

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: P561324

Luminaire Tested: **SDL-PA1-90-827-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561324
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-PA1-90-827-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 1180mA 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: 6276.5 lumens
Efficiency: N/A
Efficacy: 67.9 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): 92.4
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

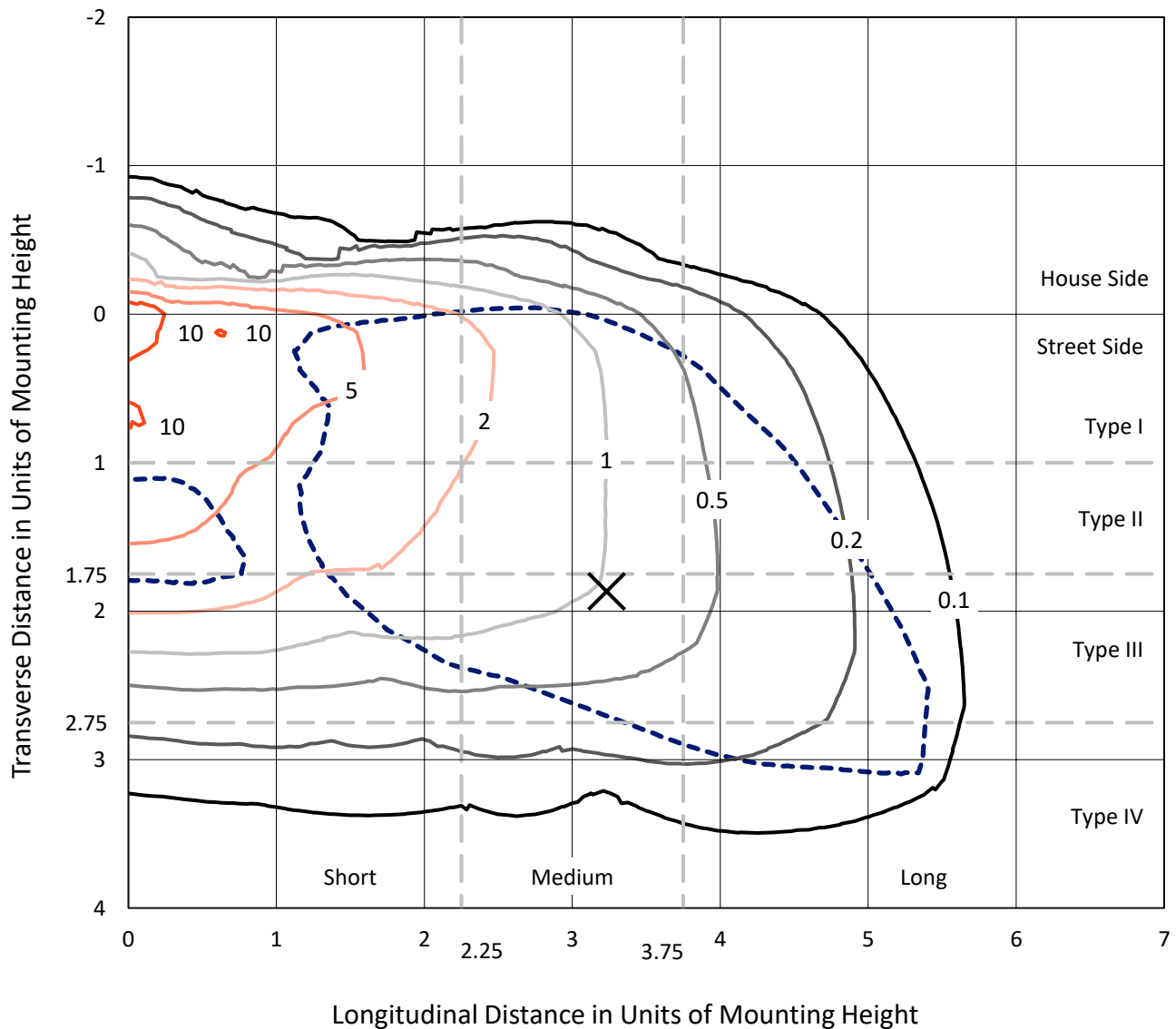


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

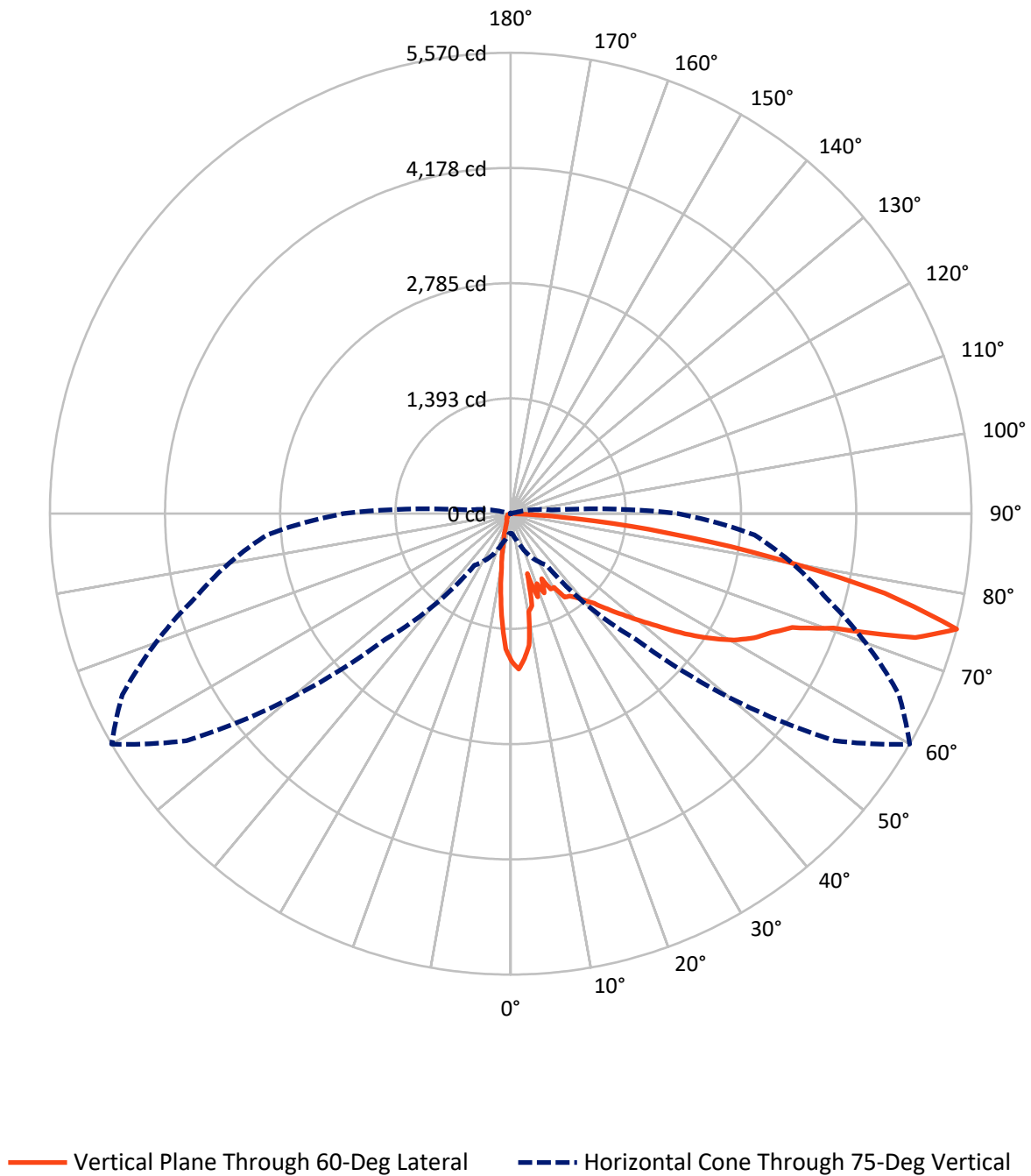


Based on 10 foot mounting height. Maximum calculated value = 17.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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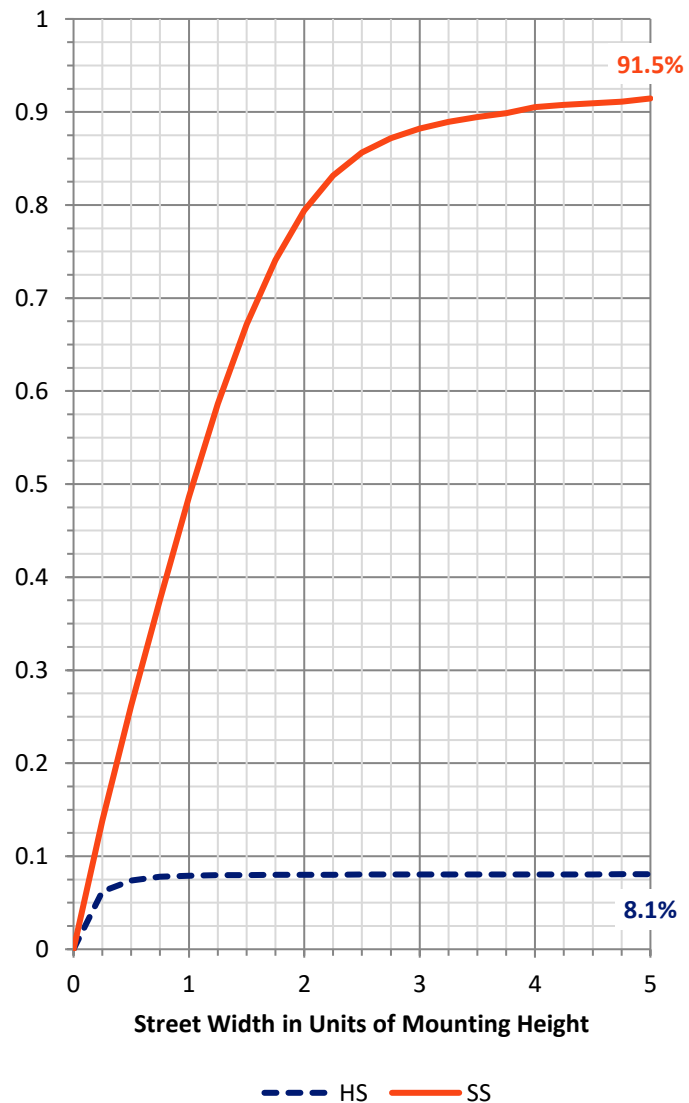
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	511.3	0.0	511.3
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5765.2	0.0	5765.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	6276.5	0.0	6276.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	2.0
10°-20°	205.4	3.3
20°-30°	294.2	4.7
30°-40°	523.8	8.3
40°-50°	862.2	13.7
50°-60°	1329.5	21.2
60°-70°	1549.4	24.7
70°-80°	1200.7	19.1
80°-90°	187.5	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°	6276.5	100.0
0°-180°	6276.5	100.0

Coefficient of Utilization



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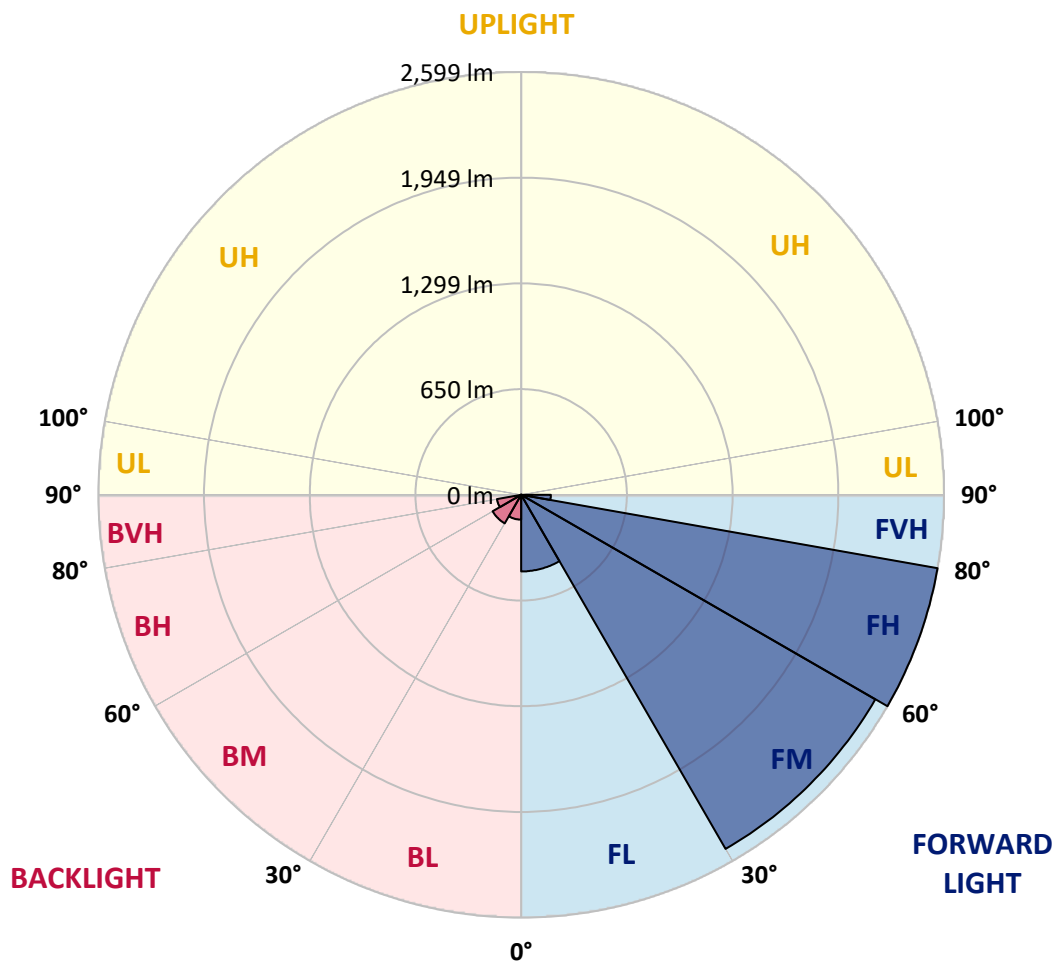
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	470.9	7.5			
FM	(30°-60°)	2513.1	40.0			
FH	(60°-80°)	2598.9	41.4			G2/5000
FVH	(80°-90°)	182.3	2.9			G2/225
BL	(0°-30°)	152.4	2.4	B1/500		
BM	(30°-60°)	202.5	3.2	B0/220		
BH	(60°-80°)	151.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5
2.5°	1671.3	1734.0	1772.2	1807.6	1854.0	1900.3	1903.0	1905.8	1905.8	1905.8	1903.0
5°	1614.0	1619.5	1619.5	1619.5	1627.7	1635.9	1641.3	1644.0	1646.8	1646.8	1644.0
7.5°	1262.3	1363.2	1425.9	1485.9	1502.3	1518.6	1540.4	1559.5	1575.9	1589.5	1600.4
10°	1398.7	1409.6	1409.6	1406.8	1420.5	1431.4	1325.0	1216.0	1259.6	1303.2	1248.7
12.5°	1079.7	1134.2	1202.4	1267.8	1311.4	1355.0	1306.0	1256.9	1180.5	1101.5	1096.0
15°	1262.3	1270.5	1273.2	1276.0	1202.4	1126.0	1036.0	943.3	1006.0	1068.8	978.8
17.5°	970.6	978.8	1055.1	1131.5	1139.6	1147.8	1090.6	1030.6	899.7	768.9	891.5
20°	1161.5	1166.9	1166.9	1166.9	1022.4	877.9	888.8	897.0	937.9	978.8	948.8
22.5°	935.2	924.3	929.7	932.4	976.1	1017.0	932.4	845.2	907.9	967.9	916.1
25°	1169.6	1172.4	1156.0	1136.9	1008.8	877.9	924.3	967.9	894.3	817.9	891.5
27.5°	1057.9	1046.9	1008.8	970.6	989.7	1008.8	921.5	831.6	902.4	970.6	937.9
30°	1393.2	1387.7	1338.7	1286.9	1134.2	978.8	962.4	943.3	902.4	858.8	916.1
32.5°	1859.4	1794.0	1611.3	1425.9	1330.5	1232.3	1112.4	992.4	1006.0	1017.0	1025.1
35°	1963.0	1933.0	1854.0	1774.9	1627.7	1477.7	1314.1	1147.8	1109.7	1071.5	1093.3
37.5°	1990.3	1979.4	1968.5	1954.8	1780.4	1605.9	1442.3	1276.0	1246.0	1213.3	1188.7
40°	2017.6	2028.5	2061.2	2091.2	1927.6	1764.0	1611.3	1455.9	1420.5	1385.0	1322.3
42.5°	2126.6	2134.8	2183.9	2232.9	2074.8	1913.9	1780.4	1646.8	1595.0	1543.2	1485.9
45°	2358.4	2366.5	2393.8	2421.1	2273.8	2123.9	1976.7	1826.7	1785.8	1742.2	1676.7
47.5°	2680.1	2688.3	2674.6	2661.0	2491.9	2320.2	2145.7	1971.2	1957.6	1943.9	1875.8
50°	3048.1	3037.2	2963.6	2890.0	2704.6	2519.2	2314.7	2107.5	2118.4	2129.3	2080.3
52.5°	3217.2	3211.7	3127.2	3042.7	2851.8	2658.3	2445.6	2230.2	2268.4	2303.8	2276.6
55°	3206.3	3203.5	3146.3	3089.0	2909.1	2729.1	2530.1	2331.1	2418.3	2502.9	2486.5
57.5°	3086.3	3091.8	3083.6	3075.4	2917.3	2759.1	2598.3	2437.4	2568.3	2696.4	2718.2
60°	2898.2	2898.2	2939.1	2977.3	2884.6	2789.1	2655.5	2519.2	2699.2	2879.1	2933.6
62.5°	2505.6	2549.2	2636.4	2723.7	2753.7	2783.7	2674.6	2565.6	2813.7	3061.8	3140.8
65°	1930.3	1949.4	2107.5	2265.7	2412.9	2557.4	2565.6	2573.7	2952.7	3329.0	3356.2
67.5°	1120.6	1199.6	1374.1	1545.9	1834.9	2121.2	2268.4	2415.6	3012.7	3607.1	3637.0
70°	588.9	621.6	706.1	787.9	1046.9	1303.2	1668.6	2031.2	2873.6	3713.4	3975.1
72.5°	403.5	433.5	479.9	526.2	624.4	719.8	981.5	1240.5	2287.5	3334.4	4146.9
75°	237.2	245.4	302.6	359.9	466.2	572.5	668.0	760.7	1455.9	2148.4	3465.3
77.5°	95.4	103.6	128.1	152.7	302.6	449.9	548.0	646.2	812.5	978.8	2380.2
80°	51.8	51.8	62.7	70.9	136.3	199.0	368.1	537.1	618.9	700.7	1543.2
82.5°	30.0	30.0	38.2	43.6	68.2	92.7	209.9	327.2	482.6	635.3	1041.5
85°	10.9	10.9	13.6	16.4	32.7	46.3	76.3	103.6	299.9	493.5	599.8
87.5°	2.7	2.7	5.5	5.5	8.2	10.9	13.6	13.6	10.9	8.2	54.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5
2.5°	1897.6	1881.2	1870.3	1851.2	1832.2	1815.8	1796.7	1772.2	1753.1	1728.6	1704.0
5°	1641.3	1755.8	1873.1	1862.1	1848.5	1810.3	1772.2	1728.6	1687.7	1638.6	1589.5
7.5°	1608.6	1605.9	1494.1	1551.3	1605.9	1562.2	1518.6	1469.5	1415.0	1319.6	1224.2
10°	1194.2	1202.4	1199.6	1213.3	1226.9	1262.3	1295.1	1224.2	1156.0	1006.0	853.4
12.5°	1090.6	1142.4	1156.0	1063.3	970.6	1008.8	1046.9	976.1	907.9	768.9	629.8
15°	886.1	752.5	943.3	1068.8	1191.4	1210.5	1226.9	1134.2	1025.1	834.3	640.7
17.5°	1011.5	1057.9	1003.3	1006.0	1006.0	1008.8	1011.5	927.0	817.9	673.4	528.9
20°	918.8	905.2	910.6	1000.6	1090.6	1150.5	1207.8	1079.7	940.6	717.0	490.8
22.5°	864.3	1041.5	1117.8	1079.7	1041.5	946.1	847.9	749.8	635.3	523.5	409.0
25°	962.4	869.7	929.7	1076.9	1224.2	1224.2	1224.2	1055.1	867.0	627.1	387.2
27.5°	905.2	1033.3	1093.3	1210.5	1325.0	1374.1	1420.5	1205.1	957.0	659.8	359.9
30°	973.3	1033.3	1246.0	1480.4	1714.9	1674.0	1630.4	1355.0	1041.5	692.5	343.5
32.5°	1033.3	1202.4	1390.5	1567.7	1744.9	1698.6	1649.5	1344.1	992.4	624.4	256.3
35°	1115.1	1224.2	1398.7	1614.0	1829.4	1758.5	1684.9	1349.6	954.2	572.5	190.8
37.5°	1164.2	1284.1	1472.3	1698.6	1922.1	1834.9	1747.6	1374.1	921.5	534.4	147.2
40°	1256.9	1376.8	1565.0	1802.2	2039.4	1938.5	1834.9	1417.7	902.4	512.6	122.7
42.5°	1428.6	1483.2	1693.1	1943.9	2194.8	2088.4	1979.4	1510.4	897.0	501.7	106.3
45°	1608.6	1644.0	1829.4	2110.3	2388.3	2279.3	2167.5	1624.9	916.1	509.8	100.9
47.5°	1804.9	1824.0	1993.0	2342.0	2691.0	2541.0	2391.1	1783.1	957.0	526.2	95.4
50°	2031.2	2031.2	2194.8	2571.0	2947.3	2791.9	2636.4	1968.5	1008.8	550.7	92.7
52.5°	2246.6	2276.6	2402.0	2786.4	3170.8	3026.3	2879.1	2173.0	1076.9	583.5	87.2
55°	2467.4	2562.8	2609.2	3001.8	3394.4	3228.1	3061.8	2322.9	1117.8	599.8	81.8
57.5°	2740.1	2840.9	2865.5	3198.1	3530.7	3369.9	3206.3	2451.1	1147.8	613.4	79.1
60°	2988.2	3102.7	3151.7	3397.1	3639.8	3473.5	3307.1	2562.8	1175.1	624.4	70.9
62.5°	3217.2	3304.4	3380.8	3538.9	3697.0	3541.6	3383.5	2661.0	1191.4	627.1	62.7
65°	3383.5	3462.6	3571.6	3661.6	3751.6	3634.3	3517.1	2830.0	1237.8	643.4	46.3
67.5°	3664.3	3672.5	3735.2	3808.8	3882.4	3819.7	3757.0	3064.5	1292.3	665.2	35.4
70°	4234.1	4141.4	4059.6	4133.3	4204.1	4116.9	4029.7	3132.7	1166.9	597.1	27.3
72.5°	4959.4	5114.8	4719.4	4566.8	4411.4	4089.6	3765.2	2696.4	828.8	425.3	21.8
75°	4782.1	5570.1	5180.2	4566.8	3953.3	3457.1	2958.2	2023.0	509.8	264.5	16.4
77.5°	3778.8	4624.0	4485.0	3852.4	3217.2	2606.5	1995.7	1243.2	179.9	98.2	16.4
80°	2385.6	3198.1	3078.1	2502.9	1924.9	1368.7	812.5	379.0	68.2	43.6	19.1
82.5°	1447.7	1905.8	1496.8	937.9	379.0	267.2	155.4	81.8	21.8	19.1	16.4
85°	703.4	787.9	515.3	297.2	76.3	70.9	62.7	40.9	10.9	10.9	8.2
87.5°	98.2	70.9	43.6	30.0	13.6	13.6	13.6	8.2	8.2	8.2	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

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5	1788.5
2.5°	1684.9	1663.1	1638.6	1614.0	1586.8	1559.5	1480.4	1398.7	1355.0	1308.7	1297.8
5°	1499.5	1409.6	1297.8	1183.3	1134.2	1085.1	1060.6	1033.3	1017.0	997.9	981.5
7.5°	1098.7	970.6	970.6	967.9	927.0	886.1	839.7	790.7	760.7	730.7	651.6
10°	785.2	714.3	665.2	616.2	597.1	578.0	518.0	455.3	460.8	463.5	447.1
12.5°	608.0	583.5	493.5	403.5	373.5	343.5	324.4	305.4	278.1	250.8	231.7
15°	520.7	400.8	332.6	264.5	234.5	201.8	174.5	144.5	136.3	125.4	139.0
17.5°	428.0	324.4	259.0	193.6	150.0	106.3	111.8	117.2	128.1	139.0	144.5
20°	368.1	245.4	188.1	130.9	117.2	103.6	109.1	111.8	109.1	103.6	120.0
22.5°	299.9	190.8	144.5	95.4	98.2	100.9	92.7	84.5	100.9	117.2	117.2
25°	256.3	125.4	111.8	98.2	90.0	81.8	92.7	100.9	95.4	90.0	103.6
27.5°	234.5	109.1	95.4	81.8	84.5	87.2	84.5	79.1	87.2	95.4	92.7
30°	223.6	100.9	92.7	81.8	79.1	73.6	76.3	76.3	73.6	70.9	79.1
32.5°	179.9	103.6	90.0	73.6	70.9	65.4	62.7	60.0	62.7	65.4	68.2
35°	144.5	95.4	84.5	70.9	65.4	60.0	57.3	51.8	51.8	51.8	54.5
37.5°	117.2	87.2	76.3	62.7	57.3	51.8	49.1	43.6	43.6	43.6	43.6
40°	103.6	81.8	70.9	57.3	51.8	43.6	40.9	35.4	35.4	32.7	32.7
42.5°	90.0	73.6	62.7	49.1	43.6	38.2	32.7	27.3	27.3	24.5	24.5
45°	84.5	68.2	57.3	46.3	38.2	30.0	27.3	21.8	21.8	19.1	19.1
47.5°	81.8	65.4	54.5	40.9	32.7	24.5	21.8	16.4	16.4	16.4	16.4
50°	76.3	60.0	49.1	35.4	30.0	21.8	19.1	13.6	13.6	13.6	13.6
52.5°	73.6	57.3	43.6	30.0	24.5	16.4	13.6	10.9	10.9	10.9	10.9
55°	70.9	60.0	43.6	27.3	21.8	13.6	10.9	8.2	8.2	8.2	8.2
57.5°	68.2	57.3	40.9	21.8	16.4	10.9	8.2	5.5	5.5	5.5	5.5
60°	60.0	49.1	32.7	16.4	13.6	8.2	5.5	2.7	5.5	5.5	5.5
62.5°	51.8	38.2	27.3	13.6	10.9	5.5	5.5	2.7	5.5	5.5	5.5
65°	38.2	30.0	21.8	10.9	8.2	2.7	2.7	2.7	5.5	5.5	5.5
67.5°	30.0	21.8	16.4	8.2	5.5	2.7	2.7	2.7	5.5	5.5	5.5
70°	21.8	16.4	10.9	5.5	5.5	2.7	2.7	2.7	5.5	5.5	5.5
72.5°	16.4	10.9	8.2	5.5	5.5	2.7	5.5	5.5	5.5	5.5	5.5
75°	13.6	10.9	8.2	5.5	5.5	2.7	5.5	5.5	8.2	8.2	8.2
77.5°	13.6	8.2	8.2	5.5	5.5	2.7	5.5	8.2	8.2	8.2	8.2
80°	13.6	8.2	8.2	5.5	5.5	2.7	5.5	8.2	8.2	8.2	8.2
82.5°	13.6	8.2	8.2	5.5	5.5	2.7	5.5	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	5.5	2.7	8.2	10.9	10.9	8.2	8.2
87.5°	5.5	5.5	8.2	8.2	5.5	2.7	8.2	10.9	10.9	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: SDL-PA1-90-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1788.5	1788.5	1788.5	1788.5
2.5°	1284.1	1270.5	1254.2	1286.9
5°	965.2	954.2	943.3	962.4
7.5°	572.5	575.3	575.3	545.3
10°	428.0	403.5	376.2	376.2
12.5°	212.7	196.3	179.9	177.2
15°	152.7	155.4	158.1	158.1
17.5°	150.0	144.5	136.3	130.9
20°	133.6	139.0	141.8	141.8
22.5°	117.2	114.5	109.1	109.1
25°	117.2	120.0	122.7	122.7
27.5°	90.0	90.0	87.2	87.2
30°	87.2	87.2	87.2	87.2
32.5°	68.2	70.9	70.9	70.9
35°	57.3	57.3	57.3	57.3
37.5°	43.6	43.6	43.6	40.9
40°	32.7	32.7	32.7	32.7
42.5°	24.5	24.5	24.5	24.5
45°	19.1	19.1	19.1	19.1
47.5°	16.4	16.4	13.6	13.6
50°	10.9	10.9	10.9	10.9
52.5°	8.2	8.2	8.2	8.2
55°	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5
60°	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7
65°	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7
72.5°	5.5	5.5	2.7	2.7
75°	5.5	5.5	2.7	2.7
77.5°	5.5	5.5	2.7	2.7
80°	5.5	5.5	2.7	2.7
82.5°	5.5	5.5	2.7	2.7
85°	5.5	5.5	5.5	2.7
87.5°	5.5	5.5	5.5	2.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)