

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: P561169

Luminaire Tested: **SDL-PA1-80-830-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561169
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-PA1-80-830-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1050mA 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: 5822.2 lumens
Efficiency: N/A
Efficacy: 71.0 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): 82
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

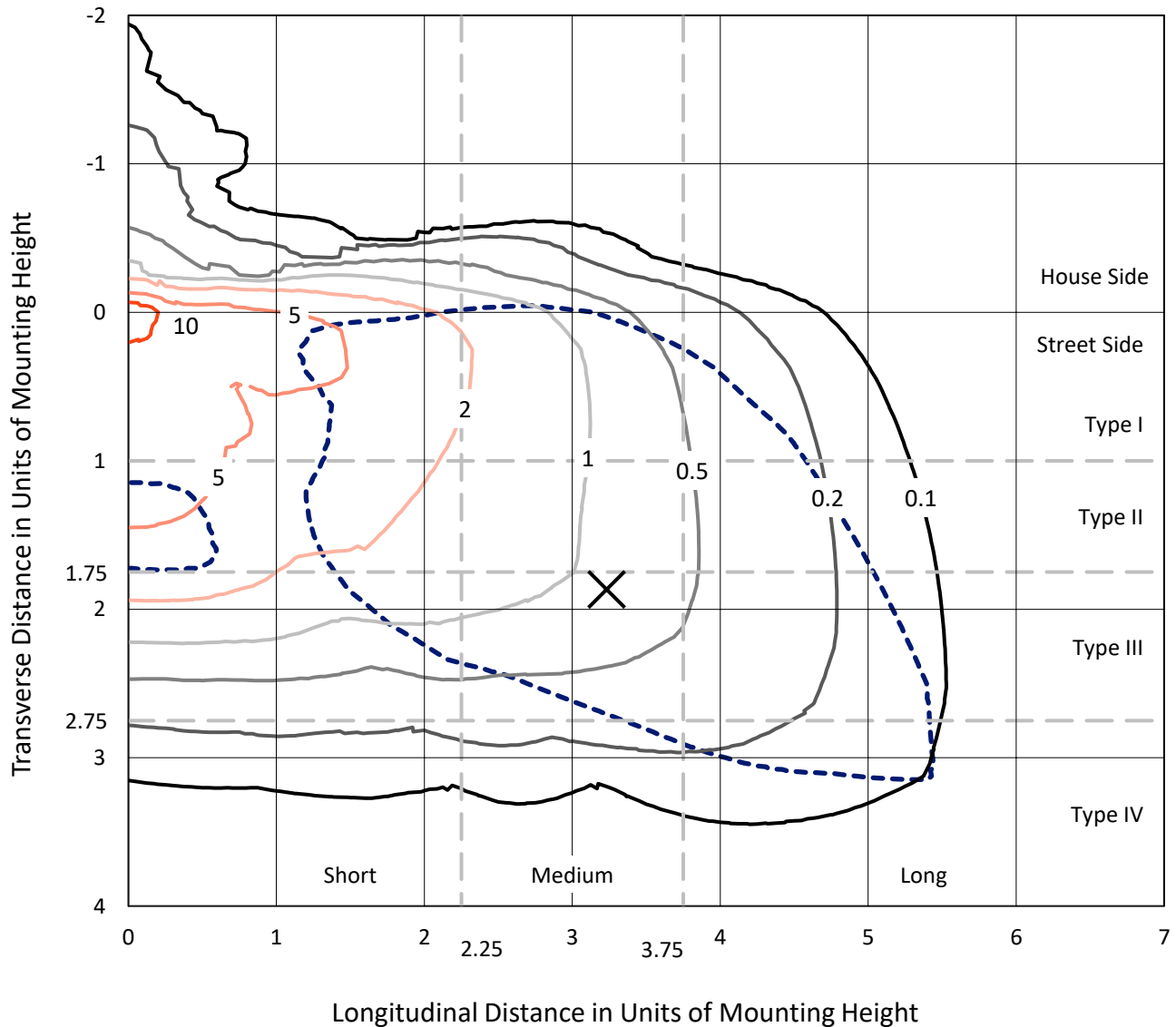


REPORT NUMBER: P561169

CATALOG NUMBER: SDL-PA1-80-830-U-SL3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

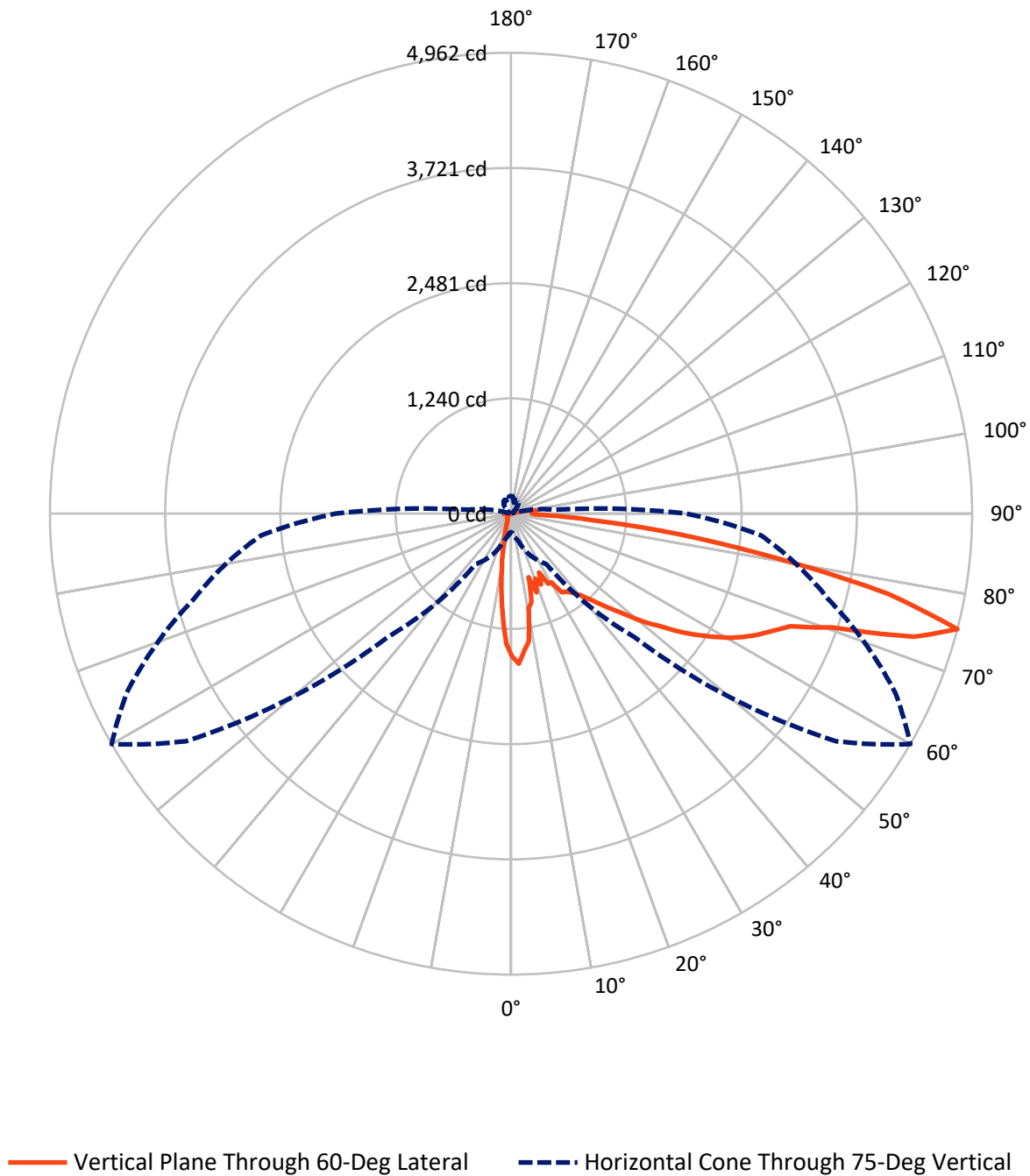


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P561169

CATALOG NUMBER: SDL-PA1-80-830-U-SL3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P561169

CATALOG NUMBER: SDL-PA1-80-830-U-SL3-HSS-A

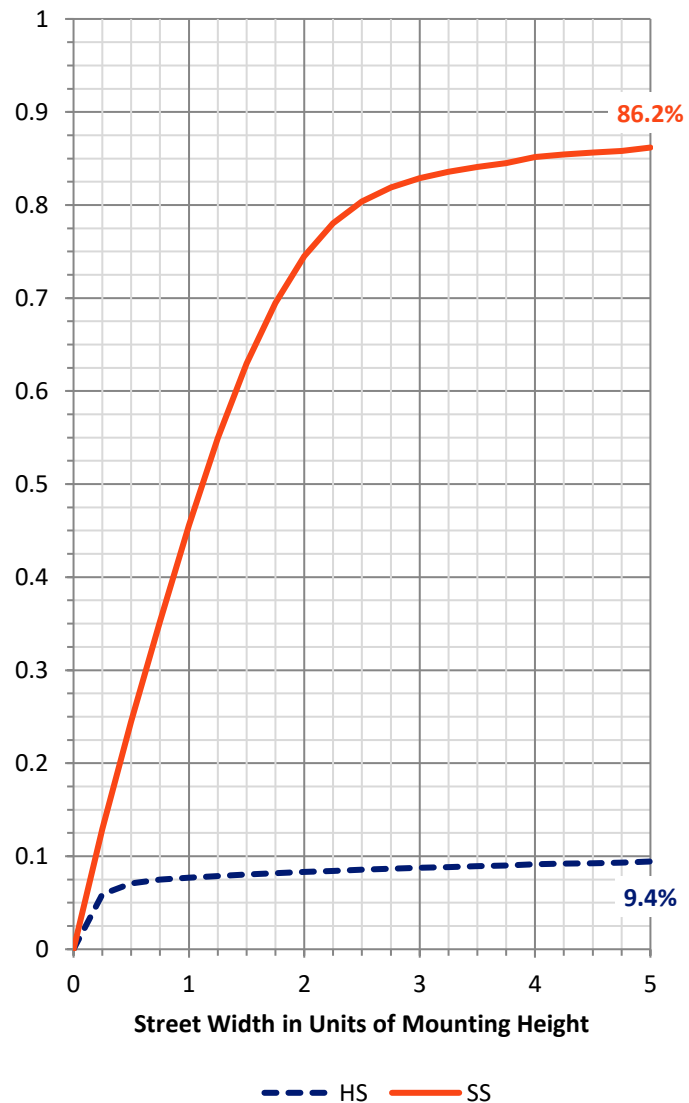
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	601.7	78.5	680.1
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	5060.0	82.0	5142.1
	% Fixture	86.9	1.4	88.3
Total	Lumens	5661.7	160.5	5822.2
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	1.8
10°-20°	175.2	3.0
20°-30°	247.7	4.3
30°-40°	445.1	7.6
40°-50°	750.0	12.9
50°-60°	1166.5	20.0
60°-70°	1376.6	23.6
70°-80°	1116.6	19.2
80°-90°	277.2	4.8
90°-100°	111.9	1.9
100°-110°	25.9	0.4
110°-120°	8.1	0.1
120°-130°	7.2	0.1
130°-140°	3.8	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°	5661.7	97.2
0°-180°	5822.2	100.0

Coefficient of Utilization



REPORT NUMBER: P561169

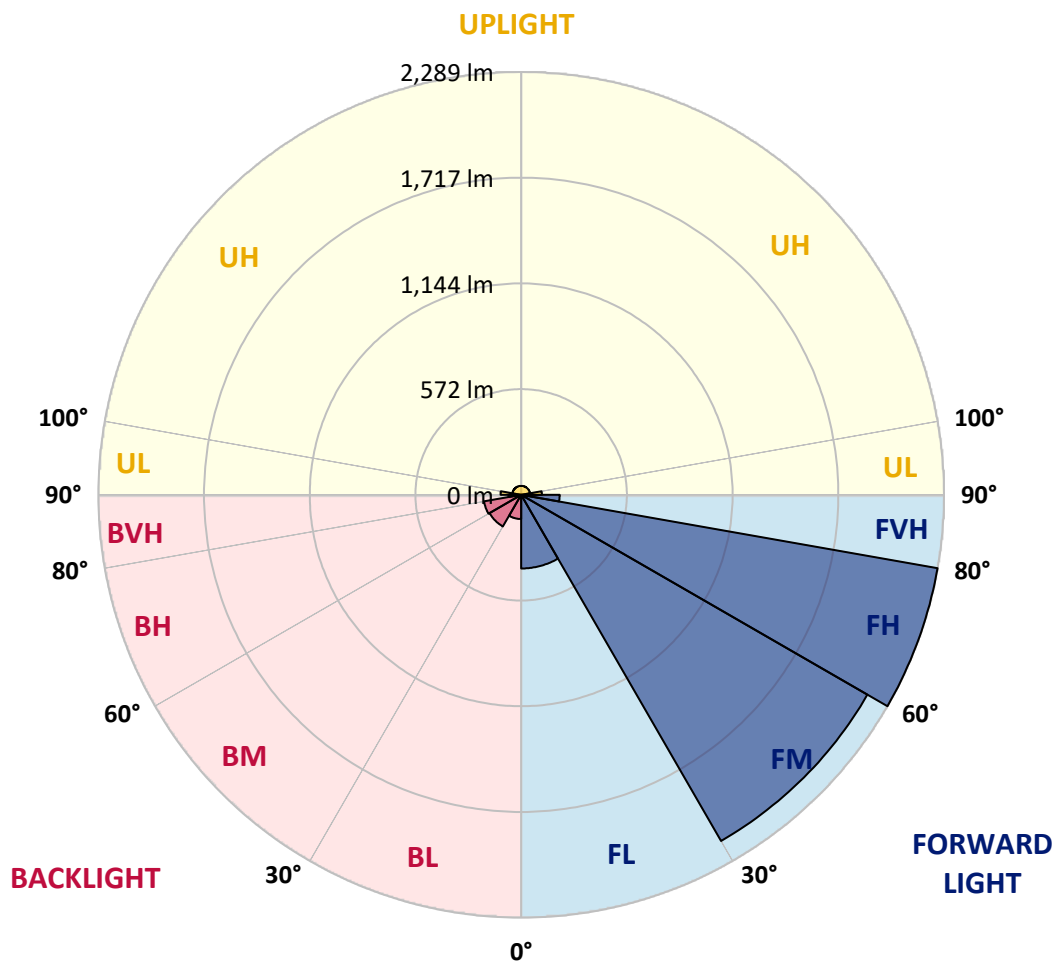
CATALOG NUMBER: SDL-PA1-80-830-U-SL3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	398.8	6.8			
FM	(30°-60°)	2163.9	37.2			
FH	(60°-80°)	2288.9	39.3			G2/5000
FVH	(80°-90°)	208.4	3.6			G2/225
BL	(0°-30°)	130.8	2.2	B1/500		
BM	(30°-60°)	197.8	3.4	B0/220		
BH	(60°-80°)	204.3	3.5	B1/500		G1/500
BVH	(80°-90°)	68.8	1.2			G1/100
UL	(90°-100°)	111.9	1.9		U3/500	
UH	(100°-180°)	48.6	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P561169

CATALOG NUMBER: SDL-PA1-80-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0
2.5°	1447.6	1557.9	1525.6	1627.8	1641.3	1635.9	1630.5	1617.1	1603.6	1579.4	1541.7
5°	1388.4	1399.1	1391.1	1409.9	1412.6	1420.7	1407.2	1482.5	1609.0	1576.7	1517.5
7.5°	1140.8	1253.8	1267.3	1302.3	1334.6	1366.8	1385.7	1383.0	1221.5	1372.2	1305.0
10°	1165.0	1181.2	1178.5	1202.7	1175.8	1130.1	1030.5	1033.2	1033.2	1065.5	1100.5
12.5°	922.9	971.3	1089.7	1127.4	1046.7	952.5	960.6	979.4	992.8	842.2	928.3
15°	1046.7	1049.3	1052.0	1052.0	788.4	901.4	785.7	710.3	812.6	995.5	1011.7
17.5°	820.6	812.6	947.1	936.3	869.1	670.0	871.8	890.6	855.6	836.8	842.2
20°	963.2	963.2	955.2	761.5	801.8	863.7	748.0	745.3	788.4	979.4	990.2
22.5°	780.3	772.2	815.3	847.6	761.5	823.3	737.2	828.7	917.5	866.4	707.6
25°	976.7	976.7	944.4	734.5	788.4	707.6	818.0	702.3	780.3	1060.1	1009.0
27.5°	904.1	879.8	804.5	834.1	707.6	823.3	753.4	852.9	901.4	1097.8	1175.8
30°	1167.7	1159.7	1073.6	839.5	804.5	756.1	809.9	858.3	1038.6	1423.3	1358.8
32.5°	1557.9	1514.8	1221.5	1038.6	844.9	896.0	863.7	1009.0	1140.8	1455.6	1377.6
35°	1662.8	1630.5	1490.6	1261.9	947.1	947.1	928.3	1030.5	1170.4	1525.6	1418.0
37.5°	1697.8	1695.1	1646.7	1380.3	1087.0	1089.7	982.1	1081.6	1229.6	1619.8	1477.2
40°	1719.3	1724.7	1773.1	1504.1	1235.0	1229.6	1081.6	1154.3	1321.1	1722.0	1584.8
42.5°	1810.8	1840.4	1899.6	1641.3	1374.9	1377.6	1202.7	1270.0	1442.2	1891.5	1732.8
45°	2015.3	2023.4	2058.3	1829.6	1506.8	1525.6	1356.1	1426.0	1590.2	2077.2	1899.6
47.5°	2324.7	2324.7	2265.5	1977.6	1662.8	1689.7	1517.5	1590.2	1765.1	2348.9	2093.3
50°	2599.2	2577.6	2448.5	2152.5	1789.3	1848.5	1730.1	1813.5	1913.0	2556.1	2335.5
52.5°	2771.4	2763.3	2604.5	2270.9	1923.8	2023.4	1905.0	2012.6	2085.2	2771.4	2553.4
55°	2747.1	2747.1	2644.9	2332.8	2047.6	2182.1	2131.0	2265.5	2292.4	2975.8	2712.2
57.5°	2655.7	2669.1	2620.7	2357.0	2071.8	2332.8	2362.4	2488.8	2534.6	3094.2	2811.7
60°	2470.0	2496.9	2548.0	2389.3	2166.0	2502.3	2599.2	2712.2	2798.3	3183.0	2895.1
62.5°	2122.9	2157.9	2338.2	2386.6	2238.6	2677.2	2801.0	2900.5	2981.2	3231.5	2954.3
65°	1609.0	1673.6	1934.6	2214.4	2233.2	2881.7	2965.1	3061.9	3140.0	3279.9	3107.7
67.5°	1027.8	1030.5	1313.0	1829.6	2082.6	3169.6	3185.7	3234.1	3285.3	3414.4	3325.6
70°	530.1	557.0	691.5	1167.7	1705.9	3228.8	3737.3	3667.3	3589.3	3707.7	3608.1
72.5°	352.5	382.1	454.7	629.6	1070.9	2911.3	4337.3	4531.0	4186.6	3925.6	3360.6
75°	199.1	215.3	304.0	497.8	661.9	1880.8	4270.0	4961.5	4563.3	3527.4	2701.4
77.5°	88.8	94.2	137.2	390.1	567.7	917.5	3360.6	4146.3	3987.5	2940.9	1948.0
80°	48.4	48.4	64.6	180.3	481.6	691.5	2230.5	2887.1	2712.2	1773.1	885.2
82.5°	26.9	29.6	37.7	86.1	293.3	632.3	1409.9	1810.8	1431.4	487.0	357.9
85°	10.8	10.8	16.1	45.7	107.6	535.4	772.2	861.0	578.5	247.5	277.1
87.5°	5.4	5.4	5.4	16.1	35.0	137.2	252.9	271.8	212.6	196.4	239.5
90°	8.1	8.1	5.4	5.4	24.2	145.3	212.6	223.3	174.9	196.4	242.2
92.5°	10.8	8.1	5.4	5.4	18.8	145.3	242.2	239.5	174.9	196.4	250.2
95°	13.5	10.8	5.4	5.4	18.8	129.2	290.6	261.0	188.3	199.1	263.7
97.5°	13.5	13.5	5.4	5.4	18.8	99.6	306.7	263.7	164.1	129.2	180.3
100°	16.1	16.1	5.4	5.4	21.5	59.2	212.6	196.4	115.7	43.1	51.1
102.5°	18.8	18.8	5.4	5.4	13.5	29.6	102.2	99.6	64.6	10.8	18.8
105°	18.8	21.5	5.4	5.4	5.4	13.5	37.7	45.7	32.3	10.8	18.8
107.5°	21.5	24.2	5.4	5.4	5.4	8.1	16.1	16.1	10.8	10.8	18.8
110°	21.5	21.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	10.8	18.8

REPORT NUMBER: P561169

CATALOG NUMBER: SDL-PA1-80-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	16.1	16.1	2.7	5.4	5.4	5.4	2.7	5.4	5.4	8.1	16.1
115°	8.1	5.4	2.7	5.4	2.7	5.4	2.7	5.4	8.1	8.1	18.8
117.5°	2.7	2.7	2.7	2.7	2.7	5.4	2.7	5.4	5.4	13.5	24.2
120°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	18.8	29.6
122.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	18.8	35.0
125°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	13.5	32.3
127.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	13.5	26.9
130°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	10.8	24.2
132.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	10.8	18.8
135°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	13.5
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°	10.8	10.8	10.8	8.1	5.4	2.7	8.1	5.4	2.7	2.7	2.7
152.5°	8.1	8.1	13.5	5.4	2.7	2.7	2.7	8.1	8.1	2.7	2.7
155°	8.1	8.1	5.4	2.7	2.7	2.7	2.7	2.7	2.7	8.1	10.8
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

REPORT NUMBER: P561169

CATALOG NUMBER: SDL-PA1-80-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0
2.5°	1528.3	1512.1	1469.1	1428.7	1380.3	1350.7	1248.5	1132.8	1108.5	1103.2	1084.3
5°	1490.6	1455.6	1372.2	1194.6	1017.1	936.3	898.7	869.1	828.7	820.6	809.9
7.5°	1264.6	1205.4	1076.3	858.3	831.4	756.1	694.2	643.1	532.7	503.1	487.0
10°	1052.0	1000.9	734.5	624.2	567.7	511.2	444.0	392.8	347.1	325.6	317.5
12.5°	850.2	799.1	548.9	495.1	352.5	290.6	252.9	209.9	174.9	156.1	156.1
15°	941.7	858.3	567.7	352.5	231.4	172.2	126.5	113.0	131.8	134.5	134.5
17.5°	769.5	686.1	446.6	274.4	169.5	94.2	102.2	115.7	126.5	110.3	113.0
20°	885.2	769.5	449.3	207.2	107.6	91.5	94.2	86.1	115.7	118.4	118.4
22.5°	670.0	605.4	339.0	164.1	83.4	86.1	80.7	96.9	107.6	94.2	91.5
25°	866.4	713.0	344.4	104.9	83.4	70.0	83.4	75.3	99.6	102.2	102.2
27.5°	992.8	799.1	301.4	91.5	70.0	75.3	67.3	78.0	75.3	75.3	75.3
30°	1127.4	871.8	293.3	88.8	67.3	61.9	64.6	61.9	72.6	75.3	75.3
32.5°	1127.4	834.1	223.3	88.8	64.6	59.2	51.1	56.5	59.2	64.6	67.3
35°	1135.4	801.8	164.1	80.7	59.2	51.1	45.7	45.7	51.1	53.8	53.8
37.5°	1159.7	780.3	126.5	75.3	53.8	45.7	37.7	40.4	70.0	78.0	78.0
40°	1226.9	780.3	107.6	70.0	48.4	40.4	32.3	51.1	59.2	70.0	70.0
42.5°	1331.9	791.0	102.2	67.3	43.1	35.0	26.9	40.4	72.6	83.4	86.1
45°	1442.2	812.6	96.9	64.6	40.4	29.6	32.3	48.4	56.5	75.3	75.3
47.5°	1595.5	858.3	94.2	61.9	37.7	24.2	29.6	48.4	61.9	80.7	80.7
50°	1762.4	906.7	88.8	59.2	32.3	21.5	45.7	40.4	51.1	83.4	83.4
52.5°	1934.6	963.2	86.1	56.5	29.6	29.6	51.1	48.4	61.9	80.7	83.4
55°	2085.2	1009.0	80.7	56.5	26.9	26.9	53.8	48.4	56.5	75.3	78.0
57.5°	2157.9	1017.1	78.0	53.8	24.2	26.9	51.1	59.2	51.1	61.9	67.3
60°	2249.4	1038.6	70.0	48.4	21.5	35.0	59.2	78.0	70.0	80.7	86.1
62.5°	2335.5	1054.7	61.9	43.1	18.8	37.7	78.0	94.2	75.3	94.2	104.9
65°	2494.2	1089.7	51.1	35.0	16.1	43.1	88.8	113.0	83.4	110.3	110.3
67.5°	2714.9	1146.2	40.4	29.6	16.1	48.4	91.5	129.2	99.6	121.1	118.4
70°	2801.0	1054.7	35.0	26.9	16.1	56.5	99.6	139.9	104.9	134.5	134.5
72.5°	2443.1	761.5	29.6	26.9	26.9	64.6	123.8	153.4	115.7	169.5	166.8
75°	1886.1	478.9	29.6	26.9	32.3	80.7	139.9	164.1	123.8	188.3	185.7
77.5°	1256.5	226.0	29.6	29.6	37.7	88.8	150.7	174.9	137.2	209.9	207.2
80°	492.4	123.8	32.3	32.3	45.7	94.2	161.4	180.3	142.6	226.0	223.3
82.5°	236.8	86.1	32.3	32.3	61.9	104.9	172.2	188.3	148.0	228.7	226.0
85°	201.8	80.7	29.6	35.0	75.3	131.8	183.0	185.7	150.7	217.9	217.9
87.5°	180.3	78.0	29.6	35.0	102.2	153.4	191.0	183.0	161.4	212.6	212.6
90°	185.7	83.4	32.3	40.4	115.7	156.1	193.7	183.0	156.1	196.4	196.4
92.5°	199.1	88.8	35.0	43.1	115.7	145.3	180.3	164.1	145.3	166.8	164.1
95°	209.9	94.2	37.7	48.4	102.2	113.0	150.7	131.8	121.1	129.2	129.2
97.5°	161.4	72.6	43.1	53.8	78.0	67.3	94.2	86.1	64.6	53.8	53.8
100°	43.1	24.2	45.7	53.8	53.8	45.7	70.0	64.6	43.1	18.8	18.8
102.5°	16.1	16.1	43.1	51.1	43.1	35.0	51.1	48.4	35.0	5.4	5.4
105°	16.1	13.5	26.9	40.4	26.9	18.8	26.9	32.3	21.5	5.4	5.4
107.5°	16.1	13.5	16.1	24.2	10.8	8.1	10.8	10.8	10.8	2.7	5.4
110°	16.1	13.5	8.1	10.8	8.1	8.1	8.1	5.4	5.4	10.8	10.8

REPORT NUMBER: P561169

CATALOG NUMBER: SDL-PA1-80-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.1	13.5	8.1	10.8	8.1	8.1	5.4	5.4	8.1	16.1	16.1
115°	16.1	13.5	8.1	8.1	5.4	8.1	5.4	2.7	8.1	18.8	21.5
117.5°	21.5	13.5	5.4	5.4	5.4	5.4	5.4	2.7	8.1	24.2	26.9
120°	26.9	16.1	5.4	5.4	5.4	2.7	5.4	2.7	10.8	24.2	26.9
122.5°	29.6	18.8	5.4	5.4	5.4	2.7	2.7	5.4	10.8	24.2	24.2
125°	29.6	18.8	5.4	5.4	2.7	2.7	2.7	2.7	10.8	24.2	26.9
127.5°	24.2	16.1	5.4	5.4	2.7	2.7	2.7	2.7	10.8	21.5	24.2
130°	21.5	16.1	5.4	5.4	2.7	2.7	2.7	2.7	10.8	18.8	21.5
132.5°	16.1	13.5	5.4	2.7	2.7	2.7	2.7	2.7	10.8	16.1	18.8
135°	13.5	8.1	5.4	2.7	2.7	2.7	2.7	2.7	8.1	16.1	16.1
137.5°	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7	5.4	8.1	8.1
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°	10.8	8.1	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

(END OF REPORT)