

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: P560466

Luminaire Tested: **SDL-PA1-40-830-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560466
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-PA1-40-830-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 500mA 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: 3290.2 lumens
Efficiency: N/A
Efficacy: 83.5 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 - G1

Input Watts (W): 39.4
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

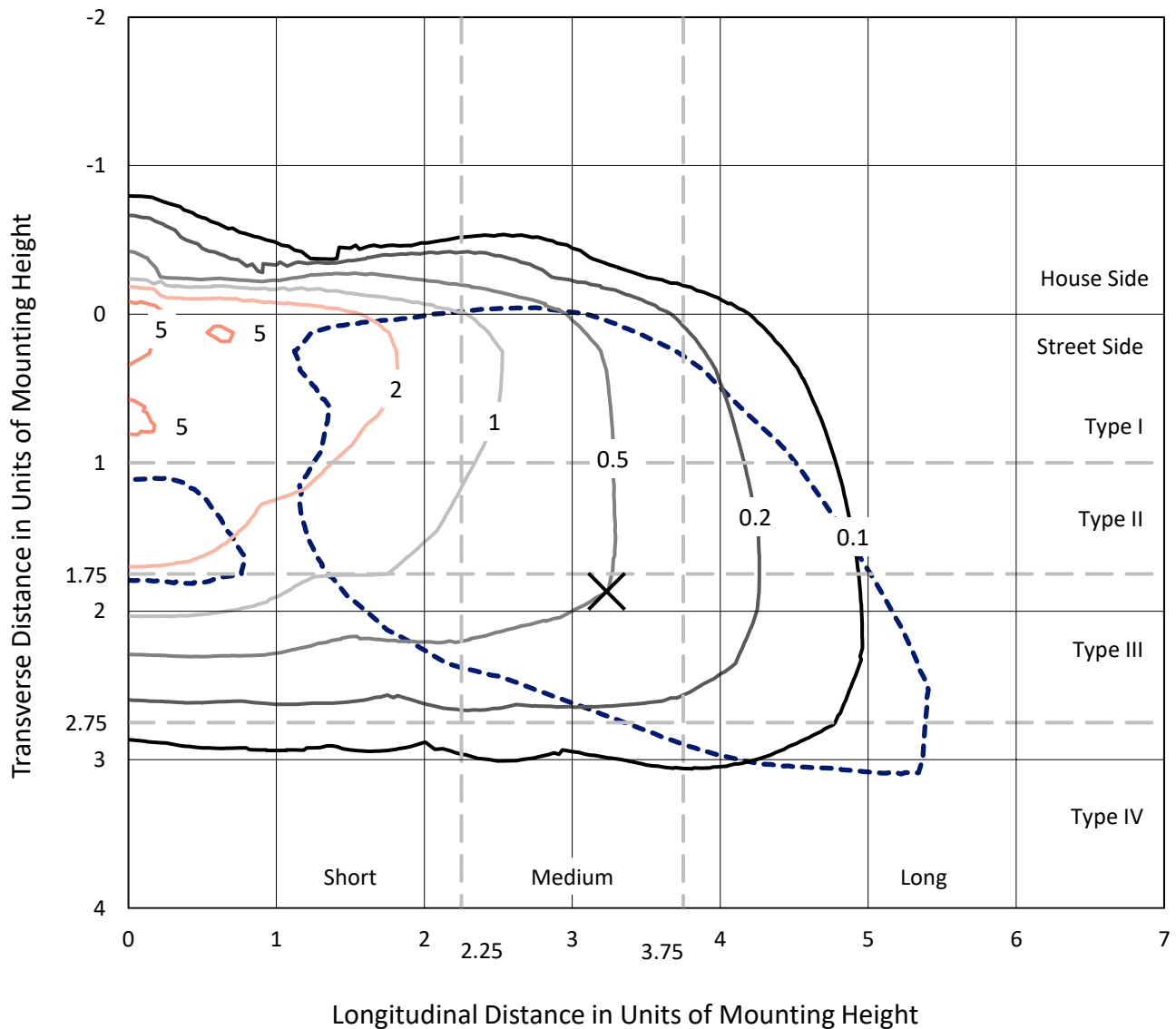


REPORT NUMBER: P560466

CATALOG NUMBER: SDL-PA1-40-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

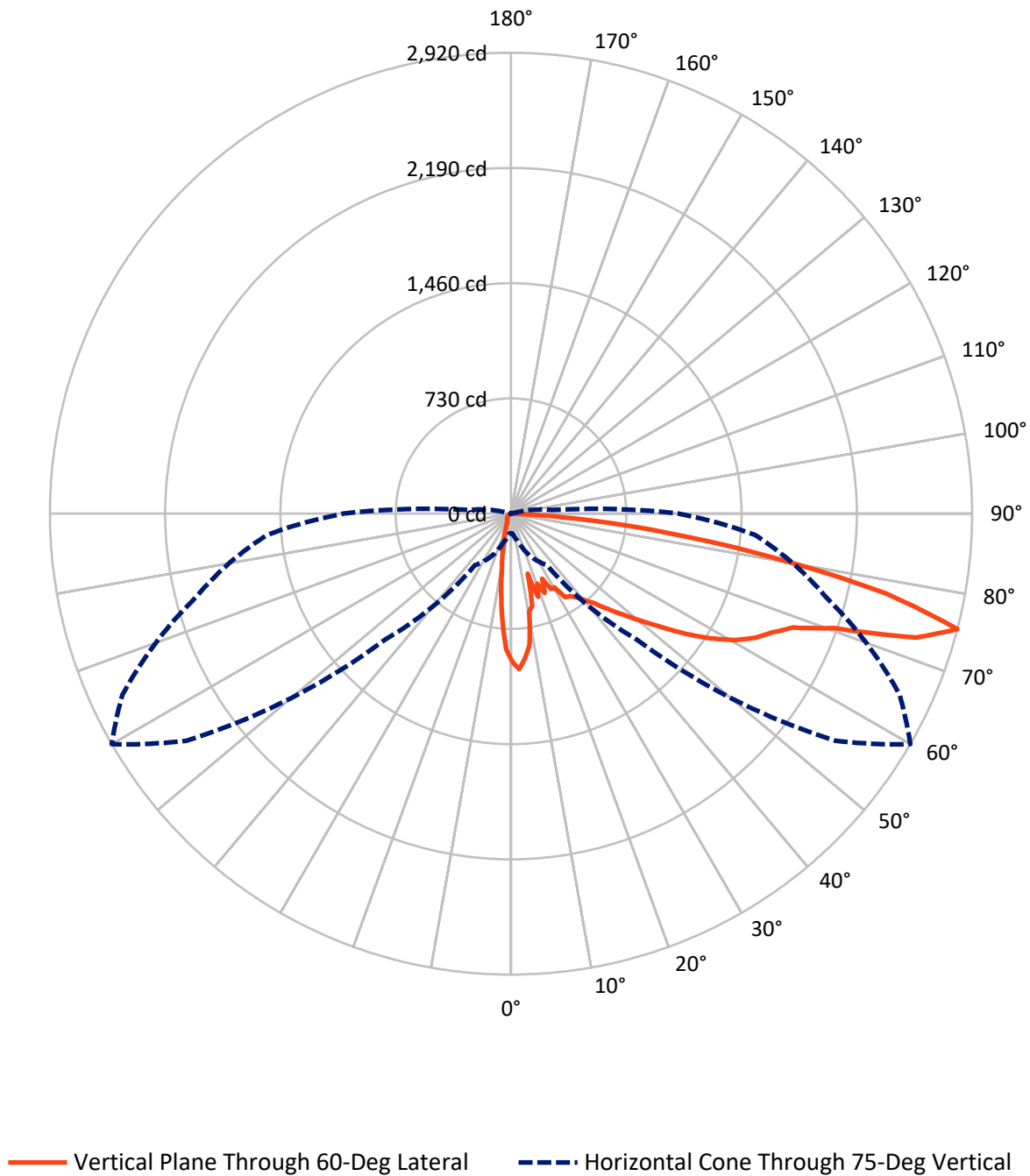


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560466

CATALOG NUMBER: SDL-PA1-40-830-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560466

CATALOG NUMBER: SDL-PA1-40-830-U-SL3-HSS

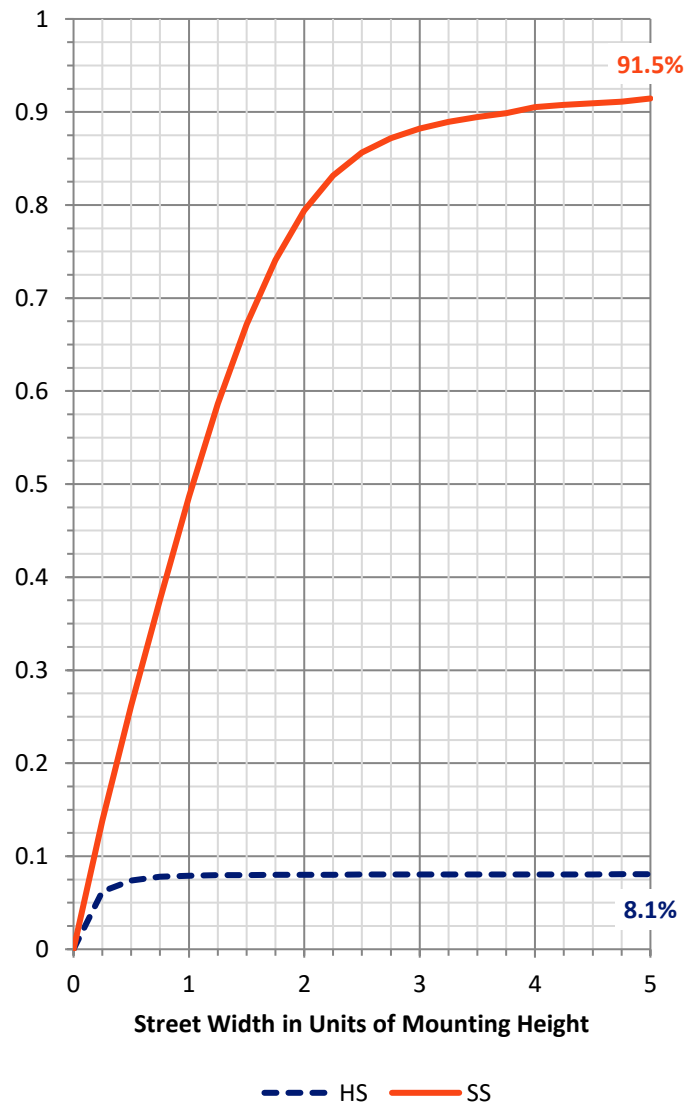
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	268.1	0.0	268.1
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3022.2	0.0	3022.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	3290.2	0.0	3290.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	2.0
10°-20°	107.6	3.3
20°-30°	154.2	4.7
30°-40°	274.6	8.3
40°-50°	452.0	13.7
50°-60°	696.9	21.2
60°-70°	812.2	24.7
70°-80°	629.4	19.1
80°-90°	98.3	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°	3290.2	100.0
0°-180°	3290.2	100.0

Coefficient of Utilization



REPORT NUMBER: P560466

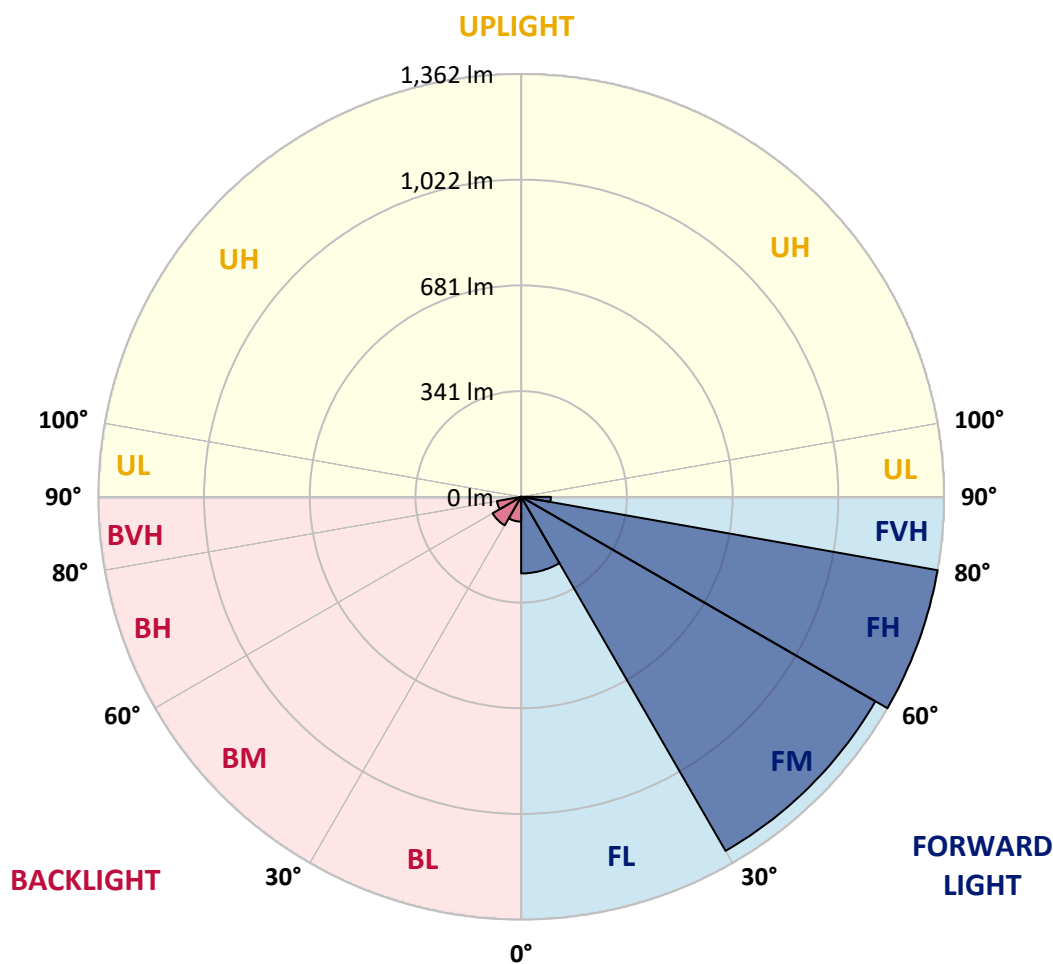
CATALOG NUMBER: SDL-PA1-40-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	246.8	7.5			
FM	(30°-60°)	1317.4	40.0			
FH	(60°-80°)	1362.4	41.4			G1/1800
FVH	(80°-90°)	95.6	2.9			G1/100
BL	(0°-30°)	79.9	2.4	B0/110		
BM	(30°-60°)	106.1	3.2	B0/220		
BH	(60°-80°)	79.3	2.4	B0/110		G0/110
BVH	(80°-90°)	2.7	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-G1

Type IV Medium



REPORT NUMBER: P560466

CATALOG NUMBER: SDL-PA1-40-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6
2.5°	876.1	909.0	929.0	947.6	971.9	996.2	997.6	999.0	999.0	999.0	997.6
5°	846.1	849.0	849.0	849.0	853.3	857.5	860.4	861.8	863.3	863.3	861.8
7.5°	661.7	714.6	747.5	778.9	787.5	796.1	807.5	817.5	826.1	833.2	839.0
10°	733.2	738.9	738.9	737.5	744.6	750.3	694.6	637.4	660.3	683.2	654.6
12.5°	566.0	594.6	630.3	664.6	687.5	710.3	684.6	658.9	618.9	577.4	574.6
15°	661.7	666.0	667.5	668.9	630.3	590.3	543.1	494.5	527.4	560.3	513.1
17.5°	508.8	513.1	553.1	593.1	597.4	601.7	571.7	540.3	471.6	403.0	467.4
20°	608.9	611.7	611.7	611.7	536.0	460.2	465.9	470.2	491.7	513.1	497.4
22.5°	490.2	484.5	487.4	488.8	511.7	533.1	488.8	443.1	475.9	507.4	480.2
25°	613.1	614.6	606.0	596.0	528.8	460.2	484.5	507.4	468.8	428.8	467.4
27.5°	554.5	548.8	528.8	508.8	518.8	528.8	483.1	435.9	473.1	508.8	491.7
30°	730.3	727.5	701.8	674.6	594.6	513.1	504.5	494.5	473.1	450.2	480.2
32.5°	974.7	940.4	844.7	747.5	697.5	646.0	583.1	520.2	527.4	533.1	537.4
35°	1029.0	1013.3	971.9	930.4	853.3	774.6	688.9	601.7	581.7	561.7	573.1
37.5°	1043.3	1037.6	1031.9	1024.8	933.3	841.8	756.1	668.9	653.2	636.0	623.1
40°	1057.6	1063.3	1080.5	1096.2	1010.5	924.7	844.7	763.2	744.6	726.1	693.2
42.5°	1114.8	1119.1	1144.8	1170.5	1087.6	1003.3	933.3	863.3	836.1	808.9	778.9
45°	1236.3	1240.6	1254.9	1269.2	1192.0	1113.4	1036.2	957.6	936.1	913.3	879.0
47.5°	1404.9	1409.2	1402.1	1394.9	1306.3	1216.3	1124.8	1033.3	1026.2	1019.0	983.3
50°	1597.9	1592.2	1553.6	1515.0	1417.8	1320.6	1213.4	1104.8	1110.5	1116.2	1090.5
52.5°	1686.5	1683.6	1639.3	1595.0	1495.0	1393.5	1282.0	1169.1	1189.1	1207.7	1193.4
55°	1680.8	1679.3	1649.3	1619.3	1525.0	1430.7	1326.3	1222.0	1267.7	1312.0	1303.5
57.5°	1617.9	1620.8	1616.5	1612.2	1529.3	1446.4	1362.1	1277.7	1346.3	1413.5	1424.9
60°	1519.3	1519.3	1540.7	1560.7	1512.1	1462.1	1392.1	1320.6	1414.9	1509.3	1537.9
62.5°	1313.5	1336.3	1382.1	1427.8	1443.5	1459.2	1402.1	1344.9	1475.0	1605.0	1646.5
65°	1011.9	1021.9	1104.8	1187.7	1264.9	1340.6	1344.9	1349.2	1547.9	1745.1	1759.4
67.5°	587.4	628.9	720.3	810.4	961.9	1111.9	1189.1	1266.3	1579.3	1890.9	1906.6
70°	308.7	325.9	370.2	413.0	548.8	683.2	874.7	1064.8	1506.4	1946.6	2083.8
72.5°	211.5	227.2	251.5	275.8	327.3	377.3	514.5	650.3	1199.1	1748.0	2173.9
75°	124.3	128.6	158.6	188.7	244.4	300.1	350.2	398.8	763.2	1126.2	1816.6
77.5°	50.0	54.3	67.2	80.0	158.6	235.8	287.3	338.7	425.9	513.1	1247.7
80°	27.2	27.2	32.9	37.2	71.5	104.3	192.9	281.6	324.4	367.3	808.9
82.5°	15.7	15.7	20.0	22.9	35.7	48.6	110.1	171.5	253.0	333.0	546.0
85°	5.7	5.7	7.1	8.6	17.2	24.3	40.0	54.3	157.2	258.7	314.4
87.5°	1.4	1.4	2.9	2.9	4.3	5.7	7.1	7.1	5.7	4.3	28.6
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: P560466

CATALOG NUMBER: SDL-PA1-40-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6
2.5°	994.7	986.2	980.5	970.4	960.4	951.9	941.9	929.0	919.0	906.1	893.3
5°	860.4	920.4	981.9	976.2	969.0	949.0	929.0	906.1	884.7	859.0	833.2
7.5°	843.2	841.8	783.2	813.2	841.8	819.0	796.1	770.4	741.8	691.7	641.7
10°	626.0	630.3	628.9	636.0	643.2	661.7	678.9	641.7	606.0	527.4	447.4
12.5°	571.7	598.8	606.0	557.4	508.8	528.8	548.8	511.7	475.9	403.0	330.2
15°	464.5	394.5	494.5	560.3	624.6	634.6	643.2	594.6	537.4	437.3	335.9
17.5°	530.2	554.5	526.0	527.4	527.4	528.8	530.2	485.9	428.8	353.0	277.3
20°	481.7	474.5	477.4	524.5	571.7	603.1	633.2	566.0	493.1	375.9	257.3
22.5°	453.1	546.0	586.0	566.0	546.0	495.9	444.5	393.0	333.0	274.4	214.4
25°	504.5	455.9	487.4	564.5	641.7	641.7	641.7	553.1	454.5	328.7	203.0
27.5°	474.5	541.7	573.1	634.6	694.6	720.3	744.6	631.7	501.7	345.9	188.7
30°	510.2	541.7	653.2	776.1	899.0	877.5	854.7	710.3	546.0	363.0	180.1
32.5°	541.7	630.3	728.9	821.8	914.7	890.4	864.7	704.6	520.2	327.3	134.3
35°	584.6	641.7	733.2	846.1	959.0	921.9	883.3	707.5	500.2	300.1	100.0
37.5°	610.3	673.2	771.8	890.4	1007.6	961.9	916.1	720.3	483.1	280.1	77.2
40°	658.9	721.8	820.4	944.7	1069.1	1016.2	961.9	743.2	473.1	268.7	64.3
42.5°	748.9	777.5	887.6	1019.0	1150.5	1094.8	1037.6	791.8	470.2	263.0	55.7
45°	843.2	861.8	959.0	1106.2	1252.0	1194.8	1136.2	851.8	480.2	267.3	52.9
47.5°	946.2	956.2	1044.8	1227.7	1410.7	1332.0	1253.4	934.7	501.7	275.8	50.0
50°	1064.8	1064.8	1150.5	1347.8	1545.0	1463.5	1382.1	1031.9	528.8	288.7	48.6
52.5°	1177.7	1193.4	1259.2	1460.7	1662.2	1586.4	1509.3	1139.1	564.5	305.9	45.7
55°	1293.5	1343.5	1367.8	1573.6	1779.4	1692.2	1605.0	1217.7	586.0	314.4	42.9
57.5°	1436.4	1489.3	1502.1	1676.5	1850.9	1766.5	1680.8	1284.9	601.7	321.6	41.4
60°	1566.4	1626.5	1652.2	1780.8	1908.0	1820.8	1733.7	1343.5	616.0	327.3	37.2
62.5°	1686.5	1732.2	1772.2	1855.1	1938.0	1856.6	1773.7	1394.9	624.6	328.7	32.9
65°	1773.7	1815.1	1872.3	1919.5	1966.6	1905.2	1843.7	1483.5	648.9	337.3	24.3
67.5°	1920.9	1925.2	1958.1	1996.6	2035.2	2002.4	1969.5	1606.5	677.5	348.7	18.6
70°	2219.6	2171.0	2128.1	2166.7	2203.9	2158.1	2112.4	1642.2	611.7	313.0	14.3
72.5°	2599.8	2681.2	2474.0	2394.0	2312.5	2143.9	1973.8	1413.5	434.5	223.0	11.4
75°	2506.9	2919.9	2715.5	2394.0	2072.4	1812.3	1550.7	1060.5	267.3	138.6	8.6
77.5°	1980.9	2424.0	2351.1	2019.5	1686.5	1366.3	1046.2	651.7	94.3	51.5	8.6
80°	1250.6	1676.5	1613.6	1312.0	1009.0	717.5	425.9	198.7	35.7	22.9	10.0
82.5°	758.9	999.0	784.6	491.7	198.7	140.1	81.5	42.9	11.4	10.0	8.6
85°	368.7	413.0	270.1	155.8	40.0	37.2	32.9	21.4	5.7	5.7	4.3
87.5°	51.5	37.2	22.9	15.7	7.1	7.1	7.1	4.3	4.3	4.3	2.9
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: P560466

CATALOG NUMBER: SDL-PA1-40-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6
2.5°	883.3	871.8	859.0	846.1	831.8	817.5	776.1	733.2	710.3	686.0	680.3
5°	786.1	738.9	680.3	620.3	594.6	568.8	556.0	541.7	533.1	523.1	514.5
7.5°	576.0	508.8	508.8	507.4	485.9	464.5	440.2	414.5	398.8	383.0	341.6
10°	411.6	374.5	348.7	323.0	313.0	303.0	271.6	238.7	241.5	243.0	234.4
12.5°	318.7	305.9	258.7	211.5	195.8	180.1	170.1	160.1	145.8	131.5	121.5
15°	273.0	210.1	174.4	138.6	122.9	105.8	91.5	75.7	71.5	65.7	72.9
17.5°	224.4	170.1	135.8	101.5	78.6	55.7	58.6	61.5	67.2	72.9	75.7
20°	192.9	128.6	98.6	68.6	61.5	54.3	57.2	58.6	57.2	54.3	62.9
22.5°	157.2	100.0	75.7	50.0	51.5	52.9	48.6	44.3	52.9	61.5	61.5
25°	134.3	65.7	58.6	51.5	47.2	42.9	48.6	52.9	50.0	47.2	54.3
27.5°	122.9	57.2	50.0	42.9	44.3	45.7	44.3	41.4	45.7	50.0	48.6
30°	117.2	52.9	48.6	42.9	41.4	38.6	40.0	40.0	38.6	37.2	41.4
32.5°	94.3	54.3	47.2	38.6	37.2	34.3	32.9	31.4	32.9	34.3	35.7
35°	75.7	50.0	44.3	37.2	34.3	31.4	30.0	27.2	27.2	27.2	28.6
37.5°	61.5	45.7	40.0	32.9	30.0	27.2	25.7	22.9	22.9	22.9	22.9
40°	54.3	42.9	37.2	30.0	27.2	22.9	21.4	18.6	18.6	17.2	17.2
42.5°	47.2	38.6	32.9	25.7	22.9	20.0	17.2	14.3	14.3	12.9	12.9
45°	44.3	35.7	30.0	24.3	20.0	15.7	14.3	11.4	11.4	10.0	10.0
47.5°	42.9	34.3	28.6	21.4	17.2	12.9	11.4	8.6	8.6	8.6	8.6
50°	40.0	31.4	25.7	18.6	15.7	11.4	10.0	7.1	7.1	7.1	7.1
52.5°	38.6	30.0	22.9	15.7	12.9	8.6	7.1	5.7	5.7	5.7	5.7
55°	37.2	31.4	22.9	14.3	11.4	7.1	5.7	4.3	4.3	4.3	4.3
57.5°	35.7	30.0	21.4	11.4	8.6	5.7	4.3	2.9	2.9	2.9	2.9
60°	31.4	25.7	17.2	8.6	7.1	4.3	2.9	1.4	2.9	2.9	2.9
62.5°	27.2	20.0	14.3	7.1	5.7	2.9	2.9	1.4	2.9	2.9	2.9
65°	20.0	15.7	11.4	5.7	4.3	1.4	1.4	1.4	2.9	2.9	2.9
67.5°	15.7	11.4	8.6	4.3	2.9	1.4	1.4	1.4	2.9	2.9	2.9
70°	11.4	8.6	5.7	2.9	2.9	1.4	1.4	1.4	2.9	2.9	2.9
72.5°	8.6	5.7	4.3	2.9	2.9	1.4	2.9	2.9	2.9	2.9	2.9
75°	7.1	5.7	4.3	2.9	2.9	1.4	2.9	2.9	4.3	4.3	4.3
77.5°	7.1	4.3	4.3	2.9	2.9	1.4	2.9	4.3	4.3	4.3	4.3
80°	7.1	4.3	4.3	2.9	2.9	1.4	2.9	4.3	4.3	4.3	4.3
82.5°	7.1	4.3	4.3	2.9	2.9	1.4	2.9	4.3	4.3	4.3	4.3
85°	4.3	4.3	4.3	4.3	2.9	1.4	4.3	5.7	5.7	4.3	4.3
87.5°	2.9	2.9	4.3	4.3	2.9	1.4	4.3	5.7	5.7	4.3	4.3
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: P560466

CATALOG NUMBER: SDL-PA1-40-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	937.6	937.6	937.6	937.6
2.5°	673.2	666.0	657.4	674.6
5°	505.9	500.2	494.5	504.5
7.5°	300.1	301.6	301.6	285.8
10°	224.4	211.5	197.2	197.2
12.5°	111.5	102.9	94.3	92.9
15°	80.0	81.5	82.9	82.9
17.5°	78.6	75.7	71.5	68.6
20°	70.0	72.9	74.3	74.3
22.5°	61.5	60.0	57.2	57.2
25°	61.5	62.9	64.3	64.3
27.5°	47.2	47.2	45.7	45.7
30°	45.7	45.7	45.7	45.7
32.5°	35.7	37.2	37.2	37.2
35°	30.0	30.0	30.0	30.0
37.5°	22.9	22.9	22.9	21.4
40°	17.2	17.2	17.2	17.2
42.5°	12.9	12.9	12.9	12.9
45°	10.0	10.0	10.0	10.0
47.5°	8.6	8.6	7.1	7.1
50°	5.7	5.7	5.7	5.7
52.5°	4.3	4.3	4.3	4.3
55°	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	2.9	2.9
60°	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4
72.5°	2.9	2.9	1.4	1.4
75°	2.9	2.9	1.4	1.4
77.5°	2.9	2.9	1.4	1.4
80°	2.9	2.9	1.4	1.4
82.5°	2.9	2.9	1.4	1.4
85°	2.9	2.9	2.9	1.4
87.5°	2.9	2.9	2.9	1.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)