	337.2
82.5°	62.5	68.0	97.9	206.7	598.3	1389.7	1397.8	1174.8	636.4	282.8	228.4
85°	21.8	21.8	40.8	89.7	231.2	535.7	508.5	473.2	334.5	255.6	212.1
87.5°	8.2	8.2	13.6	24.5	57.1	114.2	144.1	176.8	176.8	179.5	214.8
90°	8.2	8.2	5.4	5.4	40.8	119.7	144.1	160.5	146.9	163.2	233.9
92.5°	8.2	8.2	5.4	5.4	43.5	138.7	160.5	174.0	155.0	174.0	258.4
95°	8.2	8.2	5.4	5.4	49.0	168.6	187.6	184.9	155.0	182.2	277.4
97.5°	10.9	10.9	5.4	2.7	43.5	179.5	201.2	195.8	133.3	138.7	217.6
100°	10.9	10.9	5.4	2.7	27.2	133.3	160.5	157.7	87.0	21.8	62.5
102.5°	10.9	10.9	5.4	2.7	5.4	62.5	76.1	78.9	51.7	8.2	10.9
105°	13.6	13.6	5.4	2.7	2.7	10.9	24.5	32.6	19.0	5.4	10.9
107.5°	13.6	13.6	5.4	2.7	2.7	5.4	5.4	8.2	8.2	5.4	13.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	10.9	10.9	2.7	5.4	2.7	2.7	2.7	2.7	2.7	5.4	13.6
115°	5.4	5.4	2.7	2.7	0.0	2.7	2.7	2.7	2.7	5.4	10.9
117.5°	2.7	2.7	0.0	2.7	0.0	2.7	2.7	2.7	5.4	5.4	13.6
120°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.2	16.3
122.5°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.2	16.3
125°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.2	16.3
127.5°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.2	13.6
130°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	5.4	10.9
132.5°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	5.4	8.2
135°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	5.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	8.2	8.2	5.4	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7
152.5°	5.4	5.4	8.2	2.7	0.0	0.0	2.7	2.7	5.4	2.7	2.7
155°	5.4	5.4	2.7	0.0	0.0	0.0	0.0	2.7	2.7	5.4	5.4
157.5°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
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°	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3
2.5°	573.8	571.1	562.9	557.5	549.3	541.2	500.4	475.9	473.2	470.5	473.2
5°	562.9	554.8	541.2	478.6	448.7	421.5	413.4	407.9	394.3	394.3	397.0
7.5°	486.8	481.4	437.8	418.8	394.3	369.9	348.1	331.8	291.0	277.4	272.0
10°	427.0	416.1	339.9	301.9	277.4	250.2	250.2	228.4	217.6	209.4	206.7
12.5°	369.9	361.7	299.1	274.7	206.7	179.5	165.9	152.3	144.1	138.7	136.0
15°	432.4	418.8	320.9	220.3	152.3	127.8	100.6	97.9	122.4	127.8	130.5
17.5°	345.4	353.5	285.5	193.1	125.1	78.9	87.0	103.3	116.9	116.9	114.2
20°	459.6	440.6	310.0	155.0	89.7	78.9	84.3	76.1	108.8	116.9	116.9
22.5°	334.5	318.2	255.6	144.1	70.7	76.1	70.7	89.7	100.6	89.7	92.5
25°	497.7	473.2	296.4	100.6	73.4	65.3	81.6	70.7	97.9	106.1	108.8
27.5°	617.3	535.7	291.0	95.2	65.3	73.4	68.0	81.6	78.9	84.3	84.3
30°	737.0	690.8	329.1	87.0	65.3	62.5	70.7	70.7	89.7	97.9	97.9
32.5°	788.7	734.3	288.3	84.3	65.3	62.5	62.5	76.1	84.3	100.6	100.6
35°	843.0	769.6	242.0	78.9	62.5	59.8	59.8	76.1	89.7	100.6	103.3
37.5°	916.5	807.7	195.8	76.1	59.8	57.1	51.7	68.0	95.2	106.1	108.8
40°	1008.9	862.1	152.3	70.7	54.4	51.7	49.0	68.0	81.6	95.2	95.2
42.5°	1153.1	921.9	119.7	68.0	51.7	46.2	46.2	57.1	78.9	89.7	89.7
45°	1299.9	992.6	100.6	65.3	49.0	43.5	43.5	57.1	59.8	76.1	76.1
47.5°	1463.1	1063.3	92.5	62.5	49.0	38.1	38.1	51.7	51.7	70.7	73.4
50°	1631.7	1123.2	87.0	59.8	43.5	35.4	43.5	35.4	43.5	68.0	73.4
52.5°	1778.6	1172.1	81.6	54.4	40.8	32.6	40.8	35.4	43.5	62.5	62.5
55°	1928.1	1199.3	78.9	51.7	38.1	27.2	40.8	38.1	40.8	57.1	57.1
57.5°	2061.4	1207.5	76.1	51.7	32.6	24.5	38.1	46.2	35.4	46.2	51.7
60°	2181.0	1199.3	68.0	46.2	24.5	24.5	40.8	54.4	49.0	54.4	54.4
62.5°	2292.5	1169.4	54.4	38.1	19.0	24.5	51.7	59.8	46.2	57.1	62.5
65°	2387.7	1128.6	40.8	29.9	13.6	27.2	54.4	68.0	54.4	65.3	70.7
67.5°	2431.2	1074.2	32.6	24.5	13.6	29.9	57.1	76.1	62.5	73.4	78.9
70°	2357.8	962.7	27.2	24.5	10.9	35.4	59.8	81.6	70.7	92.5	95.2
72.5°	1958.0	756.0	24.5	24.5	19.0	43.5	76.1	92.5	87.0	125.1	122.4
75°	1297.2	413.4	24.5	21.8	24.5	51.7	92.5	108.8	95.2	141.4	141.4
77.5°	598.3	182.2	21.8	24.5	27.2	57.1	106.1	130.5	108.8	160.5	157.7
80°	261.1	111.5	21.8	21.8	29.9	62.5	119.7	146.9	119.7	176.8	176.8
82.5°	195.8	100.6	19.0	21.8	40.8	70.7	138.7	163.2	133.3	190.4	187.6
85°	182.2	95.2	21.8	24.5	46.2	89.7	163.2	176.8	138.7	195.8	195.8
87.5°	184.9	92.5	21.8	24.5	62.5	114.2	184.9	190.4	152.3	206.7	206.7
90°	190.4	95.2	24.5	27.2	70.7	125.1	206.7	204.0	171.3	217.6	217.6
92.5°	204.0	95.2	27.2	29.9	76.1	138.7	225.7	209.4	184.9	225.7	220.3
95°	212.1	95.2	29.9	32.6	89.7	152.3	239.3	204.0	195.8	209.4	204.0
97.5°	157.7	70.7	35.4	38.1	92.5	171.3	220.3	174.0	127.8	125.1	127.8
100°	51.7	24.5	38.1	40.8	59.8	119.7	163.2	125.1	68.0	51.7	51.7
102.5°	13.6	13.6	35.4	38.1	32.6	51.7	95.2	81.6	46.2	2.7	5.4
105°	13.6	10.9	21.8	29.9	19.0	13.6	38.1	46.2	35.4	2.7	2.7
107.5°	13.6	10.9	10.9	16.3	5.4	5.4	10.9	10.9	10.9	2.7	2.7



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 CATALOG NUMBER: SDL-PA1-60-740-U-T4W-HSS-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.3	10.9	5.4	5.4	5.4	2.7	2.7	2.7	2.7	8.2	10.9
115°	13.6	10.9	2.7	5.4	2.7	2.7	2.7	2.7	5.4	10.9	13.6
117.5°	13.6	10.9	2.7	2.7	2.7	2.7	2.7	2.7	5.4	13.6	16.3
120°	16.3	13.6	2.7	2.7	2.7	2.7	2.7	2.7	5.4	16.3	16.3
122.5°	16.3	13.6	2.7	2.7	2.7	2.7	0.0	2.7	8.2	16.3	16.3
125°	16.3	13.6	2.7	2.7	2.7	0.0	0.0	2.7	8.2	16.3	19.0
127.5°	13.6	10.9	2.7	2.7	2.7	0.0	0.0	2.7	5.4	13.6	16.3
130°	10.9	8.2	2.7	2.7	2.7	0.0	0.0	0.0	5.4	13.6	13.6
132.5°	8.2	5.4	2.7	2.7	2.7	0.0	0.0	0.0	5.4	10.9	10.9
135°	5.4	5.4	2.7	2.7	2.7	0.0	0.0	0.0	2.7	8.2	8.2
137.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
140°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	5.4	5.4	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.7	2.7	2.7	2.7	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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u





110° | 13.6 13.6 5.4 5.4 2.7 2.7 2.7 2.7 5.4 5.4 13.6

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110°	13.6	10.9	5.4	5.4	5.4	5.4	5.4	2.7	2.7	5.4	5.4
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