

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: P560590

Luminaire Tested: **SDL-PA1-50-750-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-750-U-T4W-A
Description: Springdale
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5934.9 lumens
Efficiency: N/A
Efficacy: 113.3 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 - G3

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

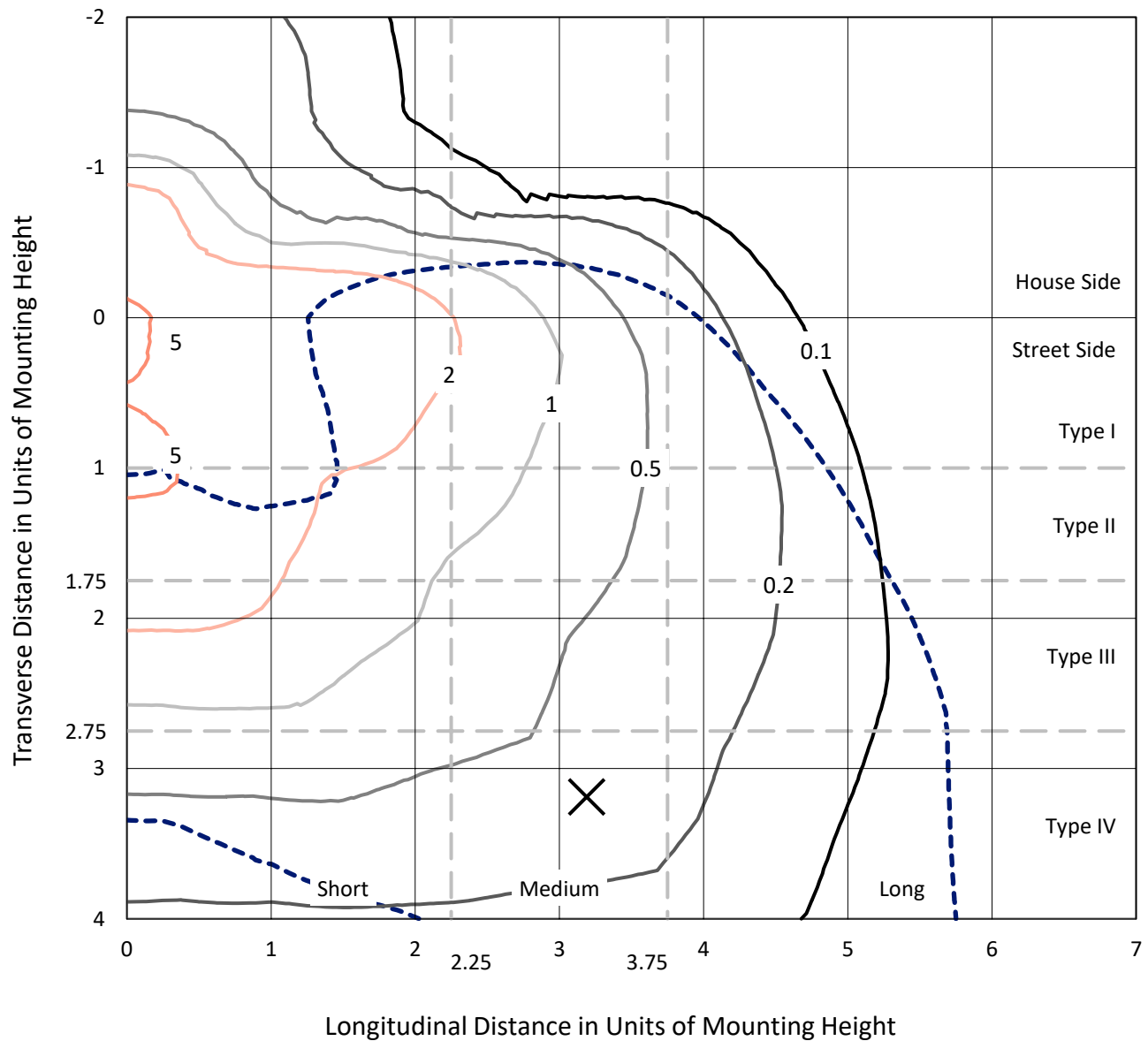


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

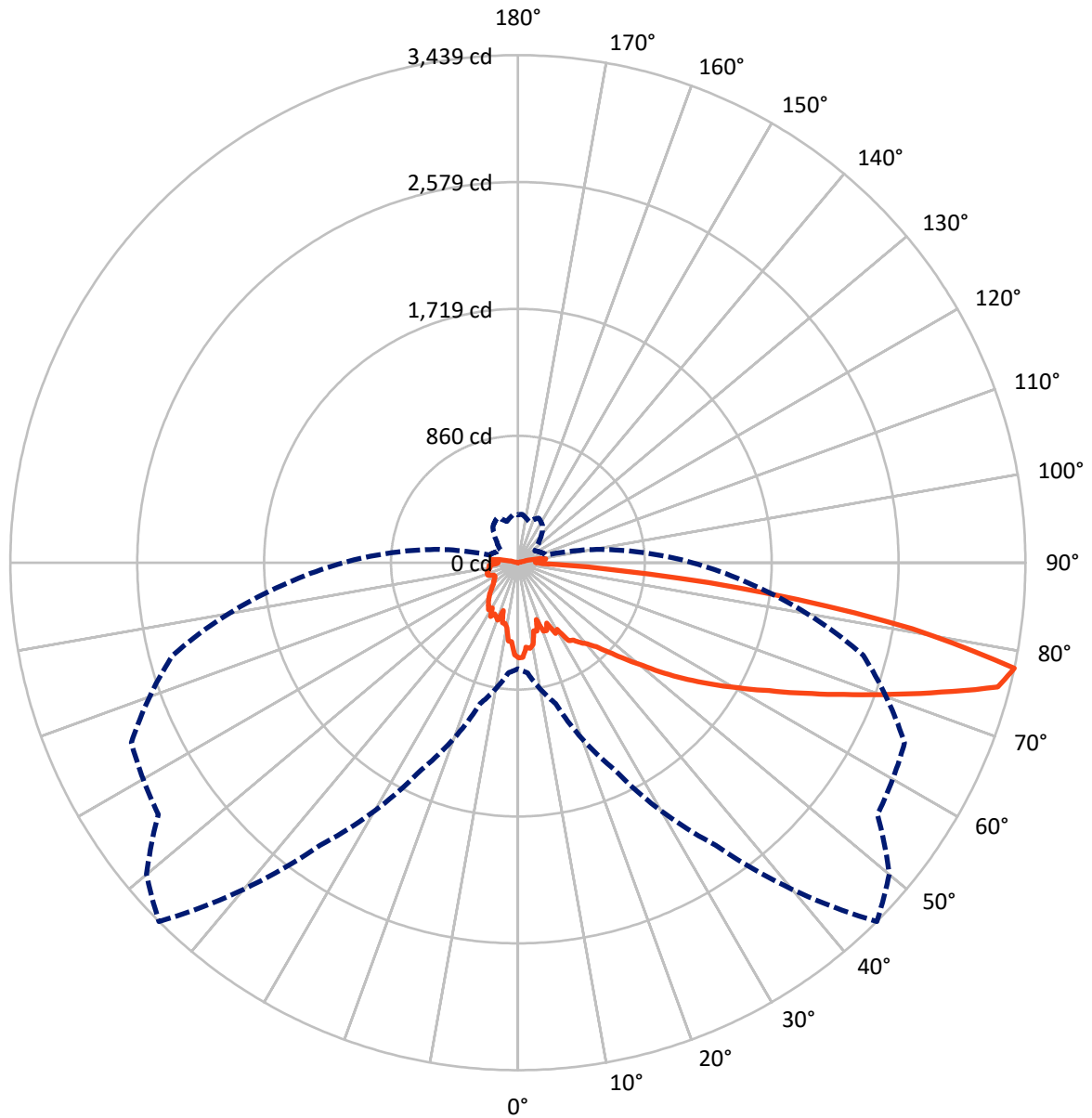


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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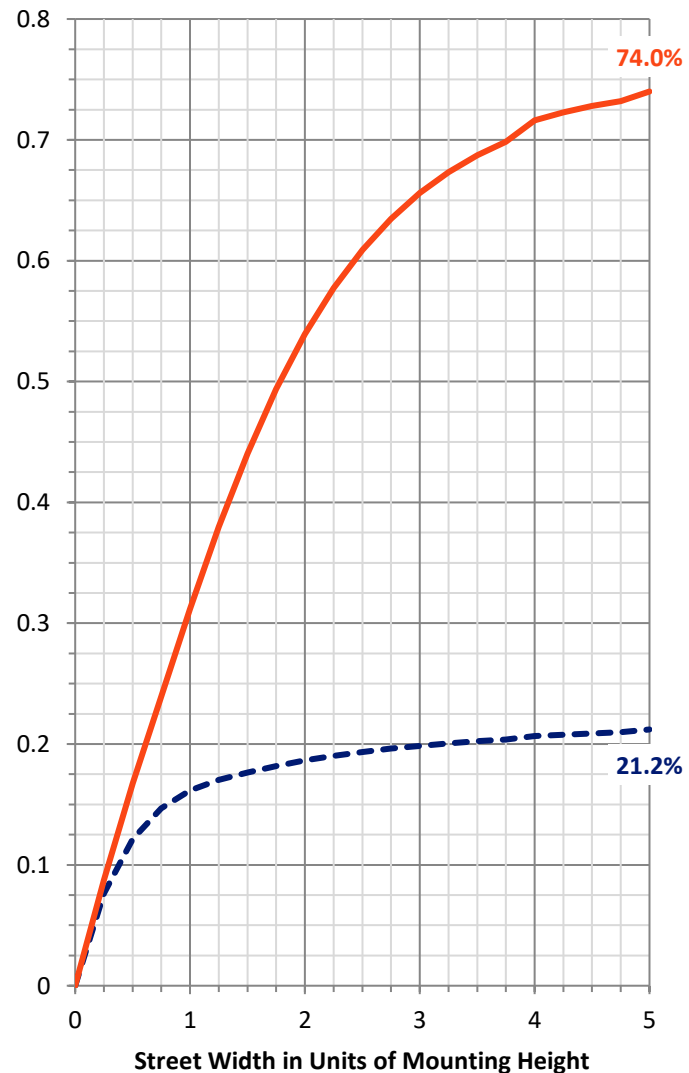
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1328.4	99.1	1427.4
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	4427.3	80.1	4507.4
	% Fixture	74.6	1.4	75.9
Total	Lumens	5755.7	179.2	5934.9
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	0.9
10°-20°	132.7	2.2
20°-30°	229.5	3.9
30°-40°	406.7	6.9
40°-50°	630.4	10.6
50°-60°	1014.9	17.1
60°-70°	1492.5	25.1
70°-80°	1437.0	24.2
80°-90°	358.4	6.0
90°-100°	133.6	2.3
100°-110°	29.6	0.5
110°-120°	6.4	0.1
120°-130°	5.3	0.1
130°-140°	2.3	0.0
140°-150°	1.0	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5755.7	97.0
0°-180°	5934.9	100.0



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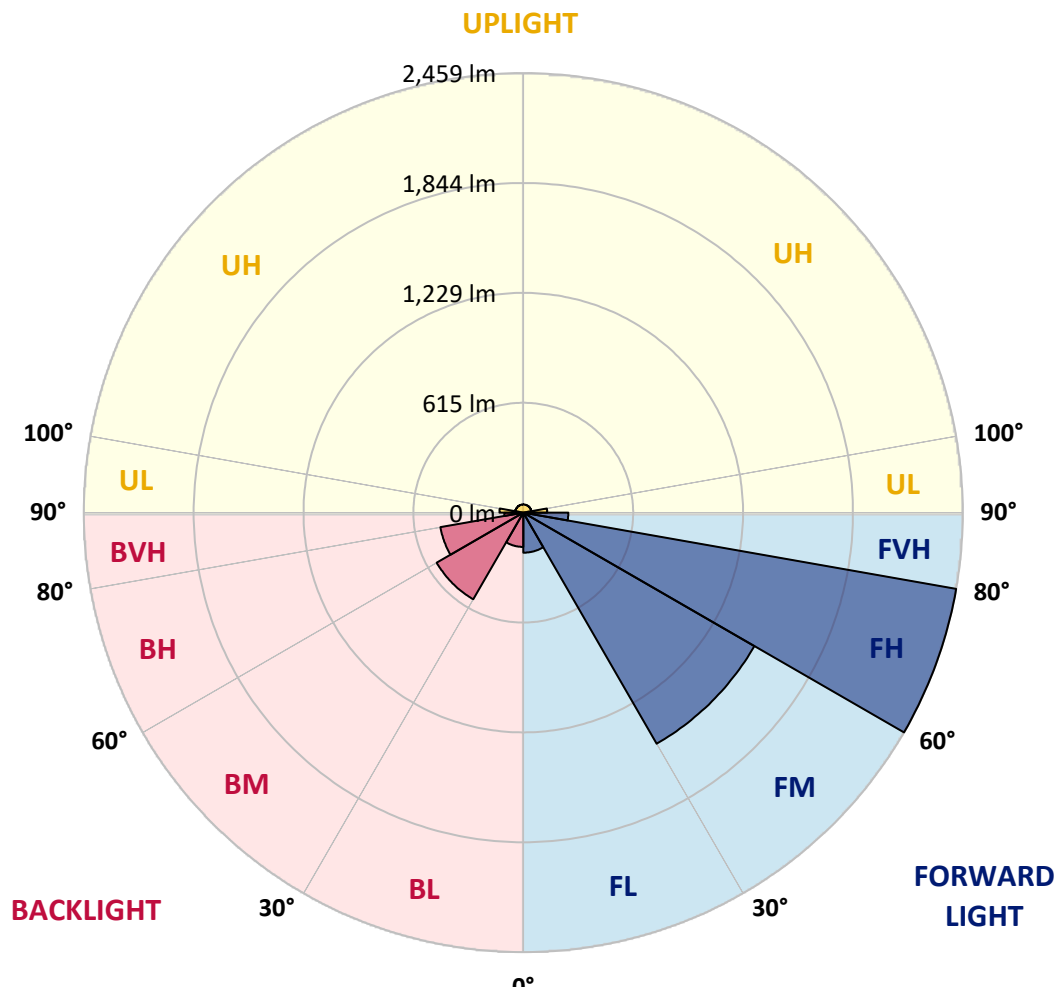
CATALOG NUMBER: SDL-PA1-50-750-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.0	3.8			
FM	(30°-60°)	1492.7	25.2			
FH	(60°-80°)	2458.9	41.4			G2/5000
FVH	(80°-90°)	251.7	4.2			G3/500
BL	(0°-30°)	191.7	3.2	B1/500		
BM	(30°-60°)	559.3	9.4	B1/1000		
BH	(60°-80°)	470.7	7.9	B1/500		G1/500
BVH	(80°-90°)	106.7	1.8			G2/225
UL	(90°-100°)	133.6	2.3		U3/500	
UH	(100°-180°)	45.6	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3
2.5°	585.9	642.0	632.6	639.6	639.6	642.0	644.3	644.3	646.6	644.3	644.3
5°	597.6	595.3	590.6	585.9	581.3	574.3	574.3	574.3	630.3	635.0	630.3
7.5°	557.9	606.9	602.3	592.9	592.9	585.9	576.6	567.3	550.9	546.3	553.3
10°	630.3	628.0	621.0	606.9	555.6	564.9	506.6	457.5	438.9	450.5	480.9
12.5°	560.3	599.9	616.3	616.3	550.9	473.9	422.5	450.5	434.2	387.5	422.5
15°	660.6	656.0	637.3	606.9	483.2	480.9	452.9	396.9	403.9	438.9	471.6
17.5°	564.9	564.9	632.6	578.9	497.2	403.9	401.5	445.9	408.5	389.8	408.5
20°	681.7	679.3	658.3	480.9	501.9	494.9	408.5	455.2	389.8	448.2	490.2
22.5°	578.9	574.3	606.9	576.6	478.6	499.6	382.8	431.9	464.5	410.9	380.5
25°	681.7	686.3	677.0	513.6	543.9	452.9	462.2	492.6	427.2	520.6	541.6
27.5°	599.9	599.9	574.3	574.3	504.2	543.9	434.2	462.2	508.9	562.6	660.6
30°	735.3	737.7	721.3	553.3	557.9	522.9	504.2	536.9	611.6	730.7	775.0
32.5°	898.8	898.8	772.7	660.6	560.3	630.3	532.2	585.9	693.3	754.0	812.4
35°	1001.5	989.8	933.8	742.3	604.6	644.3	602.3	623.3	719.0	807.7	849.7
37.5°	1148.5	1143.9	1087.8	814.7	649.0	686.3	625.6	649.0	765.7	847.4	896.4
40°	1351.6	1328.3	1279.3	940.8	702.7	723.7	653.6	681.7	821.7	898.8	957.1
42.5°	1512.7	1517.4	1482.4	1090.2	791.4	777.4	702.7	723.7	882.4	978.1	1043.5
45°	1662.1	1657.4	1664.4	1269.9	901.1	863.7	789.0	791.4	959.4	1076.2	1164.9
47.5°	1764.8	1762.5	1778.8	1438.0	1041.2	973.5	884.7	875.4	1048.2	1244.2	1330.6
50°	1888.5	1881.5	1872.2	1617.8	1199.9	1092.5	1010.8	978.1	1162.5	1433.3	1540.7
52.5°	2040.3	2023.9	1993.6	1757.8	1375.0	1244.2	1153.2	1108.8	1316.6	1645.8	1783.5
55°	2185.0	2161.7	2136.0	1914.2	1536.0	1396.0	1297.9	1272.3	1517.4	1865.2	2042.6
57.5°	2327.4	2315.7	2294.7	2122.0	1741.5	1554.7	1445.0	1440.3	1750.8	2077.6	2320.4
60°	2460.5	2441.8	2469.8	2346.1	1932.9	1722.8	1606.1	1641.1	2007.6	2290.1	2628.6
62.5°	2542.2	2535.2	2595.9	2551.5	2110.3	1909.6	1790.5	1851.2	2255.0	2497.8	2901.7
65°	2420.8	2439.5	2679.9	2679.9	2315.7	2131.3	2014.6	2052.0	2488.5	2707.9	3151.5
67.5°	2199.0	2224.7	2551.5	2752.3	2500.2	2381.1	2259.7	2280.7	2696.3	2878.3	3354.6
70°	2009.9	2028.6	2332.1	2756.9	2616.9	2670.6	2495.5	2476.8	2857.3	3020.7	3429.3
72.5°	1844.2	1869.9	2119.7	2728.9	2731.3	2999.7	2775.6	2663.6	3004.4	3074.4	3191.2
75°	1461.3	1449.7	1732.1	2399.8	2768.6	3359.2	3104.8	2871.3	3076.8	2890.0	2502.5
77.5°	719.0	749.3	987.5	1545.4	2336.8	3438.6	3284.5	2974.0	2890.0	2420.8	1561.7
80°	212.4	219.4	275.5	553.3	1342.3	2707.9	2712.6	2460.5	2173.3	1414.7	705.0
82.5°	119.1	121.4	158.7	240.4	550.9	1715.8	1785.8	1477.7	961.8	522.9	352.5
85°	63.0	65.4	81.7	126.1	280.1	684.0	726.0	564.9	464.5	340.8	259.1
87.5°	30.3	30.3	28.0	42.0	102.7	165.7	184.4	210.1	186.8	175.1	214.8
90°	25.7	25.7	21.0	23.3	56.0	119.1	144.7	161.1	147.1	161.1	235.8
92.5°	28.0	28.0	21.0	23.3	60.7	133.1	158.7	179.8	156.4	172.7	261.5
95°	25.7	28.0	18.7	21.0	60.7	163.4	191.4	196.1	161.1	189.1	280.1
97.5°	21.0	21.0	14.0	16.3	53.7	191.4	210.1	203.1	142.4	144.7	224.1
100°	16.3	16.3	9.3	14.0	37.4	154.1	179.8	170.4	93.4	23.3	56.0
102.5°	14.0	14.0	7.0	11.7	16.3	74.7	95.7	93.4	56.0	14.0	11.7
105°	14.0	14.0	7.0	9.3	9.3	21.0	32.7	42.0	23.3	7.0	11.7
107.5°	14.0	14.0	7.0	4.7	4.7	9.3	11.7	11.7	11.7	7.0	14.0



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CATALOG NUMBER: SDL-PA1-50-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	14.0	14.0	4.7	4.7	2.3	4.7	4.7	4.7	4.7	7.0	14.0
115°	11.7	11.7	2.3	4.7	2.3	2.3	4.7	2.3	4.7	4.7	11.7
117.5°	11.7	9.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	14.0
120°	11.7	11.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	9.3	16.3
122.5°	11.7	11.7	4.7	2.3	0.0	2.3	2.3	2.3	4.7	9.3	18.7
125°	14.0	11.7	4.7	2.3	0.0	0.0	2.3	2.3	2.3	9.3	16.3
127.5°	11.7	9.3	4.7	2.3	0.0	0.0	2.3	2.3	2.3	7.0	14.0
130°	11.7	9.3	4.7	0.0	0.0	0.0	2.3	2.3	2.3	7.0	11.7
132.5°	9.3	7.0	4.7	0.0	0.0	0.0	2.3	2.3	2.3	4.7	9.3
135°	7.0	7.0	2.3	0.0	2.3	0.0	2.3	2.3	2.3	2.3	7.0
137.5°	4.7	4.7	2.3	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
140°	2.3	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	7.0	7.0	7.0	4.7	2.3	2.3	2.3	4.7	2.3	2.3	2.3
152.5°	7.0	7.0	7.0	4.7	0.0	0.0	2.3	2.3	4.7	2.3	2.3
155°	4.7	4.7	4.7	0.0	0.0	0.0	2.3	2.3	2.3	4.7	4.7
157.5°	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
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°	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3
2.5°	642.0	639.6	637.3	635.0	630.3	625.6	614.0	564.9	564.9	567.3	567.3
5°	630.3	628.0	621.0	576.6	550.9	536.9	541.6	541.6	541.6	543.9	548.6
7.5°	550.9	548.6	515.9	513.6	522.9	534.6	541.6	529.9	506.6	506.6	506.6
10°	480.9	478.6	420.2	408.5	420.2	448.2	520.6	534.6	543.9	546.3	550.9
12.5°	420.2	413.2	361.8	399.2	373.5	420.2	485.6	539.3	490.2	480.9	480.9
15°	466.9	464.5	403.9	350.2	352.5	420.2	385.2	506.6	534.6	539.3	541.6
17.5°	408.5	403.9	371.2	368.8	389.8	338.5	427.2	483.2	459.9	466.9	466.9
20°	487.9	485.6	424.9	352.5	347.8	413.2	378.2	438.9	522.9	539.3	541.6
22.5°	378.2	378.2	389.8	413.2	375.8	394.5	403.9	464.5	448.2	457.5	485.6
25°	536.9	532.2	471.6	371.2	403.9	380.5	422.5	441.2	518.2	536.9	541.6
27.5°	651.3	639.6	506.6	417.9	364.2	408.5	406.2	427.2	438.9	511.2	520.6
30°	768.0	756.4	651.3	469.2	378.2	352.5	387.5	457.5	527.6	539.3	548.6
32.5°	810.0	800.7	665.3	497.2	380.5	375.8	385.2	457.5	578.9	625.6	635.0
35°	854.4	842.7	679.3	485.6	371.2	350.2	364.2	471.6	576.6	606.9	614.0
37.5°	908.1	887.1	695.7	462.2	345.5	331.5	347.8	429.5	548.6	578.9	583.6
40°	975.8	954.8	716.7	436.5	319.8	308.1	317.5	399.2	480.9	506.6	518.2
42.5°	1078.5	1038.8	726.0	415.5	296.5	284.8	294.1	359.5	422.5	438.9	445.9
45°	1211.6	1141.5	740.0	387.5	275.5	259.1	273.1	329.2	359.5	359.5	359.5
47.5°	1375.0	1262.9	747.0	364.2	249.8	235.8	249.8	298.8	315.1	305.8	303.5
50°	1575.7	1417.0	782.0	336.2	228.8	217.1	240.4	263.8	270.8	275.5	275.5
52.5°	1811.5	1594.4	803.0	308.1	214.8	207.8	231.1	247.4	249.8	254.5	254.5
55°	2068.3	1788.2	814.7	282.5	205.4	196.1	221.8	238.1	238.1	242.8	242.8
57.5°	2334.4	2012.3	845.1	263.8	196.1	186.8	212.4	240.4	231.1	240.4	242.8
60°	2614.5	2220.0	819.4	245.1	182.1	179.8	214.8	256.8	254.5	266.1	268.5
62.5°	2878.3	2385.8	705.0	228.8	172.7	182.1	240.4	289.5	282.5	301.1	301.1
65°	3027.7	2441.8	518.2	219.4	165.7	196.1	266.1	322.1	298.8	308.1	303.5
67.5°	3060.4	2385.8	373.5	207.8	163.4	219.4	284.8	329.2	296.5	305.8	305.8
70°	2983.4	2255.0	301.1	198.4	161.1	221.8	289.5	329.2	298.8	319.8	315.1
72.5°	2635.6	1918.9	256.8	189.1	161.1	217.1	296.5	331.5	305.8	340.8	333.8
75°	1986.6	1435.7	226.4	179.8	151.7	210.1	301.1	333.8	296.5	333.8	329.2
77.5°	1181.2	819.4	200.8	168.1	140.1	203.1	296.5	333.8	289.5	329.2	324.5
80°	499.6	385.2	170.4	147.1	128.4	193.8	291.8	331.5	277.8	319.8	312.8
82.5°	315.1	261.5	144.7	121.4	126.1	191.4	294.1	326.8	273.1	322.1	298.8
85°	254.5	214.8	123.7	102.7	116.7	196.1	282.5	296.5	235.8	277.8	270.8
87.5°	214.8	179.8	56.0	44.4	86.4	151.7	214.8	221.8	170.4	217.1	207.8
90°	235.8	196.1	53.7	37.4	77.0	133.1	198.4	193.8	163.4	207.8	205.4
92.5°	256.8	207.8	51.4	39.7	86.4	144.7	217.1	196.1	172.7	210.1	207.8
95°	266.1	212.4	49.0	42.0	102.7	158.7	231.1	191.4	182.1	193.8	191.4
97.5°	200.8	154.1	46.7	44.4	107.4	179.8	217.1	161.1	119.1	119.1	116.7
100°	51.4	51.4	42.0	42.0	72.4	130.7	165.7	119.1	67.7	51.4	53.7
102.5°	14.0	16.3	37.4	39.7	39.7	58.4	93.4	77.0	44.4	7.0	7.0
105°	14.0	14.0	25.7	30.3	21.0	18.7	37.4	42.0	32.7	4.7	7.0
107.5°	14.0	14.0	11.7	16.3	7.0	9.3	9.3	11.7	11.7	4.7	4.7



REPORT NUMBER: P560590

CATALOG NUMBER: SDL-PA1-50-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.3	14.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	11.7	11.7
115°	14.0	11.7	7.0	4.7	4.7	4.7	4.7	2.3	4.7	14.0	14.0
117.5°	16.3	14.0	7.0	4.7	2.3	4.7	4.7	2.3	4.7	16.3	16.3
120°	18.7	16.3	7.0	4.7	2.3	2.3	2.3	2.3	7.0	16.3	16.3
122.5°	18.7	18.7	9.3	2.3	2.3	2.3	2.3	2.3	7.0	16.3	16.3
125°	18.7	16.3	7.0	2.3	2.3	2.3	0.0	2.3	7.0	16.3	18.7
127.5°	14.0	14.0	7.0	2.3	2.3	2.3	0.0	2.3	7.0	14.0	16.3
130°	11.7	11.7	4.7	2.3	2.3	2.3	0.0	2.3	7.0	14.0	14.0
132.5°	9.3	9.3	4.7	2.3	2.3	0.0	0.0	0.0	7.0	11.7	11.7
135°	7.0	7.0	2.3	2.3	2.3	0.0	0.0	0.0	4.7	9.3	9.3
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	4.7	4.7
140°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	2.3	4.7	2.3	4.7
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	2.3	4.7	4.7	4.7
155°	4.7	4.7	4.7	2.3	2.3	0.0	0.0	0.0	2.3	4.7	4.7
157.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	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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110°	16.3	16.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	14.0
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110°	16.3	14.0	7.0	7.0	4.7	4.7	4.7	4.7	4.7	9.3	9.3
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(END OF REPORT)