

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: P560640

Luminaire Tested: **SDL-PA1-50-830-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560640
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-PA1-50-830-U-SL3-A
Description: Springdale
(1) 80 CRI, 3000K, 670mA 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: 4757 lumens
Efficiency: N/A
Efficacy: 90.8 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 - G2

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



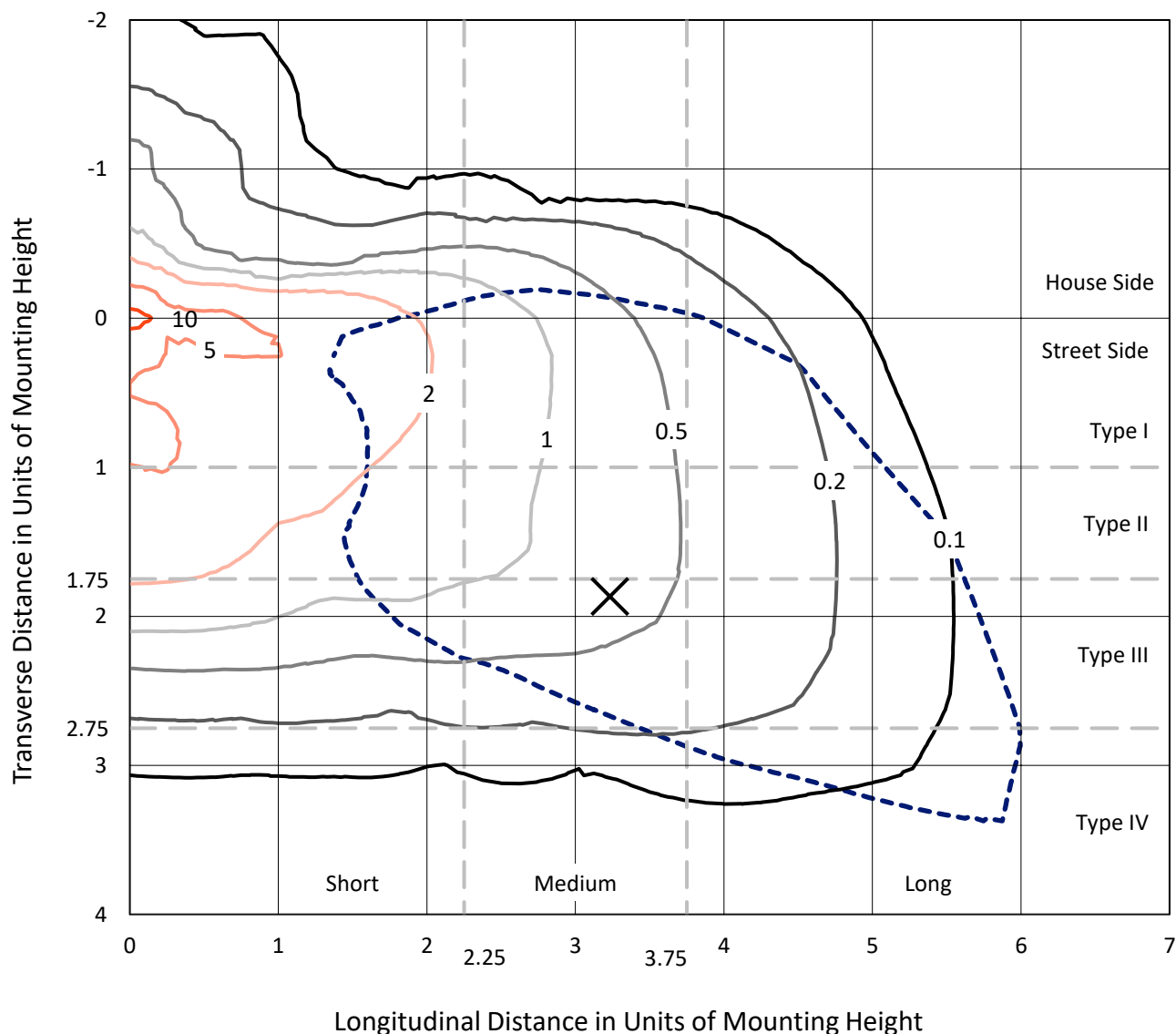
REPORT NUMBER: P560640

CATALOG NUMBER: SDL-PA1-50-830-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

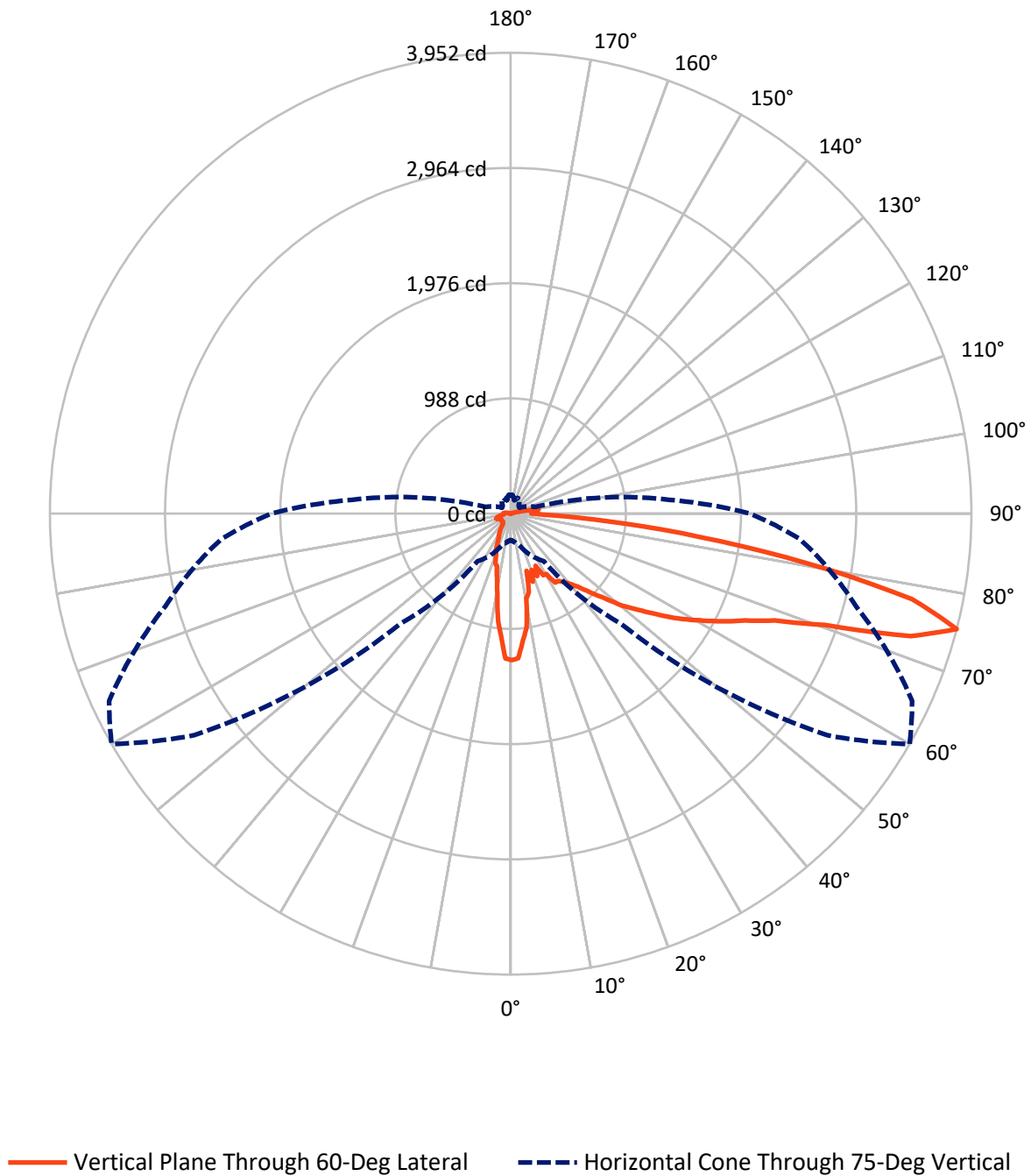


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P560640

CATALOG NUMBER: SDL-PA1-50-830-U-SL3-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560640

CATALOG NUMBER: SDL-PA1-50-830-U-SL3-A

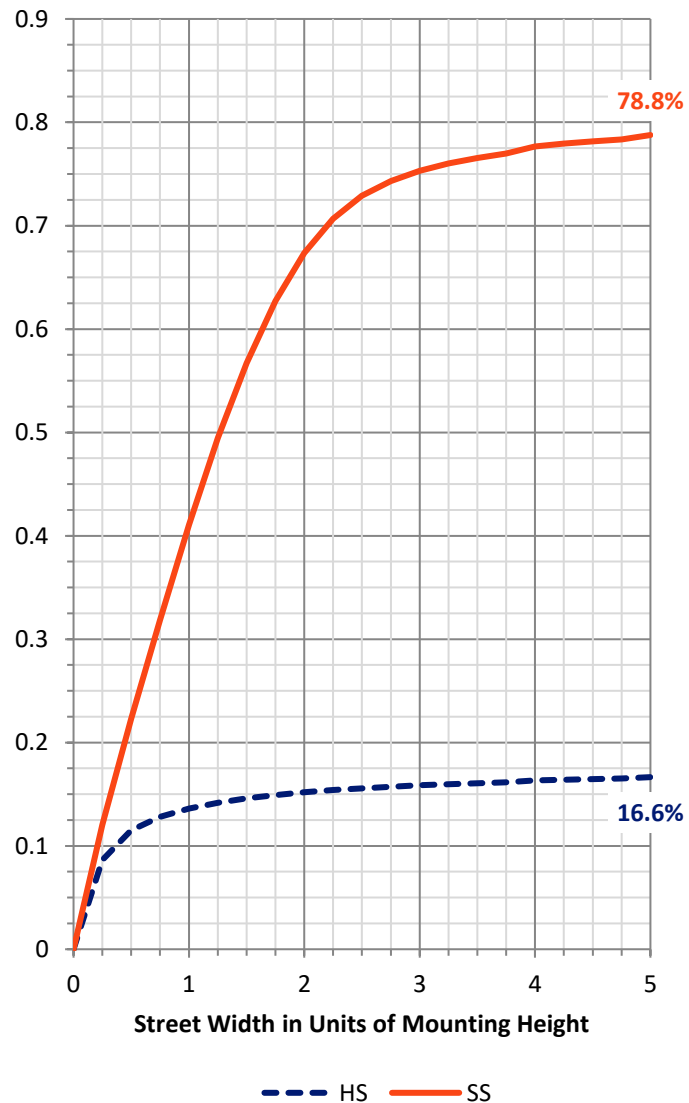
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	835.1	63.3	898.4
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	3791.6	67.0	3858.6
	% Fixture	79.7	1.4	81.1
Total	Lumens	4626.7	130.4	4757.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.9
10°-20°	164.5	3.5
20°-30°	213.2	4.5
30°-40°	355.3	7.5
40°-50°	568.9	12.0
50°-60°	873.4	18.4
60°-70°	1091.3	22.9
70°-80°	995.3	20.9
80°-90°	272.4	5.7
90°-100°	91.4	1.9
100°-110°	20.8	0.4
110°-120°	6.6	0.1
120°-130°	6.2	0.1
130°-140°	2.9	0.1
140°-150°	1.2	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4626.7	97.3
0°-180°	4757.0	100.0

Coefficient of Utilization



REPORT NUMBER: P560640

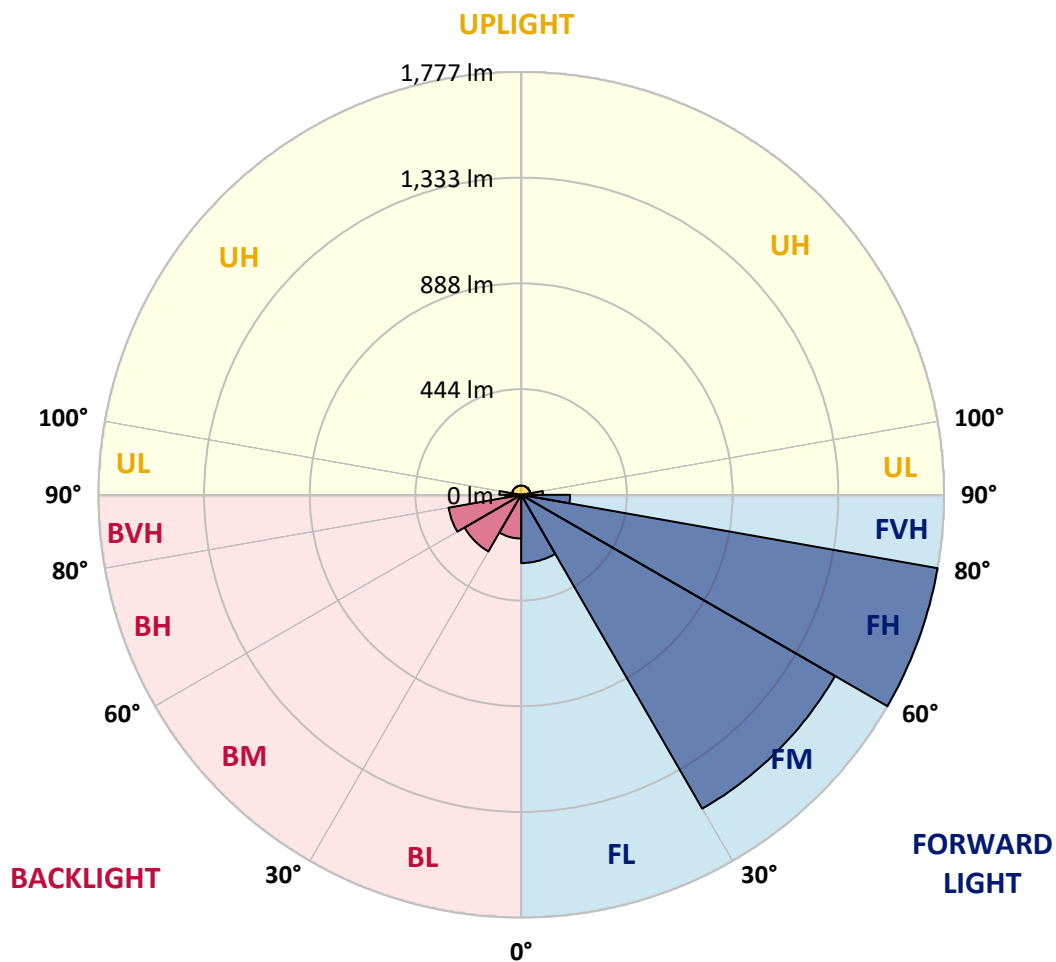
CATALOG NUMBER: SDL-PA1-50-830-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	286.5	6.0			
FM	(30°-60°)	1522.7	32.0			
FH	(60°-80°)	1776.8	37.4			G1/1800
FVH	(80°-90°)	205.5	4.3			G2/225
BL	(0°-30°)	183.6	3.9	B1/500		
BM	(30°-60°)	274.8	5.8	B1/1000		
BH	(60°-80°)	309.9	6.5	B1/500		G1/500
BVH	(80°-90°)	66.8	1.4			G1/100
UL	(90°-100°)	91.4	1.9		U3/500	
UH	(100°-180°)	38.9	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



REPORT NUMBER: P560640

CATALOG NUMBER: SDL-PA1-50-830-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2
2.5°	1054.0	1152.3	1143.0	1219.1	1219.1	1235.8	1243.3	1241.4	1248.8	1256.2	1254.4
5°	970.5	972.3	979.8	996.5	1002.0	1007.6	1026.1	1091.1	1200.6	1226.6	1226.6
7.5°	801.6	846.2	901.8	911.1	944.5	961.2	981.6	985.3	911.1	1044.7	1057.7
10°	812.8	814.6	810.9	831.3	807.2	797.9	733.0	736.7	744.1	794.2	894.4
12.5°	636.5	673.6	753.4	790.5	731.1	666.2	662.4	694.0	707.0	632.8	788.6
15°	727.4	731.1	733.0	734.8	545.5	632.8	553.0	508.4	569.7	718.1	816.5
17.5°	569.7	573.4	660.6	658.7	601.2	486.2	601.2	614.2	590.1	610.5	682.9
20°	668.0	669.9	664.3	515.9	527.0	595.6	517.7	515.9	545.5	703.3	794.2
22.5°	549.3	541.8	540.0	590.1	536.3	573.4	502.9	582.7	632.8	627.2	599.4
25°	688.4	686.6	658.7	514.0	549.3	486.2	588.2	493.6	547.4	758.9	794.2
27.5°	643.9	617.9	571.5	593.8	512.1	569.7	523.3	597.5	630.9	779.4	920.4
30°	833.2	814.6	760.8	599.4	566.0	525.1	560.4	599.4	718.1	1003.9	1052.1
32.5°	1100.4	1080.0	887.0	734.8	593.8	621.6	590.1	703.3	792.3	1024.3	1061.4
35°	1182.0	1154.2	1059.5	890.7	681.0	660.6	629.0	708.8	803.5	1078.1	1078.1
37.5°	1228.4	1226.6	1182.0	983.5	768.2	757.1	677.3	744.1	848.0	1130.1	1118.9
40°	1235.8	1245.1	1265.5	1065.1	872.1	848.0	740.4	792.3	911.1	1193.1	1170.9
42.5°	1297.1	1313.8	1360.2	1172.7	976.0	953.8	814.6	862.9	979.8	1285.9	1280.4
45°	1395.4	1412.1	1452.9	1291.5	1067.0	1052.1	935.2	964.9	1091.1	1449.2	1397.3
47.5°	1599.5	1603.2	1586.5	1389.8	1165.3	1165.3	1052.1	1080.0	1191.3	1599.5	1549.4
50°	1803.6	1781.4	1707.2	1506.7	1263.7	1291.5	1172.7	1237.7	1304.5	1751.7	1683.0
52.5°	1916.8	1913.1	1812.9	1595.8	1349.0	1402.8	1311.9	1367.6	1408.4	1905.7	1809.2
55°	1920.5	1915.0	1846.3	1638.5	1428.8	1517.9	1451.1	1523.4	1553.1	2026.3	1981.8
57.5°	1859.3	1874.2	1838.9	1662.6	1467.8	1629.2	1619.9	1697.9	1712.7	2169.2	2100.5
60°	1762.8	1761.0	1803.6	1684.9	1527.2	1735.0	1775.8	1855.6	1935.4	2278.7	2206.3
62.5°	1521.6	1538.3	1658.9	1684.9	1592.1	1872.3	1950.2	2033.7	2132.1	2378.9	2300.9
65°	1191.3	1200.6	1389.8	1562.4	1610.7	2056.0	2126.5	2210.0	2313.9	2480.9	2406.7
67.5°	720.0	781.2	944.5	1285.9	1516.0	2276.8	2406.7	2442.0	2501.3	2596.0	2562.6
70°	410.1	428.6	506.6	809.0	1265.5	2347.3	2922.6	2859.5	2798.2	2820.5	2757.4
72.5°	311.7	322.9	358.1	478.7	757.1	2072.7	3356.8	3590.6	3327.1	3054.3	2751.9
75°	226.4	237.5	272.8	386.0	497.3	1328.6	3312.2	3952.4	3800.3	3065.4	2488.4
77.5°	141.0	142.9	163.3	328.4	447.2	666.2	2592.3	3520.1	3586.9	2863.2	2063.4
80°	98.3	100.2	103.9	176.3	411.9	534.4	1740.6	2584.8	2679.5	1992.9	1052.1
82.5°	70.5	74.2	77.9	103.9	267.2	510.3	1083.7	1627.4	1434.4	721.8	426.8
85°	37.1	40.8	50.1	63.1	107.6	554.8	649.5	827.6	655.0	293.2	254.2
87.5°	14.8	13.0	11.1	16.7	29.7	213.4	252.4	278.3	215.2	165.1	202.3
90°	13.0	11.1	7.4	9.3	13.0	76.1	159.6	178.1	148.4	161.4	204.1
92.5°	13.0	11.1	7.4	7.4	13.0	76.1	191.1	194.8	154.0	165.1	213.4
95°	13.0	13.0	7.4	7.4	13.0	68.7	226.4	222.7	159.6	174.4	226.4
97.5°	13.0	13.0	5.6	7.4	13.0	46.4	233.8	241.2	155.9	124.3	187.4
100°	13.0	13.0	5.6	5.6	11.1	29.7	163.3	176.3	115.0	40.8	46.4
102.5°	13.0	13.0	5.6	5.6	7.4	20.4	72.4	87.2	68.7	13.0	14.8
105°	13.0	14.8	3.7	3.7	5.6	11.1	31.5	35.3	27.8	9.3	16.7
107.5°	14.8	16.7	3.7	3.7	3.7	5.6	11.1	13.0	7.4	7.4	16.7
110°	16.7	16.7	3.7	3.7	3.7	5.6	3.7	3.7	5.6	7.4	18.6

REPORT NUMBER: P560640

CATALOG NUMBER: SDL-PA1-50-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	13.0	11.1	1.9	3.7	3.7	3.7	3.7	3.7	3.7	7.4	18.6
115°	7.4	5.6	1.9	3.7	3.7	3.7	1.9	3.7	5.6	7.4	16.7
117.5°	7.4	5.6	1.9	1.9	1.9	3.7	1.9	1.9	5.6	9.3	20.4
120°	5.6	5.6	1.9	1.9	1.9	1.9	1.9	3.7	3.7	13.0	27.8
122.5°	5.6	5.6	1.9	1.9	1.9	1.9	1.9	3.7	3.7	13.0	27.8
125°	7.4	7.4	3.7	1.9	1.9	1.9	1.9	3.7	3.7	11.1	26.0
127.5°	5.6	5.6	3.7	1.9	1.9	1.9	1.9	3.7	3.7	9.3	20.4
130°	5.6	5.6	3.7	1.9	1.9	1.9	1.9	3.7	1.9	9.3	16.7
132.5°	5.6	5.6	3.7	1.9	1.9	1.9	1.9	1.9	1.9	5.6	13.0
135°	5.6	5.6	3.7	1.9	1.9	1.9	1.9	1.9	1.9	3.7	9.3
137.5°	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7
140°	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	3.7	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	3.7	3.7	3.7	1.9	1.9	1.9	1.9	1.9
150°	3.7	3.7	7.4	5.6	3.7	1.9	1.9	1.9	1.9	1.9	1.9
152.5°	7.4	7.4	7.4	5.6	1.9	1.9	3.7	5.6	1.9	1.9	1.9
155°	5.6	5.6	5.6	1.9	1.9	1.9	1.9	1.9	3.7	5.6	5.6
157.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
160°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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

REPORT NUMBER: P560640

CATALOG NUMBER: SDL-PA1-50-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2
2.5°	1248.8	1252.5	1248.8	1245.1	1241.4	1230.3	1154.2	1061.4	1054.0	1061.4	1057.7
5°	1217.3	1217.3	1215.4	1087.4	1011.3	989.0	983.5	977.9	966.8	961.2	964.9
7.5°	1050.3	1044.7	979.8	864.7	937.1	911.1	896.3	888.8	777.5	736.7	740.4
10°	877.7	877.7	729.3	688.4	684.7	695.8	771.9	766.4	751.5	742.2	751.5
12.5°	757.1	788.6	578.9	619.8	502.9	556.7	608.6	645.7	532.6	501.0	506.6
15°	803.5	792.3	636.5	486.2	443.5	467.6	374.8	469.5	462.0	447.2	445.3
17.5°	701.4	643.9	530.7	456.5	437.9	330.3	321.0	332.2	304.3	278.3	291.3
20°	762.7	731.1	562.2	406.4	337.7	300.6	226.4	211.5	269.1	282.1	280.2
22.5°	636.5	530.7	460.2	404.5	272.8	215.2	170.7	187.4	200.4	213.4	219.0
25°	747.8	690.3	502.9	302.5	220.8	157.7	154.0	139.2	209.7	239.4	237.5
27.5°	862.9	781.2	484.3	283.9	159.6	135.5	124.3	141.0	146.6	165.1	176.3
30°	964.9	866.6	560.4	263.5	133.6	102.1	111.3	115.0	142.9	154.0	154.0
32.5°	961.2	842.4	501.0	224.5	109.5	92.8	92.8	109.5	126.2	152.2	154.0
35°	959.3	823.9	447.2	174.4	96.5	81.6	85.4	103.9	126.2	141.0	142.9
37.5°	981.6	818.3	393.4	141.0	87.2	77.9	81.6	98.3	135.5	150.3	150.3
40°	1015.0	822.0	339.6	120.6	83.5	76.1	77.9	103.9	122.5	135.5	135.5
42.5°	1117.1	875.8	293.2	111.3	83.5	74.2	74.2	96.5	124.3	146.6	148.4
45°	1193.1	918.5	257.9	111.3	81.6	70.5	77.9	96.5	109.5	161.4	172.6
47.5°	1315.6	996.5	224.5	111.3	81.6	68.7	72.4	94.6	115.0	185.6	193.0
50°	1438.1	1074.4	209.7	111.3	81.6	66.8	81.6	90.9	115.0	193.0	198.5
52.5°	1568.0	1170.9	200.4	111.3	81.6	70.5	89.1	109.5	124.3	172.6	170.7
55°	1701.6	1256.2	194.8	115.0	81.6	70.5	96.5	102.1	105.8	133.6	137.3
57.5°	1825.9	1360.2	206.0	115.0	79.8	74.2	90.9	100.2	92.8	116.9	118.8
60°	1924.3	1454.8	233.8	111.3	77.9	74.2	92.8	109.5	103.9	128.0	131.7
62.5°	2037.4	1555.0	298.8	113.2	77.9	76.1	103.9	118.8	105.8	126.2	133.6
65°	2185.9	1707.2	371.1	124.3	79.8	79.8	105.8	128.0	105.8	124.3	124.3
67.5°	2352.9	1848.2	371.1	144.7	85.4	85.4	105.8	135.5	113.2	124.3	124.3
70°	2475.4	1855.6	306.2	159.6	92.8	90.9	109.5	141.0	115.0	137.3	135.5
72.5°	2339.9	1653.3	254.2	157.7	100.2	94.6	124.3	144.7	116.9	155.9	154.0
75°	2054.1	1363.9	220.8	141.0	90.9	96.5	129.9	148.4	118.8	163.3	159.6
77.5°	1619.9	994.6	187.4	118.8	79.8	92.8	133.6	152.2	122.5	172.6	170.7
80°	784.9	499.2	152.2	100.2	72.4	89.1	133.6	150.3	120.6	178.1	178.1
82.5°	354.4	248.7	103.9	68.7	72.4	90.9	137.3	152.2	120.6	174.4	172.6
85°	230.1	170.7	66.8	53.8	72.4	103.9	139.2	144.7	115.0	161.4	161.4
87.5°	172.6	118.8	35.3	33.4	79.8	113.2	139.2	133.6	111.3	152.2	148.4
90°	176.3	126.2	37.1	33.4	85.4	115.0	139.2	131.7	107.6	137.3	137.3
92.5°	191.1	139.2	42.7	37.1	87.2	103.9	131.7	118.8	100.2	118.8	116.9
95°	207.8	155.9	50.1	42.7	76.1	76.1	103.9	96.5	85.4	90.9	90.9
97.5°	152.2	111.3	44.5	46.4	57.5	48.2	68.7	64.9	44.5	40.8	39.0
100°	44.5	37.1	40.8	44.5	40.8	35.3	52.0	50.1	29.7	14.8	14.8
102.5°	16.7	18.6	37.1	40.8	31.5	26.0	37.1	40.8	24.1	3.7	5.6
105°	14.8	13.0	26.0	31.5	18.6	14.8	18.6	26.0	14.8	3.7	3.7
107.5°	16.7	13.0	13.0	16.7	7.4	7.4	7.4	9.3	5.6	3.7	3.7
110°	16.7	13.0	7.4	7.4	5.6	5.6	5.6	3.7	3.7	3.7	3.7



REPORT NUMBER: P560640

CATALOG NUMBER: SDL-PA1-50-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.7	13.0	7.4	7.4	5.6	5.6	3.7	3.7	5.6	9.3	9.3
115°	18.6	14.8	7.4	5.6	3.7	5.6	3.7	1.9	5.6	13.0	13.0
117.5°	22.3	16.7	5.6	5.6	3.7	3.7	3.7	1.9	5.6	16.7	18.6
120°	27.8	20.4	7.4	3.7	3.7	3.7	3.7	1.9	7.4	18.6	20.4
122.5°	27.8	22.3	7.4	3.7	3.7	1.9	1.9	3.7	7.4	18.6	20.4
125°	26.0	20.4	7.4	3.7	3.7	1.9	1.9	1.9	9.3	18.6	20.4
127.5°	20.4	18.6	7.4	3.7	1.9	1.9	1.9	3.7	7.4	16.7	16.7
130°	16.7	14.8	5.6	3.7	1.9	1.9	1.9	1.9	7.4	13.0	14.8
132.5°	13.0	11.1	5.6	3.7	1.9	1.9	1.9	1.9	7.4	13.0	13.0
135°	9.3	9.3	3.7	1.9	1.9	1.9	1.9	1.9	5.6	9.3	11.1
137.5°	3.7	3.7	3.7	1.9	1.9	1.9	1.9	1.9	3.7	5.6	5.6
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	3.7	3.7
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	3.7
145°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
150°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	3.7	3.7
155°	5.6	5.6	5.6	3.7	1.9	0.0	0.0	0.0	1.9	1.9	3.7
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	1.9	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
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

(END OF REPORT)