

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: P559916

Luminaire Tested: **SDL-PA1-100-827-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559916
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-PA1-100-827-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 1200mA 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: 6334.1 lumens
Efficiency: N/A
Efficacy: 67.5 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: B1 - U0 - G2

Input Watts (W): 93.8
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

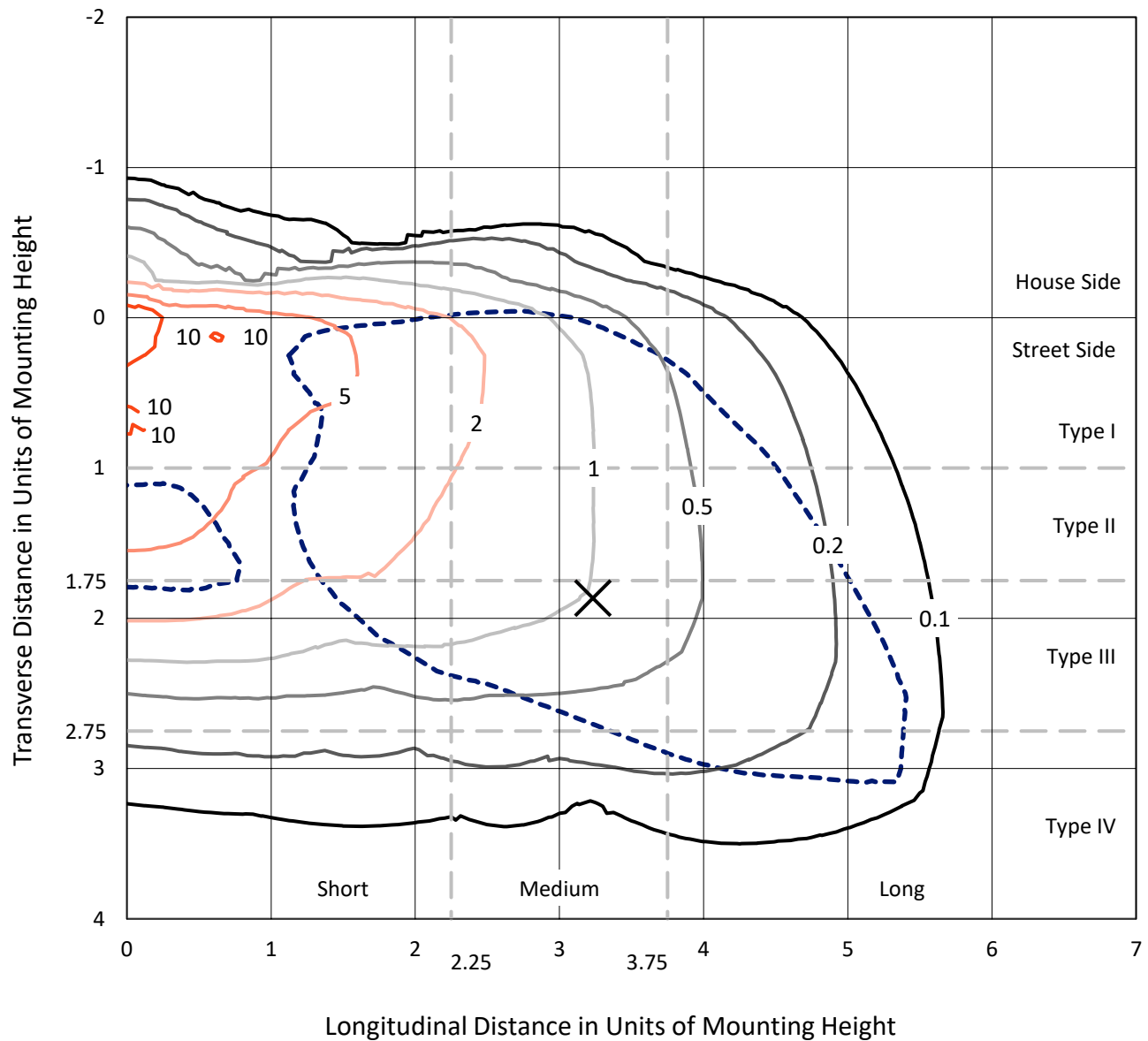


REPORT NUMBER: P559916

CATALOG NUMBER: SDL-PA1-100-827-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

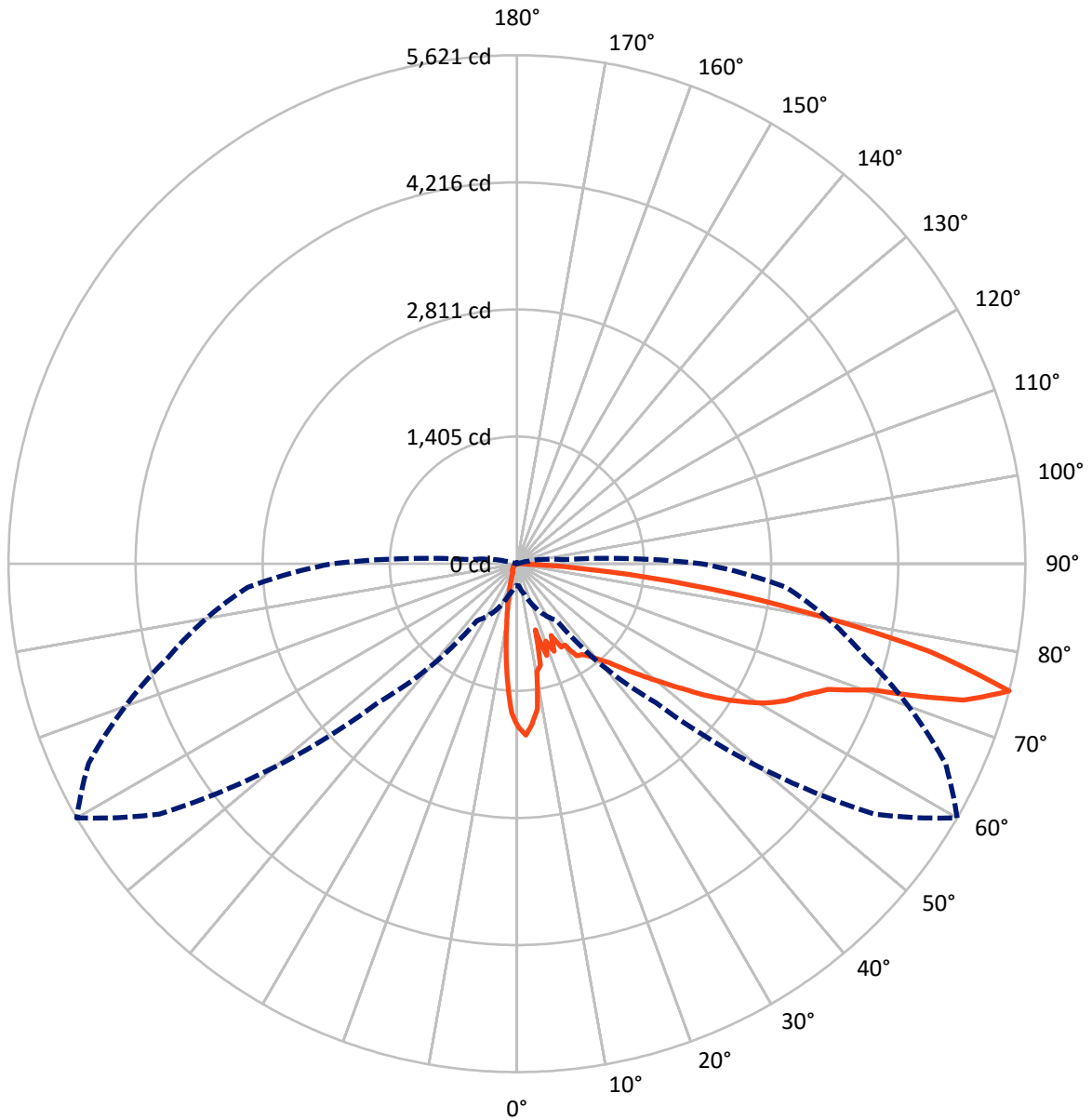
× Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 fc
Type IV - Medium - N/A

REPORT NUMBER: P559916
CATALOG NUMBER: SDL-PA1-100-827-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P559916

CATALOG NUMBER: SDL-PA1-100-827-U-SL3-HSS

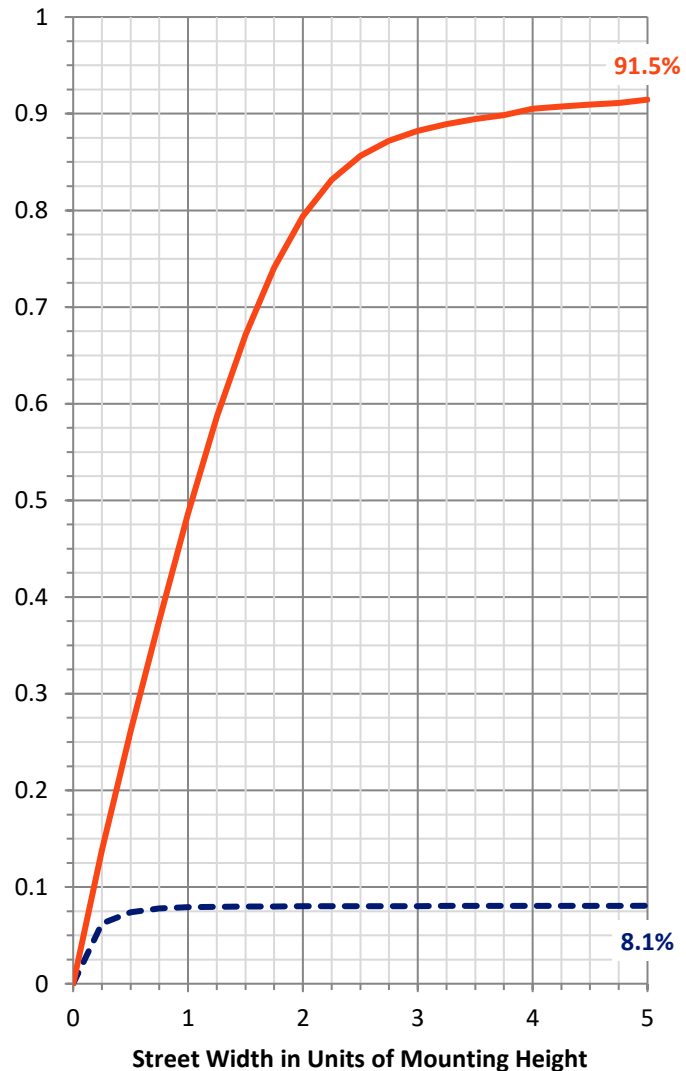
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.0	0.0	516.0
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5818.1	0.0	5818.1
	% Fixture	91.9	0.0	91.9
Total	Lumens	6334.1	0.0	6334.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	2.0
10°-20°	207.2	3.3
20°-30°	296.9	4.7
30°-40°	528.7	8.3
40°-50°	870.1	13.7
50°-60°	1341.7	21.2
60°-70°	1563.7	24.7
70°-80°	1211.8	19.1
80°-90°	189.2	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°	6334.1	100.0
0°-180°	6334.1	100.0



REPORT NUMBER: P559916

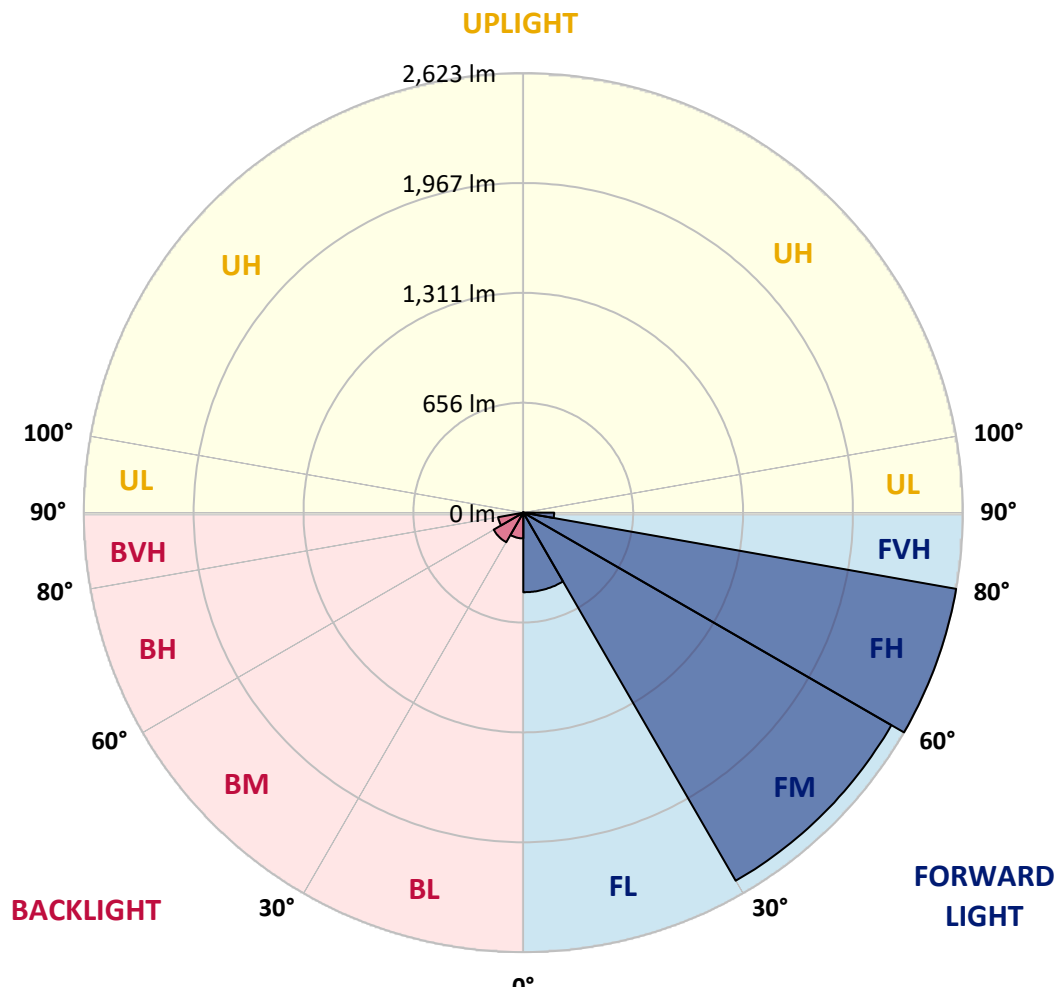
CATALOG NUMBER: SDL-PA1-100-827-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	475.2	7.5			
FM	(30°-60°)	2536.2	40.0			
FH	(60°-80°)	2622.7	41.4			G2/5000
FVH	(80°-90°)	184.0	2.9			G2/225
BL	(0°-30°)	153.8	2.4	B1/500		
BM	(30°-60°)	204.3	3.2	B0/220		
BH	(60°-80°)	152.7	2.4	B1/500		G1/500
BVH	(80°-90°)	5.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





REPORT NUMBER: P559916

CATALOG NUMBER: SDL-PA1-100-827-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0
2.5°	1686.6	1749.9	1788.4	1824.2	1871.0	1917.8	1920.5	1923.3	1923.3	1923.3	1920.5
5°	1628.9	1634.4	1634.4	1634.4	1642.6	1650.9	1656.4	1659.1	1661.9	1661.9	1659.1
7.5°	1273.9	1375.7	1439.0	1499.5	1516.1	1532.6	1554.6	1573.8	1590.3	1604.1	1615.1
10°	1411.5	1422.5	1422.5	1419.8	1433.5	1444.5	1337.2	1227.1	1271.2	1315.2	1260.2
12.5°	1089.6	1144.6	1213.4	1279.4	1323.5	1367.5	1317.9	1268.4	1191.4	1111.6	1106.1
15°	1273.9	1282.2	1284.9	1287.7	1213.4	1136.4	1045.6	952.0	1015.3	1078.6	987.8
17.5°	979.5	987.8	1064.8	1141.9	1150.1	1158.4	1100.6	1040.1	908.0	775.9	899.7
20°	1172.1	1177.6	1177.6	1177.6	1031.8	886.0	897.0	905.2	946.5	987.8	957.5
22.5°	943.7	932.7	938.2	941.0	985.0	1026.3	941.0	853.0	916.2	976.8	924.5
25°	1180.4	1183.1	1166.6	1147.4	1018.0	886.0	932.7	976.8	902.5	825.4	899.7
27.5°	1067.6	1056.6	1018.0	979.5	998.8	1018.0	930.0	839.2	910.7	979.5	946.5
30°	1406.0	1400.5	1351.0	1298.7	1144.6	987.8	971.3	952.0	910.7	866.7	924.5
32.5°	1876.5	1810.5	1626.1	1439.0	1342.7	1243.7	1122.6	1001.5	1015.3	1026.3	1034.5
35°	1981.0	1950.8	1871.0	1791.2	1642.6	1491.3	1326.2	1158.4	1119.8	1081.3	1103.3
37.5°	2008.6	1997.6	1986.6	1972.8	1796.7	1620.6	1455.5	1287.7	1257.4	1224.4	1199.6
40°	2036.1	2047.1	2080.1	2110.4	1945.3	1780.2	1626.1	1469.3	1433.5	1397.7	1334.5
42.5°	2146.1	2154.4	2203.9	2253.4	2093.9	1931.5	1796.7	1661.9	1609.6	1557.3	1499.5
45°	2380.0	2388.3	2415.8	2443.3	2294.7	2143.4	1994.8	1843.5	1802.2	1758.2	1692.1
47.5°	2704.7	2712.9	2699.2	2685.4	2514.8	2341.5	2165.4	1989.3	1975.5	1961.8	1893.0
50°	3076.1	3065.1	2990.8	2916.5	2729.4	2542.3	2336.0	2126.9	2137.9	2148.9	2099.4
52.5°	3246.7	3241.2	3155.9	3070.6	2878.0	2682.7	2468.1	2250.7	2289.2	2325.0	2297.5
55°	3235.7	3233.0	3175.2	3117.4	2935.8	2754.2	2553.4	2352.5	2440.5	2525.8	2509.3
57.5°	3114.6	3120.2	3111.9	3103.6	2944.1	2784.5	2622.1	2459.8	2591.9	2721.2	2743.2
60°	2924.8	2924.8	2966.1	3004.6	2911.0	2814.7	2679.9	2542.3	2723.9	2905.5	2960.6
62.5°	2528.6	2572.6	2660.7	2748.7	2779.0	2809.2	2699.2	2589.1	2839.5	3089.9	3169.7
65°	1948.0	1967.3	2126.9	2286.5	2435.0	2580.9	2589.1	2597.4	2979.8	3359.5	3387.0
67.5°	1130.8	1210.6	1386.7	1560.1	1851.7	2140.6	2289.2	2437.8	3040.4	3640.2	3670.4
70°	594.3	627.3	712.6	795.2	1056.6	1315.2	1683.9	2049.8	2900.0	3747.5	4011.6
72.5°	407.2	437.5	484.3	531.0	630.1	726.4	990.5	1251.9	2308.5	3365.0	4185.0
75°	239.4	247.6	305.4	363.2	470.5	577.8	674.1	767.7	1469.3	2168.1	3497.1
77.5°	96.3	104.6	129.3	154.1	305.4	454.0	553.0	652.1	819.9	987.8	2402.0
80°	52.3	52.3	63.3	71.5	137.6	200.9	371.4	542.0	624.6	707.1	1557.3
82.5°	30.3	30.3	38.5	44.0	68.8	93.5	211.9	330.2	487.0	641.1	1051.1
85°	11.0	11.0	13.8	16.5	33.0	46.8	77.0	104.6	302.7	498.0	605.3
87.5°	2.8	2.8	5.5	5.5	8.3	11.0	13.8	13.8	11.0	8.3	55.0
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: P559916

CATALOG NUMBER: SDL-PA1-100-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0
2.5°	1915.0	1898.5	1887.5	1868.2	1849.0	1832.5	1813.2	1788.4	1769.2	1744.4	1719.7
5°	1656.4	1771.9	1890.3	1879.2	1865.5	1827.0	1788.4	1744.4	1703.2	1653.6	1604.1
7.5°	1623.4	1620.6	1507.8	1565.6	1620.6	1576.6	1532.6	1483.0	1428.0	1331.7	1235.4
10°	1205.1	1213.4	1210.6	1224.4	1238.2	1273.9	1306.9	1235.4	1166.6	1015.3	861.2
12.5°	1100.6	1152.9	1166.6	1073.1	979.5	1018.0	1056.6	985.0	916.2	775.9	635.6
15°	894.2	759.4	952.0	1078.6	1202.4	1221.6	1238.2	1144.6	1034.5	841.9	646.6
17.5°	1020.8	1067.6	1012.5	1015.3	1015.3	1018.0	1020.8	935.5	825.4	679.6	533.8
20°	927.2	913.5	919.0	1009.8	1100.6	1161.1	1218.9	1089.6	949.3	723.6	495.3
22.5°	872.2	1051.1	1128.1	1089.6	1051.1	954.8	855.7	756.7	641.1	528.3	412.7
25°	971.3	877.7	938.2	1086.8	1235.4	1235.4	1235.4	1064.8	875.0	632.8	390.7
27.5°	913.5	1042.8	1103.3	1221.6	1337.2	1386.7	1433.5	1216.1	965.8	665.9	363.2
30°	982.3	1042.8	1257.4	1494.0	1730.7	1689.4	1645.4	1367.5	1051.1	698.9	346.7
32.5°	1042.8	1213.4	1403.2	1582.1	1760.9	1714.2	1664.6	1356.5	1001.5	630.1	258.6
35°	1125.3	1235.4	1411.5	1628.9	1846.2	1774.7	1700.4	1362.0	963.0	577.8	192.6
37.5°	1174.9	1295.9	1485.8	1714.2	1939.8	1851.7	1763.7	1386.7	930.0	539.3	148.6
40°	1268.4	1389.5	1579.3	1818.7	2058.1	1956.3	1851.7	1430.8	910.7	517.3	123.8
42.5°	1441.8	1496.8	1708.7	1961.8	2214.9	2107.6	1997.6	1524.3	905.2	506.3	107.3
45°	1623.4	1659.1	1846.2	2129.6	2410.3	2300.2	2187.4	1639.9	924.5	514.5	101.8
47.5°	1821.5	1840.7	2011.3	2363.5	2715.7	2564.4	2413.0	1799.5	965.8	531.0	96.3
50°	2049.8	2049.8	2214.9	2594.6	2974.3	2817.5	2660.7	1986.6	1018.0	555.8	93.5
52.5°	2267.2	2297.5	2424.0	2812.0	3199.9	3054.1	2905.5	2192.9	1086.8	588.8	88.0
55°	2490.1	2586.4	2633.1	3029.4	3425.6	3257.7	3089.9	2344.2	1128.1	605.3	82.5
57.5°	2765.2	2867.0	2891.8	3227.5	3563.1	3400.8	3235.7	2473.6	1158.4	619.1	79.8
60°	3015.6	3131.2	3180.7	3428.3	3673.2	3505.4	3337.5	2586.4	1185.9	630.1	71.5
62.5°	3246.7	3334.8	3411.8	3571.4	3731.0	3574.1	3414.6	2685.4	1202.4	632.8	63.3
65°	3414.6	3494.3	3604.4	3695.2	3786.0	3667.7	3549.4	2856.0	1249.2	649.3	46.8
67.5°	3698.0	3706.2	3769.5	3843.8	3918.1	3854.8	3791.5	3092.6	1304.2	671.4	35.8
70°	4273.0	4179.5	4096.9	4171.2	4242.7	4154.7	4066.7	3161.4	1177.6	602.6	27.5
72.5°	5004.9	5161.7	4762.8	4608.7	4451.9	4127.2	3799.8	2721.2	836.4	429.2	22.0
75°	4826.1	5621.2	5227.8	4608.7	3989.6	3488.8	2985.3	2041.6	514.5	266.9	16.5
77.5°	3813.5	4666.5	4526.1	3887.8	3246.7	2630.4	2014.1	1254.7	181.6	99.1	16.5
80°	2407.5	3227.5	3106.4	2525.8	1942.5	1381.2	819.9	382.5	68.8	44.0	19.3
82.5°	1461.0	1923.3	1510.5	946.5	382.5	269.6	156.8	82.5	22.0	19.3	16.5
85°	709.9	795.2	520.0	299.9	77.0	71.5	63.3	41.3	11.0	11.0	8.3
87.5°	99.1	71.5	44.0	30.3	13.8	13.8	13.8	8.3	8.3	8.3	5.5
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: P559916

CATALOG NUMBER: SDL-PA1-100-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0
2.5°	1700.4	1678.4	1653.6	1628.9	1601.3	1573.8	1494.0	1411.5	1367.5	1320.7	1309.7
5°	1513.3	1422.5	1309.7	1194.1	1144.6	1095.1	1070.3	1042.8	1026.3	1007.0	990.5
7.5°	1108.8	979.5	979.5	976.8	935.5	894.2	847.4	797.9	767.7	737.4	657.6
10°	792.4	720.9	671.4	621.8	602.6	583.3	522.8	459.5	465.0	467.7	451.2
12.5°	613.6	588.8	498.0	407.2	376.9	346.7	327.4	308.2	280.6	253.1	233.9
15°	525.5	404.5	335.7	266.9	236.6	203.6	176.1	145.8	137.6	126.6	140.3
17.5°	432.0	327.4	261.4	195.4	151.3	107.3	112.8	118.3	129.3	140.3	145.8
20°	371.4	247.6	189.9	132.1	118.3	104.6	110.1	112.8	110.1	104.6	121.1
22.5°	302.7	192.6	145.8	96.3	99.1	101.8	93.5	85.3	101.8	118.3	118.3
25°	258.6	126.6	112.8	99.1	90.8	82.5	93.5	101.8	96.3	90.8	104.6
27.5°	236.6	110.1	96.3	82.5	85.3	88.0	85.3	79.8	88.0	96.3	93.5
30°	225.6	101.8	93.5	82.5	79.8	74.3	77.0	77.0	74.3	71.5	79.8
32.5°	181.6	104.6	90.8	74.3	71.5	66.0	63.3	60.5	63.3	66.0	68.8
35°	145.8	96.3	85.3	71.5	66.0	60.5	57.8	52.3	52.3	52.3	55.0
37.5°	118.3	88.0	77.0	63.3	57.8	52.3	49.5	44.0	44.0	44.0	44.0
40°	104.6	82.5	71.5	57.8	52.3	44.0	41.3	35.8	35.8	33.0	33.0
42.5°	90.8	74.3	63.3	49.5	44.0	38.5	33.0	27.5	27.5	24.8	24.8
45°	85.3	68.8	57.8	46.8	38.5	30.3	27.5	22.0	22.0	19.3	19.3
47.5°	82.5	66.0	55.0	41.3	33.0	24.8	22.0	16.5	16.5	16.5	16.5
50°	77.0	60.5	49.5	35.8	30.3	22.0	19.3	13.8	13.8	13.8	13.8
52.5°	74.3	57.8	44.0	30.3	24.8	16.5	13.8	11.0	11.0	11.0	11.0
55°	71.5	60.5	44.0	27.5	22.0	13.8	11.0	8.3	8.3	8.3	8.3
57.5°	68.8	57.8	41.3	22.0	16.5	11.0	8.3	5.5	5.5	5.5	5.5
60°	60.5	49.5	33.0	16.5	13.8	8.3	5.5	2.8	5.5	5.5	5.5
62.5°	52.3	38.5	27.5	13.8	11.0	5.5	5.5	2.8	5.5	5.5	5.5
65°	38.5	30.3	22.0	11.0	8.3	2.8	2.8	2.8	5.5	5.5	5.5
67.5°	30.3	22.0	16.5	8.3	5.5	2.8	2.8	2.8	5.5	5.5	5.5
70°	22.0	16.5	11.0	5.5	5.5	2.8	2.8	2.8	5.5	5.5	5.5
72.5°	16.5	11.0	8.3	5.5	5.5	2.8	5.5	5.5	5.5	5.5	5.5
75°	13.8	11.0	8.3	5.5	5.5	2.8	5.5	5.5	8.3	8.3	8.3
77.5°	13.8	8.3	8.3	5.5	5.5	2.8	5.5	8.3	8.3	8.3	8.3
80°	13.8	8.3	8.3	5.5	5.5	2.8	5.5	8.3	8.3	8.3	8.3
82.5°	13.8	8.3	8.3	5.5	5.5	2.8	5.5	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	5.5	2.8	8.3	11.0	11.0	8.3	8.3
87.5°	5.5	5.5	8.3	8.3	5.5	2.8	8.3	11.0	11.0	8.3	8.3
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: P559916

CATALOG NUMBER: SDL-PA1-100-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1805.0	1805.0	1805.0	1805.0
2.5°	1295.9	1282.2	1265.7	1298.7
5°	974.0	963.0	952.0	971.3
7.5°	577.8	580.6	580.6	550.3
10°	432.0	407.2	379.7	379.7
12.5°	214.6	198.1	181.6	178.8
15°	154.1	156.8	159.6	159.6
17.5°	151.3	145.8	137.6	132.1
20°	134.8	140.3	143.1	143.1
22.5°	118.3	115.6	110.1	110.1
25°	118.3	121.1	123.8	123.8
27.5°	90.8	90.8	88.0	88.0
30°	88.0	88.0	88.0	88.0
32.5°	68.8	71.5	71.5	71.5
35°	57.8	57.8	57.8	57.8
37.5°	44.0	44.0	44.0	41.3
40°	33.0	33.0	33.0	33.0
42.5°	24.8	24.8	24.8	24.8
45°	19.3	19.3	19.3	19.3
47.5°	16.5	16.5	13.8	13.8
50°	11.0	11.0	11.0	11.0
52.5°	8.3	8.3	8.3	8.3
55°	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5
60°	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8
70°	2.8	2.8	2.8	2.8
72.5°	5.5	5.5	2.8	2.8
75°	5.5	5.5	2.8	2.8
77.5°	5.5	5.5	2.8	2.8
80°	5.5	5.5	2.8	2.8
82.5°	5.5	5.5	2.8	2.8
85°	5.5	5.5	5.5	2.8
87.5°	5.5	5.5	5.5	2.8
90°	0.0	0.0	0.0	0.0



Report Generated By 670245982



--- HS --- SS



u

(END OF REPORT)