

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: P560728

Luminaire Tested: **SDL-PA1-60-740-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
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-SL3-A
Description: Springdale
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6974.2 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G3

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



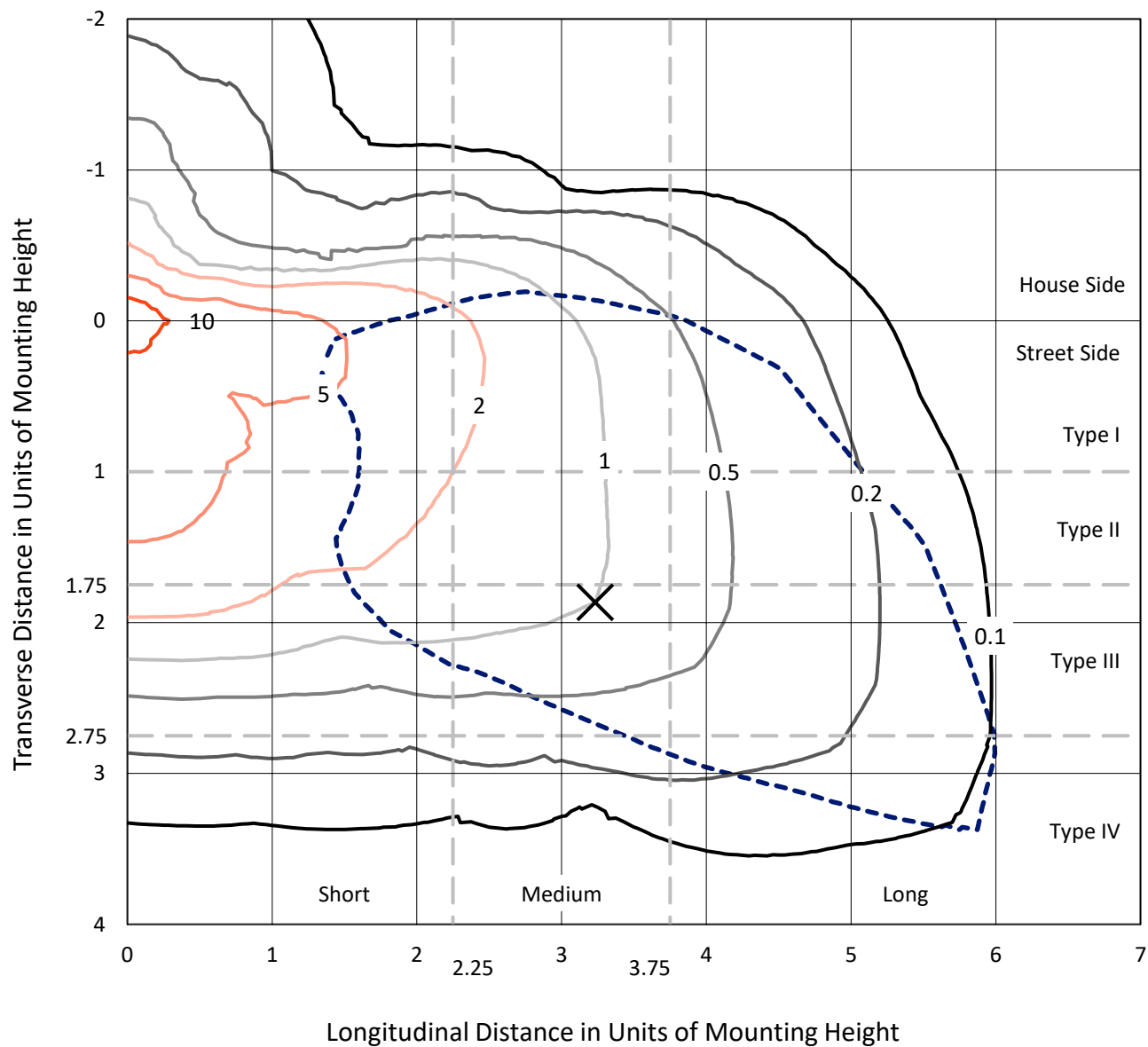
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



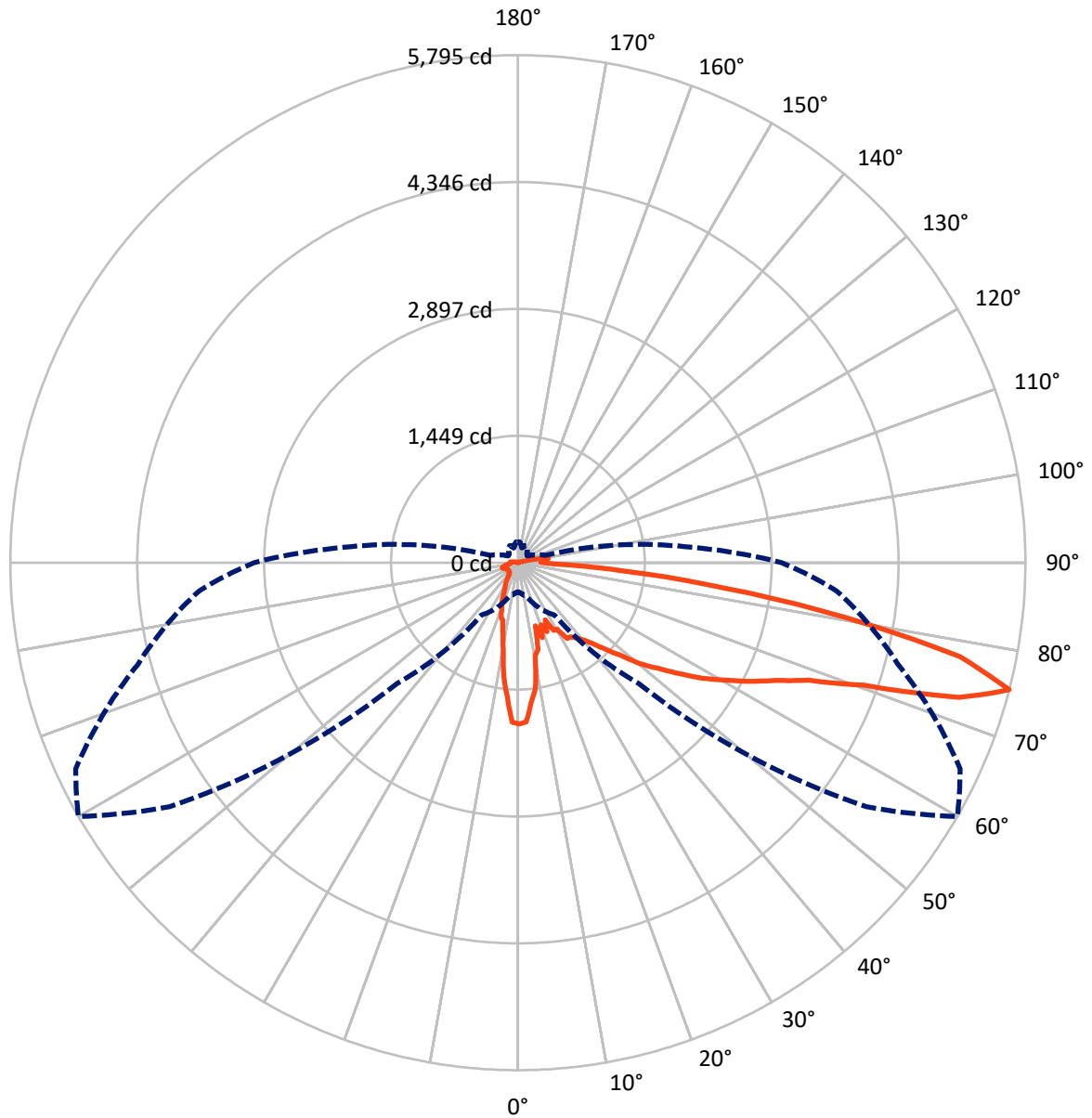
Based on 10 foot mounting height. Maximum calculated value = 18.4 fc

Type III - 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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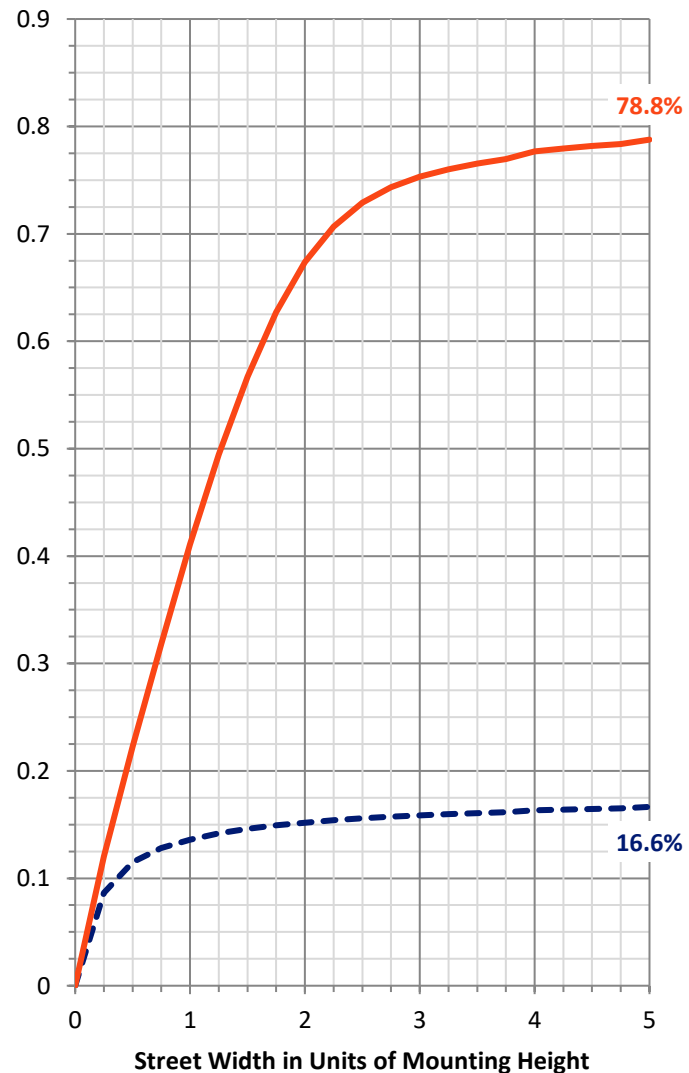
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1224.4	92.8	1317.2
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	5558.9	98.1	5657.0
	% Fixture	79.7	1.4	81.1
Total	Lumens	6783.2	190.9	6974.2
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	1.9
10°-20°	241.2	3.5
20°-30°	312.6	4.5
30°-40°	520.9	7.5
40°-50°	834.0	12.0
50°-60°	1280.5	18.4
60°-70°	1599.9	22.9
70°-80°	1459.3	20.9
80°-90°	399.3	5.7
90°-100°	134.1	1.9
100°-110°	30.5	0.4
110°-120°	9.7	0.1
120°-130°	9.0	0.1
130°-140°	4.3	0.1
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6783.2	97.3
0°-180°	6974.2	100.0



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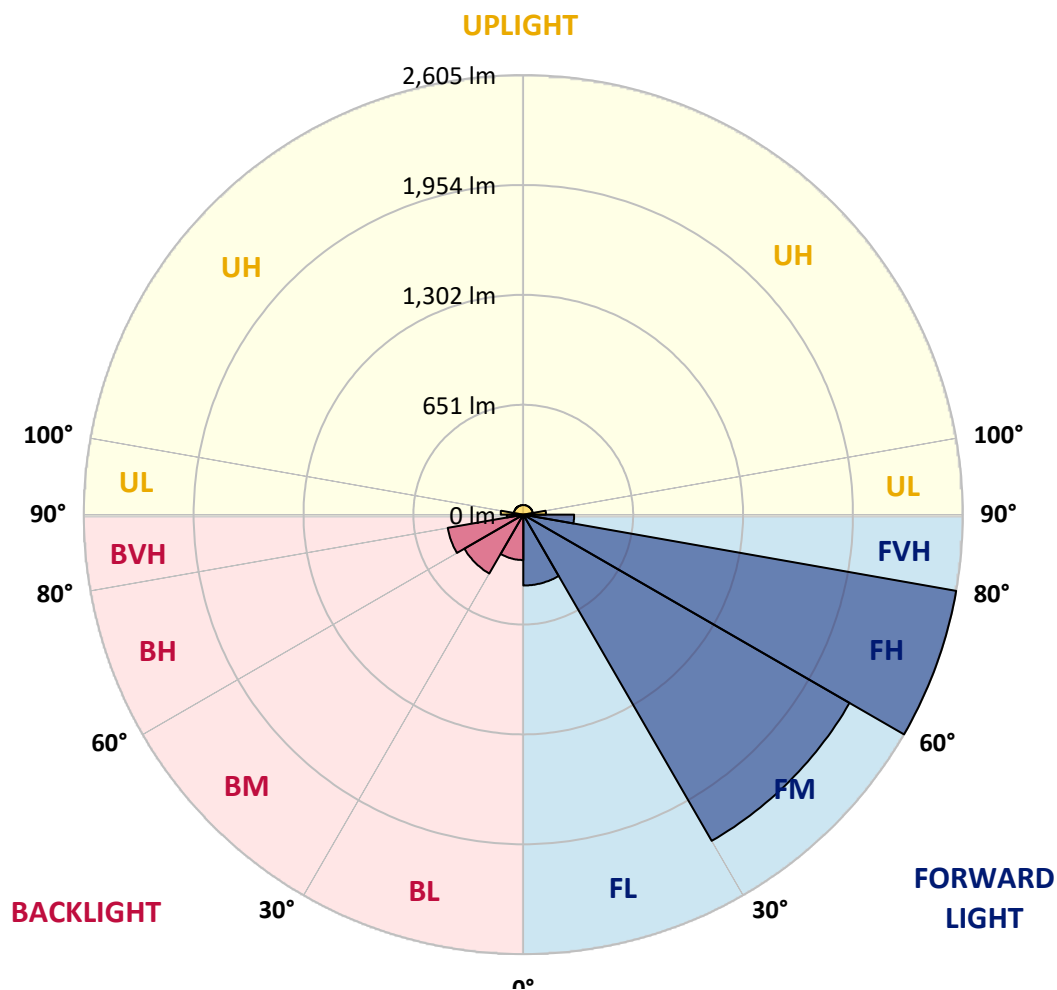
CATALOG NUMBER: SDL-PA1-60-740-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	420.1	6.0			
FM	(30°-60°)	2232.5	32.0			
FH	(60°-80°)	2604.9	37.4			G2/5000
FVH	(80°-90°)	301.3	4.3			G3/500
BL	(0°-30°)	269.2	3.9	B1/500		
BM	(30°-60°)	402.9	5.8	B1/1000		
BH	(60°-80°)	454.3	6.5	B1/500		G1/500
BVH	(80°-90°)	98.0	1.4			G1/100
UL	(90°-100°)	134.1	1.9		U3/500	
UH	(100°-180°)	56.9	0.8		U3/500	

BUG Rating: B1-U3-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8
2.5°	1545.3	1689.4	1675.8	1787.4	1787.4	1811.9	1822.7	1820.0	1830.9	1841.8	1839.1
5°	1422.8	1425.6	1436.4	1460.9	1469.1	1477.2	1504.4	1599.7	1760.2	1798.3	1798.3
7.5°	1175.3	1240.6	1322.2	1335.8	1384.7	1409.2	1439.2	1444.6	1335.8	1531.7	1550.7
10°	1191.6	1194.3	1188.9	1218.8	1183.4	1169.8	1074.6	1080.0	1090.9	1164.4	1311.3
12.5°	933.1	987.5	1104.5	1158.9	1071.9	976.7	971.2	1017.5	1036.5	927.7	1156.2
15°	1066.4	1071.9	1074.6	1077.3	799.8	927.7	810.7	745.4	835.2	1052.8	1197.0
17.5°	835.2	840.6	968.5	965.8	881.4	712.8	881.4	900.5	865.1	895.1	1001.2
20°	979.4	982.1	973.9	756.3	772.6	873.3	759.0	756.3	799.8	1031.1	1164.4
22.5°	805.3	794.4	791.7	865.1	786.2	840.6	737.3	854.2	927.7	919.5	878.7
25°	1009.3	1006.6	965.8	753.6	805.3	712.8	862.4	723.7	802.6	1112.7	1164.4
27.5°	944.0	905.9	837.9	870.6	750.9	835.2	767.2	876.0	925.0	1142.6	1349.4
30°	1221.5	1194.3	1115.4	878.7	829.8	769.9	821.6	878.7	1052.8	1471.8	1542.5
32.5°	1613.3	1583.3	1300.4	1077.3	870.6	911.4	865.1	1031.1	1161.7	1501.7	1556.1
35°	1733.0	1692.2	1553.4	1305.8	998.4	968.5	922.3	1039.2	1178.0	1580.6	1580.6
37.5°	1801.0	1798.3	1733.0	1441.9	1126.3	1110.0	993.0	1090.9	1243.3	1656.8	1640.5
40°	1811.9	1825.5	1855.4	1561.6	1278.6	1243.3	1085.5	1161.7	1335.8	1749.3	1716.6
42.5°	1901.6	1926.1	1994.1	1719.4	1431.0	1398.3	1194.3	1265.0	1436.4	1885.3	1877.2
45°	2045.8	2070.3	2130.2	1893.5	1564.3	1542.5	1371.1	1414.7	1599.7	2124.7	2048.6
47.5°	2345.1	2350.5	2326.0	2037.7	1708.5	1708.5	1542.5	1583.3	1746.6	2345.1	2271.6
50°	2644.3	2611.7	2502.9	2209.1	1852.7	1893.5	1719.4	1814.6	1912.5	2568.2	2467.5
52.5°	2810.3	2804.9	2657.9	2339.6	1977.8	2056.7	1923.4	2005.0	2064.9	2794.0	2652.5
55°	2815.7	2807.6	2706.9	2402.2	2094.8	2225.4	2127.4	2233.5	2277.1	2970.8	2905.5
57.5°	2726.0	2747.7	2696.0	2437.6	2151.9	2388.6	2375.0	2489.3	2511.0	3180.3	3079.6
60°	2584.5	2581.8	2644.3	2470.2	2239.0	2543.7	2603.5	2720.5	2837.5	3340.8	3234.7
62.5°	2230.8	2255.3	2432.1	2470.2	2334.2	2745.0	2859.3	2981.7	3125.9	3487.7	3373.4
65°	1746.6	1760.2	2037.7	2290.7	2361.4	3014.3	3117.7	3240.1	3392.5	3637.3	3528.5
67.5°	1055.6	1145.3	1384.7	1885.3	2222.7	3338.1	3528.5	3580.2	3667.3	3806.0	3757.0
70°	601.2	628.4	742.7	1186.1	1855.4	3441.5	4284.8	4192.3	4102.5	4135.2	4042.7
72.5°	457.0	473.4	525.1	701.9	1110.0	3038.8	4921.4	5264.2	4877.9	4478.0	4034.5
75°	331.9	348.2	399.9	565.9	729.1	1947.9	4856.1	5794.7	5571.6	4494.3	3648.2
77.5°	206.8	209.5	239.4	481.5	655.6	976.7	3800.6	5160.8	5258.8	4197.8	3025.2
80°	144.2	146.9	152.3	258.4	604.0	783.5	2551.8	3789.7	3928.4	2921.8	1542.5
82.5°	103.4	108.8	114.3	152.3	391.8	748.1	1588.8	2385.9	2103.0	1058.3	625.7
85°	54.4	59.9	73.5	92.5	157.8	813.4	952.2	1213.4	960.3	429.8	372.7
87.5°	21.8	19.0	16.3	24.5	43.5	312.9	370.0	408.1	315.6	242.1	296.5
90°	19.0	16.3	10.9	13.6	19.0	111.5	234.0	261.2	217.6	236.7	299.3
92.5°	19.0	16.3	10.9	10.9	19.0	111.5	280.2	285.7	225.8	242.1	312.9
95°	19.0	19.0	10.9	10.9	19.0	100.7	331.9	326.5	234.0	255.7	331.9
97.5°	19.0	19.0	8.2	10.9	19.0	68.0	342.8	353.7	228.5	182.3	274.8
100°	19.0	19.0	8.2	8.2	16.3	43.5	239.4	258.4	168.7	59.9	68.0
102.5°	19.0	19.0	8.2	8.2	10.9	29.9	106.1	127.9	100.7	19.0	21.8
105°	19.0	21.8	5.4	5.4	8.2	16.3	46.2	51.7	40.8	13.6	24.5
107.5°	21.8	24.5	5.4	5.4	5.4	8.2	16.3	19.0	10.9	10.9	24.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	19.0	16.3	2.7	5.4	5.4	5.4	5.4	5.4	5.4	10.9	27.2
115°	10.9	8.2	2.7	5.4	5.4	5.4	2.7	5.4	8.2	10.9	24.5
117.5°	10.9	8.2	2.7	2.7	2.7	5.4	2.7	2.7	8.2	13.6	29.9
120°	8.2	8.2	2.7	2.7	2.7	2.7	2.7	5.4	5.4	19.0	40.8
122.5°	8.2	8.2	2.7	2.7	2.7	2.7	2.7	5.4	5.4	19.0	40.8
125°	10.9	10.9	5.4	2.7	2.7	2.7	2.7	5.4	5.4	16.3	38.1
127.5°	8.2	8.2	5.4	2.7	2.7	2.7	2.7	5.4	5.4	13.6	29.9
130°	8.2	8.2	5.4	2.7	2.7	2.7	2.7	5.4	2.7	13.6	24.5
132.5°	8.2	8.2	5.4	2.7	2.7	2.7	2.7	2.7	2.7	8.2	19.0
135°	8.2	8.2	5.4	2.7	2.7	2.7	2.7	2.7	2.7	5.4	13.6
137.5°	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4
140°	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	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	5.4	2.7	2.7	2.7	2.7	2.7
150°	5.4	5.4	10.9	8.2	5.4	2.7	2.7	2.7	2.7	2.7	2.7
152.5°	10.9	10.9	10.9	8.2	2.7	2.7	5.4	8.2	2.7	2.7	2.7
155°	8.2	8.2	8.2	2.7	2.7	2.7	2.7	2.7	5.4	8.2	8.2
157.5°	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	2.7	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°	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8
2.5°	1830.9	1836.3	1830.9	1825.5	1820.0	1803.7	1692.2	1556.1	1545.3	1556.1	1550.7
5°	1784.7	1784.7	1781.9	1594.2	1482.7	1450.0	1441.9	1433.7	1417.4	1409.2	1414.7
7.5°	1539.8	1531.7	1436.4	1267.8	1373.9	1335.8	1314.0	1303.1	1139.9	1080.0	1085.5
10°	1286.8	1286.8	1069.2	1009.3	1003.9	1020.2	1131.7	1123.6	1101.8	1088.2	1101.8
12.5°	1110.0	1156.2	848.8	908.7	737.3	816.2	892.3	946.7	780.8	734.5	742.7
15°	1178.0	1161.7	933.1	712.8	650.2	685.6	549.5	688.3	677.4	655.6	652.9
17.5°	1028.4	944.0	778.1	669.2	642.0	484.3	470.6	487.0	446.2	408.1	427.1
20°	1118.1	1071.9	824.3	595.8	495.1	440.7	331.9	310.1	394.5	413.5	410.8
22.5°	933.1	778.1	674.7	593.1	399.9	315.6	250.3	274.8	293.8	312.9	321.0
25°	1096.4	1012.0	737.3	443.4	323.7	231.2	225.8	204.0	307.4	350.9	348.2
27.5°	1265.0	1145.3	710.1	416.2	234.0	198.6	182.3	206.8	214.9	242.1	258.4
30°	1414.7	1270.5	821.6	386.3	195.9	149.6	163.2	168.7	209.5	225.8	225.8
32.5°	1409.2	1235.1	734.5	329.2	160.5	136.0	136.0	160.5	185.0	223.1	225.8
35°	1406.5	1207.9	655.6	255.7	141.5	119.7	125.1	152.3	185.0	206.8	209.5
37.5°	1439.2	1199.7	576.7	206.8	127.9	114.3	119.7	144.2	198.6	220.4	220.4
40°	1488.1	1205.2	497.9	176.8	122.4	111.5	114.3	152.3	179.6	198.6	198.6
42.5°	1637.8	1284.1	429.8	163.2	122.4	108.8	108.8	141.5	182.3	214.9	217.6
45°	1749.3	1346.7	378.2	163.2	119.7	103.4	114.3	141.5	160.5	236.7	253.0
47.5°	1928.8	1460.9	329.2	163.2	119.7	100.7	106.1	138.7	168.7	272.1	282.9
50°	2108.4	1575.2	307.4	163.2	119.7	97.9	119.7	133.3	168.7	282.9	291.1
52.5°	2298.8	1716.6	293.8	163.2	119.7	103.4	130.6	160.5	182.3	253.0	250.3
55°	2494.7	1841.8	285.7	168.7	119.7	103.4	141.5	149.6	155.1	195.9	201.3
57.5°	2677.0	1994.1	302.0	168.7	117.0	108.8	133.3	146.9	136.0	171.4	174.1
60°	2821.2	2132.9	342.8	163.2	114.3	108.8	136.0	160.5	152.3	187.7	193.2
62.5°	2987.1	2279.8	438.0	166.0	114.3	111.5	152.3	174.1	155.1	185.0	195.9
65°	3204.8	2502.9	544.1	182.3	117.0	117.0	155.1	187.7	155.1	182.3	182.3
67.5°	3449.6	2709.6	544.1	212.2	125.1	125.1	155.1	198.6	166.0	182.3	182.3
70°	3629.2	2720.5	448.9	234.0	136.0	133.3	160.5	206.8	168.7	201.3	198.6
72.5°	3430.6	2424.0	372.7	231.2	146.9	138.7	182.3	212.2	171.4	228.5	225.8
75°	3011.6	1999.6	323.7	206.8	133.3	141.5	190.4	217.6	174.1	239.4	234.0
77.5°	2375.0	1458.2	274.8	174.1	117.0	136.0	195.9	223.1	179.6	253.0	250.3
80°	1150.8	731.8	223.1	146.9	106.1	130.6	195.9	220.4	176.8	261.2	261.2
82.5°	519.6	364.5	152.3	100.7	106.1	133.3	201.3	223.1	176.8	255.7	253.0
85°	337.3	250.3	97.9	78.9	106.1	152.3	204.0	212.2	168.7	236.7	236.7
87.5°	253.0	174.1	51.7	49.0	117.0	166.0	204.0	195.9	163.2	223.1	217.6
90°	258.4	185.0	54.4	49.0	125.1	168.7	204.0	193.2	157.8	201.3	201.3
92.5°	280.2	204.0	62.6	54.4	127.9	152.3	193.2	174.1	146.9	174.1	171.4
95°	304.7	228.5	73.5	62.6	111.5	111.5	152.3	141.5	125.1	133.3	133.3
97.5°	223.1	163.2	65.3	68.0	84.3	70.7	100.7	95.2	65.3	59.9	57.1
100°	65.3	54.4	59.9	65.3	59.9	51.7	76.2	73.5	43.5	21.8	21.8
102.5°	24.5	27.2	54.4	59.9	46.2	38.1	54.4	59.9	35.4	5.4	8.2
105°	21.8	19.0	38.1	46.2	27.2	21.8	27.2	38.1	21.8	5.4	5.4
107.5°	24.5	19.0	19.0	24.5	10.9	10.9	10.9	13.6	8.2	5.4	5.4



REPORT NUMBER: P560728

CATALOG NUMBER: SDL-PA1-60-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.5	19.0	10.9	10.9	8.2	8.2	5.4	5.4	8.2	13.6	13.6
115°	27.2	21.8	10.9	8.2	5.4	8.2	5.4	2.7	8.2	19.0	19.0
117.5°	32.6	24.5	8.2	8.2	5.4	5.4	5.4	2.7	8.2	24.5	27.2
120°	40.8	29.9	10.9	5.4	5.4	5.4	5.4	2.7	10.9	27.2	29.9
122.5°	40.8	32.6	10.9	5.4	5.4	2.7	2.7	5.4	10.9	27.2	29.9
125°	38.1	29.9	10.9	5.4	5.4	2.7	2.7	2.7	13.6	27.2	29.9
127.5°	29.9	27.2	10.9	5.4	2.7	2.7	2.7	5.4	10.9	24.5	24.5
130°	24.5	21.8	8.2	5.4	2.7	2.7	2.7	2.7	10.9	19.0	21.8
132.5°	19.0	16.3	8.2	5.4	2.7	2.7	2.7	2.7	10.9	19.0	19.0
135°	13.6	13.6	5.4	2.7	2.7	2.7	2.7	2.7	8.2	13.6	16.3
137.5°	5.4	5.4	5.4	2.7	2.7	2.7	2.7	2.7	5.4	8.2	8.2
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	5.4	5.4
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4
145°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	5.4	5.4
155°	8.2	8.2	8.2	5.4	2.7	0.0	0.0	0.0	2.7	2.7	5.4
157.5°	2.7	2.7	2.7	2.7	2.7	2.7	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°	24.5	24.5	5.4	5.4	5.4	8.2	5.4	5.4	8.2	10.9	27.2
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110°	24.5	19.0	10.9	10.9	8.2	8.2	8.2	5.4	5.4	5.4	5.4
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