

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: P559829

Luminaire Tested: **SDL-PA1-100-730-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-730-U-SL3
Description: Springdale
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9347.6 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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



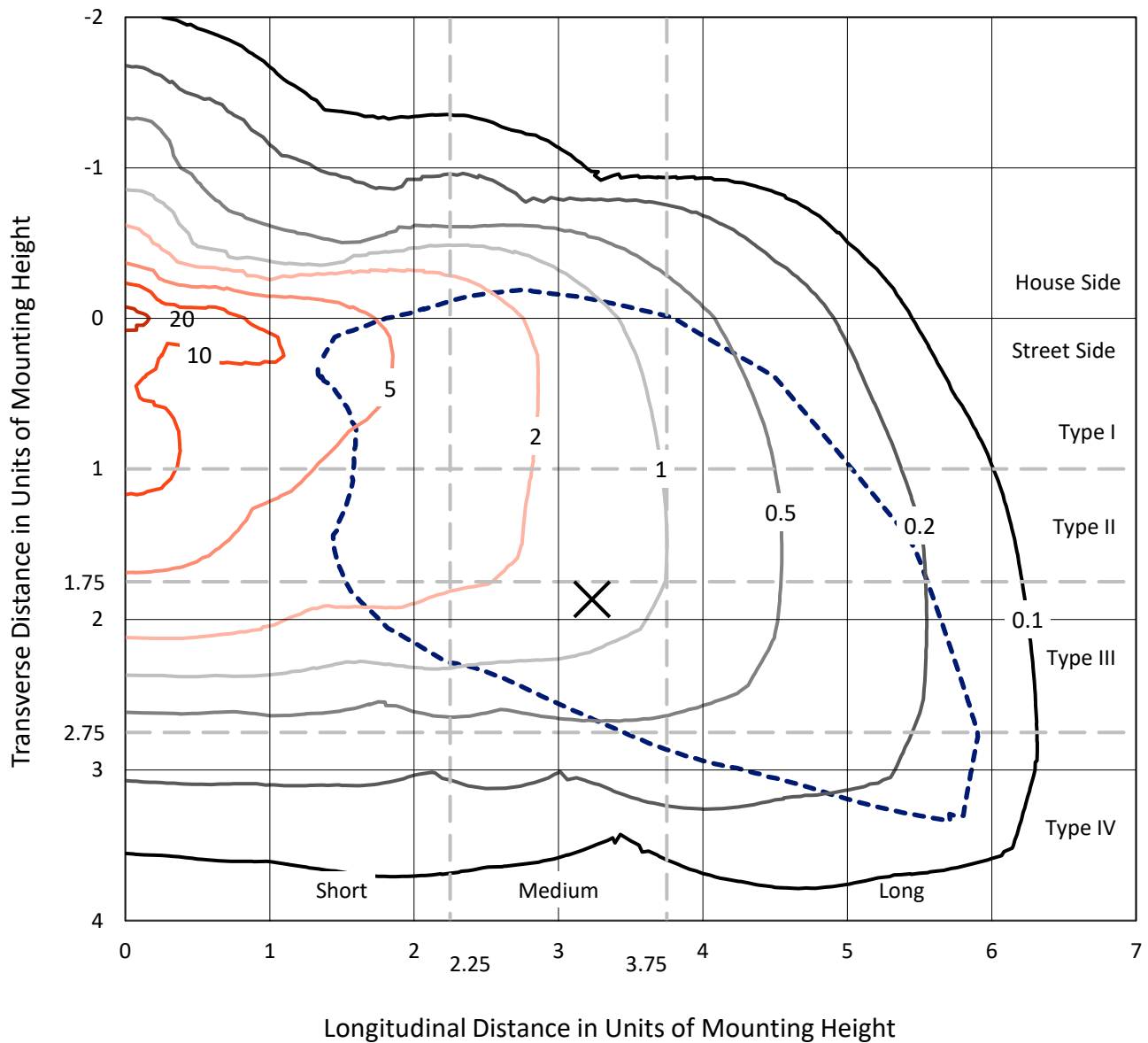
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

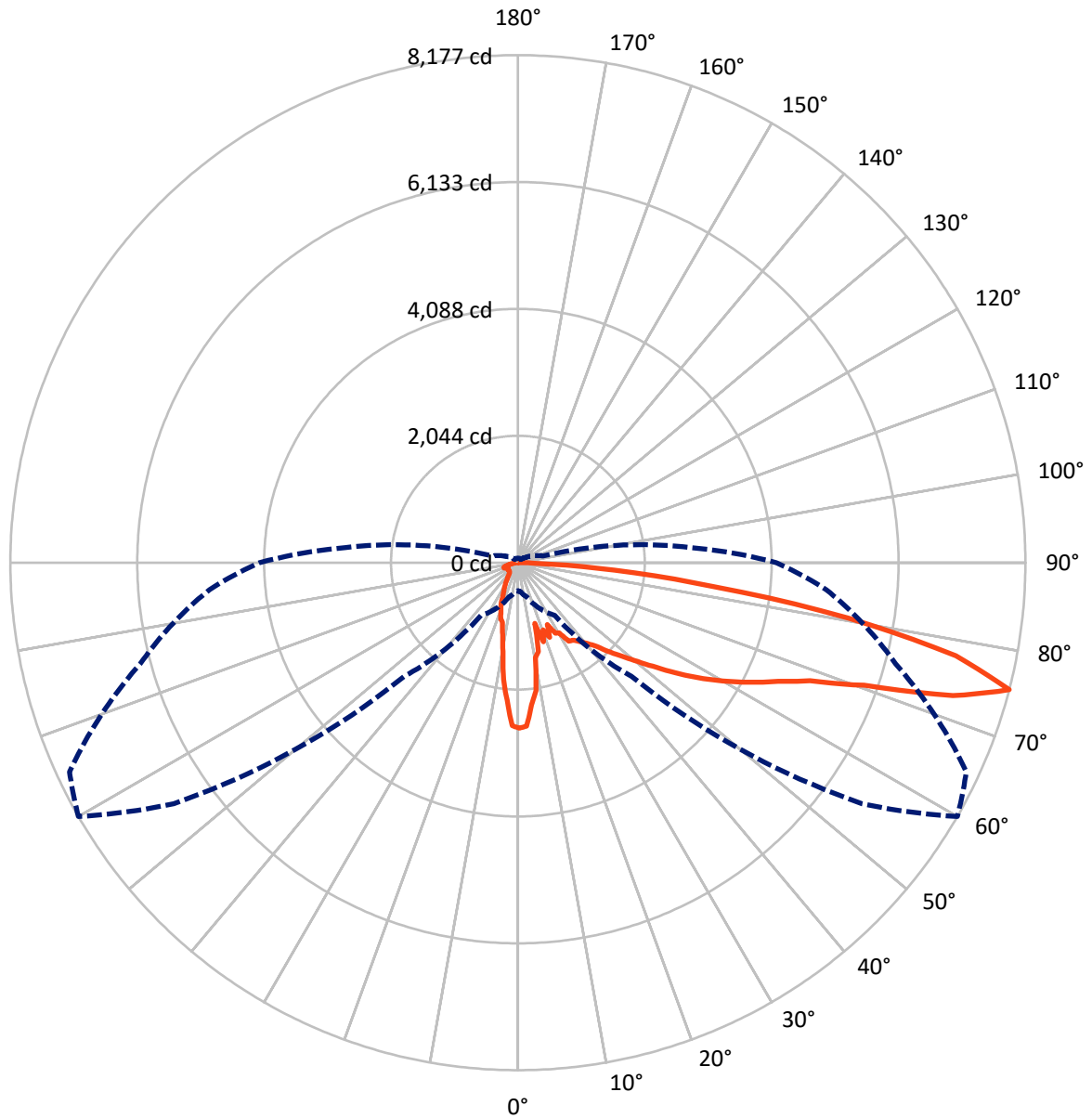


Based on 10 foot mounting height. Maximum calculated value = 26.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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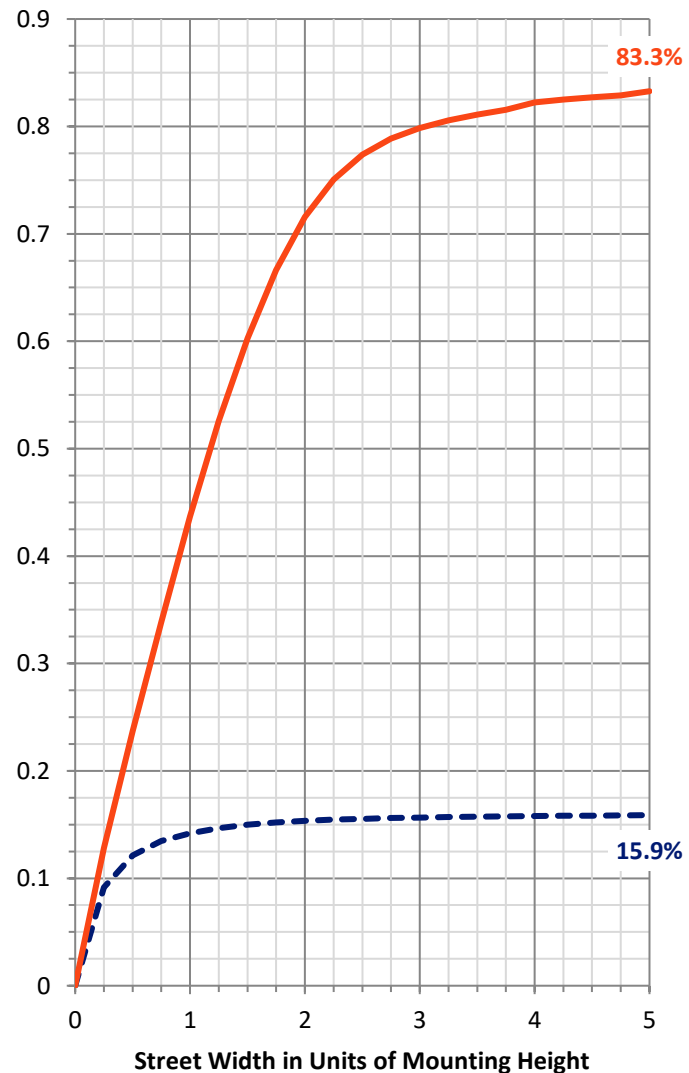
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1502.5	0.0	1502.5
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	7845.1	0.0	7845.1
	% Fixture	83.9	0.0	83.9
Total	Lumens	9347.6	0.0	9347.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	2.1
10°-20°	350.9	3.8
20°-30°	459.7	4.9
30°-40°	758.6	8.1
40°-50°	1184.6	12.7
50°-60°	1803.5	19.3
60°-70°	2234.6	23.9
70°-80°	1974.1	21.1
80°-90°	387.0	4.1
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°	9347.6	100.0
0°-180°	9347.6	100.0

Coefficient of Utilization



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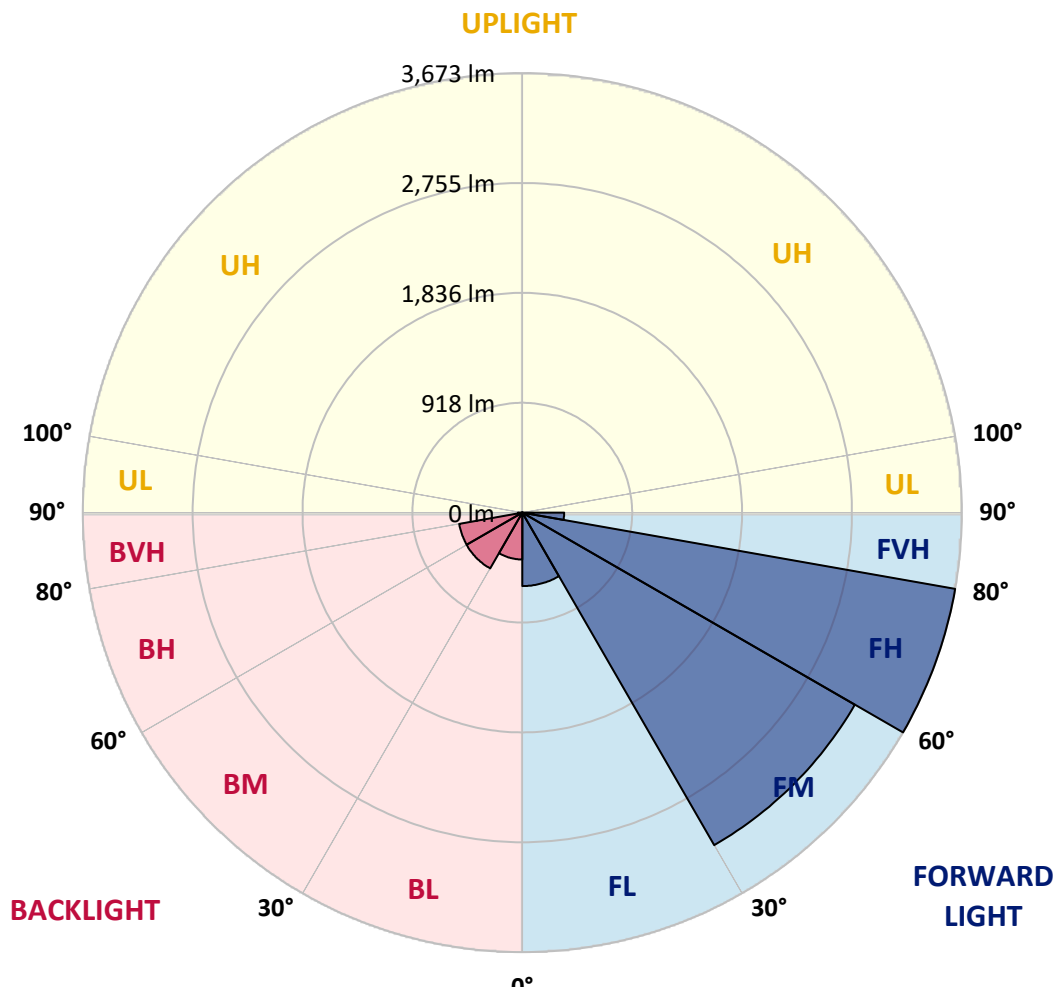
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	613.7	6.6			
FM	(30°-60°)	3208.4	34.3			
FH	(60°-80°)	3673.0	39.3			G2/5000
FVH	(80°-90°)	350.1	3.7			G3/500
BL	(0°-30°)	391.4	4.2	B1/500		
BM	(30°-60°)	538.3	5.8	B1/1000		
BH	(60°-80°)	535.8	5.7	B2/1000		G2/1000
BVH	(80°-90°)	36.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3
2.5°	2214.5	2464.4	2406.2	2348.0	2437.0	2522.6	2549.9	2573.9	2587.6	2601.3	2615.0
5°	2057.1	2060.5	2063.9	2067.3	2077.6	2084.5	2098.1	2111.8	2125.5	2135.8	2149.5
7.5°	1588.2	1642.9	1731.9	1820.9	1875.7	1927.0	1957.8	1985.2	2005.7	2026.3	2046.8
10°	1766.1	1776.4	1779.8	1779.8	1796.9	1814.1	1684.0	1550.5	1615.5	1680.6	1608.7
12.5°	1386.2	1423.9	1536.8	1646.3	1680.6	1711.4	1649.8	1588.2	1492.3	1393.1	1386.2
15°	1591.6	1601.8	1605.3	1605.3	1499.2	1393.1	1321.2	1245.9	1304.1	1358.8	1232.2
17.5°	1232.2	1242.5	1331.4	1420.4	1437.6	1454.7	1379.4	1304.1	1136.4	965.2	1126.1
20°	1464.9	1471.8	1471.8	1471.8	1293.8	1115.8	1129.5	1139.8	1194.5	1249.3	1204.8
22.5°	1180.8	1180.8	1180.8	1180.8	1235.6	1287.0	1177.4	1067.9	1129.5	1191.1	1136.4
25°	1485.5	1495.7	1471.8	1444.4	1280.1	1115.8	1167.2	1218.5	1126.1	1033.7	1115.8
27.5°	1355.4	1345.1	1297.2	1245.9	1269.8	1293.8	1180.8	1067.9	1139.8	1211.7	1177.4
30°	1800.4	1769.6	1718.2	1666.9	1471.8	1276.7	1245.9	1215.1	1153.5	1088.4	1160.3
32.5°	2392.5	2313.8	2074.2	1834.6	1714.8	1595.0	1441.0	1287.0	1273.3	1256.1	1276.7
35°	2549.9	2498.6	2399.3	2296.7	2091.3	1882.5	1687.4	1488.9	1423.9	1355.4	1369.1
37.5°	2580.7	2563.6	2543.1	2519.1	2310.4	2101.6	1889.4	1677.1	1608.7	1536.8	1485.5
40°	2604.7	2618.4	2656.0	2690.3	2481.5	2269.3	2077.6	1882.5	1810.6	1735.3	1646.3
42.5°	2714.2	2751.9	2799.8	2844.3	2652.6	2461.0	2293.2	2125.5	2033.1	1940.7	1858.6
45°	2967.5	2988.1	3039.4	3087.3	2905.9	2721.1	2529.4	2334.3	2255.6	2176.9	2094.7
47.5°	3337.2	3371.4	3368.0	3364.6	3162.6	2957.3	2741.6	2522.6	2471.2	2416.5	2337.7
50°	3802.7	3778.7	3713.7	3648.6	3429.6	3207.1	2953.8	2697.1	2673.2	2645.8	2580.7
52.5°	4035.4	4018.3	3929.3	3836.9	3614.4	3391.9	3118.1	2840.9	2871.7	2902.5	2840.9
55°	4049.1	4038.8	3973.8	3908.8	3693.1	3477.5	3234.5	2991.5	3066.8	3142.1	3118.1
57.5°	3949.8	3953.3	3932.7	3908.8	3717.1	3525.4	3323.5	3121.5	3251.6	3378.2	3402.2
60°	3696.6	3747.9	3782.1	3816.4	3696.6	3576.8	3402.2	3227.6	3426.2	3624.7	3689.7
62.5°	3227.6	3272.1	3395.4	3515.2	3539.1	3559.7	3443.3	3323.5	3590.5	3854.0	3960.1
65°	2502.0	2563.6	2748.5	2933.3	3125.0	3316.6	3344.0	3371.4	3823.2	4275.0	4364.0
67.5°	1560.8	1595.0	1790.1	1981.8	2368.5	2751.9	2970.9	3190.0	3970.4	4747.3	4887.7
70°	824.9	876.2	972.1	1064.5	1396.5	1728.5	2173.4	2618.4	3747.9	4877.4	5452.4
72.5°	626.4	646.9	698.2	749.6	866.0	982.3	1263.0	1543.7	2933.3	4319.5	5644.1
75°	451.8	468.9	523.7	575.0	691.4	804.3	920.7	1033.7	1810.6	2587.6	4678.9
77.5°	263.6	270.4	297.8	321.7	503.1	684.5	811.2	934.4	1122.7	1307.5	3340.6
80°	181.4	184.8	195.1	205.4	284.1	362.8	605.8	848.8	934.4	1016.6	2214.5
82.5°	119.8	136.9	143.8	150.6	178.0	205.4	356.0	503.1	739.3	972.1	1512.9
85°	61.6	68.5	82.1	92.4	106.1	116.4	160.9	201.9	612.7	1020.0	1088.4
87.5°	6.8	10.3	13.7	13.7	17.1	20.5	30.8	41.1	184.8	328.6	280.7
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°	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3
2.5°	2628.7	2635.5	2632.1	2638.9	2642.4	2645.8	2649.2	2649.2	2645.8	2638.9	2632.1
5°	2163.2	2300.1	2532.8	2556.8	2580.7	2587.6	2594.4	2597.9	2591.0	2580.7	2570.5
7.5°	2063.9	2084.5	1875.7	2043.4	2207.7	2221.4	2231.6	2224.8	2228.2	2135.8	2040.0
10°	1536.8	1553.9	1560.8	1612.1	1660.0	1773.0	1885.9	1868.8	1855.1	1690.8	1523.1
12.5°	1379.4	1468.4	1488.9	1403.3	1317.8	1434.1	1550.5	1536.8	1512.9	1362.3	1211.7
15°	1105.5	1013.1	1211.7	1396.5	1577.9	1687.4	1793.5	1762.7	1735.3	1543.7	1348.6
17.5°	1283.5	1338.3	1273.3	1300.6	1328.0	1410.2	1488.9	1441.0	1423.9	1290.4	1153.5
20°	1160.3	1156.9	1112.4	1273.3	1434.1	1595.0	1752.4	1704.5	1622.4	1362.3	1098.7
22.5°	1081.6	1304.1	1399.9	1379.4	1355.4	1293.8	1228.8	1187.7	1126.1	1067.9	1006.3
25°	1194.5	1102.1	1177.4	1423.9	1666.9	1711.4	1755.9	1653.2	1519.7	1256.1	992.6
27.5°	1143.2	1287.0	1382.8	1547.1	1707.9	1862.0	2016.0	1879.1	1704.5	1375.9	1043.9
30°	1232.2	1310.9	1577.9	1885.9	2194.0	2248.7	2300.1	2111.8	1879.1	1547.1	1215.1
32.5°	1297.2	1506.0	1742.2	1981.8	2217.9	2259.0	2300.1	2087.9	1820.9	1454.7	1088.4
35°	1379.4	1533.4	1749.0	2029.7	2310.4	2320.6	2327.5	2081.0	1779.8	1365.7	948.1
37.5°	1434.1	1608.7	1841.4	2139.2	2437.0	2416.5	2392.5	2111.8	1766.1	1304.1	842.0
40°	1557.3	1707.9	1957.8	2262.4	2567.1	2532.8	2498.6	2176.9	1769.6	1242.5	711.9
42.5°	1773.0	1831.2	2101.6	2426.7	2751.9	2714.2	2673.2	2289.8	1810.6	1208.2	602.4
45°	2009.2	2036.5	2269.3	2638.9	3008.6	2960.7	2912.8	2464.4	1885.9	1191.1	496.3
47.5°	2255.6	2248.7	2464.4	2912.8	3357.7	3255.0	3152.3	2669.7	2026.3	1225.3	424.4
50°	2512.3	2502.0	2710.8	3193.4	3676.0	3566.5	3457.0	2916.2	2187.1	1287.0	383.3
52.5°	2775.8	2799.8	2953.8	3457.0	3956.7	3857.4	3754.8	3183.2	2344.6	1355.4	366.2
55°	3090.7	3166.0	3227.6	3730.8	4233.9	4134.7	4032.0	3457.0	2563.6	1461.5	359.4
57.5°	3422.7	3522.0	3549.4	4008.0	4466.7	4401.6	4333.2	3717.1	2786.1	1584.7	379.9
60°	3754.8	3884.8	3984.1	4353.7	4720.0	4644.7	4569.4	3980.7	2994.9	1721.6	448.4
62.5°	4062.8	4244.2	4405.1	4675.5	4942.4	4853.5	4764.5	4210.0	3231.1	1909.9	585.3
65°	4449.6	4610.4	4785.0	4963.0	5137.5	5052.0	4966.4	4497.5	3546.0	2146.1	742.7
67.5°	5028.0	5075.9	5164.9	5274.4	5380.6	5329.2	5274.4	4850.0	3819.8	2283.0	742.7
70°	6024.0	5917.9	5784.4	5781.0	5774.2	5692.0	5606.5	5048.5	3836.9	2228.2	619.5
72.5°	6965.3	7328.1	6903.7	6595.6	6287.6	5924.8	5558.5	4781.6	3388.5	1940.7	492.9
75°	6766.8	8176.9	7971.6	7136.4	6301.3	5644.1	4986.9	4165.5	2789.5	1605.3	421.0
77.5°	5370.3	7215.1	7410.2	6643.5	5873.4	4983.5	4090.2	3220.8	1933.9	1143.2	352.5
80°	3409.1	5394.2	5428.5	4716.5	4001.2	3046.2	2091.3	1403.3	931.0	605.8	280.7
82.5°	2053.6	3193.4	2779.3	1992.0	1204.8	835.1	462.1	445.0	342.3	253.3	164.3
85°	1156.9	1564.2	1122.7	735.9	349.1	249.9	147.2	157.4	150.6	123.2	92.4
87.5°	229.3	270.4	184.8	106.1	27.4	27.4	24.0	24.0	17.1	17.1	13.7
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°	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3	2666.3
2.5°	2632.1	2632.1	2625.2	2618.4	2615.0	2611.6	2508.9	2406.2	2337.7	2265.9	2248.7
5°	2443.8	2317.2	2221.4	2125.5	2105.0	2084.5	2081.0	2077.6	2067.3	2053.6	2050.2
7.5°	1930.4	1817.5	1896.2	1971.5	1957.8	1940.7	1930.4	1916.7	1892.8	1868.8	1749.0
10°	1485.5	1447.8	1447.8	1444.4	1417.0	1389.6	1451.2	1512.9	1581.3	1649.8	1642.9
12.5°	1266.4	1317.8	1184.3	1047.4	1122.7	1194.5	1263.0	1328.0	1362.3	1396.5	1290.4
15°	1194.5	1037.1	992.6	948.1	982.3	1016.6	917.3	814.6	893.3	972.1	989.2
17.5°	1071.3	989.2	944.7	896.8	766.7	633.2	677.7	722.2	718.8	715.4	698.2
20°	999.4	896.8	818.0	735.9	674.3	612.7	547.6	479.2	448.4	414.2	496.3
22.5°	951.5	896.8	732.5	568.2	520.3	472.3	421.0	366.2	386.8	403.9	417.6
25°	831.7	667.4	575.0	482.6	407.3	328.6	332.0	335.4	318.3	301.2	379.9
27.5°	842.0	636.6	492.9	349.1	321.7	290.9	273.8	253.3	280.7	304.6	311.5
30°	883.1	551.1	417.6	284.1	253.3	222.5	232.7	239.6	239.6	239.6	273.8
32.5°	783.8	479.2	356.0	229.3	212.2	191.7	195.1	195.1	212.2	229.3	246.4
35°	664.0	376.5	290.9	201.9	184.8	167.7	174.6	181.4	198.5	215.6	239.6
37.5°	571.6	297.8	239.6	181.4	171.1	160.9	164.3	167.7	184.8	198.5	219.1
40°	482.6	249.9	212.2	174.6	164.3	154.0	157.4	157.4	171.1	184.8	198.5
42.5°	417.6	229.3	201.9	171.1	160.9	147.2	150.6	150.6	160.9	171.1	181.4
45°	359.4	219.1	195.1	167.7	157.4	143.8	143.8	140.3	150.6	157.4	164.3
47.5°	321.7	215.6	191.7	167.7	154.0	136.9	133.5	130.1	140.3	147.2	157.4
50°	301.2	215.6	191.7	164.3	147.2	130.1	126.6	123.2	136.9	147.2	164.3
52.5°	294.4	219.1	191.7	164.3	143.8	123.2	123.2	123.2	147.2	171.1	178.0
55°	294.4	225.9	195.1	160.9	140.3	119.8	126.6	133.5	140.3	147.2	147.2
57.5°	301.2	222.5	188.3	154.0	140.3	123.2	119.8	116.4	119.8	123.2	123.2
60°	332.0	215.6	181.4	147.2	130.1	113.0	109.5	106.1	113.0	116.4	116.4
62.5°	400.5	212.2	181.4	147.2	126.6	106.1	106.1	102.7	106.1	109.5	113.0
65°	489.5	236.2	191.7	147.2	126.6	106.1	99.3	92.4	99.3	102.7	102.7
67.5°	510.0	277.2	222.5	164.3	133.5	102.7	95.8	89.0	95.8	99.3	99.3
70°	462.1	304.6	239.6	174.6	140.3	102.7	95.8	85.6	89.0	92.4	89.0
72.5°	397.0	297.8	236.2	171.1	136.9	99.3	92.4	82.1	85.6	85.6	82.1
75°	338.9	256.7	201.9	143.8	116.4	85.6	78.7	71.9	75.3	75.3	75.3
77.5°	284.1	212.2	164.3	113.0	92.4	68.5	65.0	61.6	65.0	68.5	65.0
80°	222.5	160.9	123.2	82.1	68.5	51.3	54.8	54.8	58.2	58.2	58.2
82.5°	130.1	95.8	78.7	58.2	47.9	37.7	41.1	44.5	47.9	47.9	47.9
85°	78.7	61.6	51.3	41.1	34.2	24.0	30.8	34.2	34.2	34.2	30.8
87.5°	13.7	13.7	13.7	13.7	10.3	6.8	13.7	17.1	17.1	17.1	13.7
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: P559829

CATALOG NUMBER: SDL-PA1-100-730-U-SL3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2666.3	2666.3	2666.3	2666.3
2.5°	2228.2	2228.2	2224.8	2224.8
5°	2046.8	2040.0	2033.1	2040.0
7.5°	1629.2	1581.3	1533.4	1547.1
10°	1632.6	1629.2	1625.8	1622.4
12.5°	1180.8	1143.2	1105.5	1081.6
15°	1002.9	992.6	978.9	978.9
17.5°	677.7	646.9	616.1	595.6
20°	578.4	595.6	609.2	616.1
22.5°	431.3	445.0	458.6	465.5
25°	455.2	489.5	520.3	523.7
27.5°	314.9	332.0	345.7	338.9
30°	308.0	318.3	328.6	328.6
32.5°	263.6	290.9	318.3	321.7
35°	263.6	277.2	290.9	294.4
37.5°	236.2	246.4	253.3	256.7
40°	212.2	219.1	222.5	222.5
42.5°	188.3	205.4	219.1	219.1
45°	167.7	212.2	256.7	270.4
47.5°	164.3	229.3	294.4	308.0
50°	178.0	239.6	297.8	304.6
52.5°	181.4	215.6	246.4	246.4
55°	143.8	160.9	174.6	171.1
57.5°	123.2	136.9	147.2	147.2
60°	116.4	133.5	147.2	150.6
62.5°	113.0	119.8	126.6	133.5
65°	102.7	102.7	102.7	102.7
67.5°	95.8	95.8	92.4	92.4
70°	85.6	85.6	85.6	85.6
72.5°	78.7	78.7	78.7	75.3
75°	71.9	71.9	68.5	68.5
77.5°	61.6	61.6	61.6	61.6
80°	54.8	54.8	51.3	51.3
82.5°	44.5	44.5	41.1	37.7
85°	27.4	27.4	24.0	20.5
87.5°	10.3	10.3	6.8	3.4
90°	0.0	0.0	0.0	0.0

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