

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: P560904

Luminaire Tested: **SDL-PA1-70-740-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560904
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-PA1-70-740-U-SL3-A
Description: Springdale
(1) 70 CRI, 4000K, 930mA 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: 7908.2 lumens
Efficiency: N/A
Efficacy: 109.5 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): 72.2
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

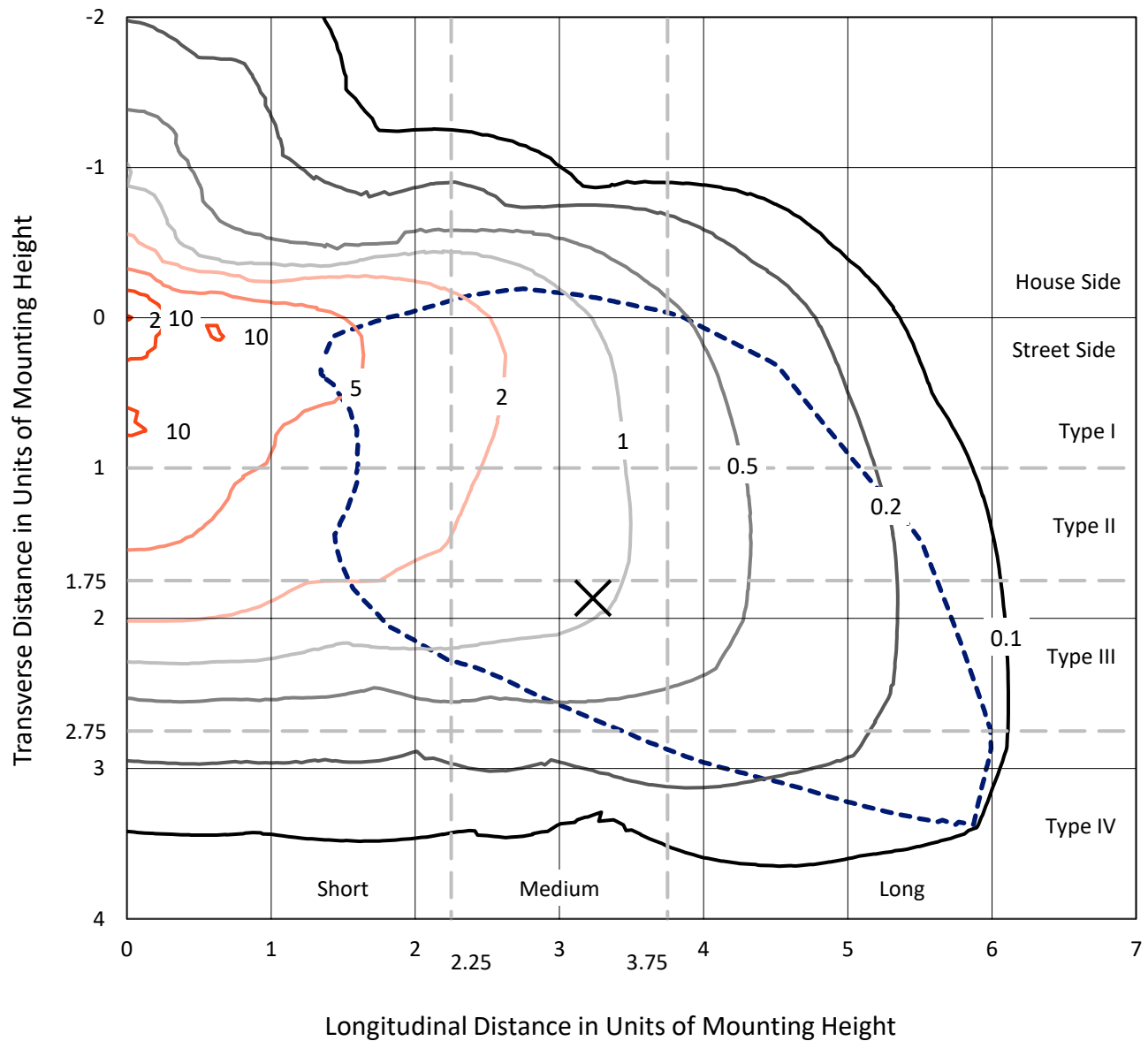


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

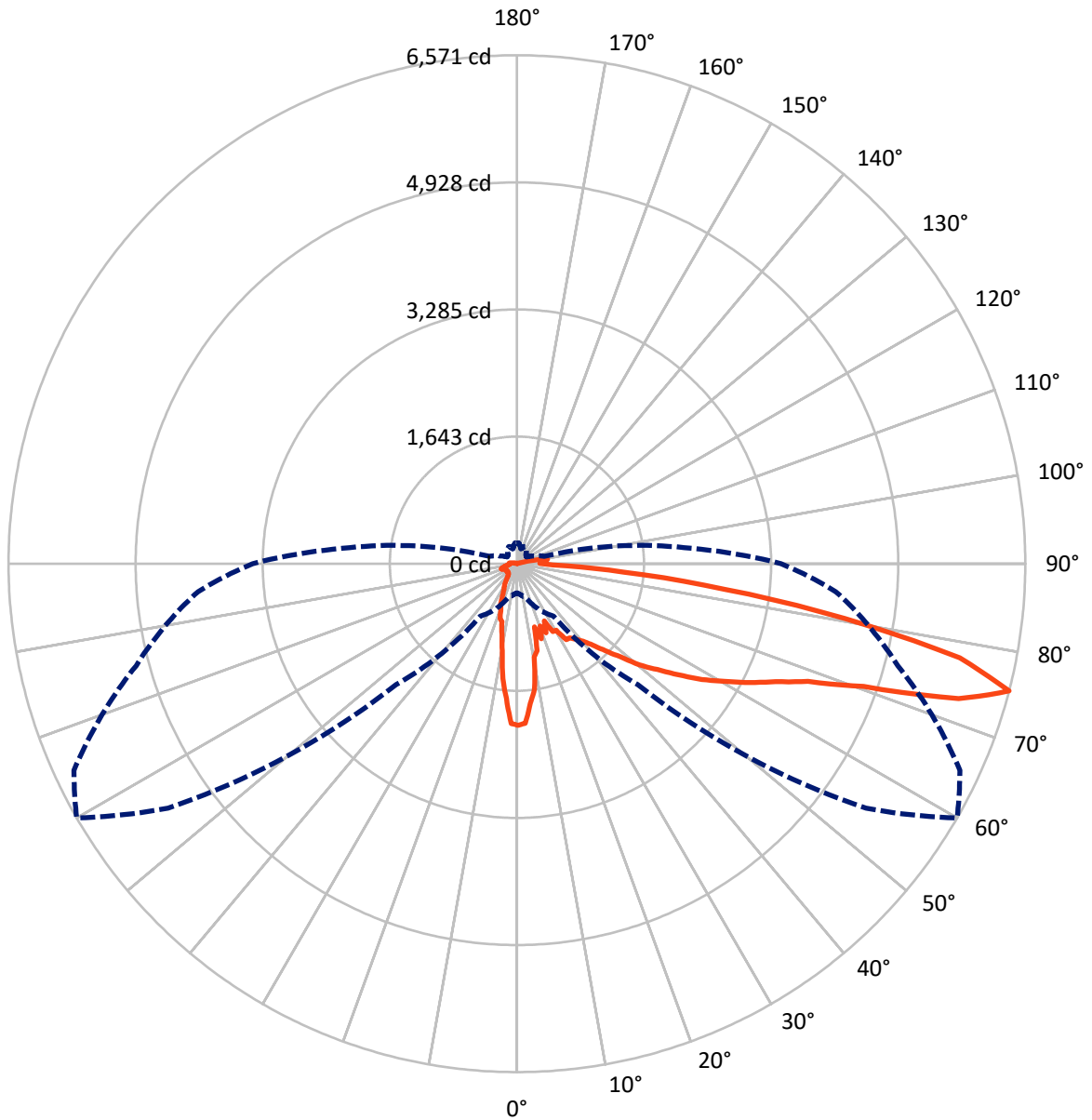


Based on 10 foot mounting height. Maximum calculated value = 20.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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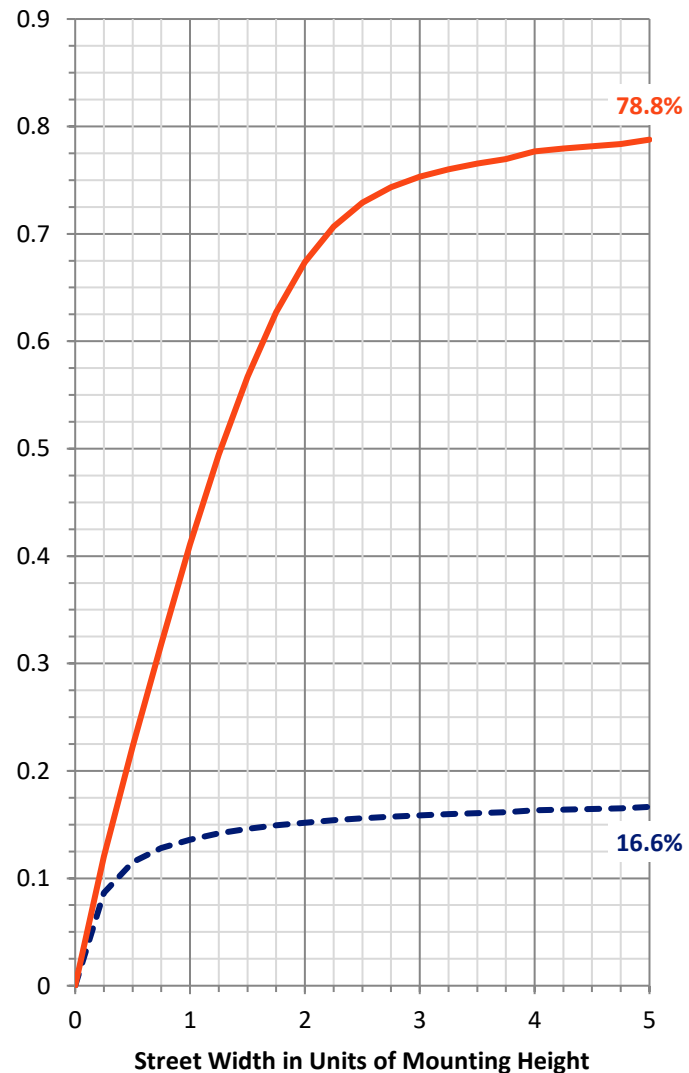
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1388.3	105.3	1493.6
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	6303.2	111.4	6414.6
	% Fixture	79.7	1.4	81.1
Total	Lumens	7691.6	216.6	7908.2
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	1.9
10°-20°	273.5	3.5
20°-30°	354.4	4.5
30°-40°	590.7	7.5
40°-50°	945.7	12.0
50°-60°	1451.9	18.4
60°-70°	1814.2	22.9
70°-80°	1654.7	20.9
80°-90°	452.8	5.7
90°-100°	152.0	1.9
100°-110°	34.6	0.4
110°-120°	11.0	0.1
120°-130°	10.2	0.1
130°-140°	4.9	0.1
140°-150°	2.0	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7691.6	97.3
0°-180°	7908.2	100.0



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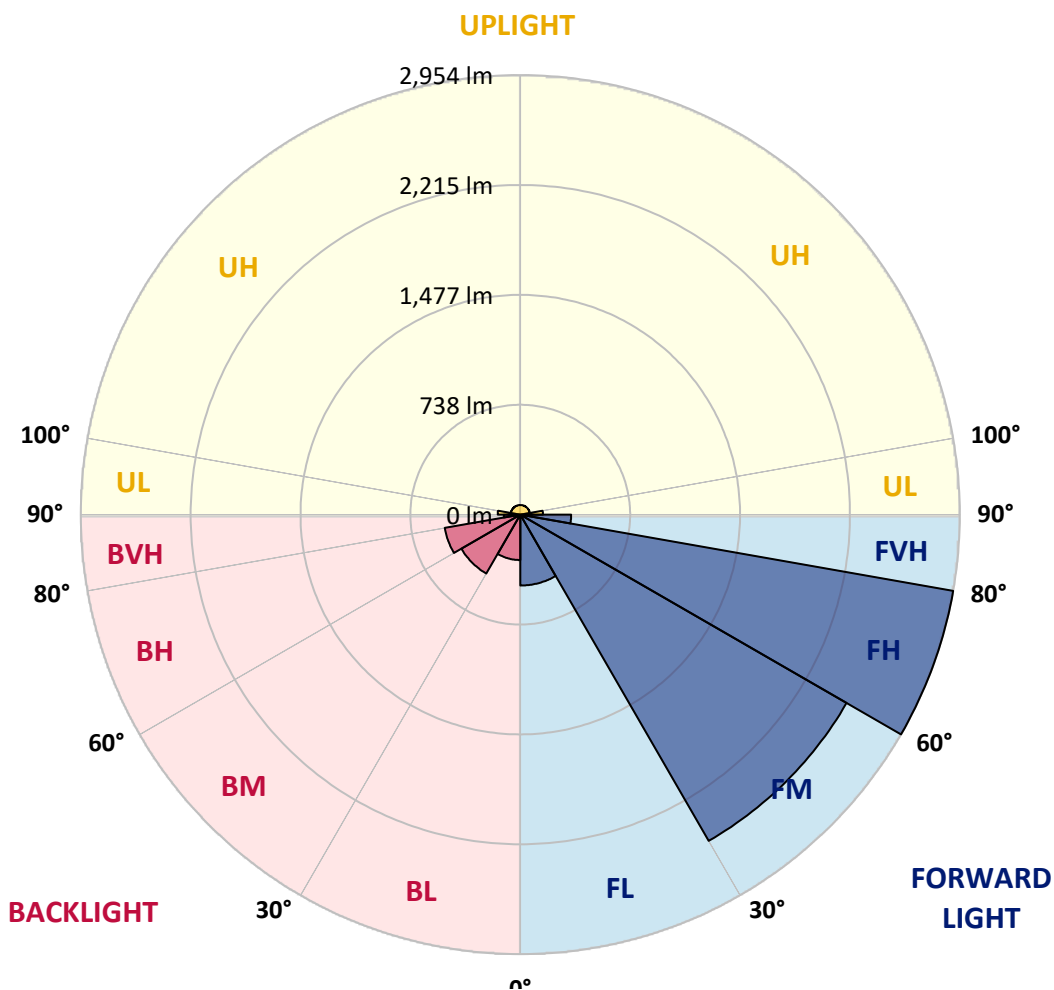
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	476.3	6.0			
FM	(30°-60°)	2531.4	32.0			
FH	(60°-80°)	2953.8	37.4			G2/5000
FVH	(80°-90°)	341.7	4.3			G3/500
BL	(0°-30°)	305.2	3.9	B1/500		
BM	(30°-60°)	456.9	5.8	B1/1000		
BH	(60°-80°)	515.1	6.5	B2/1000		G2/1000
BVH	(80°-90°)	111.1	1.4			G2/225
UL	(90°-100°)	152.0	1.9		U3/500	
UH	(100°-180°)	64.6	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°	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4
2.5°	1752.2	1915.7	1900.3	2026.7	2026.7	2054.5	2066.8	2063.7	2076.1	2088.4	2085.3
5°	1613.4	1616.4	1628.8	1656.6	1665.8	1675.1	1705.9	1813.9	1995.9	2039.1	2039.1
7.5°	1332.6	1406.7	1499.2	1514.6	1570.2	1597.9	1631.9	1638.0	1514.6	1736.8	1758.3
10°	1351.2	1354.2	1348.1	1382.0	1341.9	1326.5	1218.5	1224.7	1237.0	1320.3	1486.9
12.5°	1058.1	1119.8	1252.4	1314.1	1215.4	1107.5	1101.3	1153.7	1175.3	1051.9	1311.0
15°	1209.3	1215.4	1218.5	1221.6	906.9	1051.9	919.3	845.2	947.0	1193.8	1357.3
17.5°	947.0	953.2	1098.2	1095.1	999.5	808.2	999.5	1021.1	981.0	1014.9	1135.2
20°	1110.5	1113.6	1104.4	857.6	876.1	990.2	860.7	857.6	906.9	1169.1	1320.3
22.5°	913.1	900.8	897.7	981.0	891.5	953.2	836.0	968.6	1051.9	1042.7	996.4
25°	1144.5	1141.4	1095.1	854.5	913.1	808.2	977.9	820.6	910.0	1261.7	1320.3
27.5°	1070.4	1027.2	950.1	987.1	851.4	947.0	869.9	993.3	1048.8	1295.6	1530.1
30°	1385.1	1354.2	1264.8	996.4	940.9	873.0	931.6	996.4	1193.8	1668.9	1749.1
32.5°	1829.3	1795.4	1474.5	1221.6	987.1	1033.4	981.0	1169.1	1317.2	1702.8	1764.5
35°	1965.0	1918.8	1761.4	1480.7	1132.1	1098.2	1045.8	1178.4	1335.7	1792.3	1792.3
37.5°	2042.2	2039.1	1965.0	1635.0	1277.1	1258.6	1126.0	1237.0	1409.8	1878.7	1860.1
40°	2054.5	2069.9	2103.8	1770.7	1449.9	1409.8	1230.8	1317.2	1514.6	1983.5	1946.5
42.5°	2156.3	2184.1	2261.2	1949.6	1622.6	1585.6	1354.2	1434.4	1628.8	2137.8	2128.5
45°	2319.8	2347.6	2415.4	2147.0	1773.8	1749.1	1554.8	1604.1	1813.9	2409.2	2322.9
47.5°	2659.1	2665.3	2637.5	2310.5	1937.3	1937.3	1749.1	1795.4	1980.5	2659.1	2575.8
50°	2998.4	2961.4	2838.0	2504.9	2100.8	2147.0	1949.6	2057.6	2168.6	2912.1	2797.9
52.5°	3186.6	3180.5	3013.9	2652.9	2242.7	2332.1	2181.0	2273.5	2341.4	3168.1	3007.7
55°	3192.8	3183.5	3069.4	2723.9	2375.3	2523.4	2412.3	2532.6	2582.0	3368.6	3294.6
57.5°	3091.0	3115.7	3057.1	2764.0	2440.1	2708.5	2693.1	2822.6	2847.3	3606.2	3492.0
60°	2930.6	2927.5	2998.4	2801.0	2538.8	2884.3	2952.2	3084.8	3217.5	3788.2	3667.9
62.5°	2529.6	2557.3	2757.8	2801.0	2646.8	3112.6	3242.1	3381.0	3544.5	3954.7	3825.2
65°	1980.5	1995.9	2310.5	2597.4	2677.6	3418.0	3535.2	3674.0	3846.8	4124.4	4001.0
67.5°	1196.9	1298.7	1570.2	2137.8	2520.3	3785.1	4001.0	4059.6	4158.3	4315.7	4260.1
70°	681.7	712.6	842.2	1345.0	2103.8	3902.3	4858.6	4753.7	4651.9	4688.9	4584.0
72.5°	518.3	536.8	595.4	795.9	1258.6	3445.7	5580.4	5969.1	5531.1	5077.6	4574.8
75°	376.3	394.9	453.5	641.6	826.7	2208.7	5506.4	6570.7	6317.7	5096.1	4136.7
77.5°	234.4	237.5	271.5	546.0	743.4	1107.5	4309.5	5851.9	5963.0	4759.9	3430.3
80°	163.5	166.6	172.8	293.1	684.8	888.4	2893.6	4297.2	4454.5	3313.1	1749.1
82.5°	117.2	123.4	129.6	172.8	444.2	848.3	1801.5	2705.4	2384.6	1200.0	709.5
85°	61.7	67.9	83.3	104.9	178.9	922.4	1079.7	1375.8	1088.9	487.4	422.6
87.5°	24.7	21.6	18.5	27.8	49.4	354.8	419.5	462.7	357.8	274.5	336.2
90°	21.6	18.5	12.3	15.4	21.6	126.5	265.3	296.1	246.8	268.4	339.3
92.5°	21.6	18.5	12.3	12.3	21.6	126.5	317.7	323.9	256.0	274.5	354.8
95°	21.6	21.6	12.3	12.3	21.6	114.1	376.3	370.2	265.3	290.0	376.3
97.5°	21.6	21.6	9.3	12.3	21.6	77.1	388.7	401.0	259.1	206.7	311.6
100°	21.6	21.6	9.3	9.3	18.5	49.4	271.5	293.1	191.3	67.9	77.1
102.5°	21.6	21.6	9.3	9.3	12.3	33.9	120.3	145.0	114.1	21.6	24.7
105°	21.6	24.7	6.2	6.2	9.3	18.5	52.4	58.6	46.3	15.4	27.8
107.5°	24.7	27.8	6.2	6.2	6.2	9.3	18.5	21.6	12.3	12.3	27.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	21.6	18.5	3.1	6.2	6.2	6.2	6.2	6.2	6.2	12.3	30.8
115°	12.3	9.3	3.1	6.2	6.2	6.2	3.1	6.2	9.3	12.3	27.8
117.5°	12.3	9.3	3.1	3.1	3.1	6.2	3.1	3.1	9.3	15.4	33.9
120°	9.3	9.3	3.1	3.1	3.1	3.1	3.1	6.2	6.2	21.6	46.3
122.5°	9.3	9.3	3.1	3.1	3.1	3.1	3.1	6.2	6.2	21.6	46.3
125°	12.3	12.3	6.2	3.1	3.1	3.1	3.1	6.2	6.2	18.5	43.2
127.5°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	6.2	6.2	15.4	33.9
130°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	6.2	3.1	15.4	27.8
132.5°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1	9.3	21.6
135°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1	6.2	15.4
137.5°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2
140°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.2	6.2	6.2	3.1	3.1	3.1	3.1	3.1
150°	6.2	6.2	12.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1
152.5°	12.3	12.3	12.3	9.3	3.1	3.1	6.2	9.3	3.1	3.1	3.1
155°	9.3	9.3	9.3	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3
157.5°	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4
2.5°	2076.1	2082.3	2076.1	2069.9	2063.7	2045.2	1918.8	1764.5	1752.2	1764.5	1758.3
5°	2023.6	2023.6	2020.6	1807.7	1681.2	1644.2	1635.0	1625.7	1607.2	1597.9	1604.1
7.5°	1746.0	1736.8	1628.8	1437.5	1557.8	1514.6	1490.0	1477.6	1292.5	1224.7	1230.8
10°	1459.1	1459.1	1212.3	1144.5	1138.3	1156.8	1283.3	1274.0	1249.4	1233.9	1249.4
12.5°	1258.6	1311.0	962.5	1030.3	836.0	925.4	1011.8	1073.5	885.3	832.9	842.2
15°	1335.7	1317.2	1058.1	808.2	737.3	777.4	623.1	780.5	768.1	743.4	740.4
17.5°	1166.1	1070.4	882.3	758.9	728.0	549.1	533.7	552.2	505.9	462.7	484.3
20°	1267.9	1215.4	934.7	675.6	561.4	499.7	376.3	351.7	447.3	468.9	465.8
22.5°	1058.1	882.3	765.0	672.5	453.5	357.8	283.8	311.6	333.2	354.8	364.0
25°	1243.2	1147.6	836.0	502.8	367.1	262.2	256.0	231.4	348.6	397.9	394.9
27.5°	1434.4	1298.7	805.1	472.0	265.3	225.2	206.7	234.4	243.7	274.5	293.1
30°	1604.1	1440.6	931.6	438.0	222.1	169.7	185.1	191.3	237.5	256.0	256.0
32.5°	1597.9	1400.5	832.9	373.3	182.0	154.2	154.2	182.0	209.8	253.0	256.0
35°	1594.9	1369.7	743.4	290.0	160.4	135.7	141.9	172.8	209.8	234.4	237.5
37.5°	1631.9	1360.4	654.0	234.4	145.0	129.6	135.7	163.5	225.2	249.9	249.9
40°	1687.4	1366.6	564.5	200.5	138.8	126.5	129.6	172.8	203.6	225.2	225.2
42.5°	1857.1	1456.0	487.4	185.1	138.8	123.4	123.4	160.4	206.7	243.7	246.8
45°	1983.5	1527.0	428.8	185.1	135.7	117.2	129.6	160.4	182.0	268.4	286.9
47.5°	2187.1	1656.6	373.3	185.1	135.7	114.1	120.3	157.3	191.3	308.5	320.8
50°	2390.7	1786.1	348.6	185.1	135.7	111.1	135.7	151.2	191.3	320.8	330.1
52.5°	2606.7	1946.5	333.2	185.1	135.7	117.2	148.1	182.0	206.7	286.9	283.8
55°	2828.8	2088.4	323.9	191.3	135.7	117.2	160.4	169.7	175.8	222.1	228.3
57.5°	3035.5	2261.2	342.4	191.3	132.6	123.4	151.2	166.6	154.2	194.3	197.4
60°	3199.0	2418.5	388.7	185.1	129.6	123.4	154.2	182.0	172.8	212.9	219.0
62.5°	3387.1	2585.1	496.7	188.2	129.6	126.5	172.8	197.4	175.8	209.8	222.1
65°	3633.9	2838.0	617.0	206.7	132.6	132.6	175.8	212.9	175.8	206.7	206.7
67.5°	3911.6	3072.5	617.0	240.6	141.9	141.9	175.8	225.2	188.2	206.7	206.7
70°	4115.2	3084.8	509.0	265.3	154.2	151.2	182.0	234.4	191.3	228.3	225.2
72.5°	3890.0	2748.6	422.6	262.2	166.6	157.3	206.7	240.6	194.3	259.1	256.0
75°	3414.9	2267.3	367.1	234.4	151.2	160.4	215.9	246.8	197.4	271.5	265.3
77.5°	2693.1	1653.5	311.6	197.4	132.6	154.2	222.1	253.0	203.6	286.9	283.8
80°	1304.9	829.8	253.0	166.6	120.3	148.1	222.1	249.9	200.5	296.1	296.1
82.5°	589.2	413.4	172.8	114.1	120.3	151.2	228.3	253.0	200.5	290.0	286.9
85°	382.5	283.8	111.1	89.5	120.3	172.8	231.4	240.6	191.3	268.4	268.4
87.5°	286.9	197.4	58.6	55.5	132.6	188.2	231.4	222.1	185.1	253.0	246.8
90°	293.1	209.8	61.7	55.5	141.9	191.3	231.4	219.0	178.9	228.3	228.3
92.5°	317.7	231.4	71.0	61.7	145.0	172.8	219.0	197.4	166.6	197.4	194.3
95°	345.5	259.1	83.3	71.0	126.5	126.5	172.8	160.4	141.9	151.2	151.2
97.5°	253.0	185.1	74.0	77.1	95.6	80.2	114.1	108.0	74.0	67.9	64.8
100°	74.0	61.7	67.9	74.0	67.9	58.6	86.4	83.3	49.4	24.7	24.7
102.5°	27.8	30.8	61.7	67.9	52.4	43.2	61.7	67.9	40.1	6.2	9.3
105°	24.7	21.6	43.2	52.4	30.8	24.7	30.8	43.2	24.7	6.2	6.2
107.5°	27.8	21.6	21.6	27.8	12.3	12.3	12.3	15.4	9.3	6.2	6.2



REPORT NUMBER: P560904

CATALOG NUMBER: SDL-PA1-70-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.8	21.6	12.3	12.3	9.3	9.3	6.2	6.2	9.3	15.4	15.4
115°	30.8	24.7	12.3	9.3	6.2	9.3	6.2	3.1	9.3	21.6	21.6
117.5°	37.0	27.8	9.3	9.3	6.2	6.2	6.2	3.1	9.3	27.8	30.8
120°	46.3	33.9	12.3	6.2	6.2	6.2	6.2	3.1	12.3	30.8	33.9
122.5°	46.3	37.0	12.3	6.2	6.2	3.1	3.1	6.2	12.3	30.8	33.9
125°	43.2	33.9	12.3	6.2	6.2	3.1	3.1	3.1	15.4	30.8	33.9
127.5°	33.9	30.8	12.3	6.2	3.1	3.1	3.1	6.2	12.3	27.8	27.8
130°	27.8	24.7	9.3	6.2	3.1	3.1	3.1	3.1	12.3	21.6	24.7
132.5°	21.6	18.5	9.3	6.2	3.1	3.1	3.1	3.1	12.3	21.6	21.6
135°	15.4	15.4	6.2	3.1	3.1	3.1	3.1	3.1	9.3	15.4	18.5
137.5°	6.2	6.2	6.2	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3
140°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	6.2	6.2
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2
145°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	6.2	6.2
155°	9.3	9.3	9.3	6.2	3.1	0.0	0.0	0.0	3.1	3.1	6.2
157.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
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°	27.8	27.8	6.2	6.2	6.2	9.3	6.2	6.2	9.3	12.3	30.8
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110°	27.8	21.6	12.3	12.3	9.3	9.3	9.3	6.2	6.2	6.2	6.2
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(END OF REPORT)