

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: P559911

Luminaire Tested: **SDL-PA1-100-760-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-760-U-T4W
Description: Springdale
(1) 70 CRI, 5700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10264.1 lumens
Efficiency: N/A
Efficacy: 109.4 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: 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

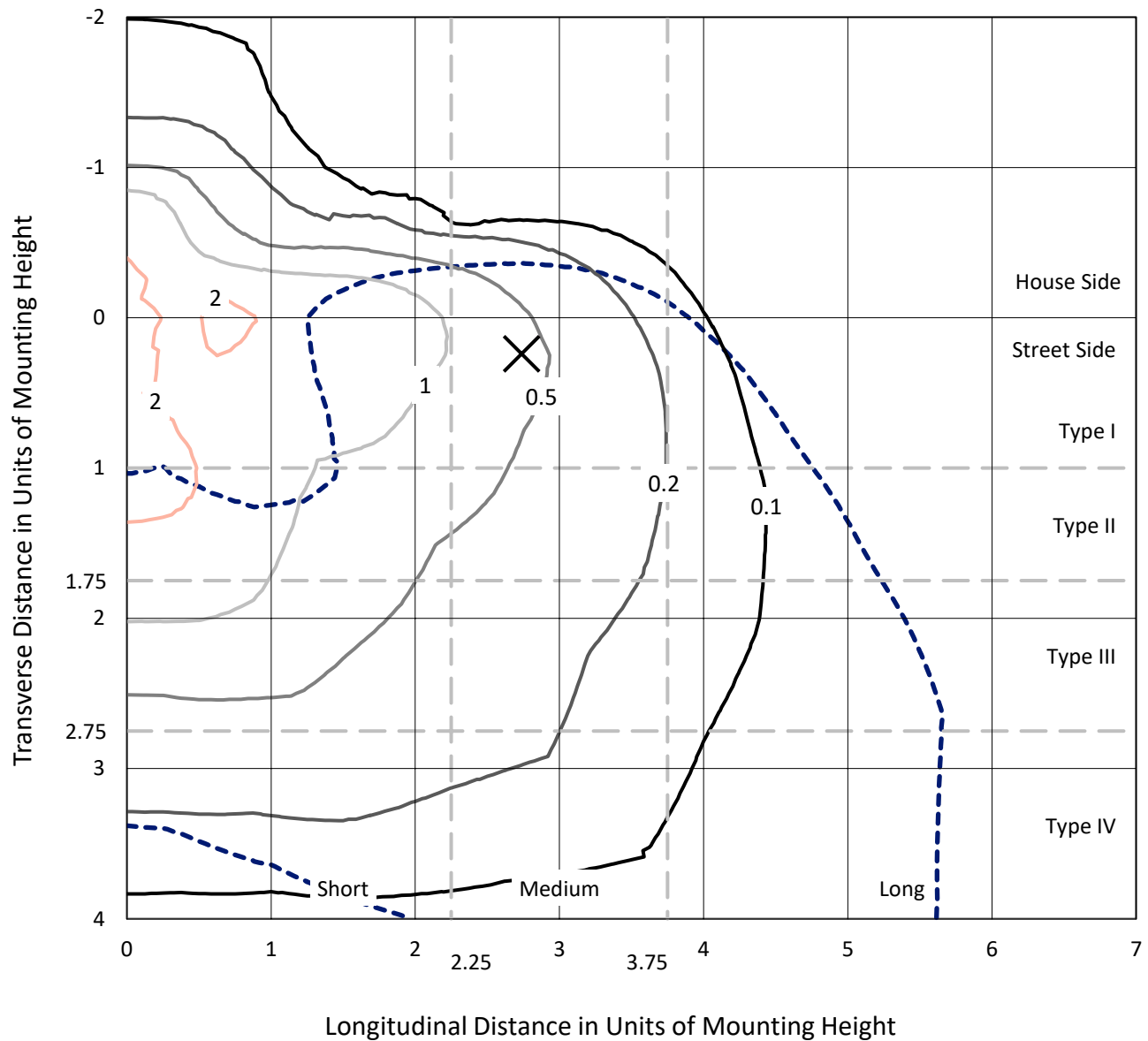


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

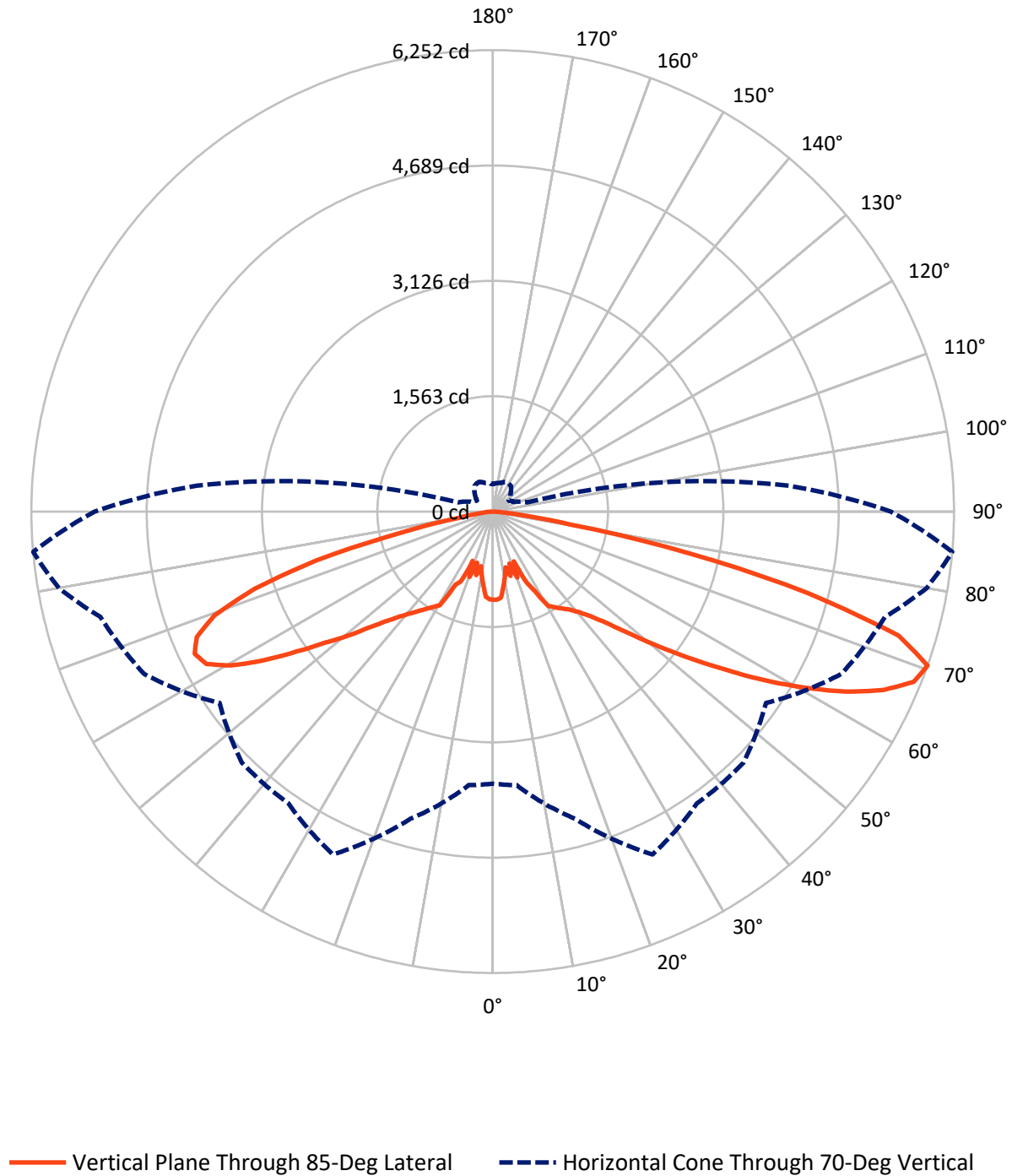


Based on 20 foot mounting height. Maximum calculated value = 3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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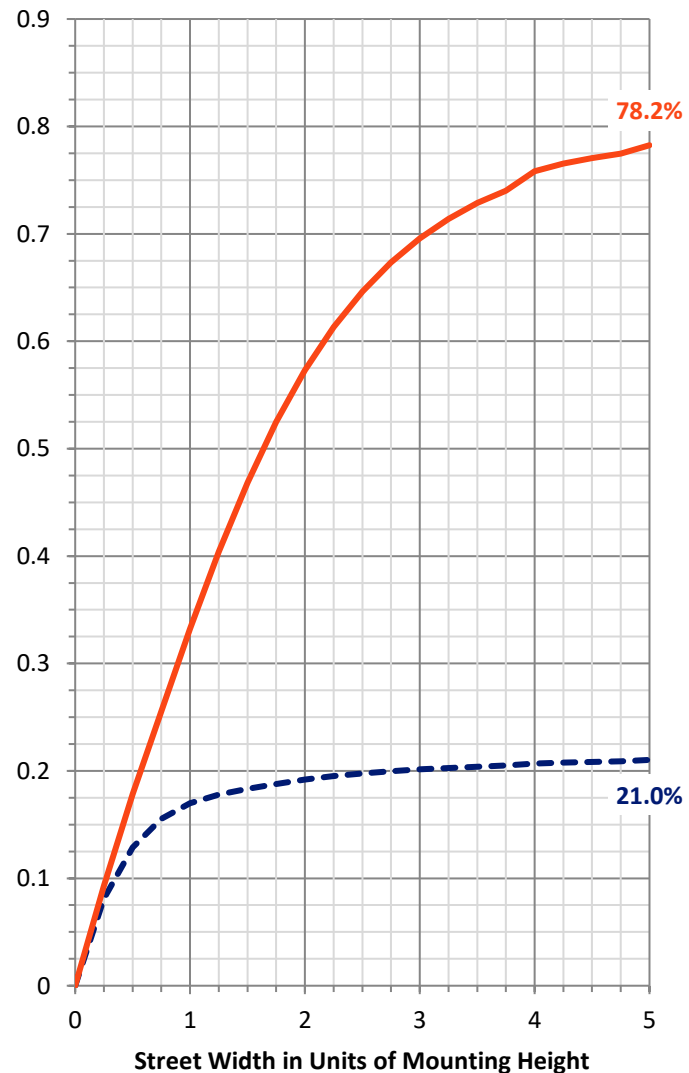
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2206.9	0.0	2206.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	8057.2	0.0	8057.2
	% Fixture	78.5	0.0	78.5
Total	Lumens	10264.1	0.0	10264.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	1.0
10°-20°	249.8	2.4
20°-30°	436.7	4.3
30°-40°	769.2	7.5
40°-50°	1160.4	11.3
50°-60°	1845.8	18.0
60°-70°	2706.7	26.4
70°-80°	2538.1	24.7
80°-90°	458.3	4.5
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°	10264.1	100.0
0°-180°	10264.1	100.0



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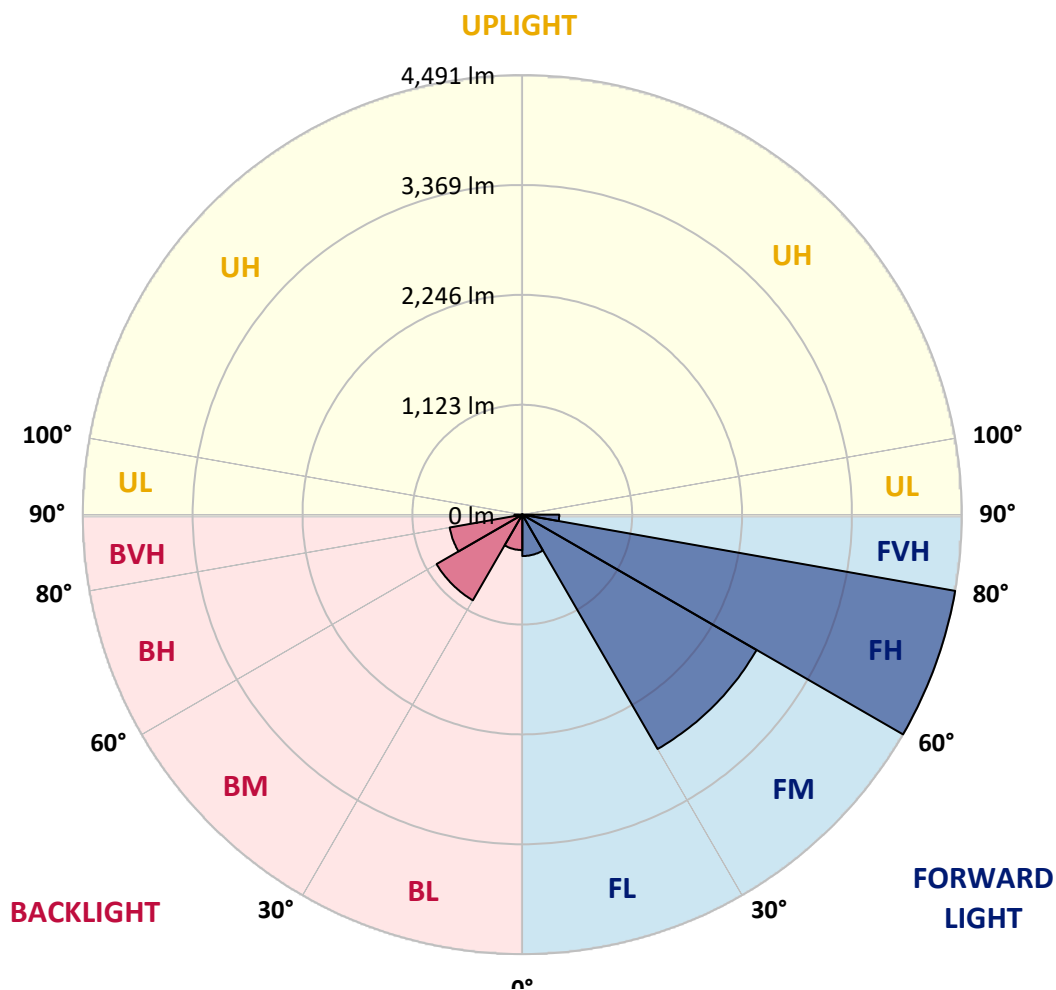
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	423.2	4.1			
FM	(30°-60°)	2765.2	26.9			
FH	(60°-80°)	4491.4	43.8			G2/5000
FVH	(80°-90°)	377.4	3.7			G3/500
BL	(0°-30°)	362.4	3.5	B1/500		
BM	(30°-60°)	1010.2	9.8	B2/2500		
BH	(60°-80°)	753.3	7.3	B2/1000		G2/1000
BVH	(80°-90°)	80.9	0.8			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5
2.5°	1083.7	1129.1	1151.9	1174.6	1182.2	1189.8	1189.8	1186.0	1186.0	1186.0	1193.5
5°	1102.6	1098.8	1098.8	1098.8	1095.0	1091.2	1087.4	1079.9	1076.1	1068.5	1064.7
7.5°	1011.7	1087.4	1091.2	1095.0	1095.0	1091.2	1098.8	1106.4	1098.8	1087.4	1072.3
10°	1201.1	1197.3	1189.8	1182.2	1170.8	1159.4	1072.3	981.4	988.9	996.5	924.5
12.5°	1042.0	1114.0	1144.3	1174.6	1178.4	1178.4	1117.8	1053.3	970.0	886.6	852.5
15°	1273.1	1265.5	1250.4	1235.2	1132.9	1026.8	966.2	905.6	905.6	905.6	803.3
17.5°	1072.3	1068.5	1136.7	1204.9	1167.0	1129.1	1042.0	954.8	826.0	693.4	776.7
20°	1314.8	1314.8	1295.8	1276.9	1102.6	924.5	935.9	943.5	947.3	947.3	909.4
22.5°	1102.6	1095.0	1102.6	1106.4	1106.4	1106.4	947.3	788.1	875.3	958.6	871.5
25°	1314.8	1318.6	1314.8	1311.0	1151.9	988.9	1015.5	1042.0	920.7	795.7	879.1
27.5°	1148.1	1144.3	1125.3	1106.4	1110.2	1114.0	1030.6	943.5	992.7	1042.0	954.8
30°	1405.7	1409.5	1398.1	1383.0	1223.9	1064.7	1057.1	1045.8	1011.7	977.6	1007.9
32.5°	1697.5	1697.5	1580.0	1462.6	1364.0	1261.7	1178.4	1095.0	1129.1	1163.2	1125.3
35°	1852.8	1845.3	1807.4	1765.7	1583.8	1398.1	1284.5	1167.0	1178.4	1186.0	1186.0
37.5°	2129.4	2125.6	2072.6	2019.5	1773.3	1523.2	1375.4	1223.9	1246.6	1265.5	1239.0
40°	2474.2	2474.2	2432.5	2387.1	2072.6	1754.3	1545.9	1337.5	1333.7	1326.2	1295.8
42.5°	2807.7	2819.0	2792.5	2766.0	2398.4	2030.9	1758.1	1485.3	1451.2	1417.1	1386.8
45°	3027.4	3042.6	3065.3	3088.0	2724.3	2360.6	2042.3	1720.2	1655.8	1587.6	1534.6
47.5°	3251.0	3228.2	3258.6	3288.9	2978.2	2667.5	2318.9	1970.3	1864.2	1758.1	1701.3
50°	3459.4	3451.8	3463.2	3474.5	3220.7	2966.8	2606.8	2246.9	2118.1	1985.4	1921.0
52.5°	3732.2	3705.7	3690.5	3675.3	3459.4	3243.4	2902.4	2557.6	2406.0	2250.7	2174.9
55°	3993.6	3982.3	3959.5	3933.0	3747.3	3561.7	3201.7	2841.8	2682.6	2523.5	2436.3
57.5°	4262.6	4255.1	4251.3	4247.5	4084.6	3921.6	3554.1	3182.8	3000.9	2815.2	2743.2
60°	4516.5	4520.3	4550.6	4577.1	4452.1	4327.1	3955.7	3584.4	3353.3	3118.4	3046.4
62.5°	4668.1	4679.4	4755.2	4827.2	4759.0	4690.8	4308.1	3921.6	3679.1	3432.8	3383.6
65°	4474.8	4531.7	4751.4	4971.2	4971.2	4971.2	4622.6	4270.2	4058.0	3845.9	3804.2
67.5°	4042.9	4099.7	4414.2	4724.9	4887.8	5050.8	4823.4	4596.1	4452.1	4304.3	4251.3
70°	3686.7	3720.8	4016.4	4308.1	4717.3	5126.5	4978.8	4827.2	4819.6	4808.3	4664.3
72.5°	3387.4	3463.2	3705.7	3944.4	4508.9	5073.5	5069.7	5065.9	5221.3	5376.6	5100.0
75°	2709.1	2701.6	2928.9	3156.3	3792.8	4425.6	4781.7	5134.1	5581.2	6024.5	5600.2
77.5°	1208.7	1292.1	1508.0	1724.0	2296.1	2864.5	3550.3	4236.1	5221.3	6202.6	5770.7
80°	344.8	363.7	424.4	481.2	750.2	1015.5	1735.4	2451.5	3690.5	4925.7	4634.0
82.5°	181.9	189.5	227.3	261.4	337.2	409.2	682.0	951.0	2015.8	3076.7	2811.4
85°	87.1	79.6	102.3	121.2	162.9	204.6	314.5	424.4	780.5	1136.7	981.4
87.5°	18.9	18.9	22.7	22.7	34.1	45.5	68.2	90.9	87.1	79.6	94.7
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°	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5
2.5°	1197.3	1201.1	1204.9	1201.1	1197.3	1193.5	1193.5	1189.8	1189.8	1186.0	1178.4
5°	1060.9	1114.0	1167.0	1170.8	1174.6	1174.6	1170.8	1167.0	1159.4	1155.6	1148.1
7.5°	1057.1	1038.2	1019.2	1023.0	1026.8	1030.6	1030.6	1019.2	1015.5	985.1	954.8
10°	848.7	829.8	810.8	822.2	833.6	875.3	898.0	890.4	882.8	829.8	773.0
12.5°	818.4	810.8	803.3	746.4	689.6	738.9	773.0	769.2	757.8	708.5	659.3
15°	701.0	704.8	704.8	769.2	833.6	875.3	905.6	898.0	890.4	829.8	769.2
17.5°	856.3	814.6	769.2	757.8	746.4	765.4	738.9	697.2	723.7	716.1	708.5
20°	867.7	765.4	659.3	765.4	871.5	898.0	954.8	951.0	939.7	886.6	833.6
22.5°	784.3	845.0	901.8	845.0	788.1	750.2	731.3	723.7	719.9	735.1	746.4
25°	962.4	848.7	731.3	871.5	1007.9	1038.2	1053.3	1042.0	1038.2	970.0	901.8
27.5°	863.9	924.5	985.1	1030.6	1076.1	1114.0	1227.6	1117.8	1114.0	1049.6	981.4
30°	1034.4	1098.8	1163.2	1280.7	1398.1	1462.6	1485.3	1477.7	1458.8	1356.5	1254.2
32.5°	1087.4	1216.3	1341.3	1394.4	1443.6	1511.8	1545.9	1542.1	1523.2	1401.9	1276.9
35°	1186.0	1280.7	1375.4	1447.4	1515.6	1580.0	1610.3	1621.7	1599.0	1447.4	1292.1
37.5°	1212.5	1333.7	1455.0	1530.8	1606.5	1655.8	1682.3	1716.4	1689.9	1508.0	1322.4
40°	1265.5	1409.5	1549.7	1625.5	1697.5	1742.9	1788.4	1830.1	1796.0	1576.2	1352.7
42.5°	1352.7	1500.5	1644.4	1731.6	1814.9	1879.4	1932.4	1989.2	1924.8	1640.6	1352.7
45°	1481.5	1617.9	1754.3	1871.8	1985.4	2065.0	2140.8	2220.4	2091.5	1724.0	1352.7
47.5°	1644.4	1777.0	1905.9	2091.5	2277.2	2349.2	2440.1	2515.9	2307.5	1830.1	1352.7
50°	1852.8	2000.6	2148.4	2394.7	2637.2	2705.4	2819.0	2875.9	2595.5	1993.0	1386.8
52.5°	2095.3	2258.3	2417.4	2705.4	2993.3	3107.0	3258.6	3296.4	2887.2	2156.0	1420.9
55°	2349.2	2569.0	2784.9	3103.2	3417.7	3527.6	3743.5	3773.9	3262.3	2356.8	1447.4
57.5°	2671.3	2928.9	3182.8	3493.5	3800.4	3955.7	4293.0	4304.3	3698.1	2603.1	1504.2
60°	2974.4	3296.4	3614.7	3910.3	4205.8	4448.3	4838.6	4842.4	4107.3	2788.7	1466.3
62.5°	3334.3	3717.0	4095.9	4349.8	4603.7	4903.0	5372.8	5304.6	4395.3	2811.4	1227.6
65°	3758.7	4152.8	4546.8	4762.8	4975.0	5316.0	5823.7	5562.3	4474.8	2682.6	886.6
67.5°	4194.4	4562.0	4929.5	5100.0	5270.5	5702.5	6153.4	5592.6	4357.4	2489.4	617.6
70°	4520.3	4865.1	5209.9	5357.7	5505.4	5971.5	6251.9	5395.6	4027.7	2254.5	481.2
72.5°	4819.6	5145.5	5467.5	5543.3	5615.3	5854.0	5751.7	4755.2	3395.0	1898.3	397.8
75°	5175.8	5384.2	5588.8	5452.4	5316.0	4993.9	4414.2	3466.9	2485.6	1413.3	341.0
77.5°	5338.7	5289.5	5236.4	4770.4	4304.3	3440.4	2743.2	2004.4	1261.7	776.7	291.8
80°	4342.2	4145.2	3944.4	3163.8	2383.3	1629.3	1068.5	678.2	462.3	348.6	234.9
82.5°	2542.4	2084.0	1625.5	1193.5	761.6	534.3	348.6	276.6	216.0	204.6	189.5
85°	822.2	727.5	632.8	500.2	367.5	227.3	132.6	121.2	113.7	125.0	132.6
87.5°	109.9	109.9	106.1	79.6	49.3	26.5	15.2	11.4	11.4	15.2	15.2
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5
2.5°	1178.4	1174.6	1170.8	1167.0	1163.2	1155.6	1125.3	1095.0	1083.7	1068.5	1057.1
5°	1110.2	1072.3	1045.8	1019.2	1007.9	992.7	996.5	1000.3	1004.1	1004.1	1004.1
7.5°	962.4	970.0	973.8	973.8	985.1	992.7	1000.3	1004.1	988.9	973.8	954.8
10°	765.4	754.0	769.2	780.5	799.5	814.6	863.9	913.2	958.6	1004.1	1023.0
12.5°	697.2	735.1	704.8	674.4	735.1	791.9	860.1	928.3	970.0	1007.9	973.8
15°	708.5	644.1	651.7	655.5	731.3	803.3	761.6	719.9	837.4	951.0	985.1
17.5°	697.2	685.8	727.5	765.4	693.4	621.4	723.7	822.2	875.3	928.3	913.2
20°	754.0	670.7	670.7	670.7	735.1	799.5	750.2	701.0	757.8	814.6	909.4
22.5°	780.5	810.8	750.2	685.8	727.5	769.2	769.2	765.4	829.8	890.4	875.3
25°	788.1	674.4	727.5	776.7	750.2	719.9	754.0	784.3	803.3	822.2	905.6
27.5°	901.8	822.2	761.6	697.2	746.4	795.7	784.3	773.0	788.1	803.3	822.2
30°	1068.5	882.8	814.6	742.6	716.1	685.8	719.9	750.2	807.1	863.9	939.7
32.5°	1117.8	954.8	845.0	731.3	727.5	719.9	731.3	738.9	803.3	863.9	970.0
35°	1110.2	924.5	818.4	708.5	685.8	663.1	682.0	697.2	791.9	886.6	988.9
37.5°	1102.6	879.1	769.2	659.3	644.1	625.2	644.1	663.1	735.1	807.1	901.8
40°	1091.2	826.0	719.9	610.0	591.1	572.1	591.1	606.2	663.1	719.9	795.7
42.5°	1064.7	773.0	666.9	557.0	541.8	522.9	538.0	553.2	602.5	651.7	697.2
45°	1034.4	712.3	610.0	507.7	492.6	477.4	488.8	496.4	541.8	583.5	606.2
47.5°	1000.3	647.9	553.2	458.5	443.3	428.2	439.5	447.1	481.2	515.3	522.9
50°	992.7	594.9	507.7	416.8	405.4	390.3	397.8	405.4	431.9	454.7	454.7
52.5°	977.6	530.5	458.5	382.7	375.1	363.7	367.5	371.3	390.3	409.2	405.4
55°	966.2	485.0	420.6	356.2	348.6	337.2	341.0	344.8	363.7	378.9	375.1
57.5°	977.6	447.1	390.3	329.6	322.1	314.5	322.1	329.6	348.6	367.5	367.5
60°	939.7	409.2	356.2	303.1	299.3	291.8	310.7	325.9	356.2	382.7	390.3
62.5°	803.3	375.1	329.6	284.2	288.0	288.0	322.1	352.4	394.1	431.9	439.5
65°	617.6	348.6	310.7	269.0	288.0	306.9	352.4	397.8	435.7	473.6	462.3
67.5°	473.6	329.6	299.3	265.2	306.9	344.8	386.5	428.2	447.1	462.3	443.3
70°	397.8	310.7	288.0	261.4	303.1	344.8	386.5	428.2	435.7	443.3	424.4
72.5°	348.6	295.5	272.8	250.1	284.2	318.3	367.5	413.0	420.6	424.4	405.4
75°	310.7	276.6	250.1	223.6	257.7	288.0	337.2	386.5	394.1	397.8	382.7
77.5°	272.8	253.9	223.6	193.2	227.3	261.4	306.9	352.4	363.7	375.1	356.2
80°	227.3	216.0	193.2	170.5	208.4	242.5	284.2	325.9	337.2	348.6	329.6
82.5°	181.9	174.3	159.1	144.0	181.9	219.8	261.4	299.3	310.7	318.3	295.5
85°	132.6	132.6	125.0	117.5	155.3	189.5	216.0	242.5	238.7	234.9	219.8
87.5°	18.9	18.9	26.5	34.1	45.5	53.0	68.2	79.6	83.4	83.4	64.4
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: P559911

CATALOG NUMBER: SDL-PA1-100-760-U-T4W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1193.5	1193.5	1193.5	1193.5
2.5°	1045.8	1045.8	1042.0	1049.6
5°	1004.1	1007.9	1007.9	1011.7
7.5°	935.9	916.9	894.2	898.0
10°	1042.0	1045.8	1049.6	1049.6
12.5°	935.9	920.7	901.8	905.6
15°	1015.5	1026.8	1038.2	1042.0
17.5°	894.2	890.4	886.6	882.8
20°	1000.3	1019.2	1038.2	1038.2
22.5°	860.1	860.1	860.1	863.9
25°	988.9	1011.7	1030.6	1030.6
27.5°	837.4	890.4	943.5	985.1
30°	1011.7	1023.0	1034.4	1038.2
32.5°	1072.3	1129.1	1182.2	1193.5
35°	1087.4	1114.0	1136.7	1148.1
37.5°	996.5	1019.2	1042.0	1057.1
40°	867.7	886.6	905.6	916.9
42.5°	738.9	742.6	746.4	765.4
45°	629.0	610.0	591.1	587.3
47.5°	526.7	500.2	473.6	469.8
50°	450.9	428.2	405.4	405.4
52.5°	397.8	382.7	367.5	367.5
55°	371.3	363.7	352.4	352.4
57.5°	367.5	363.7	360.0	360.0
60°	394.1	397.8	397.8	397.8
62.5°	443.3	447.1	447.1	447.1
65°	447.1	439.5	431.9	431.9
67.5°	424.4	413.0	401.6	394.1
70°	401.6	394.1	382.7	371.3
72.5°	382.7	375.1	363.7	352.4
75°	363.7	352.4	337.2	329.6
77.5°	337.2	329.6	318.3	310.7
80°	306.9	299.3	288.0	272.8
82.5°	272.8	276.6	276.6	238.7
85°	200.8	189.5	174.3	144.0
87.5°	41.7	37.9	30.3	26.5
90°	0.0	0.0	0.0	0.0



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