

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: P560520

Luminaire Tested: **SDL-PA1-50-727-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
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-T3-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5037.7 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - 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

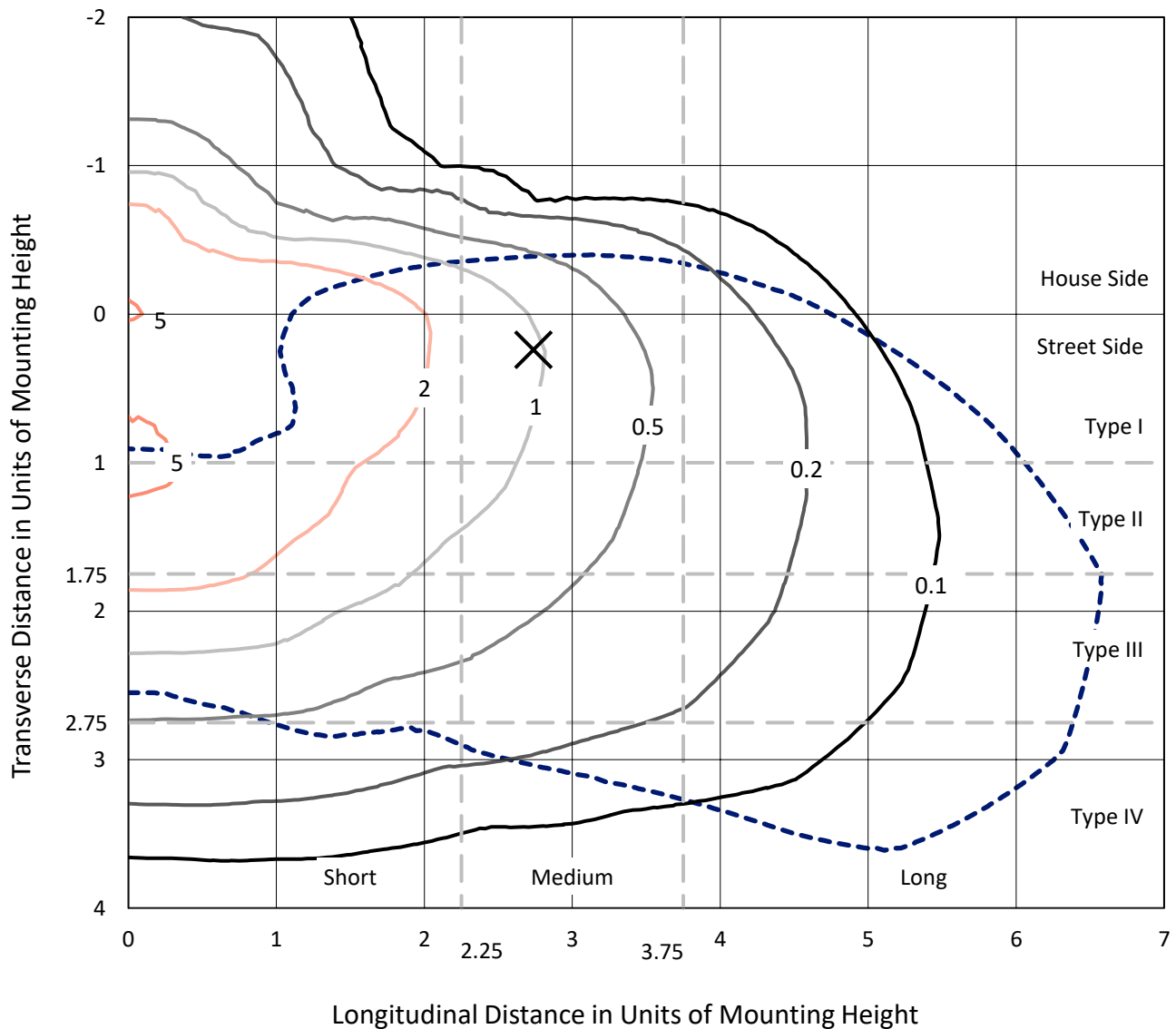


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

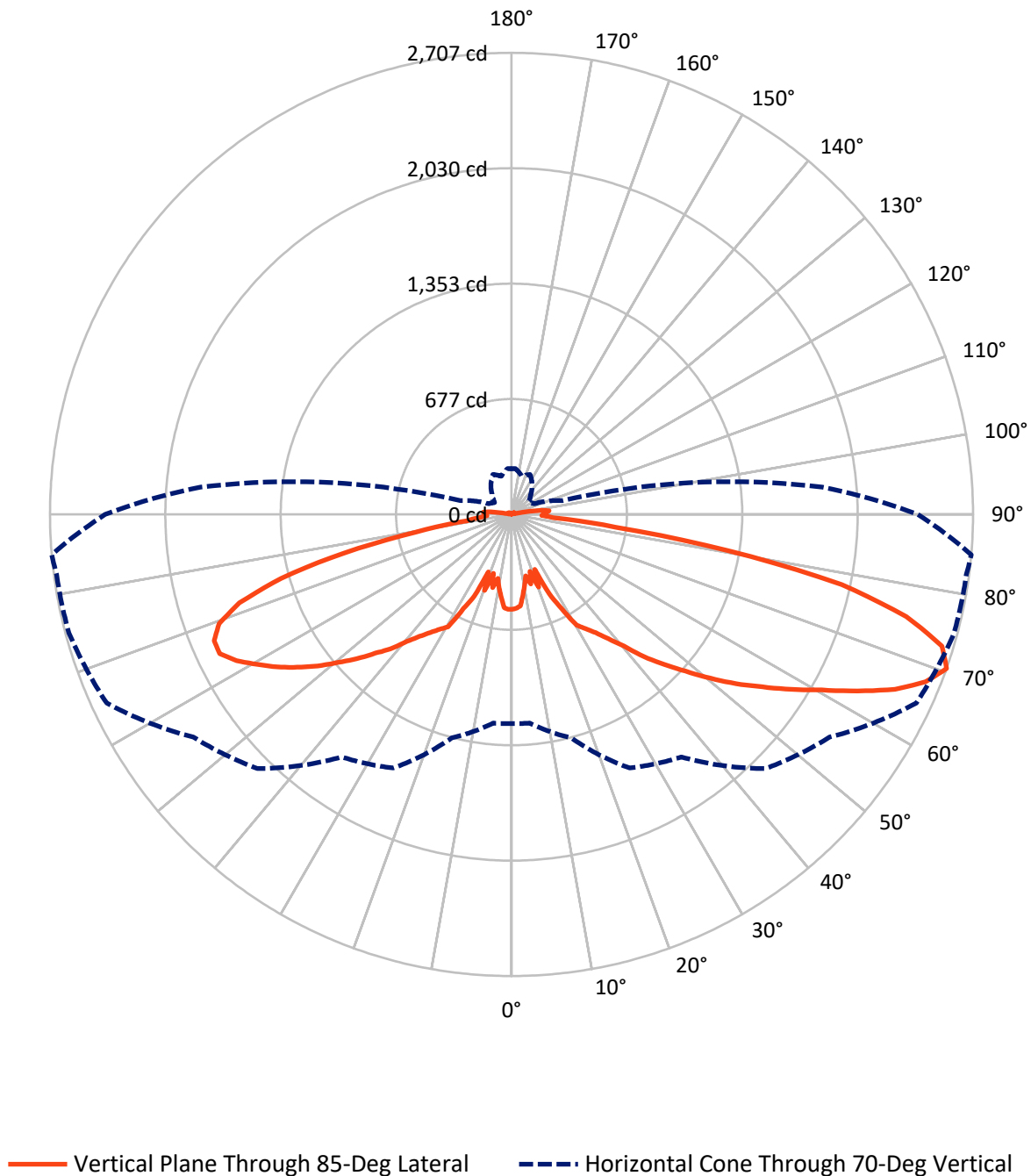


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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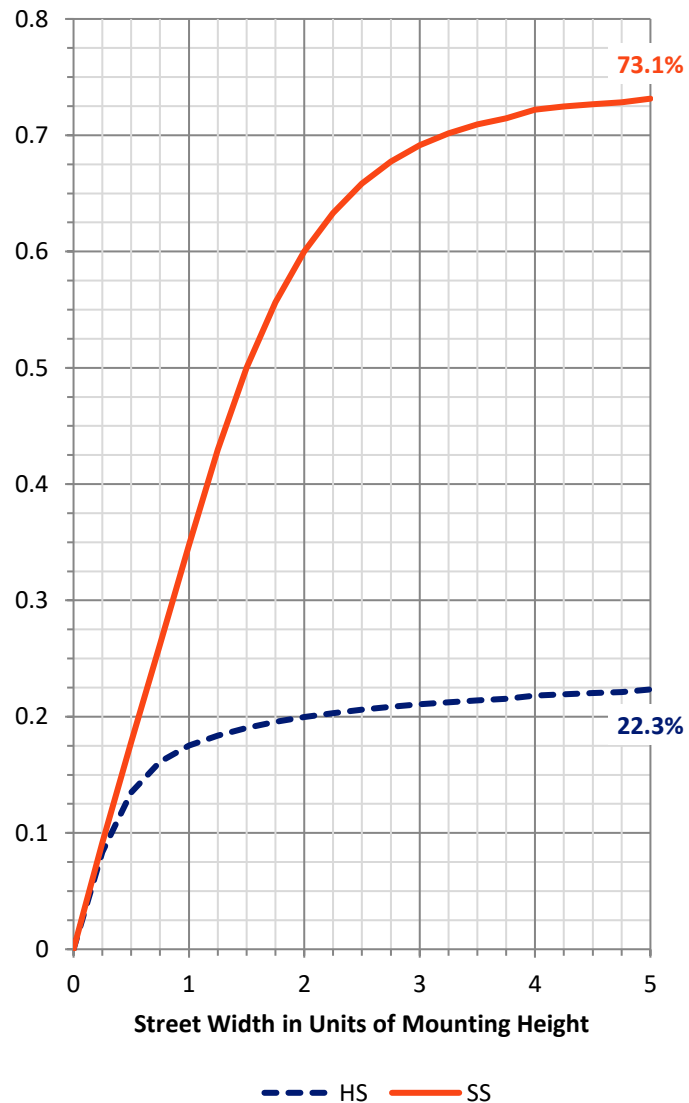
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1184.4	76.3	1260.7
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	3712.5	64.5	3777.0
	% Fixture	73.7	1.3	75.0
Total	Lumens	4896.9	140.9	5037.7
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	0.9
10°-20°	111.1	2.2
20°-30°	202.5	4.0
30°-40°	382.7	7.6
40°-50°	639.6	12.7
50°-60°	998.3	19.8
60°-70°	1238.0	24.6
70°-80°	1011.5	20.1
80°-90°	267.7	5.3
90°-100°	101.6	2.0
100°-110°	21.7	0.4
110°-120°	7.0	0.1
120°-130°	5.5	0.1
130°-140°	2.6	0.1
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4896.9	97.2
0°-180°	5037.7	100.0

Coefficient of Utilization



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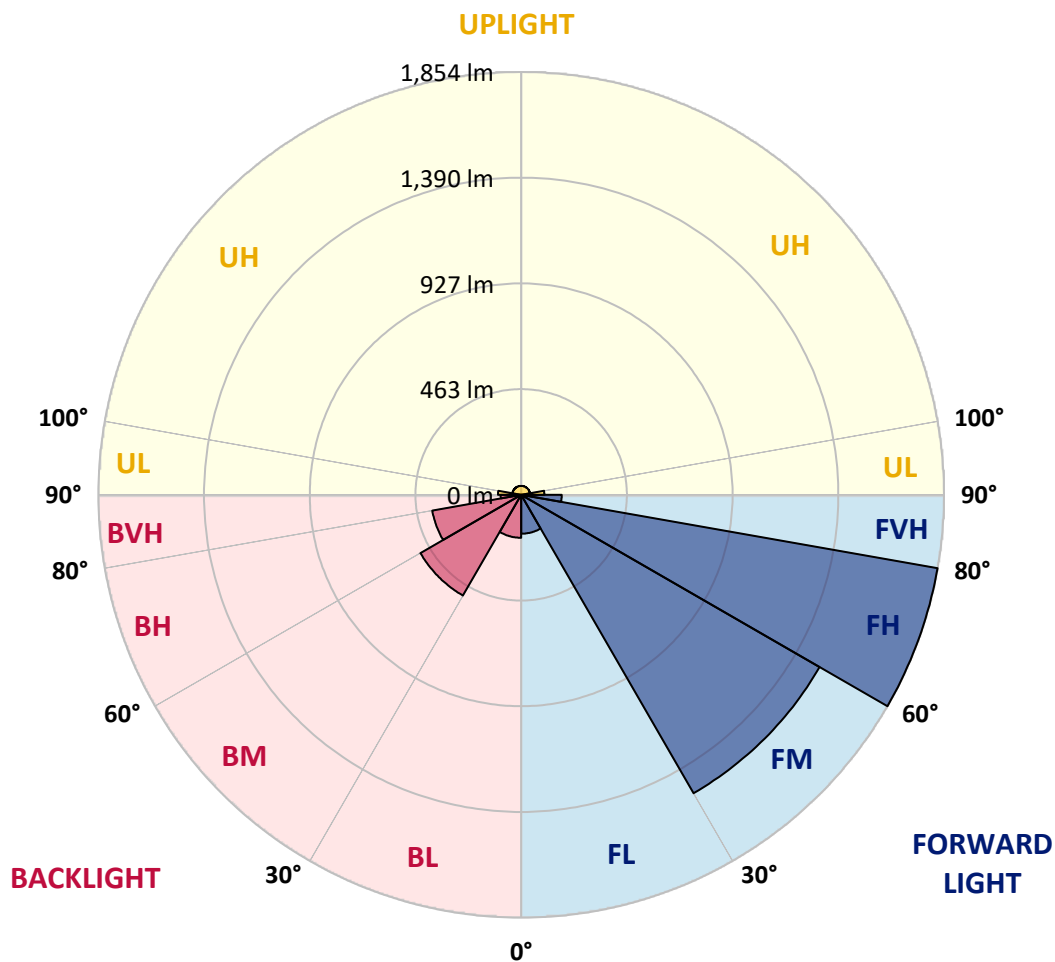
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	170.6	3.4			
FM	(30°-60°)	1510.5	30.0			
FH	(60°-80°)	1853.7	36.8			G2/5000
FVH	(80°-90°)	177.6	3.5			G2/225
BL	(0°-30°)	188.4	3.7	B1/500		
BM	(30°-60°)	510.2	10.1	B1/1000		
BH	(60°-80°)	395.7	7.9	B1/500		G1/500
BVH	(80°-90°)	90.1	1.8			G1/100
UL	(90°-100°)	101.6	2.0		U3/500	
UH	(100°-180°)	39.2	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6
2.5°	460.9	505.8	498.0	511.7	519.5	531.2	539.0	542.9	546.8	550.7	550.7
5°	427.7	429.6	431.6	433.5	437.5	443.3	449.2	511.7	531.2	539.0	539.0
7.5°	390.6	388.6	396.4	406.2	419.9	427.7	433.5	435.5	457.0	474.6	478.5
10°	388.6	390.6	390.6	394.5	371.1	369.1	341.8	343.7	373.0	417.9	419.9
12.5°	337.9	347.6	369.1	384.7	361.3	324.2	318.3	333.9	312.5	367.1	369.1
15°	376.9	375.0	375.0	359.3	304.7	320.3	285.1	296.8	363.2	414.0	423.8
17.5°	328.1	324.2	363.2	351.5	316.4	267.5	320.3	316.4	328.1	357.4	351.5
20°	412.1	408.2	400.3	304.7	320.3	335.9	326.1	304.7	384.7	429.6	455.0
22.5°	384.7	388.6	408.2	386.7	330.0	345.7	308.6	375.0	363.2	345.7	349.6
25°	525.3	521.4	501.9	378.9	394.5	322.2	376.9	333.9	460.9	511.7	515.6
27.5°	484.3	478.5	464.8	476.5	400.3	421.8	367.1	437.5	509.7	599.5	626.9
30°	642.5	636.6	621.0	480.4	476.5	417.9	445.3	537.0	687.4	755.8	753.8
32.5°	828.0	785.1	689.4	615.2	509.7	542.9	509.7	632.7	732.3	798.7	798.7
35°	941.3	933.5	882.7	714.8	593.7	591.7	585.9	697.2	808.5	855.4	851.5
37.5°	1037.0	1050.7	1013.6	828.0	669.8	685.5	656.2	785.1	902.2	929.6	925.7
40°	1169.8	1165.9	1146.4	925.7	763.6	761.6	740.2	890.5	1005.7	1025.3	1015.5
42.5°	1367.0	1345.6	1287.0	1056.5	863.2	863.2	824.1	990.1	1132.7	1134.6	1140.5
45°	1609.2	1599.4	1495.9	1259.6	992.1	990.1	925.7	1095.6	1261.6	1271.3	1253.8
47.5°	1777.1	1747.9	1697.1	1445.2	1191.3	1146.4	1048.7	1199.1	1415.9	1408.0	1372.9
50°	1943.1	1919.7	1872.8	1648.3	1398.3	1308.4	1163.9	1306.5	1564.3	1542.8	1509.6
52.5°	2085.7	2054.5	2003.7	1814.3	1579.9	1509.6	1296.7	1404.1	1714.7	1679.5	1648.3
55°	2167.7	2103.3	2107.2	1962.7	1716.6	1660.0	1445.2	1562.3	1861.1	1810.3	1785.0
57.5°	2066.2	2062.3	2126.7	2054.5	1841.6	1785.0	1603.3	1720.5	2013.4	1947.1	1935.3
60°	1964.6	1976.3	2068.1	2081.8	1939.2	1898.2	1740.0	1945.1	2161.9	2089.6	2089.6
62.5°	1824.0	1857.2	1986.1	2091.6	1949.0	2009.5	1882.6	2136.5	2324.0	2257.6	2279.0
65°	1663.9	1663.9	1812.3	2011.5	1917.8	2083.8	2040.8	2345.4	2466.5	2427.5	2472.4
67.5°	1445.2	1449.1	1603.3	1855.3	1861.1	2120.9	2167.7	2509.5	2614.9	2585.7	2618.9
70°	1226.4	1228.4	1357.3	1640.4	1736.1	2107.2	2277.1	2618.9	2687.2	2691.1	2706.7
72.5°	917.9	951.1	1072.1	1331.9	1519.4	2050.6	2333.7	2650.1	2685.2	2691.1	2640.3
75°	494.1	509.7	644.5	867.1	1128.8	1818.2	2316.2	2616.9	2591.5	2523.2	2390.4
77.5°	171.9	179.7	226.5	378.9	640.6	1287.0	2148.2	2472.4	2390.4	2175.5	1980.2
80°	111.3	111.3	123.0	181.6	291.0	609.3	1667.8	2118.9	1925.6	1466.6	1285.0
82.5°	78.1	80.1	89.8	121.1	187.5	261.7	867.1	1076.1	1060.4	730.4	615.2
85°	56.6	58.6	62.5	70.3	128.9	162.1	337.9	517.5	478.5	261.7	246.1
87.5°	25.4	29.3	25.4	31.2	50.8	99.6	162.1	160.1	152.3	173.8	177.7
90°	19.5	19.5	15.6	17.6	35.2	89.8	150.4	144.5	154.3	189.4	187.5
92.5°	19.5	19.5	15.6	17.6	33.2	89.8	158.2	140.6	160.1	203.1	205.1
95°	19.5	21.5	15.6	15.6	27.3	91.8	168.0	150.4	169.9	220.7	220.7
97.5°	17.6	17.6	11.7	13.7	21.5	84.0	168.0	128.9	125.0	177.7	175.8
100°	13.7	15.6	7.8	11.7	15.6	50.8	125.0	80.1	35.2	41.0	62.5
102.5°	13.7	13.7	7.8	9.8	11.7	21.5	66.4	46.9	9.8	13.7	13.7
105°	13.7	15.6	7.8	7.8	7.8	9.8	31.2	23.4	7.8	11.7	13.7
107.5°	15.6	15.6	5.9	5.9	5.9	5.9	11.7	9.8	7.8	13.7	15.6
110°	15.6	15.6	5.9	5.9	3.9	3.9	5.9	5.9	7.8	13.7	15.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	13.7	13.7	5.9	5.9	3.9	3.9	3.9	5.9	7.8	11.7	13.7
115°	9.8	9.8	3.9	5.9	3.9	3.9	3.9	5.9	5.9	9.8	11.7
117.5°	9.8	7.8	3.9	3.9	2.0	3.9	3.9	5.9	7.8	13.7	13.7
120°	9.8	9.8	3.9	2.0	2.0	2.0	2.0	3.9	9.8	15.6	17.6
122.5°	9.8	9.8	3.9	2.0	2.0	2.0	2.0	3.9	9.8	15.6	17.6
125°	11.7	9.8	5.9	2.0	2.0	2.0	2.0	2.0	7.8	13.7	15.6
127.5°	9.8	9.8	5.9	2.0	2.0	2.0	2.0	2.0	5.9	11.7	13.7
130°	9.8	9.8	5.9	2.0	2.0	2.0	2.0	2.0	5.9	9.8	9.8
132.5°	7.8	7.8	5.9	2.0	2.0	2.0	2.0	2.0	3.9	7.8	7.8
135°	7.8	7.8	3.9	2.0	2.0	2.0	2.0	2.0	2.0	5.9	5.9
137.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	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°	5.9	5.9	5.9	3.9	3.9	2.0	3.9	2.0	2.0	2.0	2.0
152.5°	5.9	5.9	7.8	3.9	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°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	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°	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6
2.5°	552.7	556.6	558.5	564.4	564.4	564.4	550.7	517.5	517.5	519.5	521.4
5°	544.9	548.8	556.6	529.2	501.9	499.9	509.7	515.6	517.5	519.5	515.6
7.5°	482.4	490.2	486.3	488.2	501.9	515.6	527.3	519.5	499.9	486.3	490.2
10°	429.6	437.5	394.5	398.4	414.0	453.1	517.5	539.0	552.7	558.5	558.5
12.5°	376.9	382.8	345.7	400.3	373.0	433.5	503.9	556.6	503.9	482.4	482.4
15°	431.6	443.3	398.4	355.4	363.2	439.4	386.7	531.2	546.8	550.7	554.6
17.5°	369.1	361.3	369.1	375.0	408.2	341.8	443.3	499.9	468.7	457.0	462.8
20°	464.8	472.6	431.6	369.1	373.0	435.5	394.5	447.2	533.1	535.1	539.0
22.5°	353.5	363.2	386.7	439.4	384.7	421.8	416.0	464.8	435.5	437.5	453.1
25°	519.5	527.3	486.3	392.5	419.9	380.8	419.9	414.0	488.2	492.1	492.1
27.5°	636.6	619.1	531.2	443.3	369.1	402.3	378.9	394.5	376.9	429.6	437.5
30°	757.7	757.7	689.4	494.1	390.6	341.8	345.7	375.0	417.9	425.7	425.7
32.5°	794.8	792.9	705.0	535.1	384.7	353.5	318.3	353.5	427.7	464.8	468.7
35°	847.6	839.8	732.3	521.4	371.1	322.2	300.7	355.4	410.1	416.0	412.1
37.5°	914.0	894.4	765.5	496.0	339.8	302.7	289.0	320.3	367.1	367.1	367.1
40°	996.0	964.7	777.3	460.9	306.6	277.3	263.6	296.8	328.1	310.5	304.7
42.5°	1107.3	1060.4	787.0	435.5	277.3	255.8	238.3	269.5	285.1	275.4	271.5
45°	1210.8	1140.5	802.6	408.2	253.9	236.3	220.7	248.0	259.7	250.0	248.0
47.5°	1333.8	1240.1	804.6	382.8	236.3	220.7	209.0	232.4	240.2	240.2	238.3
50°	1460.8	1335.8	820.2	361.3	218.7	205.1	203.1	220.7	226.5	222.6	220.7
52.5°	1605.3	1443.2	826.1	333.9	197.2	187.5	197.2	209.0	226.5	228.5	228.5
55°	1759.6	1542.8	822.2	296.8	181.6	177.7	191.4	216.8	232.4	220.7	218.7
57.5°	1909.9	1642.4	824.1	255.8	166.0	173.8	193.3	226.5	238.3	224.6	218.7
60°	2044.7	1732.2	796.8	218.7	154.3	164.0	201.1	236.3	232.4	236.3	230.4
62.5°	2210.7	1826.0	718.7	195.3	144.5	160.1	201.1	242.2	226.5	242.2	242.2
65°	2347.4	1896.3	607.4	175.8	136.7	160.1	203.1	244.1	220.7	246.1	246.1
67.5°	2406.0	1894.3	439.4	160.1	126.9	156.2	203.1	251.9	226.5	253.9	251.9
70°	2382.5	1829.9	310.5	148.4	121.1	158.2	210.9	257.8	232.4	269.5	267.5
72.5°	2224.4	1677.5	224.6	138.7	113.3	150.4	216.8	265.6	238.3	292.9	292.9
75°	1958.8	1402.2	181.6	128.9	105.5	148.4	218.7	269.5	242.2	296.8	296.8
77.5°	1497.9	1007.7	152.3	119.1	97.6	144.5	216.8	275.4	240.2	296.8	296.8
80°	898.3	574.2	126.9	107.4	99.6	142.6	220.7	275.4	240.2	292.9	292.9
82.5°	414.0	263.6	113.3	89.8	93.7	140.6	224.6	271.5	230.4	292.9	281.2
85°	230.4	185.5	97.6	76.2	84.0	132.8	212.9	244.1	207.0	242.2	238.3
87.5°	171.9	144.5	62.5	39.1	54.7	93.7	164.0	193.3	156.2	187.5	185.5
90°	183.6	152.3	56.6	39.1	58.6	85.9	154.3	171.9	144.5	173.8	171.9
92.5°	197.2	160.1	56.6	41.0	66.4	93.7	154.3	168.0	142.6	158.2	160.1
95°	207.0	166.0	54.7	44.9	70.3	101.6	150.4	154.3	130.8	136.7	142.6
97.5°	162.1	125.0	48.8	46.9	68.4	82.0	123.0	121.1	89.8	84.0	84.0
100°	50.8	35.2	43.0	48.8	41.0	39.1	72.3	85.9	52.7	35.2	33.2
102.5°	15.6	13.7	39.1	46.9	31.2	17.6	39.1	54.7	39.1	5.9	7.8
105°	15.6	15.6	25.4	39.1	21.5	7.8	15.6	29.3	23.4	5.9	5.9
107.5°	15.6	13.7	9.8	21.5	7.8	5.9	7.8	7.8	7.8	5.9	5.9
110°	15.6	15.6	7.8	7.8	5.9	5.9	5.9	3.9	3.9	9.8	9.8



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CATALOG NUMBER: SDL-PA1-50-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.6	15.6	7.8	7.8	5.9	5.9	3.9	3.9	5.9	13.7	13.7
115°	13.7	13.7	7.8	5.9	3.9	5.9	3.9	3.9	5.9	15.6	15.6
117.5°	15.6	15.6	7.8	5.9	3.9	3.9	3.9	2.0	5.9	17.6	19.5
120°	19.5	17.6	9.8	3.9	3.9	3.9	3.9	3.9	7.8	15.6	17.6
122.5°	19.5	19.5	9.8	3.9	2.0	2.0	2.0	3.9	7.8	15.6	17.6
125°	17.6	17.6	9.8	3.9	2.0	2.0	2.0	2.0	7.8	13.7	13.7
127.5°	15.6	15.6	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	9.8	11.7
132.5°	9.8	9.8	5.9	3.9	2.0	2.0	2.0	2.0	5.9	7.8	9.8
135°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	7.8
137.5°	3.9	3.9	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	0.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	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	2.0	2.0	2.0	3.9	3.9	5.9	3.9
152.5°	2.0	2.0	2.0	3.9	2.0	0.0	0.0	3.9	3.9	5.9	5.9
155°	5.9	5.9	3.9	2.0	2.0	0.0	0.0	0.0	3.9	3.9	3.9
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	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	0.0	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)