

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: P560882

Luminaire Tested: **SDL-PA1-70-730-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560882
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-PA1-70-730-U-SL3-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 7202 lumens
Efficiency: N/A
Efficacy: 99.8 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: B1 - 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

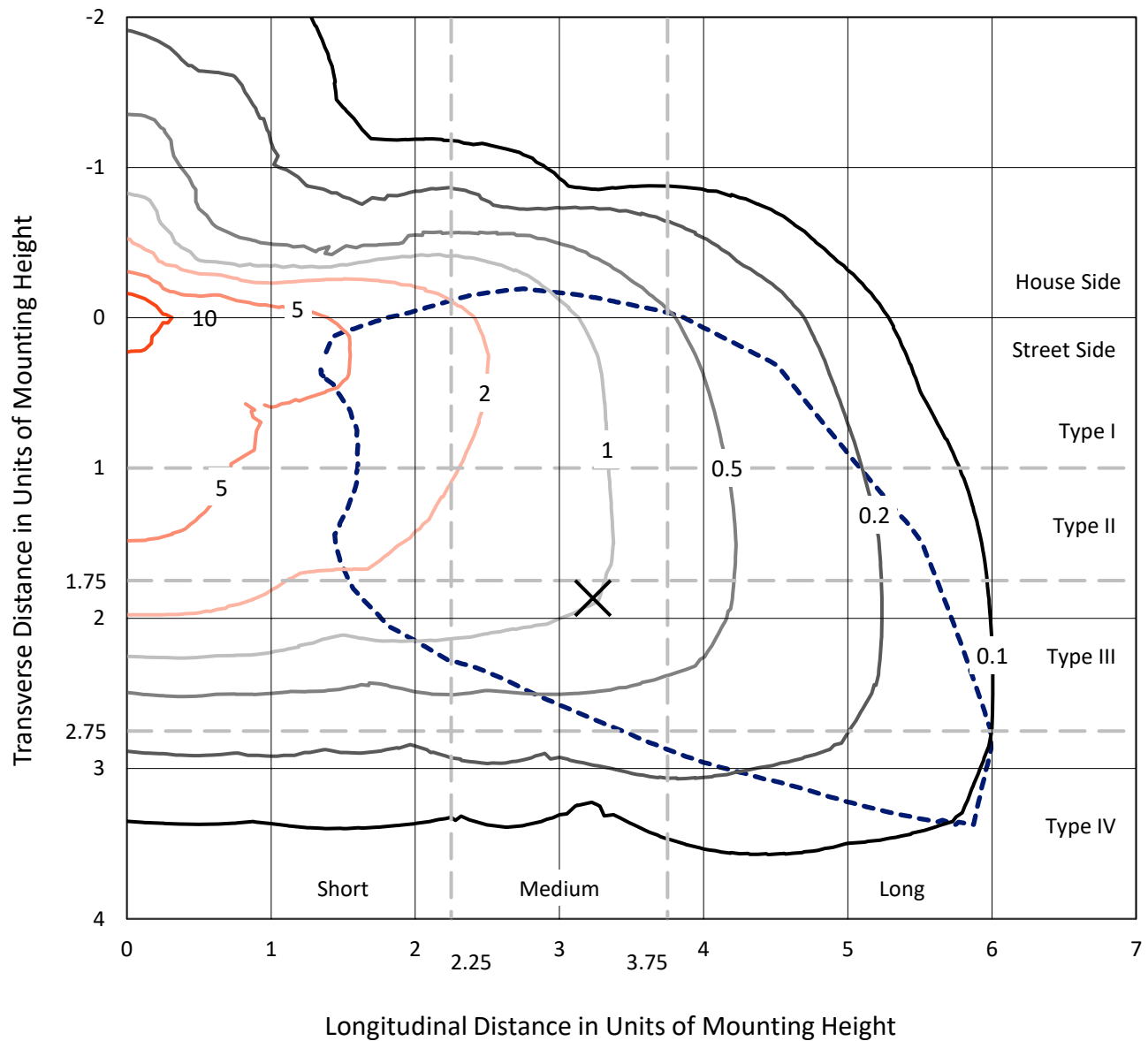


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

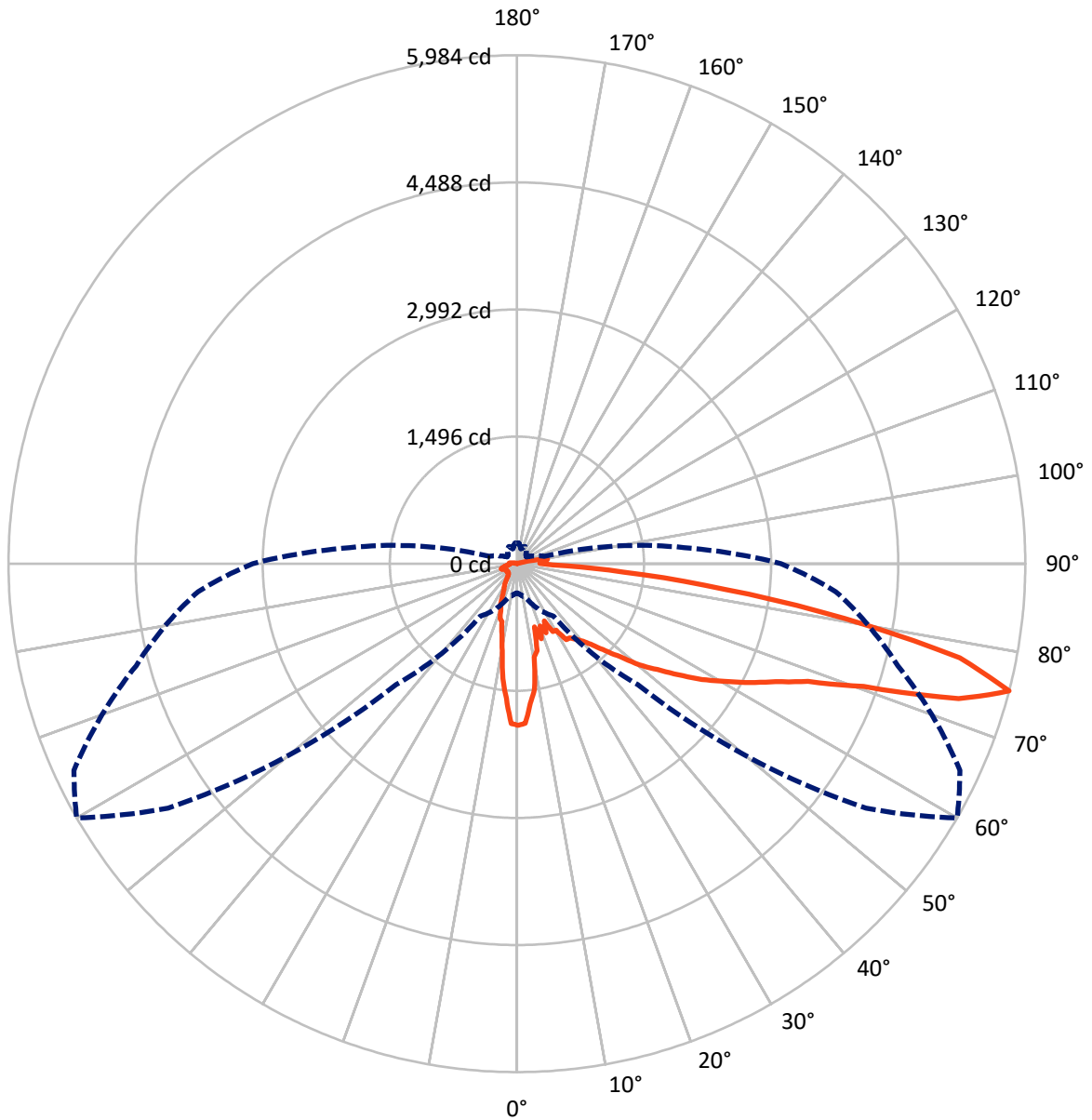


Based on 10 foot mounting height. Maximum calculated value = 19 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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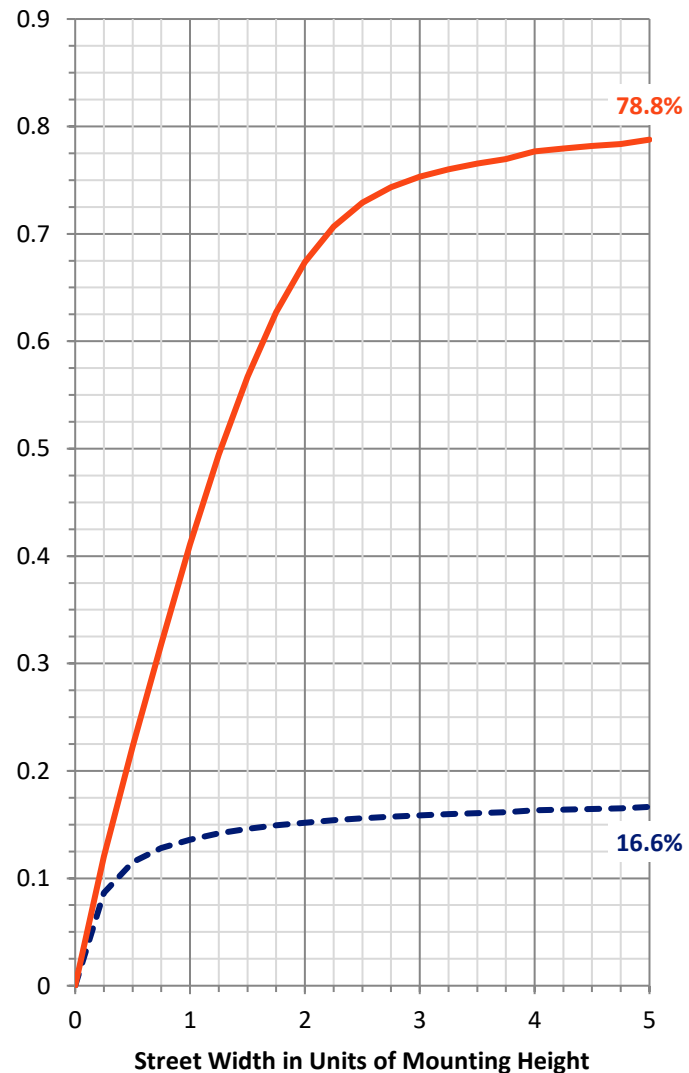
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1264.4	95.8	1360.2
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	5740.5	101.4	5841.8
	% Fixture	79.7	1.4	81.1
Total	Lumens	7004.8	197.2	7202.0
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	1.9
10°-20°	249.1	3.5
20°-30°	322.8	4.5
30°-40°	537.9	7.5
40°-50°	861.3	12.0
50°-60°	1322.3	18.4
60°-70°	1652.2	22.9
70°-80°	1507.0	20.9
80°-90°	412.4	5.7
90°-100°	138.5	1.9
100°-110°	31.5	0.4
110°-120°	10.0	0.1
120°-130°	9.3	0.1
130°-140°	4.4	0.1
140°-150°	1.8	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7004.8	97.3
0°-180°	7202.0	100.0



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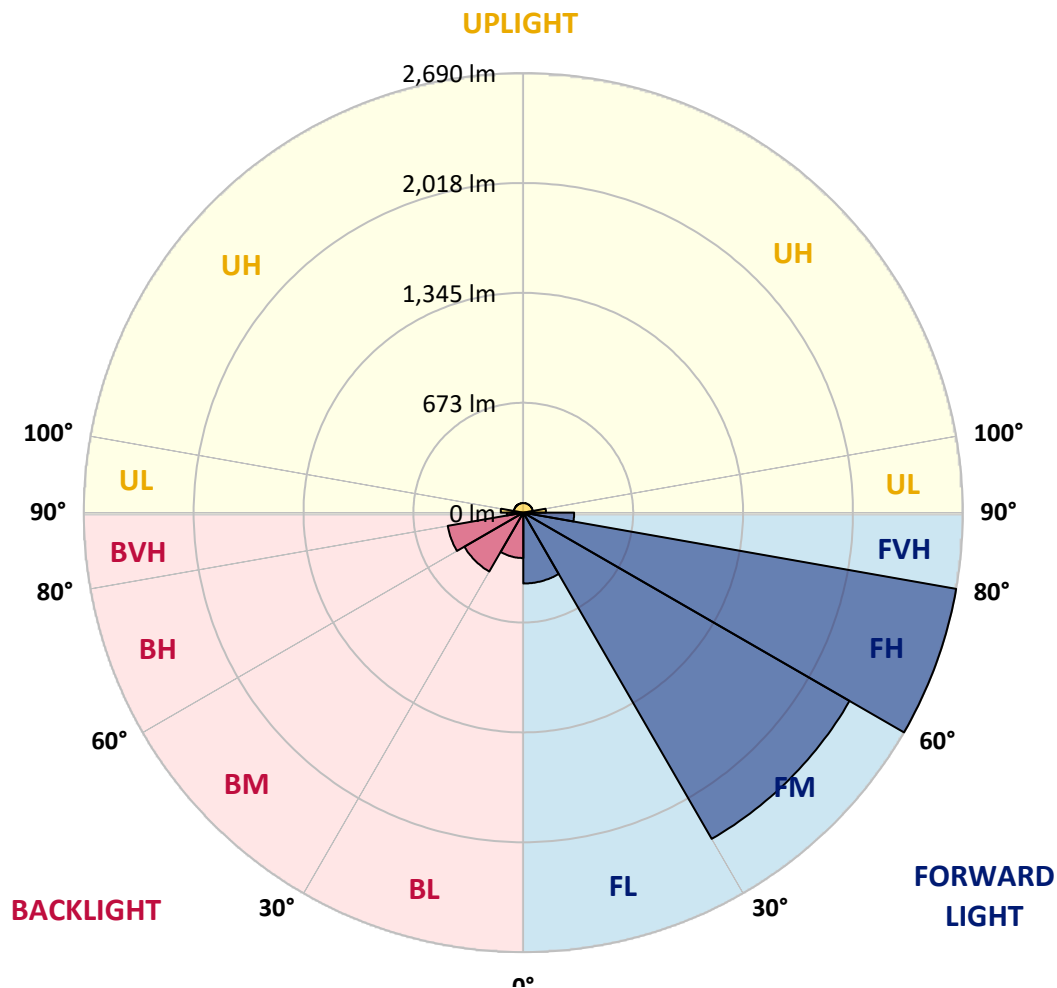
CATALOG NUMBER: SDL-PA1-70-730-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	433.8	6.0			
FM	(30°-60°)	2305.4	32.0			
FH	(60°-80°)	2690.0	37.4			G2/5000
FVH	(80°-90°)	311.2	4.3			G3/500
BL	(0°-30°)	278.0	3.9	B1/500		
BM	(30°-60°)	416.1	5.8	B1/1000		
BH	(60°-80°)	469.1	6.5	B1/500		G1/500
BVH	(80°-90°)	101.2	1.4			G2/225
UL	(90°-100°)	138.5	1.9		U3/500	
UH	(100°-180°)	58.7	0.8		U3/500	

BUG Rating: B1-U3-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0
2.5°	1595.7	1744.6	1730.6	1845.8	1845.8	1871.1	1882.3	1879.5	1890.7	1902.0	1899.1
5°	1469.3	1472.1	1483.4	1508.6	1517.1	1525.5	1553.6	1651.9	1817.7	1857.0	1857.0
7.5°	1213.7	1281.1	1365.4	1379.4	1430.0	1455.3	1486.2	1491.8	1379.4	1581.7	1601.4
10°	1230.5	1233.3	1227.7	1258.6	1222.1	1208.0	1109.7	1115.3	1126.6	1202.4	1354.1
12.5°	963.6	1019.8	1140.6	1196.8	1106.9	1008.6	1003.0	1050.7	1070.4	958.0	1194.0
15°	1101.3	1106.9	1109.7	1112.5	826.0	958.0	837.2	769.8	862.5	1087.2	1236.1
17.5°	862.5	868.1	1000.1	997.3	910.2	736.1	910.2	929.9	893.4	924.3	1033.9
20°	1011.4	1014.2	1005.8	781.0	797.9	901.8	783.8	781.0	826.0	1064.8	1202.4
22.5°	831.6	820.3	817.5	893.4	811.9	868.1	761.3	882.1	958.0	949.6	907.4
25°	1042.3	1039.5	997.3	778.2	831.6	736.1	890.6	747.3	828.8	1149.0	1202.4
27.5°	974.9	935.5	865.3	899.0	775.4	862.5	792.2	904.6	955.2	1179.9	1393.5
30°	1261.4	1233.3	1151.9	907.4	856.9	795.1	848.4	907.4	1087.2	1519.9	1592.9
32.5°	1666.0	1635.1	1342.9	1112.5	899.0	941.1	893.4	1064.8	1199.6	1550.8	1607.0
35°	1789.6	1747.4	1604.2	1348.5	1031.0	1000.1	952.4	1073.2	1216.5	1632.3	1632.3
37.5°	1859.8	1857.0	1789.6	1489.0	1163.1	1146.2	1025.4	1126.6	1283.9	1710.9	1694.1
40°	1871.1	1885.1	1916.0	1612.6	1320.4	1283.9	1120.9	1199.6	1379.4	1806.4	1772.7
42.5°	1963.8	1989.0	2059.3	1775.5	1477.7	1444.0	1233.3	1306.4	1483.4	1946.9	1938.5
45°	2112.7	2137.9	2199.8	1955.3	1615.4	1592.9	1415.9	1460.9	1651.9	2194.1	2115.5
47.5°	2421.7	2427.3	2402.0	2104.2	1764.3	1764.3	1592.9	1635.1	1803.6	2421.7	2345.8
50°	2730.7	2697.0	2584.6	2281.2	1913.2	1955.3	1775.5	1873.9	1975.0	2652.1	2548.1
52.5°	2902.1	2896.5	2744.8	2416.1	2042.4	2123.9	1986.2	2070.5	2132.3	2885.2	2739.2
55°	2907.7	2899.3	2795.3	2480.7	2163.2	2298.1	2196.9	2306.5	2351.5	3067.9	3000.4
57.5°	2815.0	2837.5	2784.1	2517.2	2222.2	2466.6	2452.6	2570.6	2593.1	3284.2	3180.2
60°	2668.9	2666.1	2730.7	2550.9	2312.1	2626.8	2688.6	2809.4	2930.2	3449.9	3340.4
62.5°	2303.7	2329.0	2511.6	2550.9	2410.5	2834.7	2952.7	3079.1	3228.0	3601.6	3483.6
65°	1803.6	1817.7	2104.2	2365.5	2438.6	3112.8	3219.6	3346.0	3503.3	3756.2	3643.8
67.5°	1090.0	1182.8	1430.0	1946.9	2295.3	3447.1	3643.8	3697.2	3787.1	3930.3	3879.8
70°	620.9	649.0	767.0	1224.9	1916.0	3553.9	4424.8	4329.3	4236.6	4270.3	4174.8
72.5°	472.0	488.8	542.2	724.8	1146.2	3138.1	5082.2	5436.2	5037.2	4624.3	4166.3
75°	342.7	359.6	413.0	584.4	752.9	2011.5	5014.8	5984.0	5753.6	4641.1	3767.4
77.5°	213.5	216.3	247.2	497.3	677.1	1008.6	3924.7	5329.4	5430.6	4334.9	3124.0
80°	148.9	151.7	157.3	266.9	623.7	809.1	2635.2	3913.5	4056.8	3017.3	1592.9
82.5°	106.8	112.4	118.0	157.3	404.6	772.6	1640.7	2463.8	2171.7	1092.9	646.2
85°	56.2	61.8	75.9	95.5	162.9	840.0	983.3	1253.0	991.7	443.9	384.9
87.5°	22.5	19.7	16.9	25.3	45.0	323.1	382.1	421.4	325.9	250.0	306.2
90°	19.7	16.9	11.2	14.0	19.7	115.2	241.6	269.7	224.8	244.4	309.0
92.5°	19.7	16.9	11.2	11.2	19.7	115.2	289.4	295.0	233.2	250.0	323.1
95°	19.7	19.7	11.2	11.2	19.7	103.9	342.7	337.1	241.6	264.1	342.7
97.5°	19.7	19.7	8.4	11.2	19.7	70.2	354.0	365.2	236.0	188.2	283.7
100°	19.7	19.7	8.4	8.4	16.9	45.0	247.2	266.9	174.2	61.8	70.2
102.5°	19.7	19.7	8.4	8.4	11.2	30.9	109.6	132.0	103.9	19.7	22.5
105°	19.7	22.5	5.6	5.6	8.4	16.9	47.8	53.4	42.1	14.0	25.3
107.5°	22.5	25.3	5.6	5.6	5.6	8.4	16.9	19.7	11.2	11.2	25.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	19.7	16.9	2.8	5.6	5.6	5.6	5.6	5.6	5.6	11.2	28.1
115°	11.2	8.4	2.8	5.6	5.6	5.6	2.8	5.6	8.4	11.2	25.3
117.5°	11.2	8.4	2.8	2.8	2.8	5.6	2.8	2.8	8.4	14.0	30.9
120°	8.4	8.4	2.8	2.8	2.8	2.8	2.8	5.6	5.6	19.7	42.1
122.5°	8.4	8.4	2.8	2.8	2.8	2.8	2.8	5.6	5.6	19.7	42.1
125°	11.2	11.2	5.6	2.8	2.8	2.8	2.8	5.6	5.6	16.9	39.3
127.5°	8.4	8.4	5.6	2.8	2.8	2.8	2.8	5.6	5.6	14.0	30.9
130°	8.4	8.4	5.6	2.8	2.8	2.8	2.8	5.6	2.8	14.0	25.3
132.5°	8.4	8.4	5.6	2.8	2.8	2.8	2.8	2.8	2.8	8.4	19.7
135°	8.4	8.4	5.6	2.8	2.8	2.8	2.8	2.8	2.8	5.6	14.0
137.5°	5.6	5.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6
140°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	5.6	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.6	5.6	5.6	2.8	2.8	2.8	2.8	2.8
150°	5.6	5.6	11.2	8.4	5.6	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	11.2	11.2	11.2	8.4	2.8	2.8	5.6	8.4	2.8	2.8	2.8
155°	8.4	8.4	8.4	2.8	2.8	2.8	2.8	2.8	5.6	8.4	8.4
157.5°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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°	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0	1902.0
2.5°	1890.7	1896.3	1890.7	1885.1	1879.5	1862.6	1747.4	1607.0	1595.7	1607.0	1601.4
5°	1843.0	1843.0	1840.2	1646.3	1531.1	1497.4	1489.0	1480.5	1463.7	1455.3	1460.9
7.5°	1590.1	1581.7	1483.4	1309.2	1418.7	1379.4	1356.9	1345.7	1177.1	1115.3	1120.9
10°	1328.8	1328.8	1104.1	1042.3	1036.7	1053.5	1168.7	1160.3	1137.8	1123.8	1137.8
12.5°	1146.2	1194.0	876.5	938.3	761.3	842.8	921.5	977.7	806.3	758.5	767.0
15°	1216.5	1199.6	963.6	736.1	671.4	708.0	567.5	710.8	699.5	677.1	674.3
17.5°	1062.0	974.9	803.5	691.1	663.0	500.1	486.0	502.9	460.7	421.4	441.1
20°	1154.7	1106.9	851.2	615.3	511.3	455.1	342.7	320.3	407.4	427.0	424.2
22.5°	963.6	803.5	696.7	612.4	413.0	325.9	258.5	283.7	303.4	323.1	331.5
25°	1132.2	1045.1	761.3	457.9	334.3	238.8	233.2	210.7	317.5	362.4	359.6
27.5°	1306.4	1182.8	733.3	429.8	241.6	205.1	188.2	213.5	221.9	250.0	266.9
30°	1460.9	1312.0	848.4	398.9	202.3	154.5	168.6	174.2	216.3	233.2	233.2
32.5°	1455.3	1275.5	758.5	339.9	165.8	140.5	140.5	165.8	191.0	230.4	233.2
35°	1452.5	1247.4	677.1	264.1	146.1	123.6	129.2	157.3	191.0	213.5	216.3
37.5°	1486.2	1238.9	595.6	213.5	132.0	118.0	123.6	148.9	205.1	227.6	227.6
40°	1536.7	1244.6	514.1	182.6	126.4	115.2	118.0	157.3	185.4	205.1	205.1
42.5°	1691.3	1326.0	443.9	168.6	126.4	112.4	112.4	146.1	188.2	221.9	224.8
45°	1806.4	1390.6	390.5	168.6	123.6	106.8	118.0	146.1	165.8	244.4	261.3
47.5°	1991.9	1508.6	339.9	168.6	123.6	103.9	109.6	143.3	174.2	280.9	292.2
50°	2177.3	1626.6	317.5	168.6	123.6	101.1	123.6	137.7	174.2	292.2	300.6
52.5°	2373.9	1772.7	303.4	168.6	123.6	106.8	134.9	165.8	188.2	261.3	258.5
55°	2576.2	1902.0	295.0	174.2	123.6	106.8	146.1	154.5	160.1	202.3	207.9
57.5°	2764.4	2059.3	311.8	174.2	120.8	112.4	137.7	151.7	140.5	177.0	179.8
60°	2913.3	2202.6	354.0	168.6	118.0	112.4	140.5	165.8	157.3	193.8	199.5
62.5°	3084.7	2354.3	452.3	171.4	118.0	115.2	157.3	179.8	160.1	191.0	202.3
65°	3309.5	2584.6	561.9	188.2	120.8	120.8	160.1	193.8	160.1	188.2	188.2
67.5°	3562.3	2798.2	561.9	219.1	129.2	129.2	160.1	205.1	171.4	188.2	188.2
70°	3747.7	2809.4	463.5	241.6	140.5	137.7	165.8	213.5	174.2	207.9	205.1
72.5°	3542.6	2503.2	384.9	238.8	151.7	143.3	188.2	219.1	177.0	236.0	233.2
75°	3110.0	2064.9	334.3	213.5	137.7	146.1	196.7	224.8	179.8	247.2	241.6
77.5°	2452.6	1505.8	283.7	179.8	120.8	140.5	202.3	230.4	185.4	261.3	258.5
80°	1188.4	755.7	230.4	151.7	109.6	134.9	202.3	227.6	182.6	269.7	269.7
82.5°	536.6	376.5	157.3	103.9	109.6	137.7	207.9	230.4	182.6	264.1	261.3
85°	348.4	258.5	101.1	81.5	109.6	157.3	210.7	219.1	174.2	244.4	244.4
87.5°	261.3	179.8	53.4	50.6	120.8	171.4	210.7	202.3	168.6	230.4	224.8
90°	266.9	191.0	56.2	50.6	129.2	174.2	210.7	199.5	162.9	207.9	207.9
92.5°	289.4	210.7	64.6	56.2	132.0	157.3	199.5	179.8	151.7	179.8	177.0
95°	314.7	236.0	75.9	64.6	115.2	115.2	157.3	146.1	129.2	137.7	137.7
97.5°	230.4	168.6	67.4	70.2	87.1	73.0	103.9	98.3	67.4	61.8	59.0
100°	67.4	56.2	61.8	67.4	61.8	53.4	78.7	75.9	45.0	22.5	22.5
102.5°	25.3	28.1	56.2	61.8	47.8	39.3	56.2	61.8	36.5	5.6	8.4
105°	22.5	19.7	39.3	47.8	28.1	22.5	28.1	39.3	22.5	5.6	5.6
107.5°	25.3	19.7	19.7	25.3	11.2	11.2	11.2	14.0	8.4	5.6	5.6



REPORT NUMBER: P560882

CATALOG NUMBER: SDL-PA1-70-730-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.3	19.7	11.2	11.2	8.4	8.4	5.6	5.6	8.4	14.0	14.0
115°	28.1	22.5	11.2	8.4	5.6	8.4	5.6	2.8	8.4	19.7	19.7
117.5°	33.7	25.3	8.4	8.4	5.6	5.6	5.6	2.8	8.4	25.3	28.1
120°	42.1	30.9	11.2	5.6	5.6	5.6	5.6	2.8	11.2	28.1	30.9
122.5°	42.1	33.7	11.2	5.6	5.6	2.8	2.8	5.6	11.2	28.1	30.9
125°	39.3	30.9	11.2	5.6	5.6	2.8	2.8	2.8	14.0	28.1	30.9
127.5°	30.9	28.1	11.2	5.6	2.8	2.8	2.8	5.6	11.2	25.3	25.3
130°	25.3	22.5	8.4	5.6	2.8	2.8	2.8	2.8	11.2	19.7	22.5
132.5°	19.7	16.9	8.4	5.6	2.8	2.8	2.8	2.8	11.2	19.7	19.7
135°	14.0	14.0	5.6	2.8	2.8	2.8	2.8	2.8	8.4	14.0	16.9
137.5°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	2.8	5.6	8.4	8.4
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	5.6	5.6
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.6
145°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	5.6	5.6
155°	8.4	8.4	8.4	5.6	2.8	0.0	0.0	0.0	2.8	2.8	5.6
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
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°	25.3	25.3	5.6	5.6	5.6	8.4	5.6	5.6	8.4	11.2	28.1
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110°	25.3	19.7	11.2	11.2	8.4	8.4	8.4	5.6	5.6	5.6	5.6
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(END OF REPORT)