

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: P559826

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
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-A
Description: Springdale
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8743.9 lumens
Efficiency: N/A
Efficacy: 93.2 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 - U3 - 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

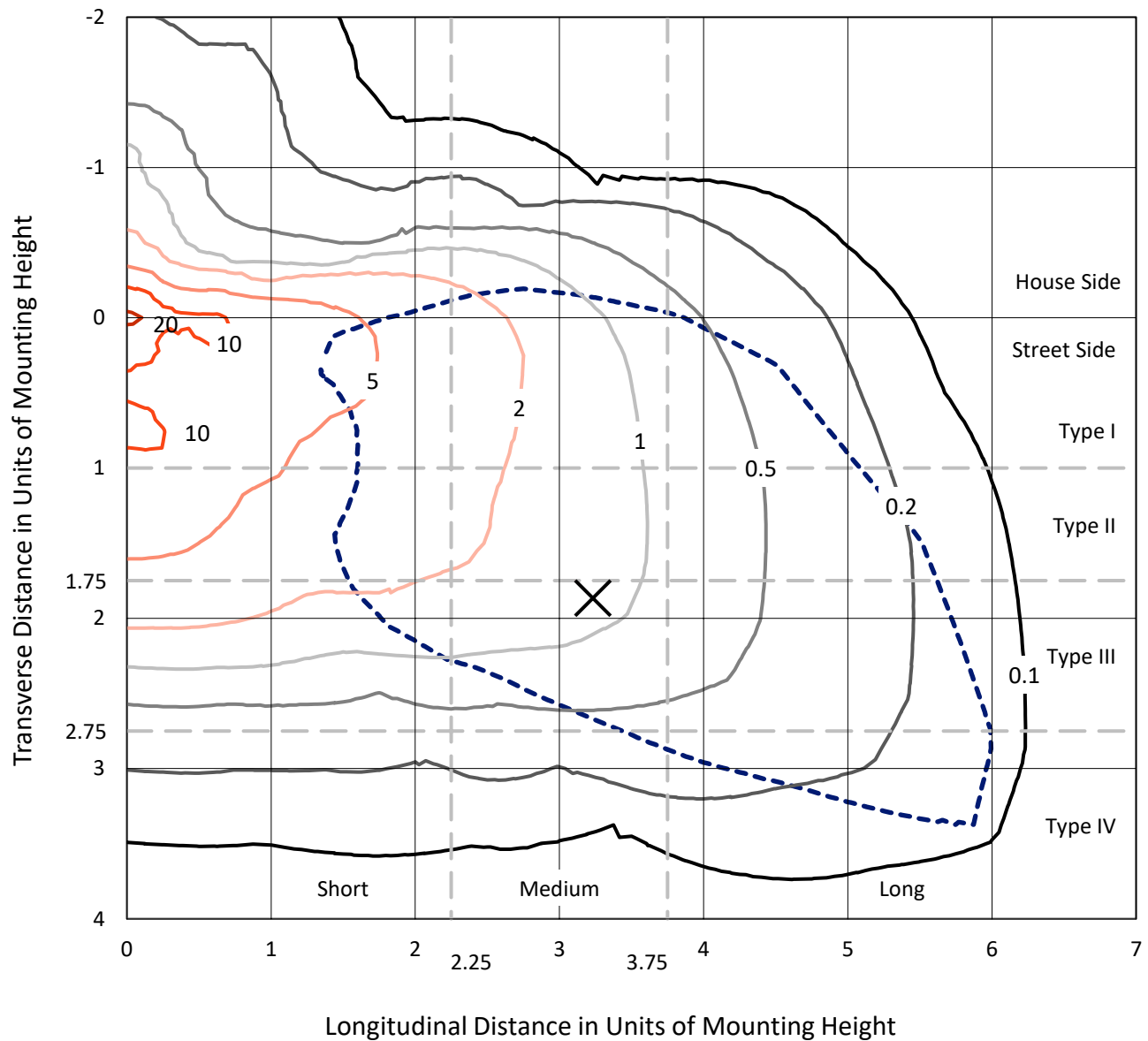


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

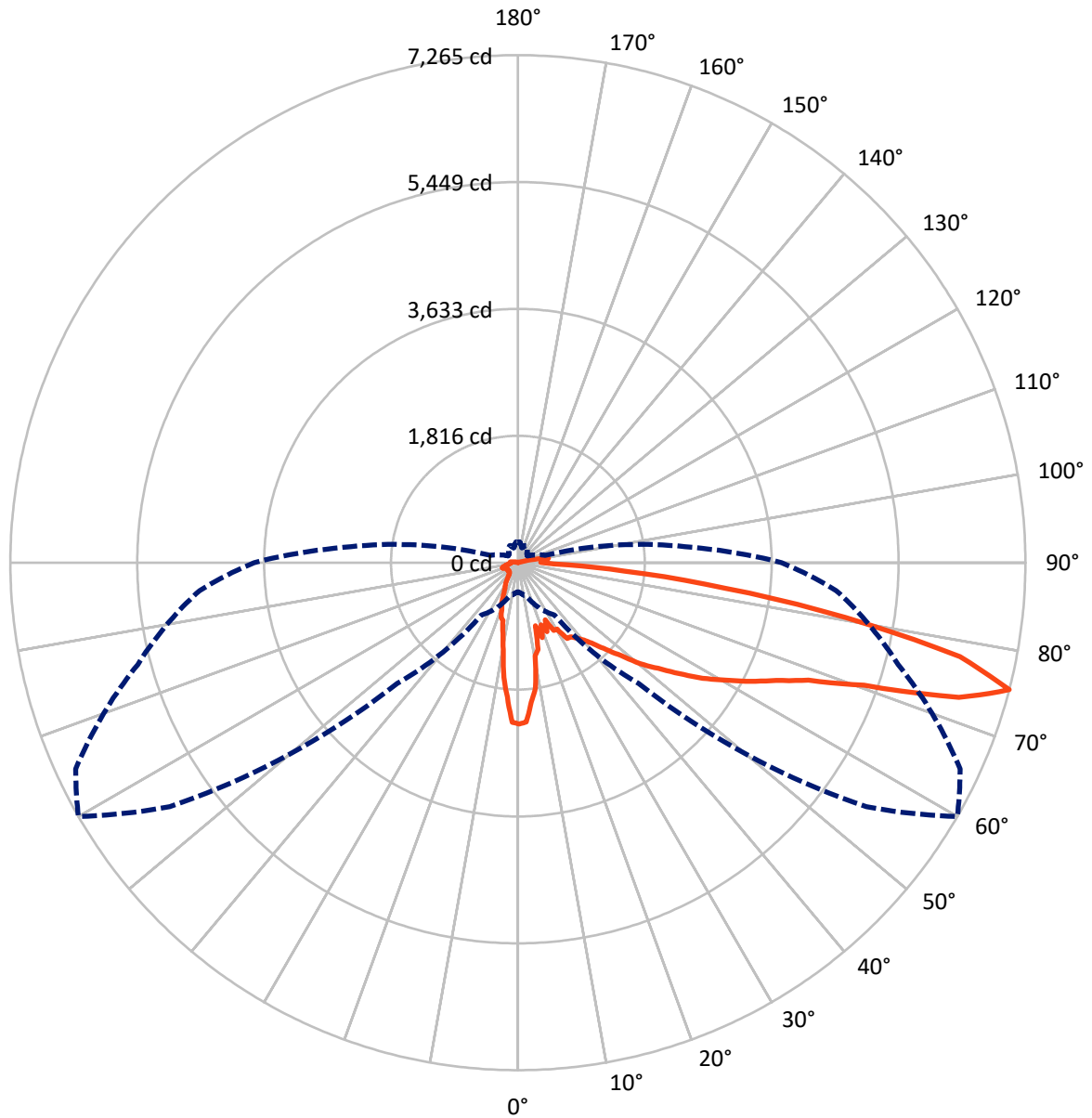


Based on 10 foot mounting height. Maximum calculated value = 23.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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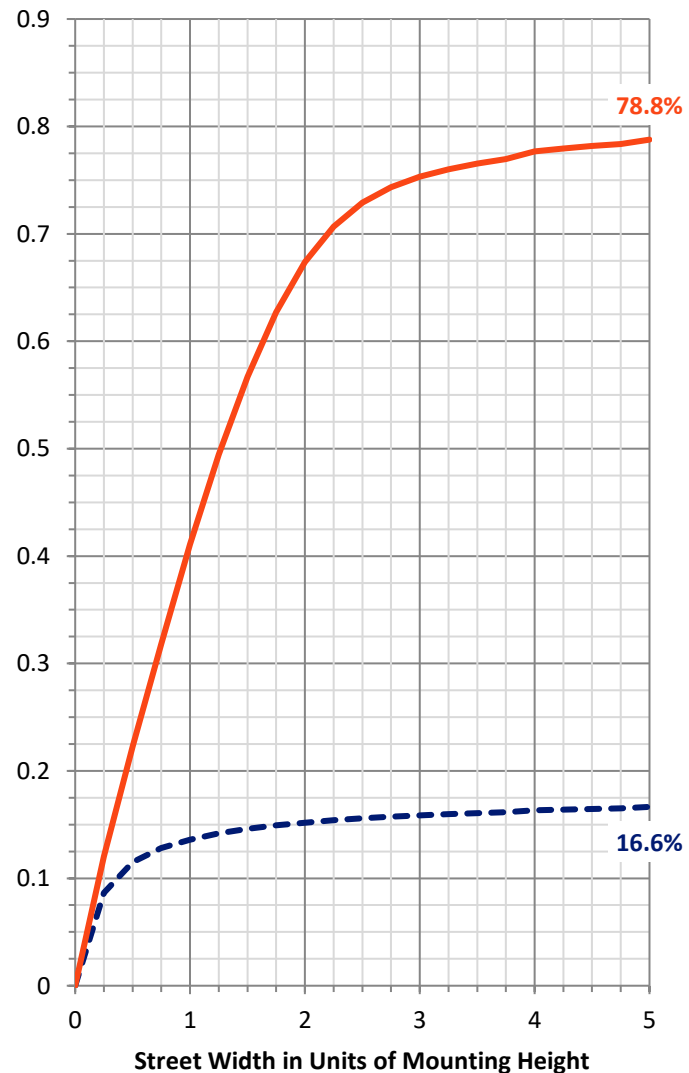
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1535.1	116.3	1651.4
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	6969.5	123.1	7092.5
	% Fixture	79.7	1.4	81.1
Total	Lumens	8504.5	239.4	8743.9
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	1.9
10°-20°	302.4	3.5
20°-30°	391.9	4.5
30°-40°	653.1	7.5
40°-50°	1045.7	12.0
50°-60°	1605.4	18.4
60°-70°	2005.9	22.9
70°-80°	1829.6	20.9
80°-90°	500.6	5.7
90°-100°	168.1	1.9
100°-110°	38.2	0.4
110°-120°	12.1	0.1
120°-130°	11.3	0.1
130°-140°	5.3	0.1
140°-150°	2.2	0.0
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8504.5	97.3
0°-180°	8743.9	100.0



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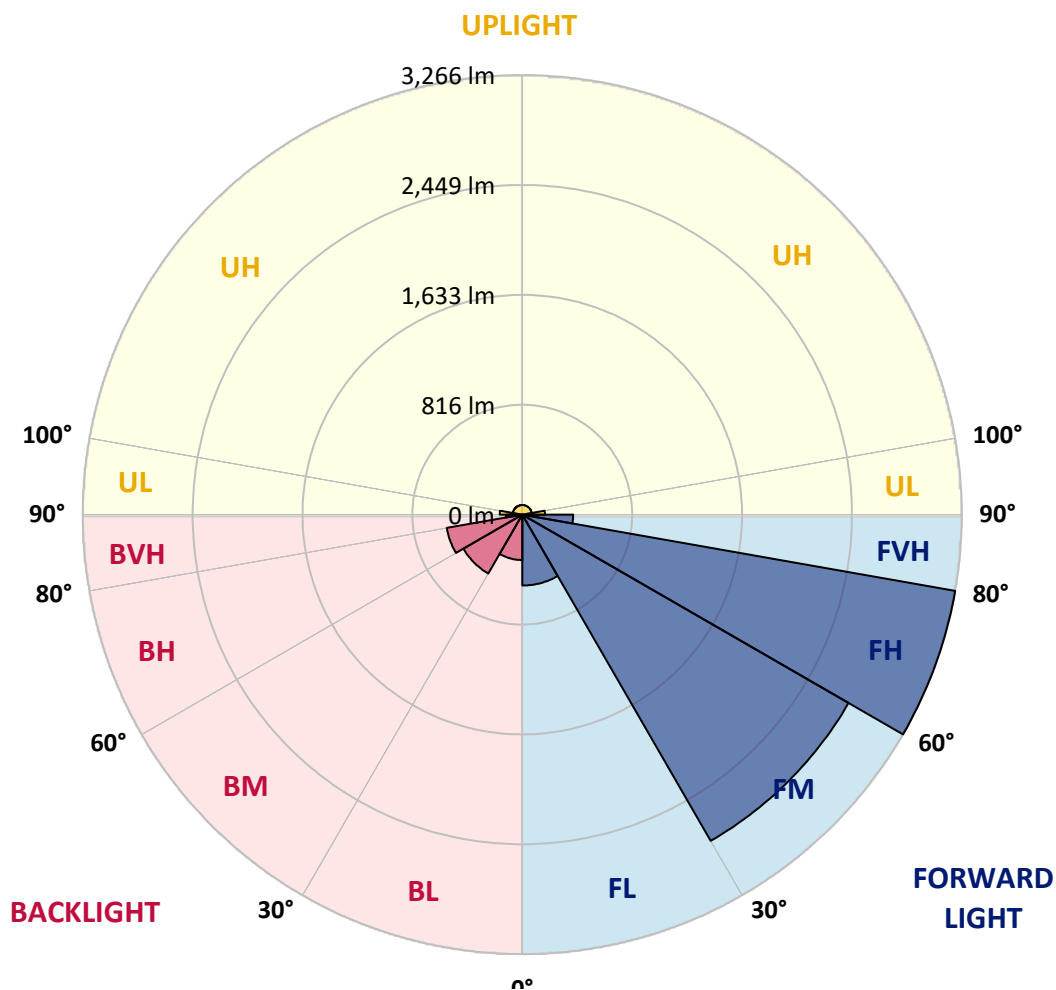
CATALOG NUMBER: SDL-PA1-100-730-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	526.7	6.0			
FM	(30°-60°)	2799.0	32.0			
FH	(60°-80°)	3266.0	37.4			G2/5000
FVH	(80°-90°)	377.8	4.3			G3/500
BL	(0°-30°)	337.5	3.9	B1/500		
BM	(30°-60°)	505.2	5.8	B1/1000		
BH	(60°-80°)	569.6	6.5	B2/1000		G2/1000
BVH	(80°-90°)	122.8	1.4			G2/225
UL	(90°-100°)	168.1	1.9		U3/500	
UH	(100°-180°)	71.3	0.8		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2
2.5°	1937.4	2118.2	2101.1	2240.9	2240.9	2271.6	2285.3	2281.9	2295.5	2309.2	2305.8
5°	1783.9	1787.3	1800.9	1831.6	1841.9	1852.1	1886.2	2005.6	2206.8	2254.6	2254.6
7.5°	1473.5	1555.4	1657.7	1674.7	1736.1	1766.8	1804.4	1811.2	1674.7	1920.3	1944.2
10°	1494.0	1497.4	1490.6	1528.1	1483.7	1466.7	1347.3	1354.1	1367.8	1459.9	1644.0
12.5°	1169.9	1238.1	1384.8	1453.0	1343.9	1224.5	1217.7	1275.7	1299.5	1163.1	1449.6
15°	1337.1	1343.9	1347.3	1350.7	1002.8	1163.1	1016.4	934.6	1047.1	1320.0	1500.8
17.5°	1047.1	1054.0	1214.3	1210.9	1105.1	893.7	1105.1	1129.0	1084.7	1122.2	1255.2
20°	1227.9	1231.3	1221.1	948.2	968.7	1094.9	951.6	948.2	1002.8	1292.7	1459.9
22.5°	1009.6	996.0	992.6	1084.7	985.7	1054.0	924.3	1071.0	1163.1	1152.9	1101.7
25°	1265.4	1262.0	1210.9	944.8	1009.6	893.7	1081.2	907.3	1006.2	1395.0	1459.9
27.5°	1183.6	1135.8	1050.6	1091.5	941.4	1047.1	961.9	1098.3	1159.7	1432.6	1691.8
30°	1531.5	1497.4	1398.5	1101.7	1040.3	965.3	1030.1	1101.7	1320.0	1845.3	1934.0
32.5°	2022.7	1985.1	1630.4	1350.7	1091.5	1142.6	1084.7	1292.7	1456.4	1882.8	1951.0
35°	2172.7	2121.6	1947.6	1637.2	1251.8	1214.3	1156.3	1303.0	1476.9	1981.7	1981.7
37.5°	2258.0	2254.6	2172.7	1807.8	1412.1	1391.6	1245.0	1367.8	1558.8	2077.2	2056.8
40°	2271.6	2288.7	2326.2	1957.8	1603.1	1558.8	1360.9	1456.4	1674.7	2193.2	2152.3
42.5°	2384.2	2414.9	2500.2	2155.7	1794.1	1753.2	1497.4	1586.1	1800.9	2363.7	2353.5
45°	2565.0	2595.7	2670.7	2374.0	1961.3	1934.0	1719.1	1773.7	2005.6	2663.9	2568.4
47.5°	2940.2	2947.0	2916.3	2554.7	2142.0	2142.0	1934.0	1985.1	2189.8	2940.2	2848.1
50°	3315.4	3274.4	3138.0	2769.6	2322.8	2374.0	2155.7	2275.1	2397.8	3219.9	3093.7
52.5°	3523.4	3516.6	3332.4	2933.4	2479.7	2578.6	2411.5	2513.8	2588.9	3503.0	3325.6
55°	3530.3	3520.0	3393.8	3011.8	2626.4	2790.1	2667.3	2800.3	2854.9	3724.7	3642.8
57.5°	3417.7	3445.0	3380.2	3056.1	2698.0	2994.8	2977.7	3121.0	3148.2	3987.3	3861.1
60°	3240.3	3236.9	3315.4	3097.1	2807.2	3189.2	3264.2	3410.9	3557.5	4188.6	4055.5
62.5°	2796.9	2827.6	3049.3	3097.1	2926.5	3441.6	3584.8	3738.3	3919.1	4372.7	4229.5
65°	2189.8	2206.8	2554.7	2872.0	2960.6	3779.3	3908.9	4062.4	4253.4	4560.3	4423.9
67.5°	1323.4	1436.0	1736.1	2363.7	2786.7	4185.1	4423.9	4488.7	4597.9	4771.8	4710.4
70°	753.8	787.9	931.2	1487.1	2326.2	4314.8	5372.1	5256.2	5143.6	5184.5	5068.6
72.5°	573.0	593.5	658.3	880.0	1391.6	3810.0	6170.3	6600.1	6115.7	5614.3	5058.3
75°	416.1	436.6	501.4	709.5	914.1	2442.2	6088.4	7265.2	6985.5	5634.8	4574.0
77.5°	259.2	262.6	300.2	603.7	822.0	1224.5	4765.0	6470.4	6593.2	5263.0	3792.9
80°	180.8	184.2	191.0	324.0	757.2	982.3	3199.4	4751.4	4925.3	3663.3	1934.0
82.5°	129.6	136.4	143.3	191.0	491.2	938.0	1992.0	2991.3	2636.6	1326.8	784.5
85°	68.2	75.0	92.1	116.0	197.8	1019.9	1193.8	1521.3	1204.0	538.9	467.3
87.5°	27.3	23.9	20.5	30.7	54.6	392.3	463.9	511.6	395.7	303.6	371.8
90°	23.9	20.5	13.6	17.1	23.9	139.8	293.3	327.4	272.9	296.7	375.2
92.5°	23.9	20.5	13.6	13.6	23.9	139.8	351.3	358.1	283.1	303.6	392.3
95°	23.9	23.9	13.6	13.6	23.9	126.2	416.1	409.3	293.3	320.6	416.1
97.5°	23.9	23.9	10.2	13.6	23.9	85.3	429.8	443.4	286.5	228.5	344.5
100°	23.9	23.9	10.2	10.2	20.5	54.6	300.2	324.0	211.5	75.0	85.3
102.5°	23.9	23.9	10.2	10.2	13.6	37.5	133.0	160.3	126.2	23.9	27.3
105°	23.9	27.3	6.8	6.8	10.2	20.5	58.0	64.8	51.2	17.1	30.7
107.5°	27.3	30.7	6.8	6.8	6.8	10.2	20.5	23.9	13.6	13.6	30.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	23.9	20.5	3.4	6.8	6.8	6.8	6.8	6.8	6.8	13.6	34.1
115°	13.6	10.2	3.4	6.8	6.8	6.8	3.4	6.8	10.2	13.6	30.7
117.5°	13.6	10.2	3.4	3.4	3.4	6.8	3.4	3.4	10.2	17.1	37.5
120°	10.2	10.2	3.4	3.4	3.4	3.4	3.4	6.8	6.8	23.9	51.2
122.5°	10.2	10.2	3.4	3.4	3.4	3.4	3.4	6.8	6.8	23.9	51.2
125°	13.6	13.6	6.8	3.4	3.4	3.4	3.4	6.8	6.8	20.5	47.8
127.5°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	6.8	6.8	17.1	37.5
130°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	6.8	3.4	17.1	30.7
132.5°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4	10.2	23.9
135°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4	6.8	17.1
137.5°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8
140°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4
150°	6.8	6.8	13.6	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	13.6	13.6	13.6	10.2	3.4	3.4	6.8	10.2	3.4	3.4	3.4
155°	10.2	10.2	10.2	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2
157.5°	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2
2.5°	2295.5	2302.3	2295.5	2288.7	2281.9	2261.4	2121.6	1951.0	1937.4	1951.0	1944.2
5°	2237.5	2237.5	2234.1	1998.8	1858.9	1818.0	1807.8	1797.5	1777.1	1766.8	1773.7
7.5°	1930.6	1920.3	1800.9	1589.5	1722.5	1674.7	1647.5	1633.8	1429.2	1354.1	1360.9
10°	1613.3	1613.3	1340.5	1265.4	1258.6	1279.1	1418.9	1408.7	1381.4	1364.4	1381.4
12.5°	1391.6	1449.6	1064.2	1139.2	924.3	1023.3	1118.8	1187.0	978.9	920.9	931.2
15°	1476.9	1456.4	1169.9	893.7	815.2	859.5	689.0	863.0	849.3	822.0	818.6
17.5°	1289.3	1183.6	975.5	839.1	805.0	607.1	590.1	610.5	559.4	511.6	535.5
20°	1401.9	1343.9	1033.5	747.0	620.8	552.6	416.1	388.8	494.6	518.5	515.0
22.5°	1169.9	975.5	845.9	743.6	501.4	395.7	313.8	344.5	368.4	392.3	402.5
25°	1374.6	1268.8	924.3	556.0	405.9	289.9	283.1	255.8	385.4	440.0	436.6
27.5°	1586.1	1436.0	890.2	521.9	293.3	249.0	228.5	259.2	269.5	303.6	324.0
30°	1773.7	1592.9	1030.1	484.3	245.6	187.6	204.7	211.5	262.6	283.1	283.1
32.5°	1766.8	1548.5	920.9	412.7	201.2	170.5	170.5	201.2	231.9	279.7	283.1
35°	1763.4	1514.4	822.0	320.6	177.4	150.1	156.9	191.0	231.9	259.2	262.6
37.5°	1804.4	1504.2	723.1	259.2	160.3	143.3	150.1	180.8	249.0	276.3	276.3
40°	1865.8	1511.0	624.2	221.7	153.5	139.8	143.3	191.0	225.1	249.0	249.0
42.5°	2053.3	1609.9	538.9	204.7	153.5	136.4	136.4	177.4	228.5	269.5	272.9
45°	2193.2	1688.4	474.1	204.7	150.1	129.6	143.3	177.4	201.2	296.7	317.2
47.5°	2418.3	1831.6	412.7	204.7	150.1	126.2	133.0	174.0	211.5	341.1	354.7
50°	2643.4	1974.9	385.4	204.7	150.1	122.8	150.1	167.1	211.5	354.7	365.0
52.5°	2882.2	2152.3	368.4	204.7	150.1	129.6	163.7	201.2	228.5	317.2	313.8
55°	3127.8	2309.2	358.1	211.5	150.1	129.6	177.4	187.6	194.4	245.6	252.4
57.5°	3356.3	2500.2	378.6	211.5	146.7	136.4	167.1	184.2	170.5	214.9	218.3
60°	3537.1	2674.1	429.8	204.7	143.3	136.4	170.5	201.2	191.0	235.4	242.2
62.5°	3745.1	2858.3	549.2	208.1	143.3	139.8	191.0	218.3	194.4	231.9	245.6
65°	4018.0	3138.0	682.2	228.5	146.7	146.7	194.4	235.4	194.4	228.5	228.5
67.5°	4325.0	3397.2	682.2	266.0	156.9	156.9	194.4	249.0	208.1	228.5	228.5
70°	4550.1	3410.9	562.8	293.3	170.5	167.1	201.2	259.2	211.5	252.4	249.0
72.5°	4301.1	3039.1	467.3	289.9	184.2	174.0	228.5	266.0	214.9	286.5	283.1
75°	3775.8	2507.0	405.9	259.2	167.1	177.4	238.8	272.9	218.3	300.2	293.3
77.5°	2977.7	1828.2	344.5	218.3	146.7	170.5	245.6	279.7	225.1	317.2	313.8
80°	1442.8	917.5	279.7	184.2	133.0	163.7	245.6	276.3	221.7	327.4	327.4
82.5°	651.5	457.1	191.0	126.2	133.0	167.1	252.4	279.7	221.7	320.6	317.2
85°	422.9	313.8	122.8	98.9	133.0	191.0	255.8	266.0	211.5	296.7	296.7
87.5°	317.2	218.3	64.8	61.4	146.7	208.1	255.8	245.6	204.7	279.7	272.9
90°	324.0	231.9	68.2	61.4	156.9	211.5	255.8	242.2	197.8	252.4	252.4
92.5°	351.3	255.8	78.5	68.2	160.3	191.0	242.2	218.3	184.2	218.3	214.9
95°	382.0	286.5	92.1	78.5	139.8	139.8	191.0	177.4	156.9	167.1	167.1
97.5°	279.7	204.7	81.9	85.3	105.7	88.7	126.2	119.4	81.9	75.0	71.6
100°	81.9	68.2	75.0	81.9	75.0	64.8	95.5	92.1	54.6	27.3	27.3
102.5°	30.7	34.1	68.2	75.0	58.0	47.8	68.2	75.0	44.3	6.8	10.2
105°	27.3	23.9	47.8	58.0	34.1	27.3	34.1	47.8	27.3	6.8	6.8
107.5°	30.7	23.9	23.9	30.7	13.6	13.6	13.6	17.1	10.2	6.8	6.8



REPORT NUMBER: P559826

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.7	23.9	13.6	13.6	10.2	10.2	6.8	6.8	10.2	17.1	17.1
115°	34.1	27.3	13.6	10.2	6.8	10.2	6.8	3.4	10.2	23.9	23.9
117.5°	40.9	30.7	10.2	10.2	6.8	6.8	6.8	3.4	10.2	30.7	34.1
120°	51.2	37.5	13.6	6.8	6.8	6.8	6.8	3.4	13.6	34.1	37.5
122.5°	51.2	40.9	13.6	6.8	6.8	3.4	3.4	6.8	13.6	34.1	37.5
125°	47.8	37.5	13.6	6.8	6.8	3.4	3.4	3.4	17.1	34.1	37.5
127.5°	37.5	34.1	13.6	6.8	3.4	3.4	3.4	6.8	13.6	30.7	30.7
130°	30.7	27.3	10.2	6.8	3.4	3.4	3.4	3.4	13.6	23.9	27.3
132.5°	23.9	20.5	10.2	6.8	3.4	3.4	3.4	3.4	13.6	23.9	23.9
135°	17.1	17.1	6.8	3.4	3.4	3.4	3.4	3.4	10.2	17.1	20.5
137.5°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2
140°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	6.8	6.8
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8
145°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	6.8	6.8
155°	10.2	10.2	10.2	6.8	3.4	0.0	0.0	0.0	3.4	3.4	6.8
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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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110°	30.7	30.7	6.8	6.8	6.8	10.2	6.8	6.8	10.2	13.6	34.1
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110°	30.7	23.9	13.6	13.6	10.2	10.2	10.2	6.8	6.8	6.8	6.8
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(END OF REPORT)