

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: P560516

Luminaire Tested: **SDL-PA1-50-727-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-727-U-T2U-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5113.9 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B2 - U3 - G2

Input Watts (W): 52.4
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

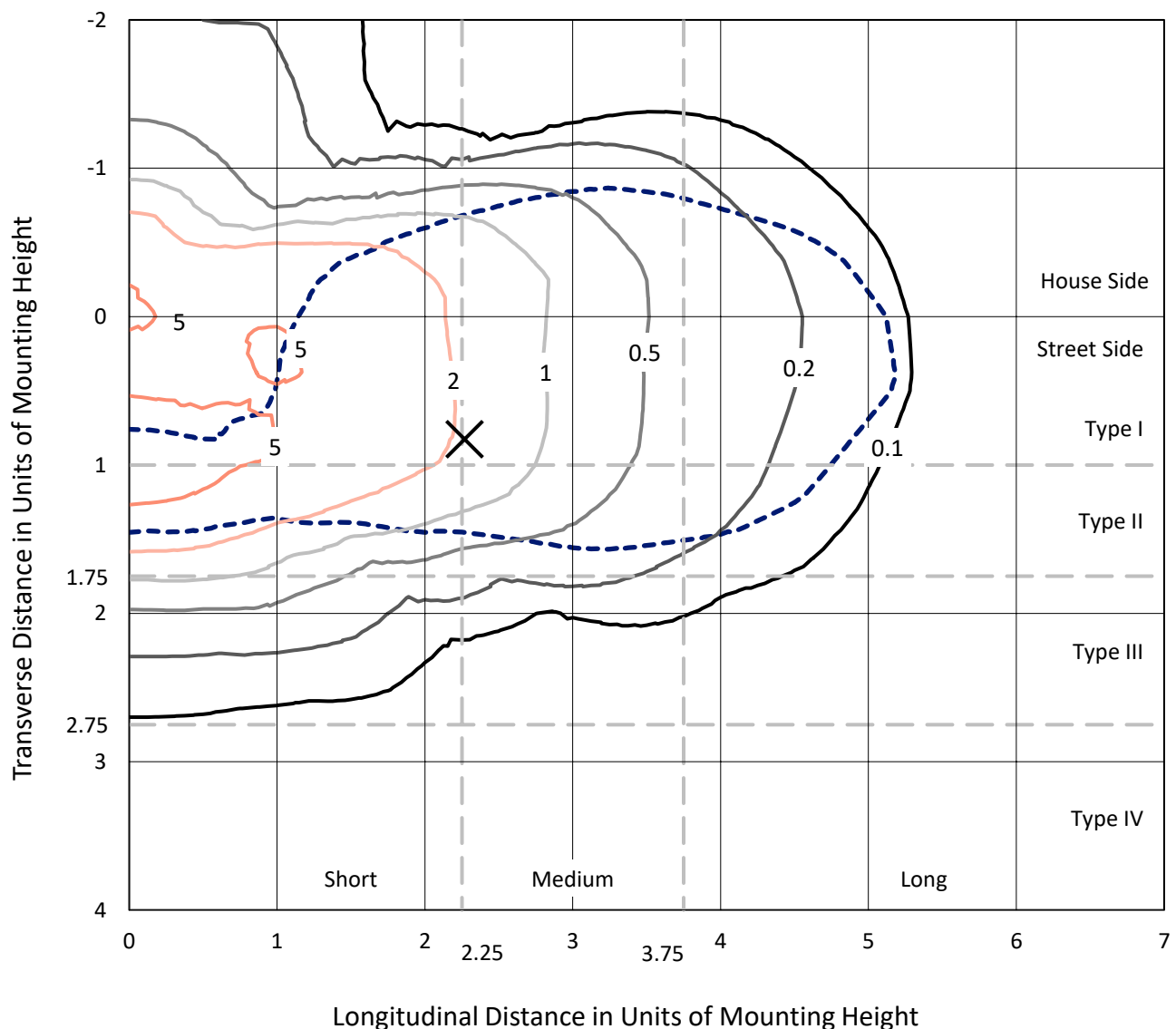


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

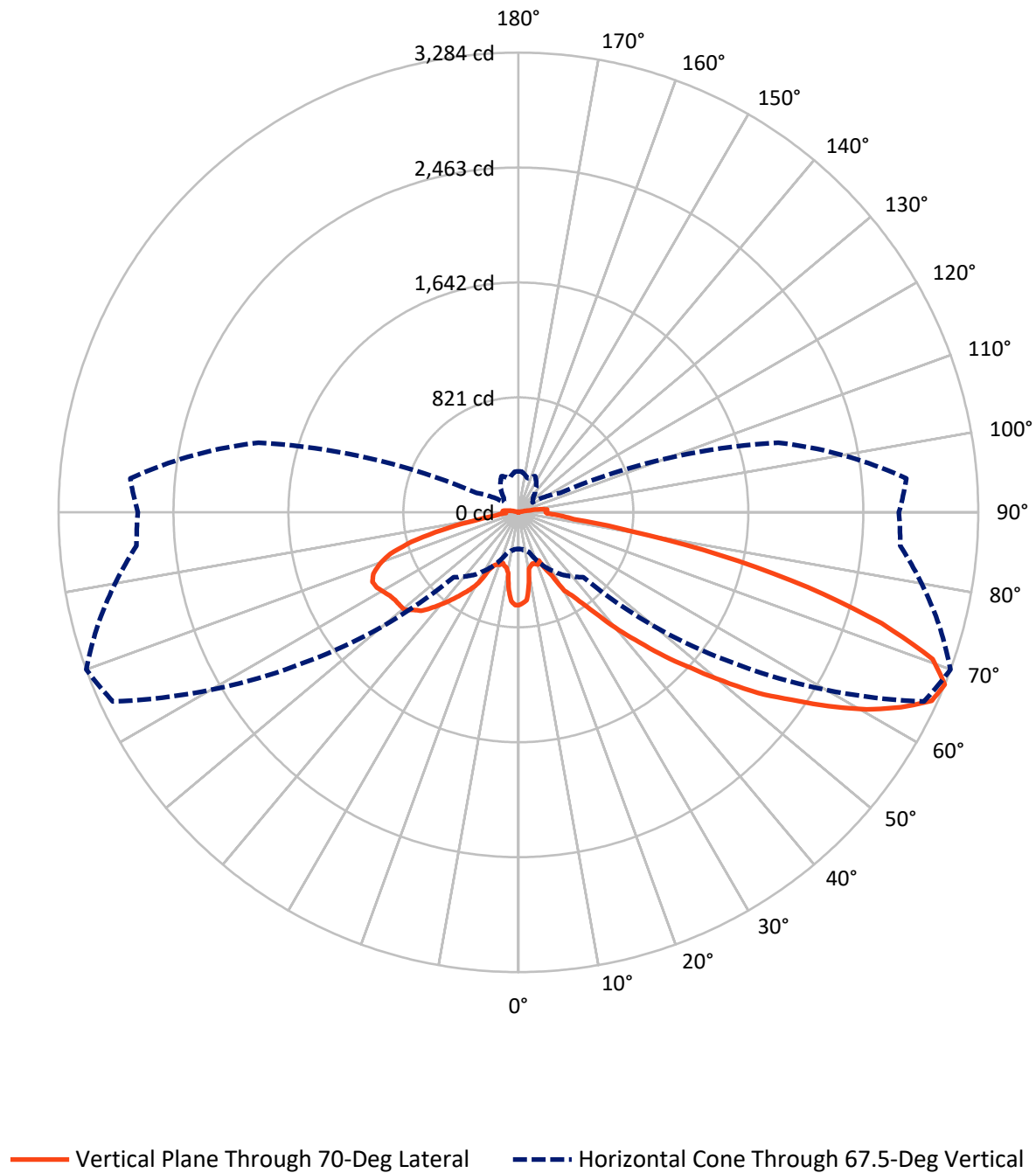


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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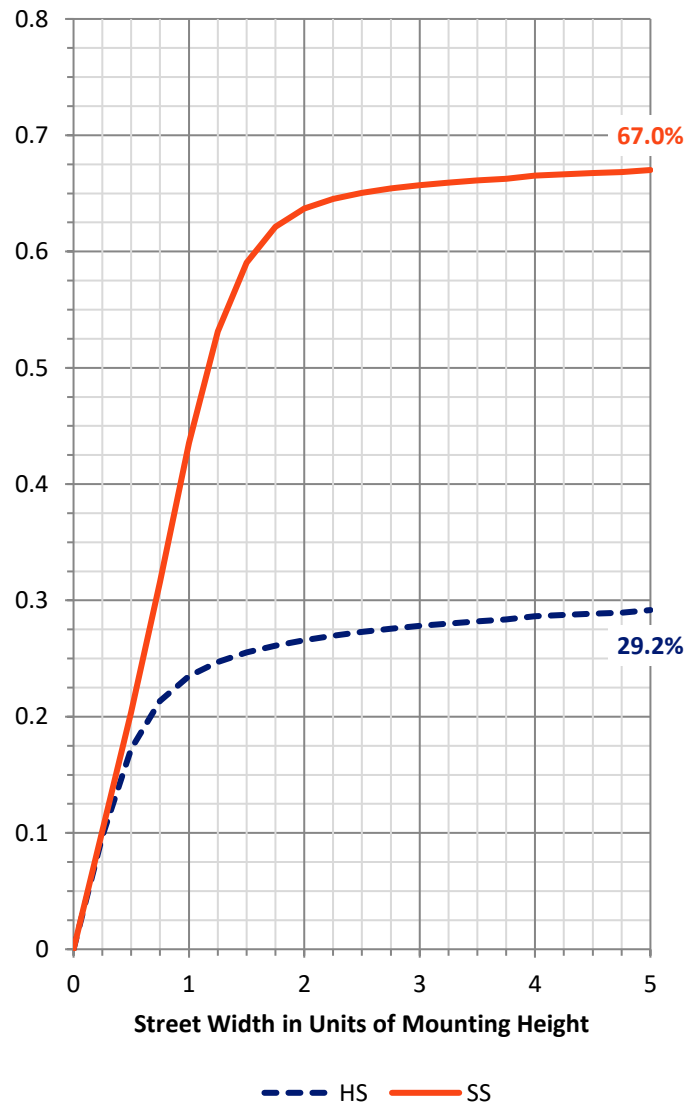
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1538.1	60.4	1598.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	3457.0	58.4	3515.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	4995.1	118.8	5113.9
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	1.0
10°-20°	122.7	2.4
20°-30°	217.6	4.3
30°-40°	458.6	9.0
40°-50°	857.4	16.8
50°-60°	1187.4	23.2
60°-70°	1145.0	22.4
70°-80°	752.8	14.7
80°-90°	200.6	3.9
90°-100°	82.3	1.6
100°-110°	18.0	0.4
110°-120°	7.8	0.2
120°-130°	5.6	0.1
130°-140°	2.6	0.0
140°-150°	1.4	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4995.1	97.7
0°-180°	5113.9	100.0

Coefficient of Utilization



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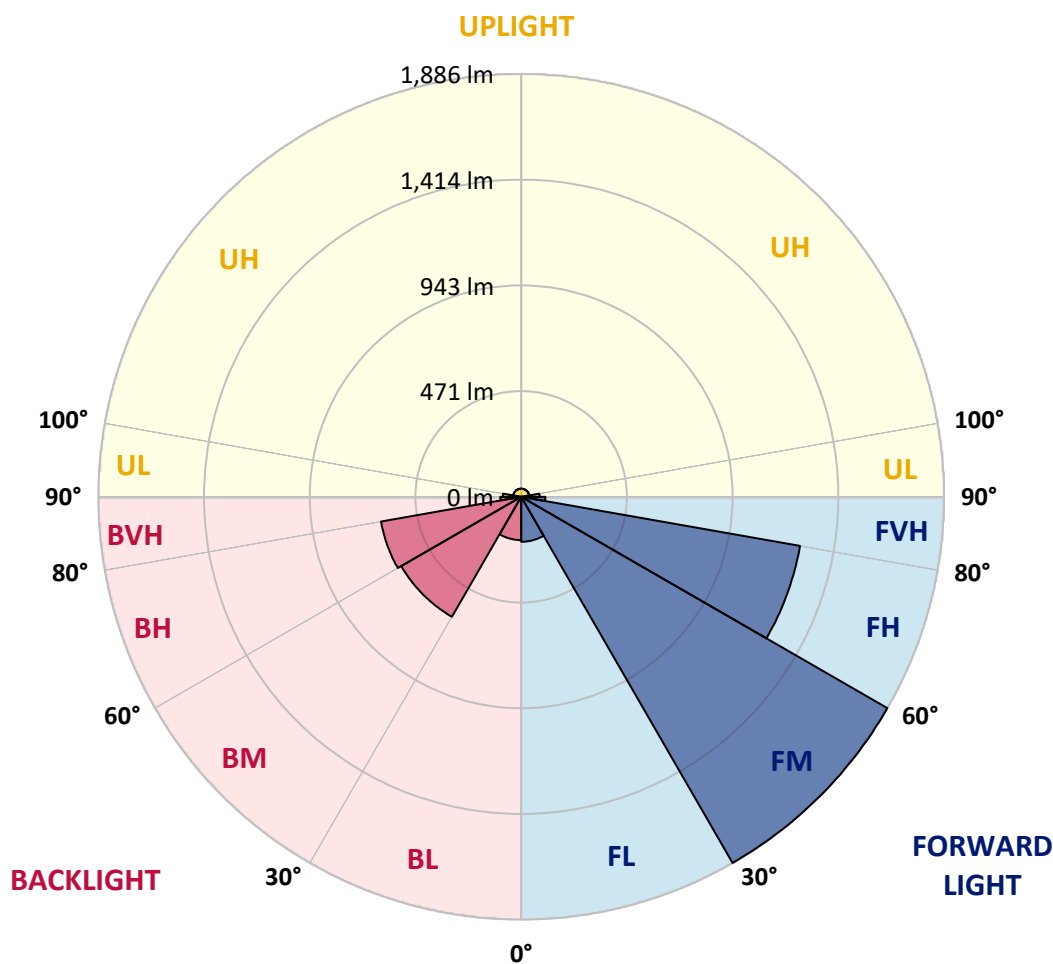
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.4	3.9			
FM	(30°-60°)	1885.9	36.9			
FH	(60°-80°)	1262.8	24.7			G1/1800
FVH	(80°-90°)	107.9	2.1			G2/225
BL	(0°-30°)	193.0	3.8	B1/500		
BM	(30°-60°)	617.5	12.1	B1/1000		
BH	(60°-80°)	634.9	12.4	B2/1000		G2/1000
BVH	(80°-90°)	92.7	1.8			G1/100
UL	(90°-100°)	82.3	1.6		U3/500	
UH	(100°-180°)	36.5	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8
2.5°	552.5	597.4	583.7	626.7	636.4	646.2	648.1	650.1	648.1	650.1	654.0
5°	521.2	523.2	525.2	529.1	529.1	533.0	540.8	622.8	630.6	636.4	644.2
7.5°	435.3	454.9	492.0	505.6	511.5	519.3	523.2	523.2	531.0	550.5	564.2
10°	484.2	480.2	482.2	484.2	456.8	451.0	410.0	404.1	410.0	423.6	488.1
12.5°	406.1	425.6	466.6	476.3	443.2	392.4	386.5	394.4	392.4	353.4	413.9
15°	470.5	468.5	464.6	456.8	370.9	388.5	333.8	337.7	378.7	406.1	462.7
17.5°	410.0	408.0	462.7	447.1	390.4	302.6	380.7	353.4	386.5	357.3	382.6
20°	509.5	507.6	501.7	372.9	398.3	402.2	369.0	341.6	398.3	411.9	464.6
22.5°	462.7	462.7	499.8	490.0	404.1	425.6	351.4	415.8	372.9	378.7	351.4
25°	636.4	630.6	622.8	454.9	486.1	390.4	435.3	382.6	445.1	482.2	505.6
27.5°	616.9	605.2	597.4	603.2	488.1	511.5	431.4	476.3	513.4	529.1	589.6
30°	866.8	851.2	827.7	632.5	607.1	523.2	521.2	589.6	650.1	698.9	732.1
32.5°	1105.0	1108.9	987.8	849.2	671.6	698.9	620.8	691.1	710.6	761.4	780.9
35°	1417.3	1378.3	1302.1	1060.1	818.0	790.7	722.3	788.7	808.2	857.0	868.7
37.5°	1663.3	1665.3	1548.1	1274.8	980.0	956.6	837.5	905.8	941.0	995.6	976.1
40°	1899.5	1909.3	1815.6	1495.4	1185.0	1120.6	976.1	1056.2	1105.0	1138.2	1105.0
42.5°	2110.4	2108.4	2044.0	1739.4	1376.3	1339.2	1122.5	1226.0	1269.0	1300.2	1274.8
45°	2276.3	2270.5	2211.9	1938.6	1602.8	1653.5	1313.9	1421.2	1466.1	1501.3	1438.8
47.5°	2332.9	2301.7	2276.3	2083.0	1813.6	1930.8	1550.1	1610.6	1663.3	1723.8	1622.3
50°	2272.4	2231.4	2241.2	2151.4	1991.3	2163.1	1803.9	1829.2	1893.7	1946.4	1796.1
52.5°	2020.6	2010.8	2065.5	2083.0	2067.4	2340.7	2088.9	2016.7	2143.6	2149.4	1975.7
55°	1688.7	1677.0	1805.8	1878.1	1995.2	2411.0	2331.0	2280.2	2362.2	2352.4	2135.7
57.5°	1360.7	1352.9	1470.0	1589.1	1792.2	2372.0	2500.8	2569.1	2610.1	2555.5	2284.1
60°	911.7	927.3	1128.4	1288.5	1466.1	2137.7	2565.2	2838.6	2858.1	2740.9	2440.3
62.5°	581.8	603.2	732.1	993.7	1095.2	1735.5	2518.4	3078.7	3067.0	2908.8	2584.8
65°	372.9	380.7	443.2	673.5	784.8	1149.9	2309.5	3242.7	3244.6	3059.2	2699.9
67.5°	261.6	263.6	292.8	419.7	542.7	654.0	1878.1	3195.8	3283.7	3109.9	2737.0
70°	234.3	236.2	244.0	285.0	411.9	406.1	1138.2	2856.1	3139.2	3043.5	2680.4
72.5°	208.9	210.8	224.5	247.9	316.3	318.2	544.7	2274.4	2713.6	2807.3	2512.5
75°	173.7	177.7	193.3	232.3	244.0	267.5	365.1	1598.9	2135.7	2418.8	2313.4
77.5°	146.4	148.4	160.1	197.2	212.8	216.7	312.4	886.3	1475.9	1780.4	2038.1
80°	117.1	117.1	126.9	156.2	175.7	177.7	279.2	468.5	818.0	1077.6	1417.3
82.5°	76.1	78.1	89.8	117.1	130.8	175.7	247.9	341.6	400.2	519.3	644.2
85°	48.8	48.8	56.6	66.4	78.1	134.7	218.7	283.1	298.7	326.0	292.8
87.5°	23.4	23.4	21.5	25.4	29.3	50.8	152.3	201.1	203.0	199.1	214.7
90°	19.5	19.5	15.6	17.6	19.5	27.3	115.2	197.2	195.2	203.0	222.6
92.5°	21.5	21.5	15.6	17.6	19.5	23.4	83.9	199.1	205.0	214.7	236.2
95°	23.4	23.4	15.6	15.6	17.6	21.5	52.7	171.8	206.9	216.7	244.0
97.5°	21.5	21.5	11.7	13.7	15.6	19.5	33.2	128.8	162.0	169.8	193.3
100°	19.5	19.5	9.8	11.7	13.7	15.6	21.5	66.4	70.3	52.7	74.2
102.5°	17.6	19.5	7.8	9.8	9.8	9.8	13.7	31.2	31.2	17.6	19.5
105°	17.6	19.5	7.8	7.8	5.9	7.8	7.8	11.7	13.7	9.8	15.6
107.5°	19.5	19.5	7.8	7.8	5.9	5.9	5.9	7.8	9.8	7.8	15.6
110°	17.6	17.6	5.9	7.8	3.9	3.9	3.9	5.9	7.8	7.8	17.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.7	11.7	5.9	7.8	3.9	3.9	3.9	5.9	7.8	9.8	21.5
115°	9.8	7.8	3.9	5.9	3.9	3.9	3.9	5.9	5.9	7.8	17.6
117.5°	9.8	7.8	3.9	3.9	2.0	3.9	3.9	5.9	5.9	7.8	15.6
120°	9.8	9.8	3.9	2.0	2.0	2.0	2.0	3.9	5.9	9.8	17.6
122.5°	11.7	9.8	3.9	3.9	2.0	2.0	2.0	3.9	5.9	9.8	17.6
125°	11.7	11.7	5.9	3.9	2.0	2.0	2.0	3.9	5.9	7.8	15.6
127.5°	11.7	9.8	5.9	3.9	2.0	2.0	2.0	2.0	3.9	5.9	13.7
130°	9.8	9.8	5.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	9.8
132.5°	7.8	7.8	5.9	2.0	2.0	2.0	2.0	2.0	2.0	3.9	7.8
135°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.9
137.5°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
150°	3.9	3.9	7.8	5.9	3.9	2.0	3.9	2.0	2.0	2.0	2.0
152.5°	5.9	5.9	7.8	5.9	2.0	2.0	2.0	3.9	2.0	2.0	2.0
155°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9
157.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
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°	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8
2.5°	656.0	656.0	661.8	663.8	661.8	659.9	648.1	613.0	591.5	593.5	593.5
5°	646.2	648.1	654.0	618.9	575.9	579.8	585.7	587.6	587.6	591.5	591.5
7.5°	570.1	572.0	556.4	562.2	575.9	585.7	589.6	579.8	548.6	536.9	536.9
10°	493.9	493.9	439.3	441.2	456.8	486.1	577.9	587.6	597.4	599.3	597.4
12.5°	417.8	419.7	374.8	431.4	411.9	464.6	533.0	589.6	544.7	499.8	505.6
15°	466.6	470.5	421.7	370.9	380.7	458.8	398.3	546.6	550.5	550.5	550.5
17.5°	374.8	396.3	372.9	382.6	421.7	345.5	451.0	499.8	458.8	447.1	447.1
20°	466.6	466.6	425.6	369.0	390.4	449.0	400.2	445.1	523.2	523.2	521.2
22.5°	347.5	347.5	372.9	427.5	392.4	443.2	423.6	460.7	415.8	415.8	427.5
25°	501.7	495.9	452.9	378.7	447.1	410.0	425.6	402.2	470.5	476.3	472.4
27.5°	605.2	601.3	486.1	435.3	419.7	437.3	382.6	374.8	361.2	415.8	410.0
30°	716.5	706.7	636.4	525.2	460.7	369.0	345.5	359.2	398.3	400.2	398.3
32.5°	769.2	747.7	669.6	628.6	470.5	380.7	310.4	320.2	396.3	419.7	419.7
35°	841.4	818.0	730.1	685.2	468.5	335.8	275.3	310.4	357.3	359.2	359.2
37.5°	941.0	905.8	831.7	718.4	437.3	296.7	253.8	275.3	308.5	318.2	322.1
40°	1056.2	1011.3	944.9	739.9	392.4	249.9	226.5	253.8	279.2	271.4	271.4
42.5°	1218.2	1151.8	1056.2	773.1	335.8	220.6	206.9	232.3	249.9	253.8	251.8
45°	1370.5	1288.5	1187.0	784.8	273.3	199.1	193.3	220.6	238.2	232.3	232.3
47.5°	1542.3	1438.8	1284.6	757.5	224.5	187.4	193.3	212.8	220.6	230.4	230.4
50°	1712.1	1600.8	1427.1	714.5	199.1	179.6	193.3	205.0	220.6	226.5	224.5
52.5°	1866.3	1768.7	1513.0	638.4	185.5	173.7	187.4	205.0	224.5	234.3	234.3
55°	2034.2	1934.7	1591.1	570.1	173.7	162.0	193.3	212.8	218.7	224.5	224.5
57.5°	2161.1	2083.0	1677.0	509.5	165.9	162.0	197.2	222.6	220.6	226.5	226.5
60°	2315.4	2247.0	1755.1	480.2	154.2	154.2	205.0	240.1	224.5	242.1	242.1
62.5°	2479.3	2438.3	1831.2	458.8	142.5	150.3	206.9	253.8	232.3	259.6	261.6
65°	2637.5	2645.3	1901.5	408.0	132.8	150.3	210.8	271.4	240.1	275.3	279.2
67.5°	2717.5	2781.9	1921.0	328.0	123.0	148.4	222.6	285.0	251.8	290.9	292.8
70°	2701.9	2785.8	1876.1	242.1	115.2	156.2	240.1	296.7	257.7	310.4	310.4
72.5°	2565.2	2625.8	1743.3	183.5	107.4	150.3	244.0	300.6	261.6	341.6	341.6
75°	2372.0	2309.5	1434.9	152.3	101.5	150.3	238.2	296.7	257.7	333.8	331.9
77.5°	2057.7	1848.8	989.8	134.7	95.7	144.5	222.6	288.9	246.0	310.4	314.3
80°	1319.7	1138.2	505.6	117.1	101.5	138.6	214.7	267.5	228.4	277.2	279.2
82.5°	601.3	505.6	230.4	103.5	99.6	124.9	195.2	238.2	199.1	236.2	234.3
85°	253.8	257.7	181.6	87.9	87.9	97.6	144.5	185.5	154.2	165.9	162.0
87.5°	197.2	189.4	124.9	52.7	56.6	42.9	93.7	132.8	101.5	107.4	105.4
90°	208.9	205.0	132.8	54.7	41.0	25.4	70.3	103.5	76.1	68.3	66.4
92.5°	222.6	220.6	148.4	58.6	41.0	21.5	60.5	83.9	54.7	46.9	44.9
95°	238.2	238.2	162.0	62.5	41.0	21.5	54.7	64.4	41.0	31.2	29.3
97.5°	189.4	193.3	138.6	64.4	39.0	21.5	48.8	52.7	31.2	17.6	17.6
100°	76.1	83.9	76.1	64.4	35.1	17.6	39.0	41.0	21.5	9.8	9.8
102.5°	17.6	21.5	52.7	56.6	27.3	11.7	25.4	25.4	13.7	5.9	5.9
105°	17.6	15.6	35.1	44.9	15.6	7.8	11.7	15.6	7.8	3.9	3.9
107.5°	17.6	17.6	15.6	21.5	7.8	5.9	5.9	5.9	3.9	3.9	3.9
110°	19.5	17.6	7.8	7.8	5.9	5.9	3.9	3.9	2.0	11.7	13.7



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CATALOG NUMBER: SDL-PA1-50-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	21.5	9.8	7.8	5.9	5.9	3.9	3.9	5.9	19.5	19.5
115°	19.5	17.6	9.8	5.9	5.9	5.9	3.9	2.0	5.9	21.5	21.5
117.5°	17.6	15.6	9.8	5.9	3.9	5.9	3.9	2.0	5.9	21.5	21.5
120°	19.5	17.6	9.8	5.9	3.9	3.9	3.9	2.0	5.9	19.5	19.5
122.5°	19.5	19.5	11.7	3.9	3.9	2.0	3.9	2.0	5.9	17.6	17.6
125°	17.6	15.6	9.8	3.9	2.0	2.0	2.0	2.0	7.8	15.6	17.6
127.5°	15.6	13.7	7.8	3.9	2.0	2.0	2.0	2.0	5.9	11.7	13.7
130°	11.7	11.7	5.9	3.9	2.0	2.0	2.0	2.0	5.9	11.7	9.8
132.5°	7.8	7.8	5.9	3.9	2.0	2.0	2.0	2.0	5.9	7.8	7.8
135°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9
140°	2.0	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	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	3.9	2.0	2.0	3.9	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	5.9	5.9	3.9
155°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	0.0	0.0	2.0	0.0
160°	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
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)