

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: P560751

Luminaire Tested: **SDL-PA1-60-750-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-750-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5886.1 lumens
Efficiency: N/A
Efficacy: 94.3 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

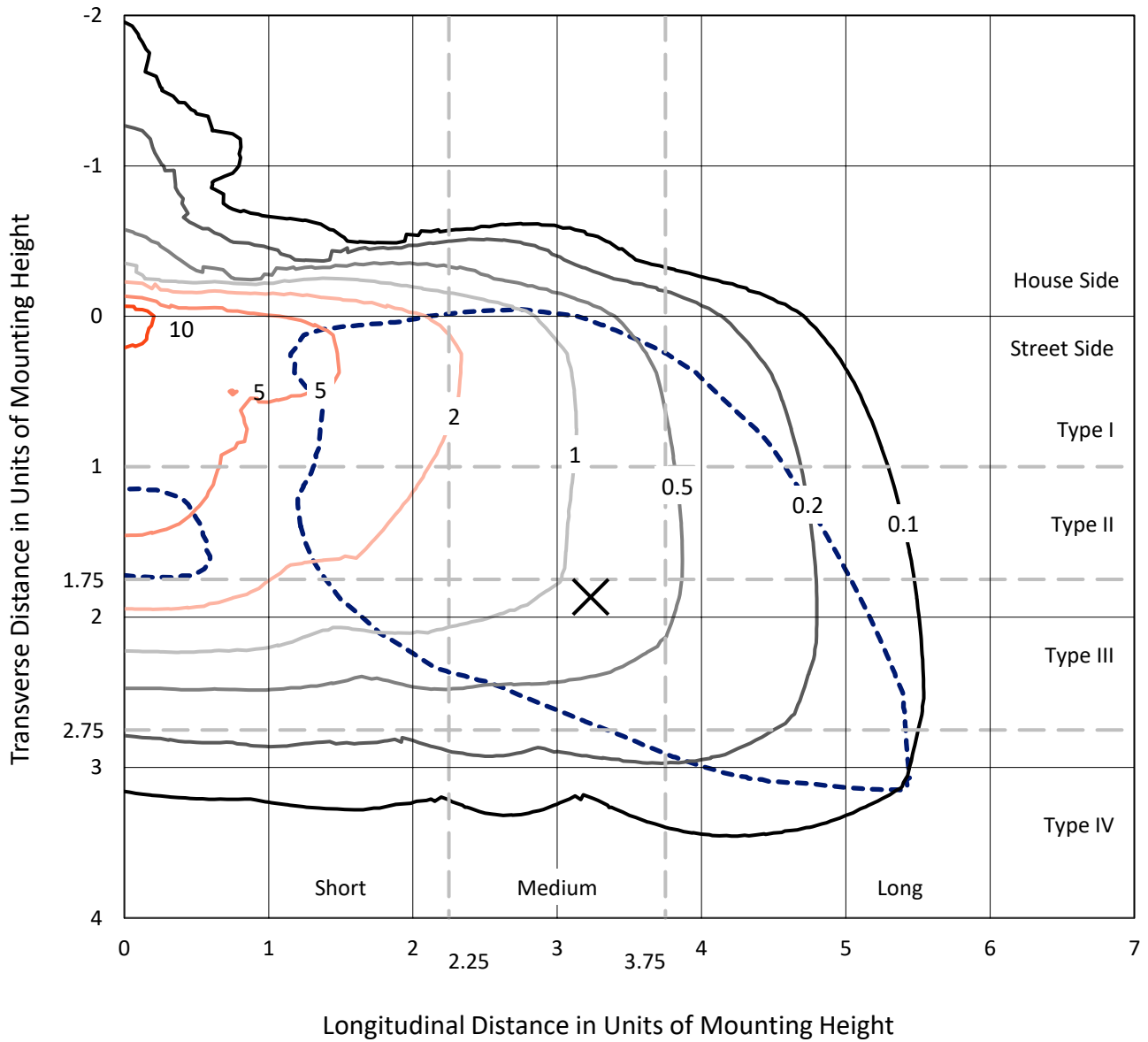
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

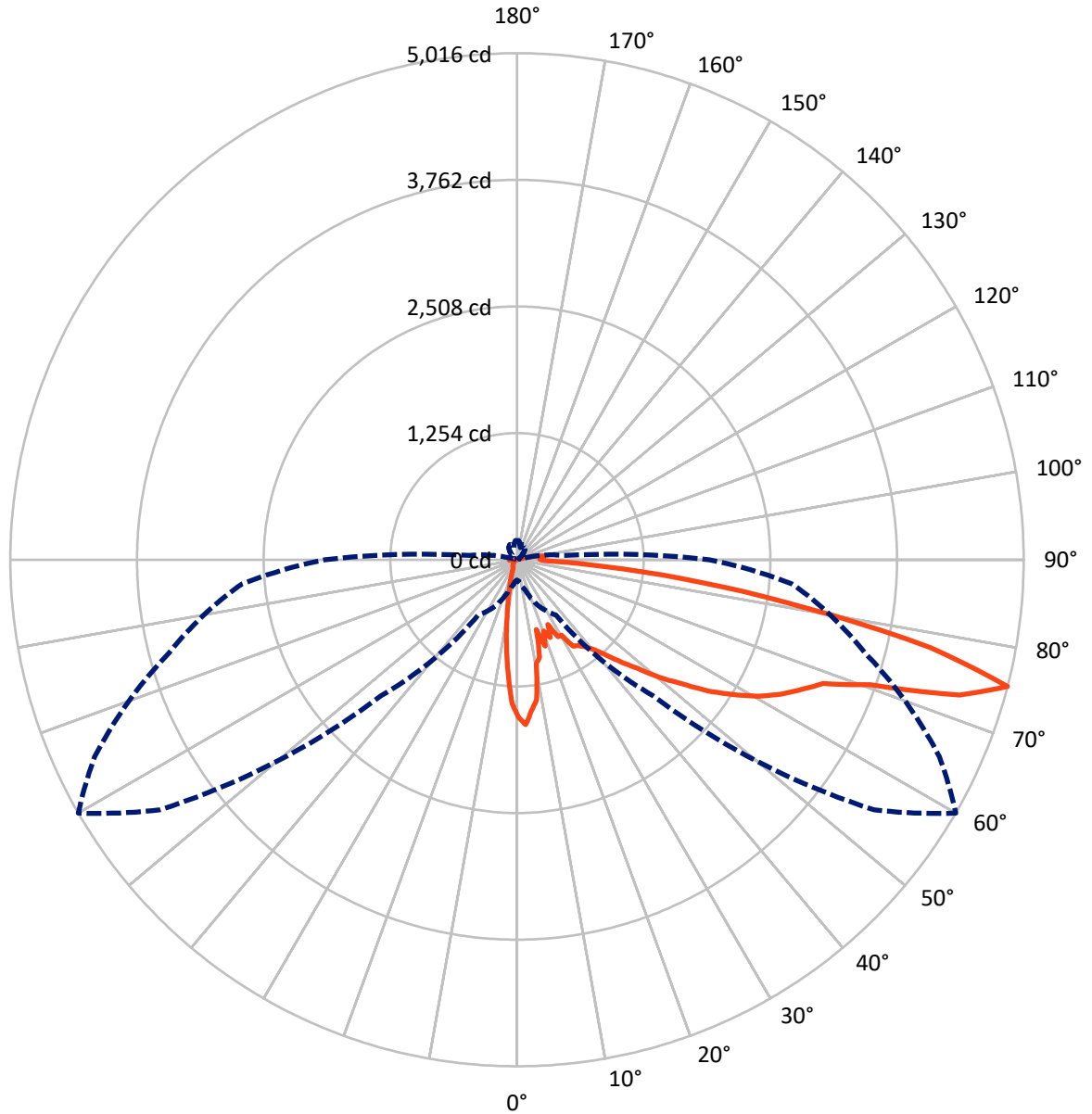
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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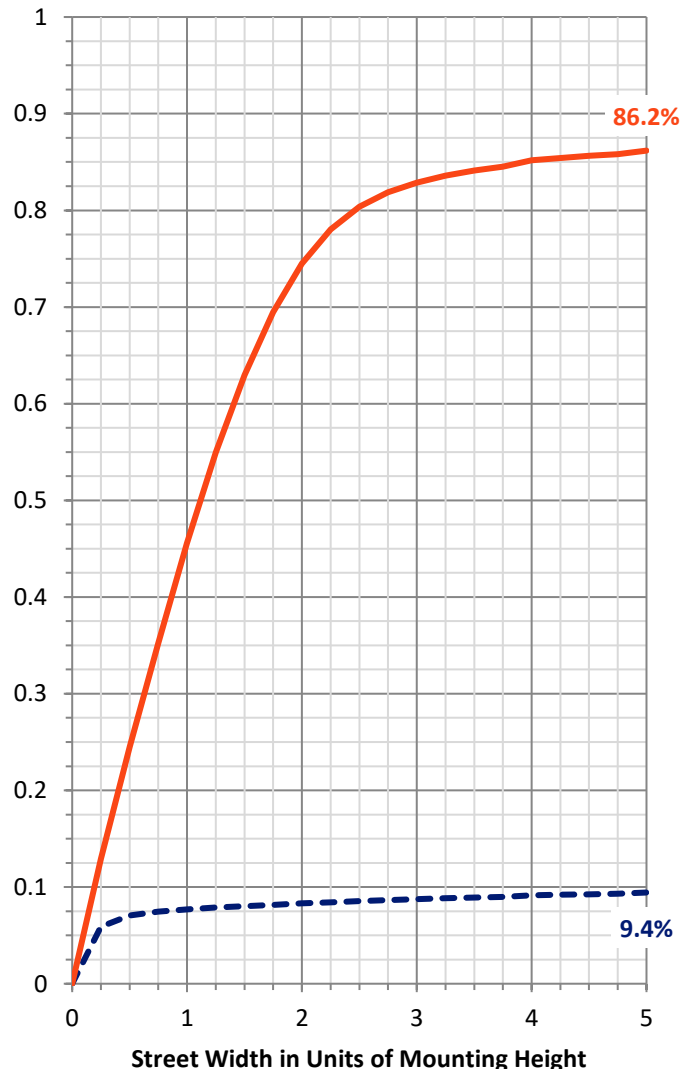
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	608.3	79.3	687.6
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	5115.7	82.9	5198.6
	% Fixture	86.9	1.4	88.3
Total	Lumens	5724.0	162.1	5886.1
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	1.8
10°-20°	177.1	3.0
20°-30°	250.4	4.3
30°-40°	450.0	7.6
40°-50°	758.2	12.9
50°-60°	1179.3	20.0
60°-70°	1391.7	23.6
70°-80°	1128.9	19.2
80°-90°	280.3	4.8
90°-100°	113.1	1.9
100°-110°	26.2	0.4
110°-120°	8.2	0.1
120°-130°	7.3	0.1
130°-140°	3.9	0.1
140°-150°	1.9	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5724.0	97.2
0°-180°	5886.1	100.0

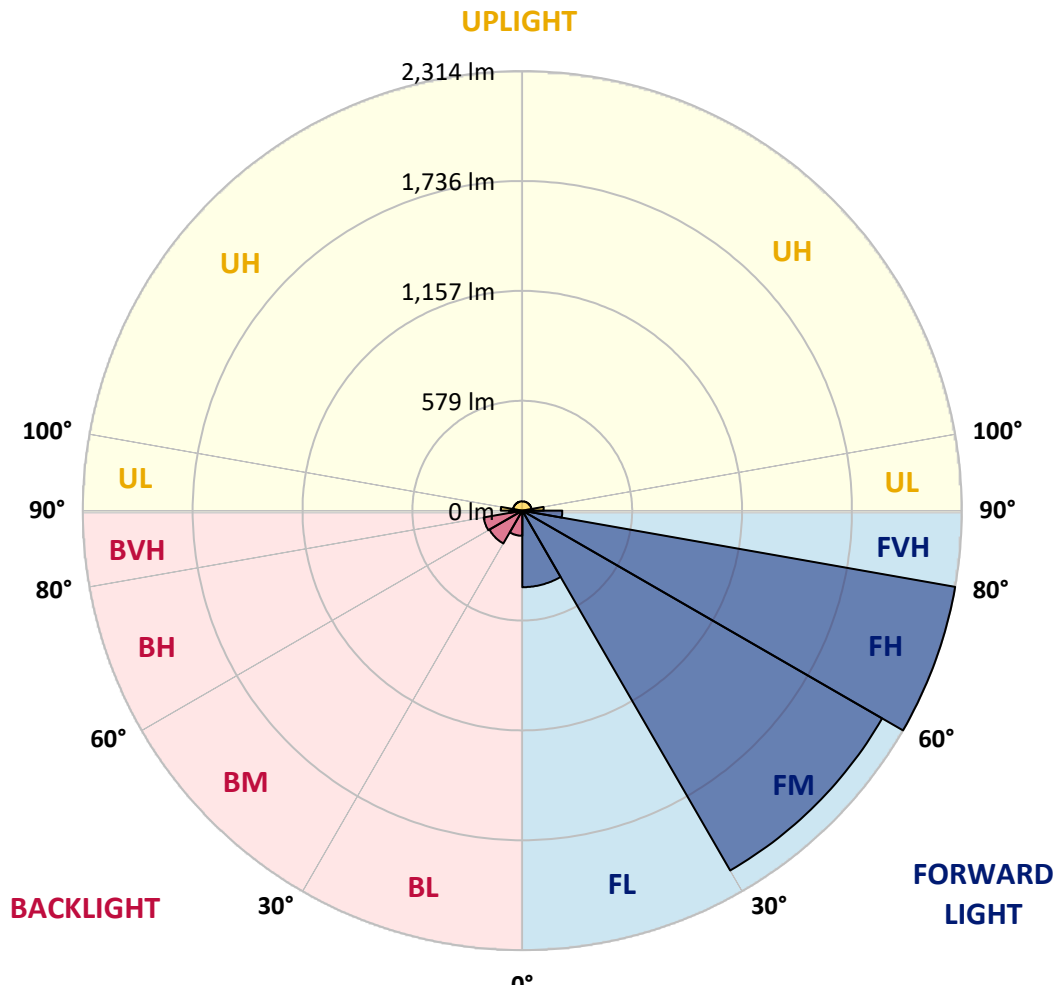


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	403.2	6.8			
FM (30°-60°)	2187.7	37.2			
FH (60°-80°)	2314.1	39.3			G2/5000
FVH (80°-90°)	210.7	3.6			G2/225
BL (0°-30°)	132.3	2.2	B1/500		
BM (30°-60°)	200.0	3.4	B0/220		
BH (60°-80°)	206.5	3.5	B1/500		G1/500
BVH (80°-90°)	69.6	1.2			G1/100
UL (90°-100°)	113.1	1.9		U3/500	
UH (100°-180°)	49.0	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°	55°	60°	65°	75°	85°
0°	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0
2.5°	1463.5	1575.0	1542.4	1645.7	1659.3	1653.9	1648.5	1634.9	1621.3	1596.8	1558.7
5°	1403.6	1414.5	1406.4	1425.4	1428.1	1436.3	1422.7	1498.9	1626.7	1594.1	1534.2
7.5°	1153.4	1267.6	1281.2	1316.6	1349.2	1381.9	1400.9	1398.2	1235.0	1387.3	1319.3
10°	1177.9	1194.2	1191.5	1215.9	1188.7	1142.5	1041.9	1044.6	1044.6	1077.2	1112.6
12.5°	933.0	982.0	1101.7	1139.8	1058.2	963.0	971.1	990.2	1003.8	851.4	938.5
15°	1058.2	1060.9	1063.6	1063.6	797.0	911.3	794.3	718.1	821.5	1006.5	1022.8
17.5°	829.7	821.5	957.5	946.6	878.6	677.3	881.4	900.4	865.0	846.0	851.4
20°	973.8	973.8	965.7	769.8	810.6	873.2	756.2	753.5	797.0	990.2	1001.0
22.5°	788.9	780.7	824.2	856.9	769.8	832.4	745.3	837.8	927.6	875.9	715.4
25°	987.4	987.4	954.8	742.6	797.0	715.4	827.0	710.0	788.9	1071.8	1020.1
27.5°	914.0	889.5	813.4	843.3	715.4	832.4	761.7	862.3	911.3	1109.9	1188.7
30°	1180.6	1172.4	1085.4	848.7	813.4	764.4	818.8	867.8	1050.0	1439.0	1373.7
32.5°	1575.0	1531.5	1235.0	1050.0	854.2	905.8	873.2	1020.1	1153.4	1471.6	1392.8
35°	1681.1	1648.5	1507.0	1275.8	957.5	957.5	938.5	1041.9	1183.3	1542.4	1433.6
37.5°	1716.5	1713.7	1664.8	1395.5	1099.0	1101.7	992.9	1093.5	1243.1	1637.6	1493.4
40°	1738.2	1743.7	1792.6	1520.6	1248.6	1243.1	1093.5	1167.0	1335.6	1741.0	1602.2
42.5°	1830.7	1860.6	1920.5	1659.3	1390.0	1392.8	1215.9	1284.0	1458.0	1912.3	1751.8
45°	2037.5	2045.6	2081.0	1849.8	1523.3	1542.4	1371.0	1441.7	1607.7	2100.0	1920.5
47.5°	2350.3	2350.3	2290.4	1999.4	1681.1	1708.3	1534.2	1607.7	1784.5	2374.8	2116.3
50°	2627.7	2606.0	2475.4	2176.2	1809.0	1868.8	1749.1	1833.4	1934.1	2584.2	2361.2
52.5°	2801.8	2793.7	2633.2	2295.9	1945.0	2045.6	1925.9	2034.7	2108.2	2801.8	2581.5
55°	2777.4	2777.4	2674.0	2358.4	2070.1	2206.1	2154.4	2290.4	2317.6	3008.6	2742.0
57.5°	2684.9	2698.5	2649.5	2382.9	2094.6	2358.4	2388.4	2516.2	2562.5	3128.3	2842.6
60°	2497.2	2524.4	2576.1	2415.6	2189.8	2529.8	2627.7	2742.0	2829.0	3218.0	2927.0
62.5°	2146.3	2181.6	2363.9	2412.9	2263.2	2706.6	2831.8	2932.4	3014.0	3267.0	2986.8
65°	1626.7	1692.0	1955.9	2238.8	2257.8	2913.4	2997.7	3095.6	3174.5	3316.0	3141.9
67.5°	1039.1	1041.9	1327.5	1849.8	2105.5	3204.4	3220.8	3269.7	3321.4	3452.0	3362.2
70°	535.9	563.1	699.1	1180.6	1724.6	3264.3	3778.4	3707.7	3628.8	3748.5	3647.8
72.5°	356.4	386.3	459.7	636.5	1082.7	2943.3	4385.0	4580.9	4232.7	3968.8	3397.6
75°	201.3	217.6	307.4	503.2	669.2	1901.4	4317.0	5016.1	4613.5	3566.2	2731.1
77.5°	89.8	95.2	138.7	394.4	574.0	927.6	3397.6	4191.9	4031.4	2973.2	1969.5
80°	49.0	49.0	65.3	182.3	486.9	699.1	2255.1	2918.8	2742.0	1792.6	895.0
82.5°	27.2	29.9	38.1	87.0	296.5	639.3	1425.4	1830.7	1447.2	492.4	361.8
85°	10.9	10.9	16.3	46.2	108.8	541.3	780.7	870.5	584.9	250.3	280.2
87.5°	5.4	5.4	5.4	16.3	35.4	138.7	255.7	274.7	214.9	198.6	242.1
90°	8.2	8.2	5.4	5.4	24.5	146.9	214.9	225.8	176.8	198.6	244.8
92.5°	10.9	8.2	5.4	5.4	19.0	146.9	244.8	242.1	176.8	198.6	253.0
95°	13.6	10.9	5.4	5.4	19.0	130.6	293.8	263.9	190.4	201.3	266.6
97.5°	13.6	13.6	5.4	5.4	19.0	100.6	310.1	266.6	165.9	130.6	182.3
100°	16.3	16.3	5.4	5.4	21.8	59.8	214.9	198.6	117.0	43.5	51.7
102.5°	19.0	19.0	5.4	5.4	13.6	29.9	103.4	100.6	65.3	10.9	19.0
105°	19.0	21.8	5.4	5.4	5.4	13.6	38.1	46.2	32.6	10.9	19.0
107.5°	21.8	24.5	5.4	5.4	5.4	8.2	16.3	16.3	10.9	10.9	19.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	16.3	16.3	2.7	5.4	5.4	5.4	2.7	5.4	5.4	8.2	16.3
115°	8.2	5.4	2.7	5.4	2.7	5.4	2.7	5.4	8.2	8.2	19.0
117.5°	2.7	2.7	2.7	2.7	2.7	5.4	2.7	5.4	5.4	13.6	24.5
120°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	19.0	29.9
122.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	19.0	35.4
125°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	13.6	32.6
127.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	13.6	27.2
130°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	10.9	24.5
132.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	10.9	19.0
135°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	13.6
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4
140°	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7
150°	10.9	10.9	10.9	8.2	5.4	2.7	8.2	5.4	2.7	2.7	2.7
152.5°	8.2	8.2	13.6	5.4	2.7	2.7	2.7	8.2	8.2	2.7	2.7
155°	8.2	8.2	5.4	2.7	2.7	2.7	2.7	2.7	2.7	8.2	10.9
157.5°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	5.4	2.7
160°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	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°	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0
2.5°	1545.1	1528.8	1485.2	1444.4	1395.5	1365.6	1262.2	1145.2	1120.7	1115.3	1096.3
5°	1507.0	1471.6	1387.3	1207.8	1028.2	946.6	908.6	878.6	837.8	829.7	818.8
7.5°	1278.5	1218.7	1088.1	867.8	840.6	764.4	701.8	650.1	538.6	508.7	492.4
10°	1063.6	1011.9	742.6	631.1	574.0	516.8	448.8	397.2	350.9	329.1	321.0
12.5°	859.6	807.9	554.9	500.5	356.4	293.8	255.7	212.2	176.8	157.8	157.8
15°	952.1	867.8	574.0	356.4	233.9	174.1	127.9	114.2	133.3	136.0	136.0
17.5°	778.0	693.7	451.6	277.5	171.4	95.2	103.4	117.0	127.9	111.5	114.2
20°	895.0	778.0	454.3	209.5	108.8	92.5	95.2	87.0	117.0	119.7	119.7
22.5°	677.3	612.1	342.7	165.9	84.3	87.0	81.6	97.9	108.8	95.2	92.5
25°	875.9	720.9	348.2	106.1	84.3	70.7	84.3	76.2	100.6	103.4	103.4
27.5°	1003.8	807.9	304.7	92.5	70.7	76.2	68.0	78.9	76.2	76.2	76.2
30°	1139.8	881.4	296.5	89.8	68.0	62.6	65.3	62.6	73.4	76.2	76.2
32.5°	1139.8	843.3	225.8	89.8	65.3	59.8	51.7	57.1	59.8	65.3	68.0
35°	1147.9	810.6	165.9	81.6	59.8	51.7	46.2	46.2	51.7	54.4	54.4
37.5°	1172.4	788.9	127.9	76.2	54.4	46.2	38.1	40.8	70.7	78.9	78.9
40°	1240.4	788.9	108.8	70.7	49.0	40.8	32.6	51.7	59.8	70.7	70.7
42.5°	1346.5	799.7	103.4	68.0	43.5	35.4	27.2	40.8	73.4	84.3	87.0
45°	1458.0	821.5	97.9	65.3	40.8	29.9	32.6	49.0	57.1	76.2	76.2
47.5°	1613.1	867.8	95.2	62.6	38.1	24.5	29.9	49.0	62.6	81.6	81.6
50°	1781.8	916.7	89.8	59.8	32.6	21.8	46.2	40.8	51.7	84.3	84.3
52.5°	1955.9	973.8	87.0	57.1	29.9	29.9	51.7	49.0	62.6	81.6	84.3
55°	2108.2	1020.1	81.6	57.1	27.2	27.2	54.4	49.0	57.1	76.2	78.9
57.5°	2181.6	1028.2	78.9	54.4	24.5	27.2	51.7	59.8	51.7	62.6	68.0
60°	2274.1	1050.0	70.7	49.0	21.8	35.4	59.8	78.9	70.7	81.6	87.0
62.5°	2361.2	1066.3	62.6	43.5	19.0	38.1	78.9	95.2	76.2	95.2	106.1
65°	2521.7	1101.7	51.7	35.4	16.3	43.5	89.8	114.2	84.3	111.5	111.5
67.5°	2744.7	1158.8	40.8	29.9	16.3	49.0	92.5	130.6	100.6	122.4	119.7
70°	2831.8	1066.3	35.4	27.2	16.3	57.1	100.6	141.5	106.1	136.0	136.0
72.5°	2470.0	769.8	29.9	27.2	27.2	65.3	125.1	155.1	117.0	171.4	168.7
75°	1906.9	484.2	29.9	27.2	32.6	81.6	141.5	165.9	125.1	190.4	187.7
77.5°	1270.4	228.5	29.9	29.9	38.1	89.8	152.3	176.8	138.7	212.2	209.5
80°	497.8	125.1	32.6	32.6	46.2	95.2	163.2	182.3	144.2	228.5	225.8
82.5°	239.4	87.0	32.6	32.6	62.6	106.1	174.1	190.4	149.6	231.2	228.5
85°	204.0	81.6	29.9	35.4	76.2	133.3	185.0	187.7	152.3	220.3	220.3
87.5°	182.3	78.9	29.9	35.4	103.4	155.1	193.1	185.0	163.2	214.9	214.9
90°	187.7	84.3	32.6	40.8	117.0	157.8	195.9	185.0	157.8	198.6	198.6
92.5°	201.3	89.8	35.4	43.5	117.0	146.9	182.3	165.9	146.9	168.7	165.9
95°	212.2	95.2	38.1	49.0	103.4	114.2	152.3	133.3	122.4	130.6	130.6
97.5°	163.2	73.4	43.5	54.4	78.9	68.0	95.2	87.0	65.3	54.4	54.4
100°	43.5	24.5	46.2	54.4	54.4	46.2	70.7	65.3	43.5	19.0	19.0
102.5°	16.3	16.3	43.5	51.7	43.5	35.4	51.7	49.0	35.4	5.4	5.4
105°	16.3	13.6	27.2	40.8	27.2	19.0	27.2	32.6	21.8	5.4	5.4
107.5°	16.3	13.6	16.3	24.5	10.9	8.2	10.9	10.9	10.9	2.7	5.4



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 CATALOG NUMBER: SDL-PA1-60-750-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.3	13.6	8.2	10.9	8.2	8.2	5.4	5.4	8.2	16.3	16.3
115°	16.3	13.6	8.2	8.2	5.4	8.2	5.4	2.7	8.2	19.0	21.8
117.5°	21.8	13.6	5.4	5.4	5.4	5.4	5.4	2.7	8.2	24.5	27.2
120°	27.2	16.3	5.4	5.4	5.4	2.7	5.4	2.7	10.9	24.5	27.2
122.5°	29.9	19.0	5.4	5.4	5.4	2.7	2.7	5.4	10.9	24.5	24.5
125°	29.9	19.0	5.4	5.4	2.7	2.7	2.7	2.7	10.9	24.5	27.2
127.5°	24.5	16.3	5.4	5.4	2.7	2.7	2.7	2.7	10.9	21.8	24.5
130°	21.8	16.3	5.4	5.4	2.7	2.7	2.7	2.7	10.9	19.0	21.8
132.5°	16.3	13.6	5.4	2.7	2.7	2.7	2.7	2.7	10.9	16.3	19.0
135°	13.6	8.2	5.4	2.7	2.7	2.7	2.7	2.7	8.2	16.3	16.3
137.5°	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7	5.4	8.2	8.2
140°	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4
142.5°	2.7	5.4	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
145°	2.7	5.4	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
147.5°	2.7	5.4	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
150°	2.7	5.4	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4
152.5°	2.7	5.4	2.7	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7
155°	10.9	8.2	5.4	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
160°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	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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110°	21.8	21.8	5.4	5.4	5.4	5.4	5.4	5.4	5.4	10.9	19.0
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110°	16.3	13.6	8.2	10.9	8.2	8.2	8.2	5.4	5.4	10.9	10.9
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(END OF REPORT)