

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: P560794

Luminaire Tested: **SDL-PA1-60-827-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560794
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-PA1-60-827-U-SL3-A
Description: Springdale
(1) 80 CRI, 2700K, 800mA 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: 5126.9 lumens
Efficiency: N/A
Efficacy: 82.2 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: B1 - U3 - G2

Input Watts (W): 62.4
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

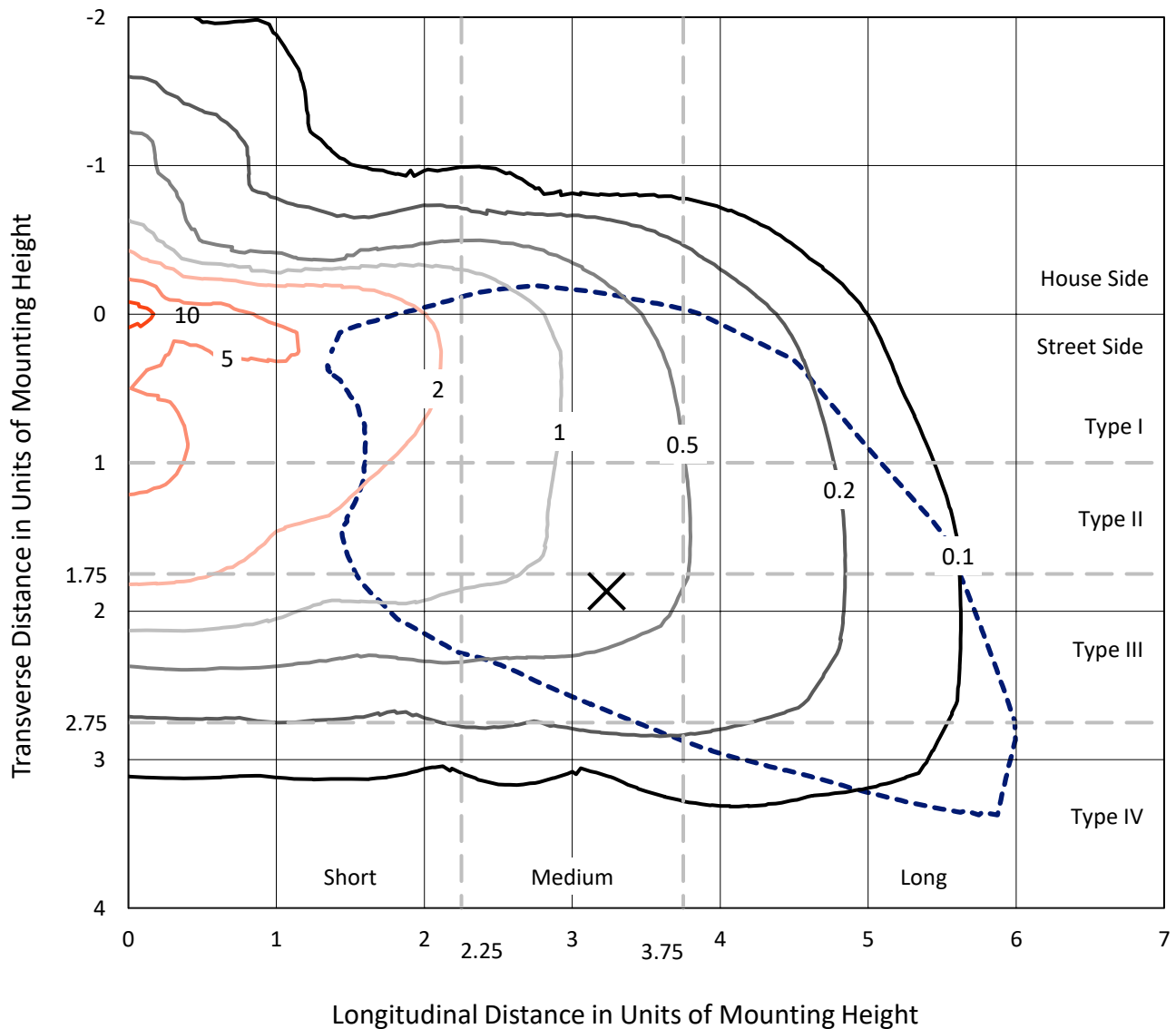


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

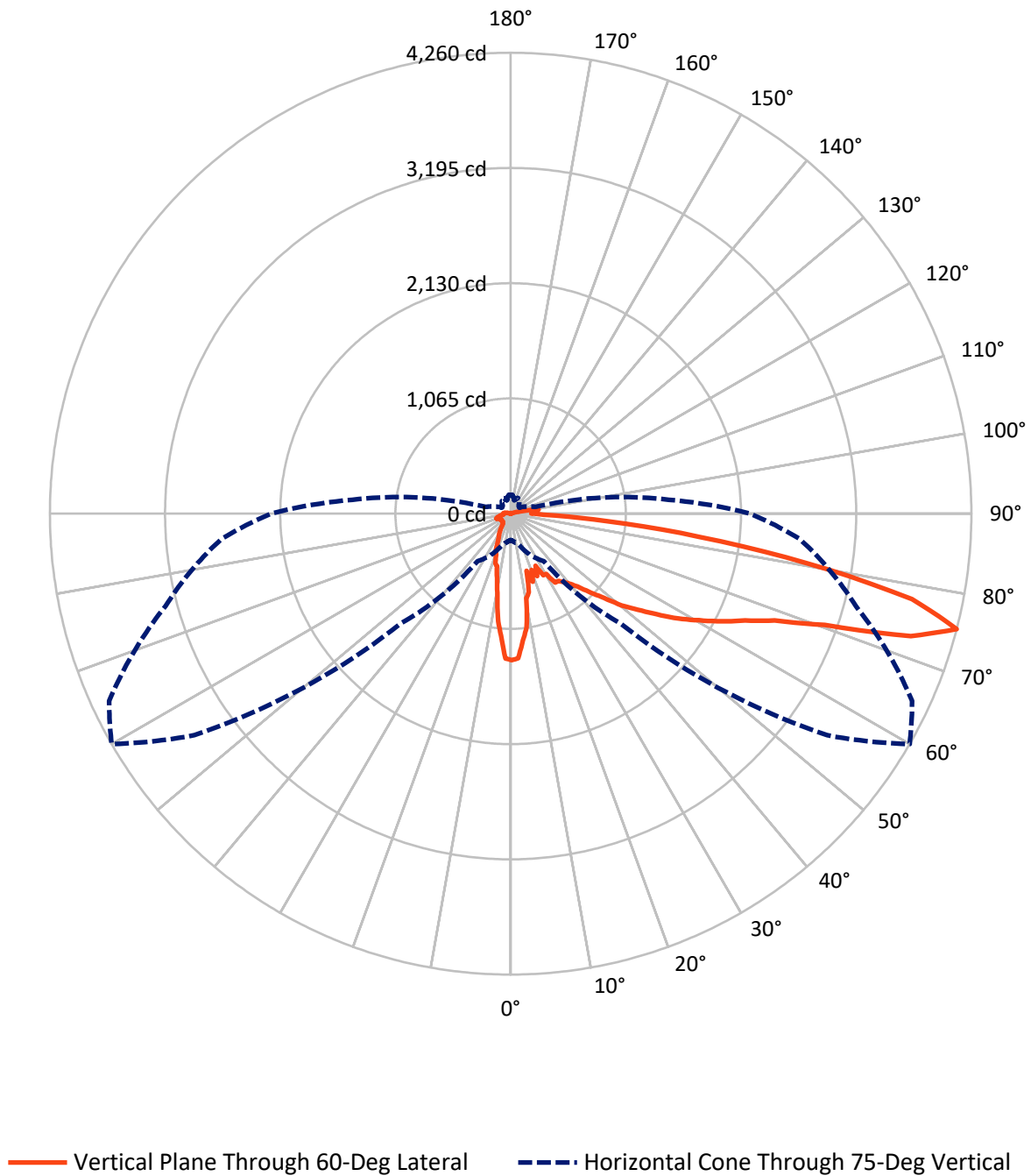


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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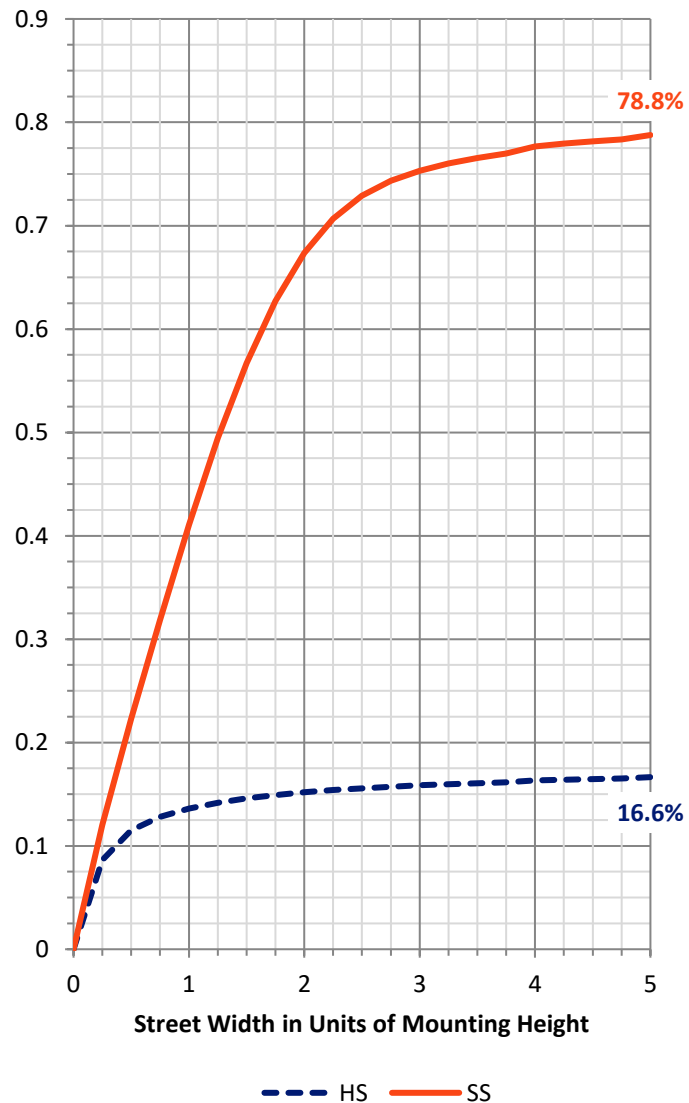
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	900.1	68.2	968.3
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	4086.4	72.2	4158.6
	% Fixture	79.7	1.4	81.1
Total	Lumens	4986.5	140.4	5126.9
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	1.9
10°-20°	177.3	3.5
20°-30°	229.8	4.5
30°-40°	382.9	7.5
40°-50°	613.1	12.0
50°-60°	941.3	18.4
60°-70°	1176.2	22.9
70°-80°	1072.8	20.9
80°-90°	293.6	5.7
90°-100°	98.6	1.9
100°-110°	22.4	0.4
110°-120°	7.1	0.1
120°-130°	6.6	0.1
130°-140°	3.1	0.1
140°-150°	1.3	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4986.5	97.3
0°-180°	5126.9	100.0

Coefficient of Utilization



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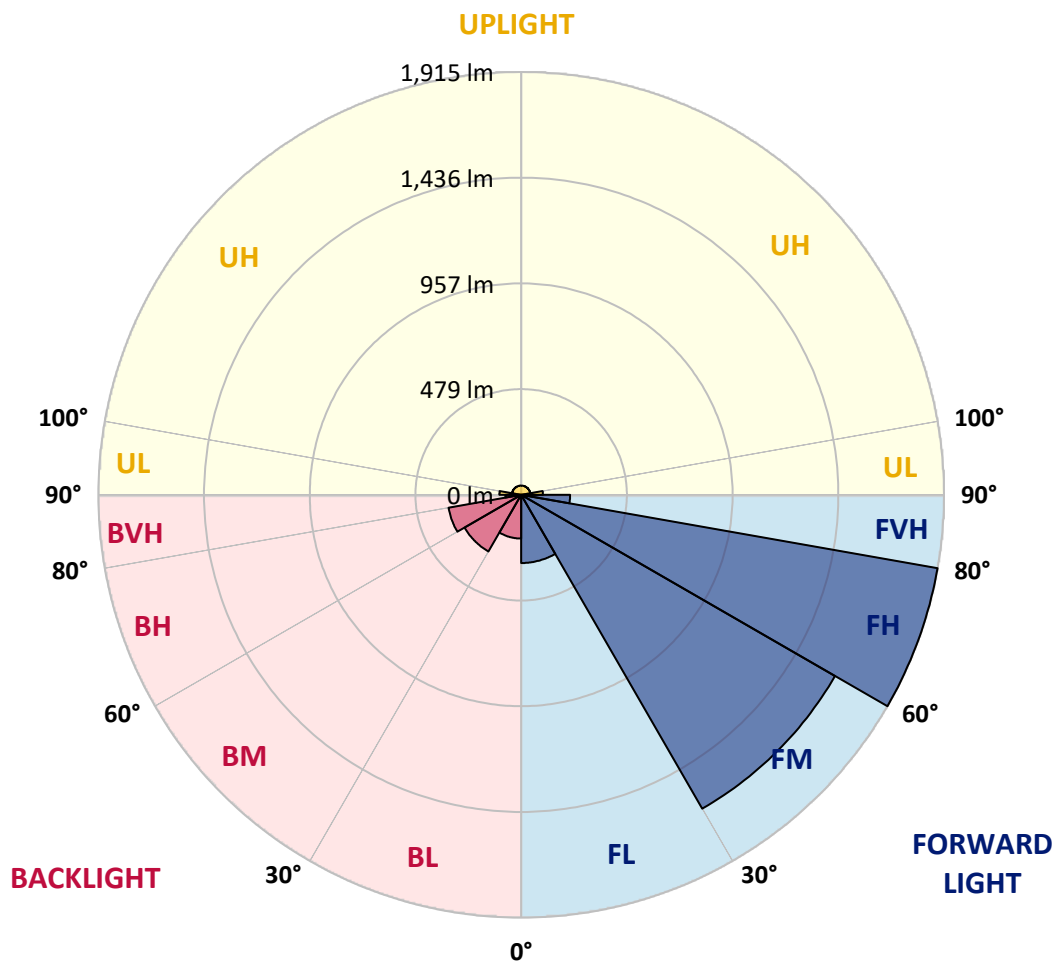
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.8	6.0			
FM	(30°-60°)	1641.1	32.0			
FH	(60°-80°)	1915.0	37.4			G2/5000
FVH	(80°-90°)	221.5	4.3			G2/225
BL	(0°-30°)	197.9	3.9	B1/500		
BM	(30°-60°)	296.2	5.8	B1/1000		
BH	(60°-80°)	334.0	6.5	B1/500		G1/500
BVH	(80°-90°)	72.0	1.4			G1/100
UL	(90°-100°)	98.6	1.9		U3/500	
UH	(100°-180°)	41.8	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9
2.5°	1135.9	1241.9	1231.9	1313.9	1313.9	1331.9	1339.9	1337.9	1345.9	1353.9	1351.9
5°	1046.0	1048.0	1055.9	1073.9	1079.9	1085.9	1105.9	1175.9	1293.9	1321.9	1321.9
7.5°	864.0	912.0	972.0	982.0	1018.0	1036.0	1057.9	1061.9	982.0	1125.9	1139.9
10°	876.0	878.0	874.0	896.0	870.0	860.0	790.0	794.0	802.0	856.0	964.0
12.5°	686.0	726.0	812.0	852.0	788.0	718.0	714.0	748.0	762.0	682.0	850.0
15°	784.0	788.0	790.0	792.0	588.0	682.0	596.0	548.0	614.0	774.0	880.0
17.5°	614.0	618.0	712.0	710.0	648.0	524.0	648.0	662.0	636.0	658.0	736.0
20°	720.0	722.0	716.0	556.0	568.0	642.0	558.0	556.0	588.0	758.0	856.0
22.5°	592.0	584.0	582.0	636.0	578.0	618.0	542.0	628.0	682.0	676.0	646.0
25°	742.0	740.0	710.0	554.0	592.0	524.0	634.0	532.0	590.0	818.0	856.0
27.5°	694.0	666.0	616.0	640.0	552.0	614.0	564.0	644.0	680.0	840.0	992.0
30°	898.0	878.0	820.0	646.0	610.0	566.0	604.0	646.0	774.0	1081.9	1133.9
32.5°	1185.9	1163.9	956.0	792.0	640.0	670.0	636.0	758.0	854.0	1103.9	1143.9
35°	1273.9	1243.9	1141.9	960.0	734.0	712.0	678.0	764.0	866.0	1161.9	1161.9
37.5°	1323.9	1321.9	1273.9	1059.9	828.0	816.0	730.0	802.0	914.0	1217.9	1205.9
40°	1331.9	1341.9	1363.9	1147.9	940.0	914.0	798.0	854.0	982.0	1285.9	1261.9
42.5°	1397.9	1415.9	1465.9	1263.9	1051.9	1028.0	878.0	930.0	1055.9	1385.9	1379.9
45°	1503.9	1521.9	1565.9	1391.9	1149.9	1133.9	1008.0	1040.0	1175.9	1561.9	1505.9
47.5°	1723.9	1727.9	1709.9	1497.9	1255.9	1255.9	1133.9	1163.9	1283.9	1723.9	1669.9
50°	1943.9	1919.9	1839.9	1623.9	1361.9	1391.9	1263.9	1333.9	1405.9	1887.9	1813.9
52.5°	2065.9	2061.9	1953.9	1719.9	1453.9	1511.9	1413.9	1473.9	1517.9	2053.9	1949.9
55°	2069.9	2063.9	1989.9	1765.9	1539.9	1635.9	1563.9	1641.9	1673.9	2183.9	2135.9
57.5°	2003.9	2019.9	1981.9	1791.9	1581.9	1755.9	1745.9	1829.9	1845.9	2337.9	2263.9
60°	1899.9	1897.9	1943.9	1815.9	1645.9	1869.9	1913.9	1999.9	2085.9	2455.9	2377.9
62.5°	1639.9	1657.9	1787.9	1815.9	1715.9	2017.9	2101.9	2191.9	2297.9	2563.9	2479.9
65°	1283.9	1293.9	1497.9	1683.9	1735.9	2215.9	2291.9	2381.9	2493.9	2673.9	2593.9
67.5°	776.0	842.0	1018.0	1385.9	1633.9	2453.9	2593.9	2631.9	2695.9	2797.9	2761.9
70°	442.0	462.0	546.0	872.0	1363.9	2529.9	3149.9	3081.9	3015.9	3039.9	2971.9
72.5°	336.0	348.0	386.0	516.0	816.0	2233.9	3617.8	3869.8	3585.8	3291.8	2965.9
75°	244.0	256.0	294.0	416.0	536.0	1431.9	3569.8	4259.8	4095.8	3303.8	2681.9
77.5°	152.0	154.0	176.0	354.0	482.0	718.0	2793.9	3793.8	3865.8	3085.9	2223.9
80°	106.0	108.0	112.0	190.0	444.0	576.0	1875.9	2785.9	2887.9	2147.9	1133.9
82.5°	76.0	80.0	84.0	112.0	288.0	550.0	1167.9	1753.9	1545.9	778.0	460.0
85°	40.0	44.0	54.0	68.0	116.0	598.0	700.0	892.0	706.0	316.0	274.0
87.5°	16.0	14.0	12.0	18.0	32.0	230.0	272.0	300.0	232.0	178.0	218.0
90°	14.0	12.0	8.0	10.0	14.0	82.0	172.0	192.0	160.0	174.0	220.0
92.5°	14.0	12.0	8.0	8.0	14.0	82.0	206.0	210.0	166.0	178.0	230.0
95°	14.0	14.0	8.0	8.0	14.0	74.0	244.0	240.0	172.0	188.0	244.0
97.5°	14.0	14.0	6.0	8.0	14.0	50.0	252.0	260.0	168.0	134.0	202.0
100°	14.0	14.0	6.0	6.0	12.0	32.0	176.0	190.0	124.0	44.0	50.0
102.5°	14.0	14.0	6.0	6.0	8.0	22.0	78.0	94.0	74.0	14.0	16.0
105°	14.0	16.0	4.0	4.0	6.0	12.0	34.0	38.0	30.0	10.0	18.0
107.5°	16.0	18.0	4.0	4.0	4.0	6.0	12.0	14.0	8.0	8.0	18.0
110°	18.0	18.0	4.0	4.0	4.0	6.0	4.0	4.0	6.0	8.0	20.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	14.0	12.0	2.0	4.0	4.0	4.0	4.0	4.0	4.0	8.0	20.0
115°	8.0	6.0	2.0	4.0	4.0	4.0	2.0	4.0	6.0	8.0	18.0
117.5°	8.0	6.0	2.0	2.0	2.0	4.0	2.0	2.0	6.0	10.0	22.0
120°	6.0	6.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	14.0	30.0
122.5°	6.0	6.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	14.0	30.0
125°	8.0	8.0	4.0	2.0	2.0	2.0	2.0	4.0	4.0	12.0	28.0
127.5°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	4.0	4.0	10.0	22.0
130°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	4.0	2.0	10.0	18.0
132.5°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0	14.0
135°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	10.0
137.5°	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
140°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
150°	4.0	4.0	8.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	8.0	8.0	8.0	6.0	2.0	2.0	4.0	6.0	2.0	2.0	2.0
155°	6.0	6.0	6.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0
157.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9
2.5°	1345.9	1349.9	1345.9	1341.9	1337.9	1325.9	1243.9	1143.9	1135.9	1143.9	1139.9
5°	1311.9	1311.9	1309.9	1171.9	1089.9	1065.9	1059.9	1053.9	1042.0	1036.0	1040.0
7.5°	1131.9	1125.9	1055.9	932.0	1010.0	982.0	966.0	958.0	838.0	794.0	798.0
10°	946.0	946.0	786.0	742.0	738.0	750.0	832.0	826.0	810.0	800.0	810.0
12.5°	816.0	850.0	624.0	668.0	542.0	600.0	656.0	696.0	574.0	540.0	546.0
15°	866.0	854.0	686.0	524.0	478.0	504.0	404.0	506.0	498.0	482.0	480.0
17.5°	756.0	694.0	572.0	492.0	472.0	356.0	346.0	358.0	328.0	300.0	314.0
20°	822.0	788.0	606.0	438.0	364.0	324.0	244.0	228.0	290.0	304.0	302.0
22.5°	686.0	572.0	496.0	436.0	294.0	232.0	184.0	202.0	216.0	230.0	236.0
25°	806.0	744.0	542.0	326.0	238.0	170.0	166.0	150.0	226.0	258.0	256.0
27.5°	930.0	842.0	522.0	306.0	172.0	146.0	134.0	152.0	158.0	178.0	190.0
30°	1040.0	934.0	604.0	284.0	144.0	110.0	120.0	124.0	154.0	166.0	166.0
32.5°	1036.0	908.0	540.0	242.0	118.0	100.0	100.0	118.0	136.0	164.0	166.0
35°	1034.0	888.0	482.0	188.0	104.0	88.0	92.0	112.0	136.0	152.0	154.0
37.5°	1057.9	882.0	424.0	152.0	94.0	84.0	88.0	106.0	146.0	162.0	162.0
40°	1093.9	886.0	366.0	130.0	90.0	82.0	84.0	112.0	132.0	146.0	146.0
42.5°	1203.9	944.0	316.0	120.0	90.0	80.0	80.0	104.0	134.0	158.0	160.0
45°	1285.9	990.0	278.0	120.0	88.0	76.0	84.0	104.0	118.0	174.0	186.0
47.5°	1417.9	1073.9	242.0	120.0	88.0	74.0	78.0	102.0	124.0	200.0	208.0
50°	1549.9	1157.9	226.0	120.0	88.0	72.0	88.0	98.0	124.0	208.0	214.0
52.5°	1689.9	1261.9	216.0	120.0	88.0	76.0	96.0	118.0	134.0	186.0	184.0
55°	1833.9	1353.9	210.0	124.0	88.0	76.0	104.0	110.0	114.0	144.0	148.0
57.5°	1967.9	1465.9	222.0	124.0	86.0	80.0	98.0	108.0	100.0	126.0	128.0
60°	2073.9	1567.9	252.0	120.0	84.0	80.0	100.0	118.0	112.0	138.0	142.0
62.5°	2195.9	1675.9	322.0	122.0	84.0	82.0	112.0	128.0	114.0	136.0	144.0
65°	2355.9	1839.9	400.0	134.0	86.0	86.0	114.0	138.0	114.0	134.0	134.0
67.5°	2535.9	1991.9	400.0	156.0	92.0	92.0	114.0	146.0	122.0	134.0	134.0
70°	2667.9	1999.9	330.0	172.0	100.0	98.0	118.0	152.0	124.0	148.0	146.0
72.5°	2521.9	1781.9	274.0	170.0	108.0	102.0	134.0	156.0	126.0	168.0	166.0
75°	2213.9	1469.9	238.0	152.0	98.0	104.0	140.0	160.0	128.0	176.0	172.0
77.5°	1745.9	1071.9	202.0	128.0	86.0	100.0	144.0	164.0	132.0	186.0	184.0
80°	846.0	538.0	164.0	108.0	78.0	96.0	144.0	162.0	130.0	192.0	192.0
82.5°	382.0	268.0	112.0	74.0	78.0	98.0	148.0	164.0	130.0	188.0	186.0
85°	248.0	184.0	72.0	58.0	78.0	112.0	150.0	156.0	124.0	174.0	174.0
87.5°	186.0	128.0	38.0	36.0	86.0	122.0	150.0	144.0	120.0	164.0	160.0
90°	190.0	136.0	40.0	36.0	92.0	124.0	150.0	142.0	116.0	148.0	148.0
92.5°	206.0	150.0	46.0	40.0	94.0	112.0	142.0	128.0	108.0	128.0	126.0
95°	224.0	168.0	54.0	46.0	82.0	82.0	112.0	104.0	92.0	98.0	98.0
97.5°	164.0	120.0	48.0	50.0	62.0	52.0	74.0	70.0	48.0	44.0	42.0
100°	48.0	40.0	44.0	48.0	44.0	38.0	56.0	54.0	32.0	16.0	16.0
102.5°	18.0	20.0	40.0	44.0	34.0	28.0	40.0	44.0	26.0	4.0	6.0
105°	16.0	14.0	28.0	34.0	20.0	16.0	20.0	28.0	16.0	4.0	4.0
107.5°	18.0	14.0	14.0	18.0	8.0	8.0	8.0	10.0	6.0	4.0	4.0
110°	18.0	14.0	8.0	8.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0



REPORT NUMBER: P560794

CATALOG NUMBER: SDL-PA1-60-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.0	14.0	8.0	8.0	6.0	6.0	4.0	4.0	6.0	10.0	10.0
115°	20.0	16.0	8.0	6.0	4.0	6.0	4.0	2.0	6.0	14.0	14.0
117.5°	24.0	18.0	6.0	6.0	4.0	4.0	4.0	2.0	6.0	18.0	20.0
120°	30.0	22.0	8.0	4.0	4.0	4.0	4.0	2.0	8.0	20.0	22.0
122.5°	30.0	24.0	8.0	4.0	4.0	2.0	2.0	4.0	8.0	20.0	22.0
125°	28.0	22.0	8.0	4.0	4.0	2.0	2.0	2.0	10.0	20.0	22.0
127.5°	22.0	20.0	8.0	4.0	2.0	2.0	2.0	4.0	8.0	18.0	18.0
130°	18.0	16.0	6.0	4.0	2.0	2.0	2.0	2.0	8.0	14.0	16.0
132.5°	14.0	12.0	6.0	4.0	2.0	2.0	2.0	2.0	8.0	14.0	14.0
135°	10.0	10.0	4.0	2.0	2.0	2.0	2.0	2.0	6.0	10.0	12.0
137.5°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	4.0	4.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	4.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	4.0	4.0
155°	6.0	6.0	6.0	4.0	2.0	0.0	0.0	0.0	2.0	2.0	4.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
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

(END OF REPORT)