

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: P560620

Luminaire Tested: **SDL-PA1-50-827-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-827-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3949.2 lumens
Efficiency: N/A
Efficacy: 75.4 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: B0 - U0 - 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

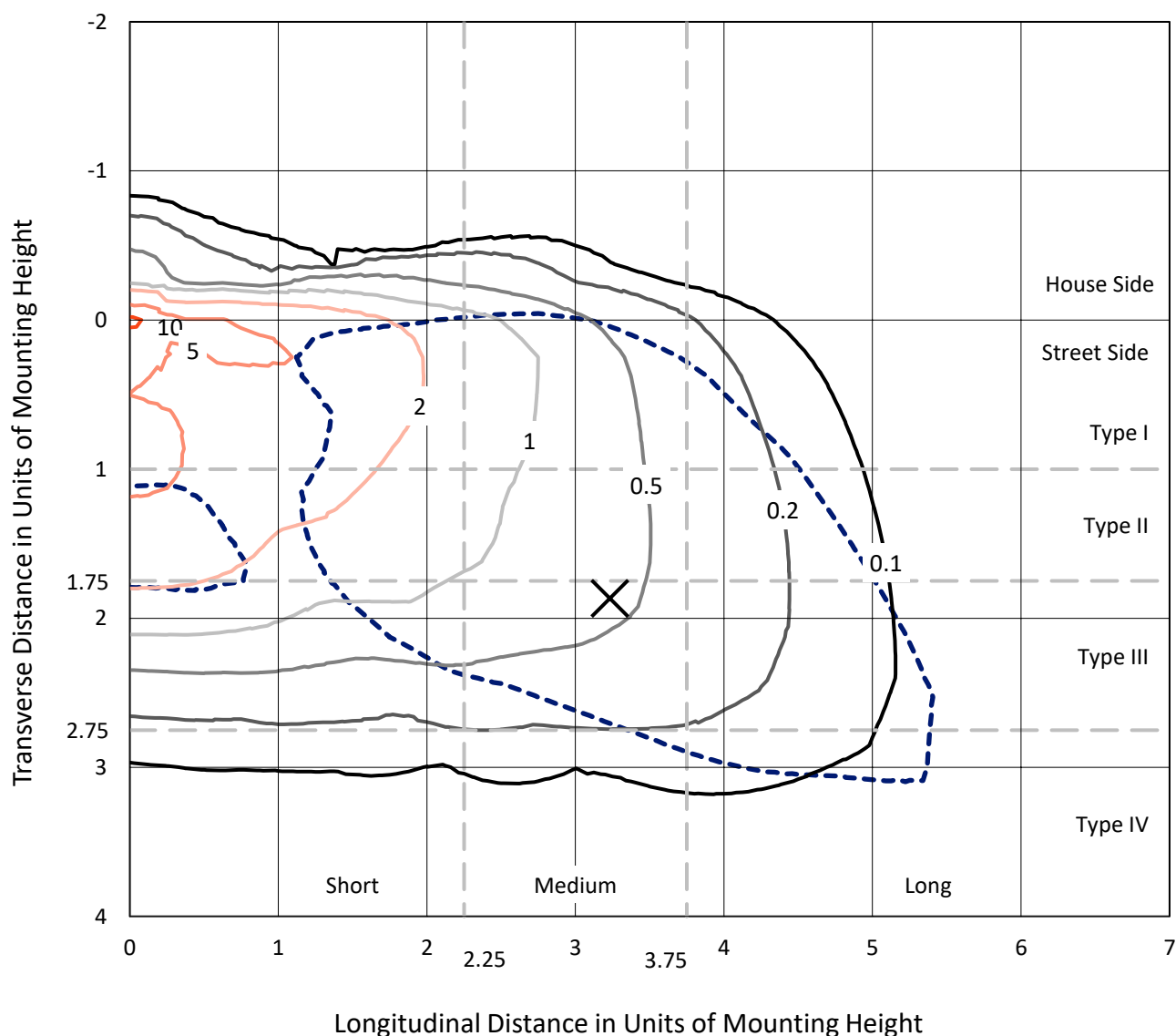


REPORT NUMBER: P560620

CATALOG NUMBER: SDL-PA1-50-827-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

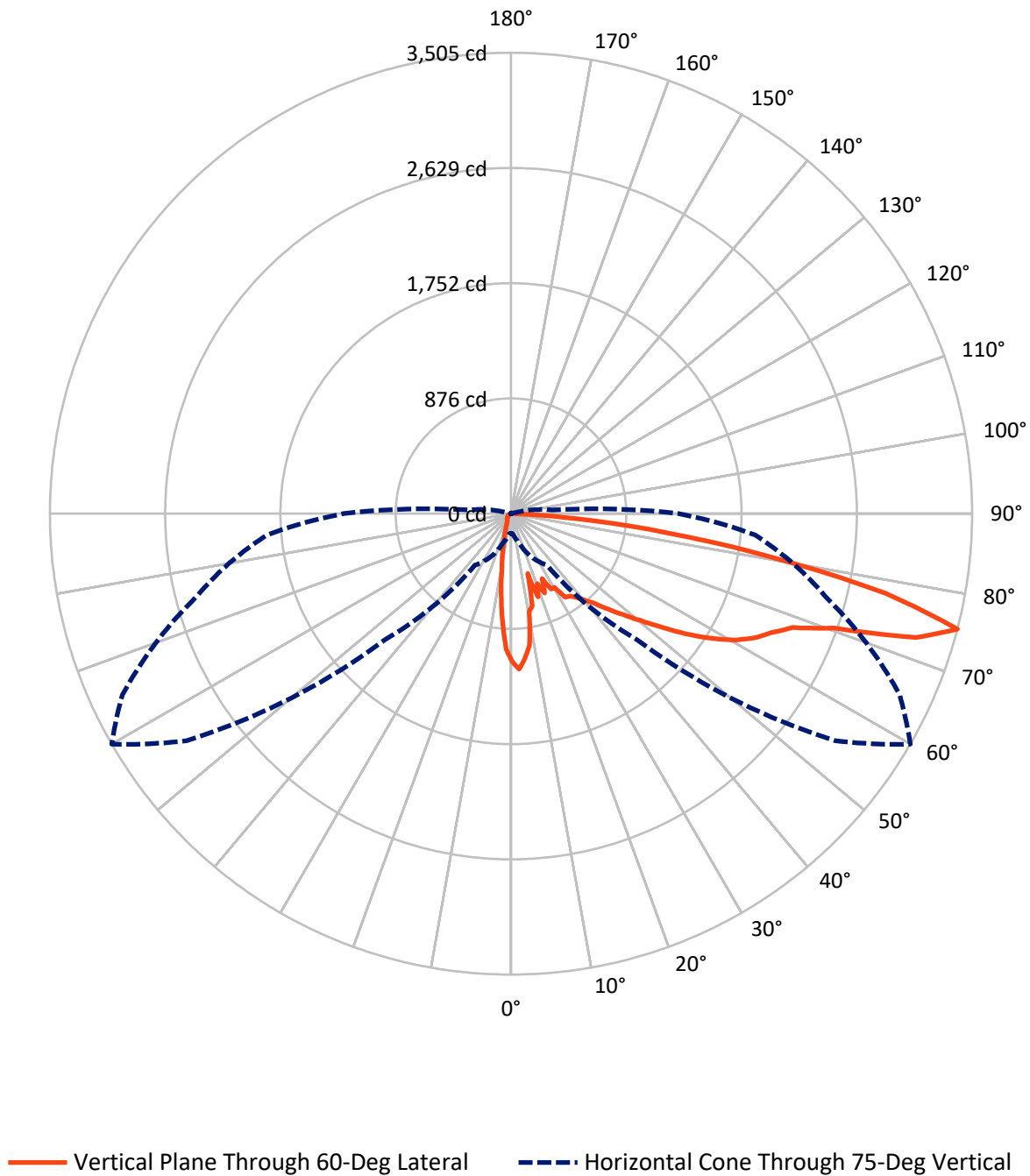


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560620

CATALOG NUMBER: SDL-PA1-50-827-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560620

CATALOG NUMBER: SDL-PA1-50-827-U-SL3-HSS

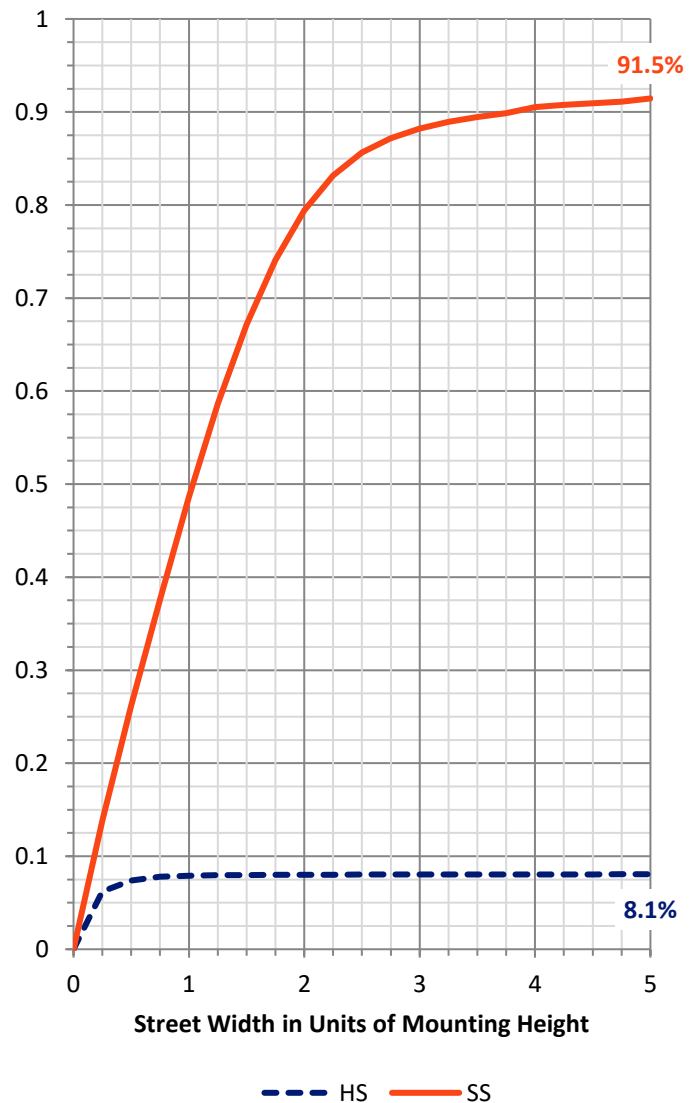
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	321.7	0.0	321.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3627.5	0.0	3627.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	3949.2	0.0	3949.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	2.0
10°-20°	129.2	3.3
20°-30°	185.1	4.7
30°-40°	329.6	8.3
40°-50°	542.5	13.7
50°-60°	836.5	21.2
60°-70°	974.9	24.7
70°-80°	755.5	19.1
80°-90°	117.9	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3949.2	100.0
0°-180°	3949.2	100.0

Coefficient of Utilization



REPORT NUMBER: P560620

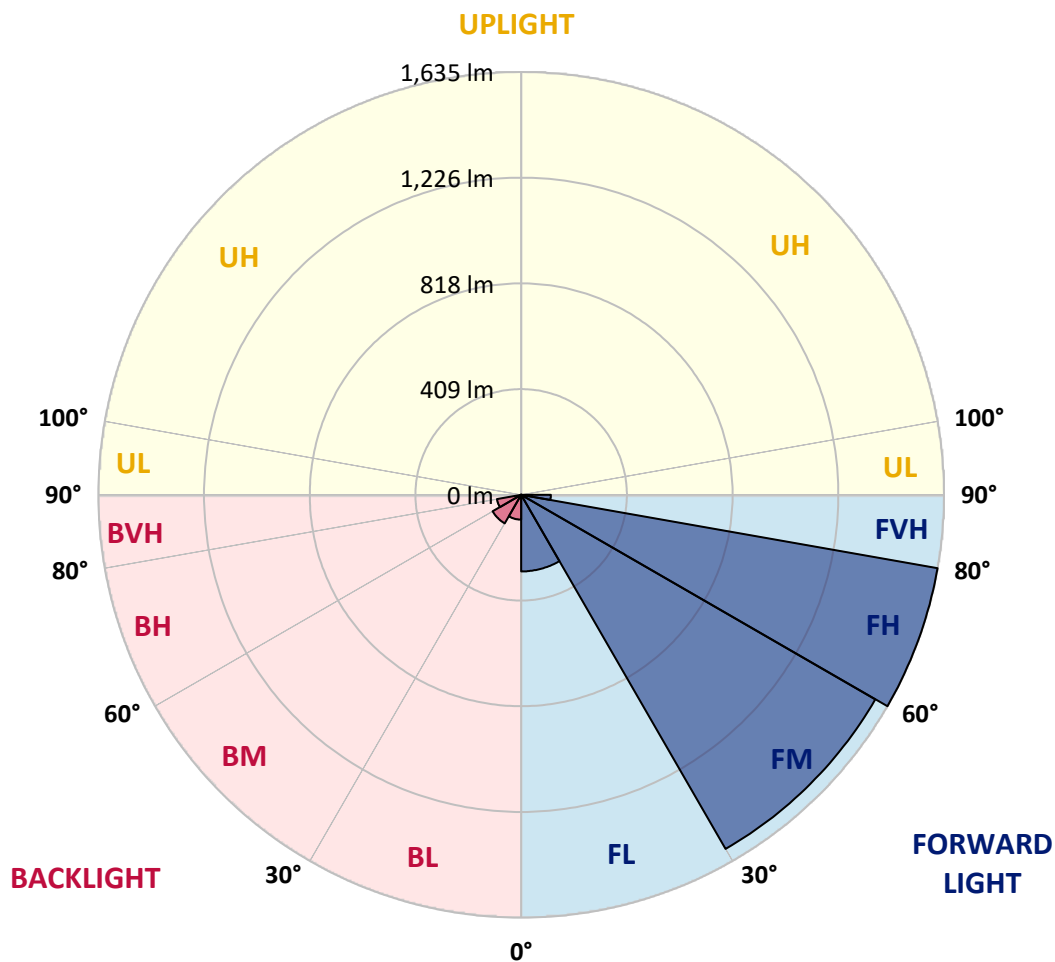
CATALOG NUMBER: SDL-PA1-50-827-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.3	7.5			
FM	(30°-60°)	1581.3	40.0			
FH	(60°-80°)	1635.2	41.4			G1/1800
FVH	(80°-90°)	114.7	2.9			G2/225
BL	(0°-30°)	95.9	2.4	B0/110		
BM	(30°-60°)	127.4	3.2	B0/220		
BH	(60°-80°)	95.2	2.4	B0/110		G0/110
BVH	(80°-90°)	3.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Medium



REPORT NUMBER: P560620

CATALOG NUMBER: SDL-PA1-50-827-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4
2.5°	1051.6	1091.1	1115.1	1137.4	1166.5	1195.7	1197.4	1199.1	1199.1	1199.1	1197.4
5°	1015.6	1019.0	1019.0	1019.0	1024.2	1029.3	1032.7	1034.4	1036.2	1036.2	1034.4
7.5°	794.3	857.7	897.2	934.9	945.2	955.5	969.3	981.3	991.6	1000.1	1007.0
10°	880.1	886.9	886.9	885.2	893.8	900.6	833.7	765.1	792.6	820.0	785.7
12.5°	679.3	713.6	756.5	797.7	825.2	852.6	821.7	790.8	742.8	693.1	689.6
15°	794.3	799.4	801.1	802.9	756.5	708.5	651.9	593.6	633.0	672.5	615.9
17.5°	610.7	615.9	663.9	711.9	717.1	722.2	686.2	648.5	566.1	483.8	561.0
20°	730.8	734.2	734.2	734.2	643.3	552.4	559.3	564.4	590.1	615.9	597.0
22.5°	588.4	581.6	585.0	586.7	614.1	639.9	586.7	531.8	571.3	609.0	576.4
25°	735.9	737.7	727.4	715.4	634.7	552.4	581.6	609.0	562.7	514.6	561.0
27.5°	665.6	658.8	634.7	610.7	622.7	634.7	579.8	523.2	567.8	610.7	590.1
30°	876.6	873.2	842.3	809.7	713.6	615.9	605.6	593.6	567.8	540.4	576.4
32.5°	1170.0	1128.8	1013.9	897.2	837.2	775.4	699.9	624.4	633.0	639.9	645.0
35°	1235.2	1216.3	1166.5	1116.8	1024.2	929.8	826.9	722.2	698.2	674.2	687.9
37.5°	1252.3	1245.5	1238.6	1230.0	1120.2	1010.4	907.5	802.9	784.0	763.4	748.0
40°	1269.5	1276.3	1296.9	1315.8	1212.9	1109.9	1013.9	916.1	893.8	871.5	832.0
42.5°	1338.1	1343.2	1374.1	1405.0	1305.5	1204.3	1120.2	1036.2	1003.6	971.0	934.9
45°	1483.9	1489.1	1506.2	1523.4	1430.7	1336.4	1243.7	1149.4	1123.7	1096.2	1055.0
47.5°	1686.3	1691.5	1682.9	1674.3	1568.0	1459.9	1350.1	1240.3	1231.7	1223.2	1180.3
50°	1917.9	1911.1	1864.7	1818.4	1701.8	1585.1	1456.5	1326.1	1332.9	1339.8	1308.9
52.5°	2024.3	2020.9	1967.7	1914.5	1794.4	1672.6	1538.8	1403.3	1427.3	1449.6	1432.4
55°	2017.4	2015.7	1979.7	1943.7	1830.4	1717.2	1592.0	1466.8	1521.6	1574.8	1564.5
57.5°	1941.9	1945.4	1940.2	1935.1	1835.6	1736.1	1634.9	1533.7	1616.0	1696.6	1710.4
60°	1823.6	1823.6	1849.3	1873.3	1815.0	1755.0	1670.9	1585.1	1698.3	1811.6	1845.9
62.5°	1576.5	1604.0	1658.9	1713.8	1732.7	1751.5	1682.9	1614.3	1770.4	1926.5	1976.3
65°	1214.6	1226.6	1326.1	1425.6	1518.2	1609.1	1614.3	1619.4	1857.9	2094.6	2111.8
67.5°	705.1	754.8	864.6	972.7	1154.5	1334.7	1427.3	1519.9	1895.6	2269.6	2288.5
70°	370.5	391.1	444.3	495.8	658.8	820.0	1049.9	1278.0	1808.1	2336.5	2501.2
72.5°	253.9	272.8	301.9	331.1	392.8	452.9	617.6	780.6	1439.3	2098.1	2609.3
75°	149.2	154.4	190.4	226.4	293.4	360.3	420.3	478.6	916.1	1351.8	2180.4
77.5°	60.0	65.2	80.6	96.1	190.4	283.1	344.8	406.6	511.2	615.9	1497.6
80°	32.6	32.6	39.5	44.6	85.8	125.2	231.6	338.0	389.4	440.9	971.0
82.5°	18.9	18.9	24.0	27.4	42.9	58.3	132.1	205.9	303.6	399.7	655.3
85°	6.9	6.9	8.6	10.3	20.6	29.2	48.0	65.2	188.7	310.5	377.4
87.5°	1.7	1.7	3.4	3.4	5.1	6.9	8.6	8.6	6.9	5.1	34.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560620

CATALOG NUMBER: SDL-PA1-50-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4
2.5°	1194.0	1183.7	1176.8	1164.8	1152.8	1142.5	1130.5	1115.1	1103.1	1087.6	1072.2
5°	1032.7	1104.8	1178.5	1171.7	1163.1	1139.1	1115.1	1087.6	1061.9	1031.0	1000.1
7.5°	1012.1	1010.4	940.1	976.1	1010.4	983.0	955.5	924.7	890.3	830.3	770.3
10°	751.4	756.5	754.8	763.4	772.0	794.3	814.9	770.3	727.4	633.0	537.0
12.5°	686.2	718.8	727.4	669.0	610.7	634.7	658.8	614.1	571.3	483.8	396.3
15°	557.5	473.5	593.6	672.5	749.7	761.7	772.0	713.6	645.0	524.9	403.1
17.5°	636.4	665.6	631.3	633.0	633.0	634.7	636.4	583.3	514.6	423.7	332.8
20°	578.1	569.5	573.0	629.6	686.2	723.9	760.0	679.3	591.8	451.2	308.8
22.5°	543.8	655.3	703.4	679.3	655.3	595.3	533.5	471.8	399.7	329.4	257.3
25°	605.6	547.2	585.0	677.6	770.3	770.3	770.3	663.9	545.5	394.6	243.6
27.5°	569.5	650.2	687.9	761.7	833.7	864.6	893.8	758.3	602.1	415.2	226.4
30°	612.4	650.2	784.0	931.5	1079.0	1053.3	1025.9	852.6	655.3	435.7	216.2
32.5°	650.2	756.5	874.9	986.4	1097.9	1068.8	1037.9	845.7	624.4	392.8	161.3
35°	701.6	770.3	880.1	1015.6	1151.1	1106.5	1060.2	849.2	600.4	360.3	120.1
37.5°	732.5	808.0	926.4	1068.8	1209.4	1154.5	1099.6	864.6	579.8	336.2	92.6
40°	790.8	866.3	984.7	1133.9	1283.2	1219.7	1154.5	892.1	567.8	322.5	77.2
42.5°	898.9	933.2	1065.3	1223.2	1381.0	1314.1	1245.5	950.4	564.4	315.7	66.9
45°	1012.1	1034.4	1151.1	1327.8	1502.8	1434.2	1363.8	1022.4	576.4	320.8	63.5
47.5°	1135.7	1147.7	1254.0	1473.6	1693.2	1598.8	1504.5	1121.9	602.1	331.1	60.0
50°	1278.0	1278.0	1381.0	1617.7	1854.5	1756.7	1658.9	1238.6	634.7	346.5	58.3
52.5°	1413.6	1432.4	1511.4	1753.2	1995.1	1904.2	1811.6	1367.3	677.6	367.1	54.9
55°	1552.5	1612.6	1641.7	1888.8	2135.8	2031.2	1926.5	1461.6	703.4	377.4	51.5
57.5°	1724.1	1787.5	1803.0	2012.3	2221.6	2120.4	2017.4	1542.2	722.2	386.0	49.7
60°	1880.2	1952.2	1983.1	2137.5	2290.2	2185.5	2080.9	1612.6	739.4	392.8	44.6
62.5°	2024.3	2079.2	2127.2	2226.7	2326.2	2228.4	2128.9	1674.3	749.7	394.6	39.5
65°	2128.9	2178.7	2247.3	2303.9	2360.5	2286.8	2213.0	1780.7	778.8	404.9	29.2
67.5°	2305.6	2310.8	2350.2	2396.6	2442.9	2403.4	2364.0	1928.2	813.1	418.6	22.3
70°	2664.2	2605.8	2554.4	2600.7	2645.3	2590.4	2535.5	1971.1	734.2	375.7	17.2
72.5°	3120.5	3218.3	2969.5	2873.5	2775.7	2573.2	2369.1	1696.6	521.5	267.6	13.7
75°	3009.0	3504.8	3259.4	2873.5	2487.5	2175.3	1861.3	1272.9	320.8	166.4	10.3
77.5°	2377.7	2909.5	2822.0	2424.0	2024.3	1640.0	1255.7	782.3	113.2	61.8	10.3
80°	1501.1	2012.3	1936.8	1574.8	1211.1	861.2	511.2	238.5	42.9	27.4	12.0
82.5°	910.9	1199.1	941.8	590.1	238.5	168.1	97.8	51.5	13.7	12.0	10.3
85°	442.6	495.8	324.2	187.0	48.0	44.6	39.5	25.7	6.9	6.9	5.1
87.5°	61.8	44.6	27.4	18.9	8.6	8.6	8.6	5.1	5.1	5.1	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560620

CATALOG NUMBER: SDL-PA1-50-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4
2.5°	1060.2	1046.5	1031.0	1015.6	998.4	981.3	931.5	880.1	852.6	823.4	816.6
5°	943.5	886.9	816.6	744.5	713.6	682.8	667.3	650.2	639.9	627.9	617.6
7.5°	691.3	610.7	610.7	609.0	583.3	557.5	528.4	497.5	478.6	459.8	410.0
10°	494.1	449.5	418.6	387.7	375.7	363.7	325.9	286.5	289.9	291.6	281.3
12.5°	382.6	367.1	310.5	253.9	235.0	216.2	204.1	192.1	175.0	157.8	145.8
15°	327.7	252.2	209.3	166.4	147.5	126.9	109.8	90.9	85.8	78.9	87.5
17.5°	269.3	204.1	163.0	121.8	94.4	66.9	70.3	73.8	80.6	87.5	90.9
20°	231.6	154.4	118.4	82.3	73.8	65.2	68.6	70.3	68.6	65.2	75.5
22.5°	188.7	120.1	90.9	60.0	61.8	63.5	58.3	53.2	63.5	73.8	73.8
25°	161.3	78.9	70.3	61.8	56.6	51.5	58.3	63.5	60.0	56.6	65.2
27.5°	147.5	68.6	60.0	51.5	53.2	54.9	53.2	49.7	54.9	60.0	58.3
30°	140.7	63.5	58.3	51.5	49.7	46.3	48.0	48.0	46.3	44.6	49.7
32.5°	113.2	65.2	56.6	46.3	44.6	41.2	39.5	37.7	39.5	41.2	42.9
35°	90.9	60.0	53.2	44.6	41.2	37.7	36.0	32.6	32.6	32.6	34.3
37.5°	73.8	54.9	48.0	39.5	36.0	32.6	30.9	27.4	27.4	27.4	27.4
40°	65.2	51.5	44.6	36.0	32.6	27.4	25.7	22.3	22.3	20.6	20.6
42.5°	56.6	46.3	39.5	30.9	27.4	24.0	20.6	17.2	17.2	15.4	15.4
45°	53.2	42.9	36.0	29.2	24.0	18.9	17.2	13.7	13.7	12.0	12.0
47.5°	51.5	41.2	34.3	25.7	20.6	15.4	13.7	10.3	10.3	10.3	10.3
50°	48.0	37.7	30.9	22.3	18.9	13.7	12.0	8.6	8.6	8.6	8.6
52.5°	46.3	36.0	27.4	18.9	15.4	10.3	8.6	6.9	6.9	6.9	6.9
55°	44.6	37.7	27.4	17.2	13.7	8.6	6.9	5.1	5.1	5.1	5.1
57.5°	42.9	36.0	25.7	13.7	10.3	6.9	5.1	3.4	3.4	3.4	3.4
60°	37.7	30.9	20.6	10.3	8.6	5.1	3.4	1.7	3.4	3.4	3.4
62.5°	32.6	24.0	17.2	8.6	6.9	3.4	3.4	1.7	3.4	3.4	3.4
65°	24.0	18.9	13.7	6.9	5.1	1.7	1.7	1.7	3.4	3.4	3.4
67.5°	18.9	13.7	10.3	5.1	3.4	1.7	1.7	1.7	3.4	3.4	3.4
70°	13.7	10.3	6.9	3.4	3.4	1.7	1.7	1.7	3.4	3.4	3.4
72.5°	10.3	6.9	5.1	3.4	3.4	1.7	3.4	3.4	3.4	3.4	3.4
75°	8.6	6.9	5.1	3.4	3.4	1.7	3.4	3.4	5.1	5.1	5.1
77.5°	8.6	5.1	5.1	3.4	3.4	1.7	3.4	5.1	5.1	5.1	5.1
80°	8.6	5.1	5.1	3.4	3.4	1.7	3.4	5.1	5.1	5.1	5.1
82.5°	8.6	5.1	5.1	3.4	3.4	1.7	3.4	5.1	5.1	5.1	5.1
85°	5.1	5.1	5.1	5.1	3.4	1.7	5.1	6.9	6.9	5.1	5.1
87.5°	3.4	3.4	5.1	5.1	3.4	1.7	5.1	6.9	6.9	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560620

CATALOG NUMBER: SDL-PA1-50-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1125.4	1125.4	1125.4	1125.4
2.5°	808.0	799.4	789.1	809.7
5°	607.3	600.4	593.6	605.6
7.5°	360.3	362.0	362.0	343.1
10°	269.3	253.9	236.7	236.7
12.5°	133.8	123.5	113.2	111.5
15°	96.1	97.8	99.5	99.5
17.5°	94.4	90.9	85.8	82.3
20°	84.1	87.5	89.2	89.2
22.5°	73.8	72.1	68.6	68.6
25°	73.8	75.5	77.2	77.2
27.5°	56.6	56.6	54.9	54.9
30°	54.9	54.9	54.9	54.9
32.5°	42.9	44.6	44.6	44.6
35°	36.0	36.0	36.0	36.0
37.5°	27.4	27.4	27.4	25.7
40°	20.6	20.6	20.6	20.6
42.5°	15.4	15.4	15.4	15.4
45°	12.0	12.0	12.0	12.0
47.5°	10.3	10.3	8.6	8.6
50°	6.9	6.9	6.9	6.9
52.5°	5.1	5.1	5.1	5.1
55°	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4
60°	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7
72.5°	3.4	3.4	1.7	1.7
75°	3.4	3.4	1.7	1.7
77.5°	3.4	3.4	1.7	1.7
80°	3.4	3.4	1.7	1.7
82.5°	3.4	3.4	1.7	1.7
85°	3.4	3.4	3.4	1.7
87.5°	3.4	3.4	3.4	1.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)