

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: P560486

Luminaire Tested: **SDL-PA1-50-722-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560486
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-PA1-50-722-U-SL3-A
Description: Springdale
(1) 70 CRI, 2200K, 670mA 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: 4400.5 lumens
Efficiency: N/A
Efficacy: 84.0 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): 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

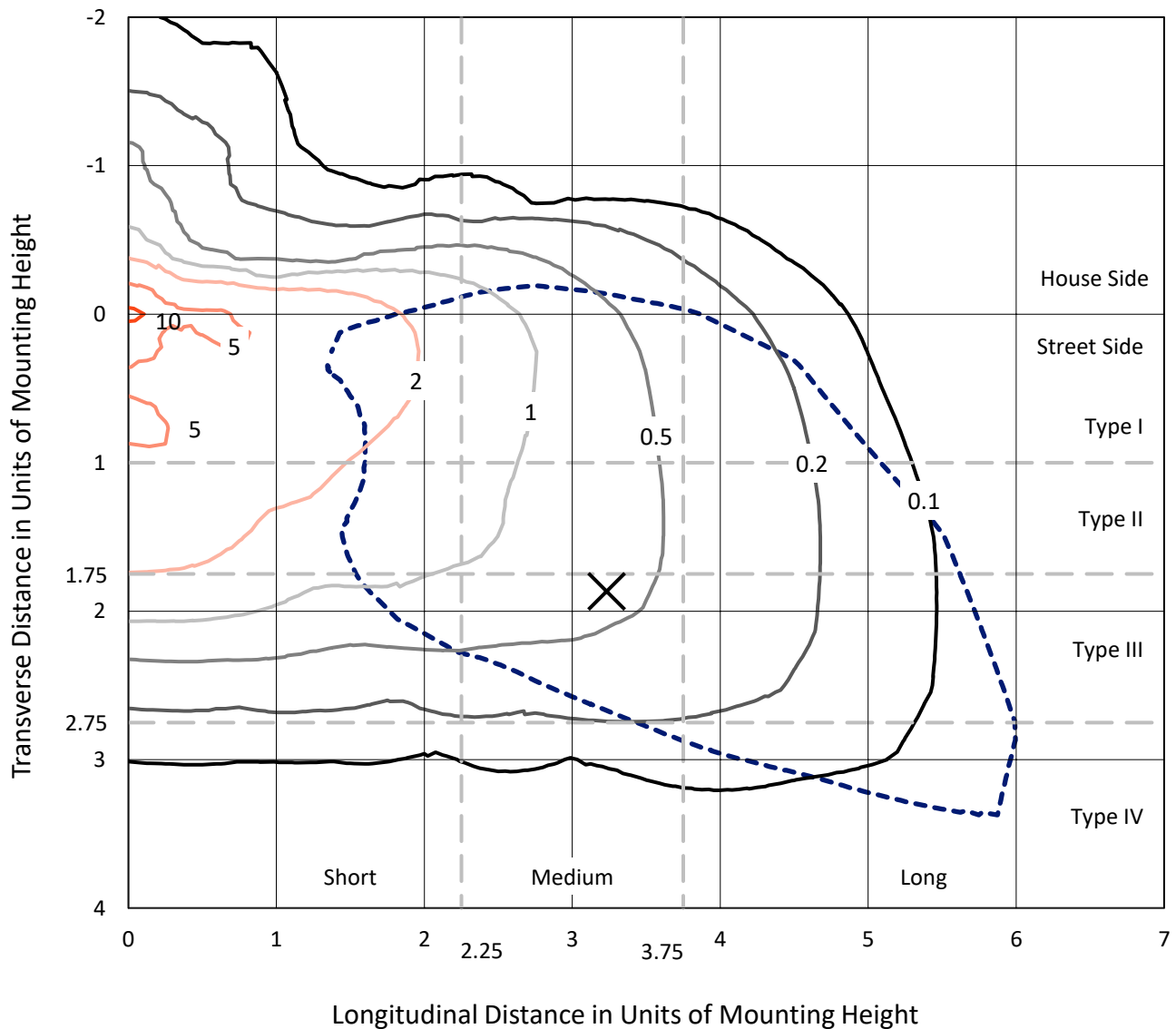


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

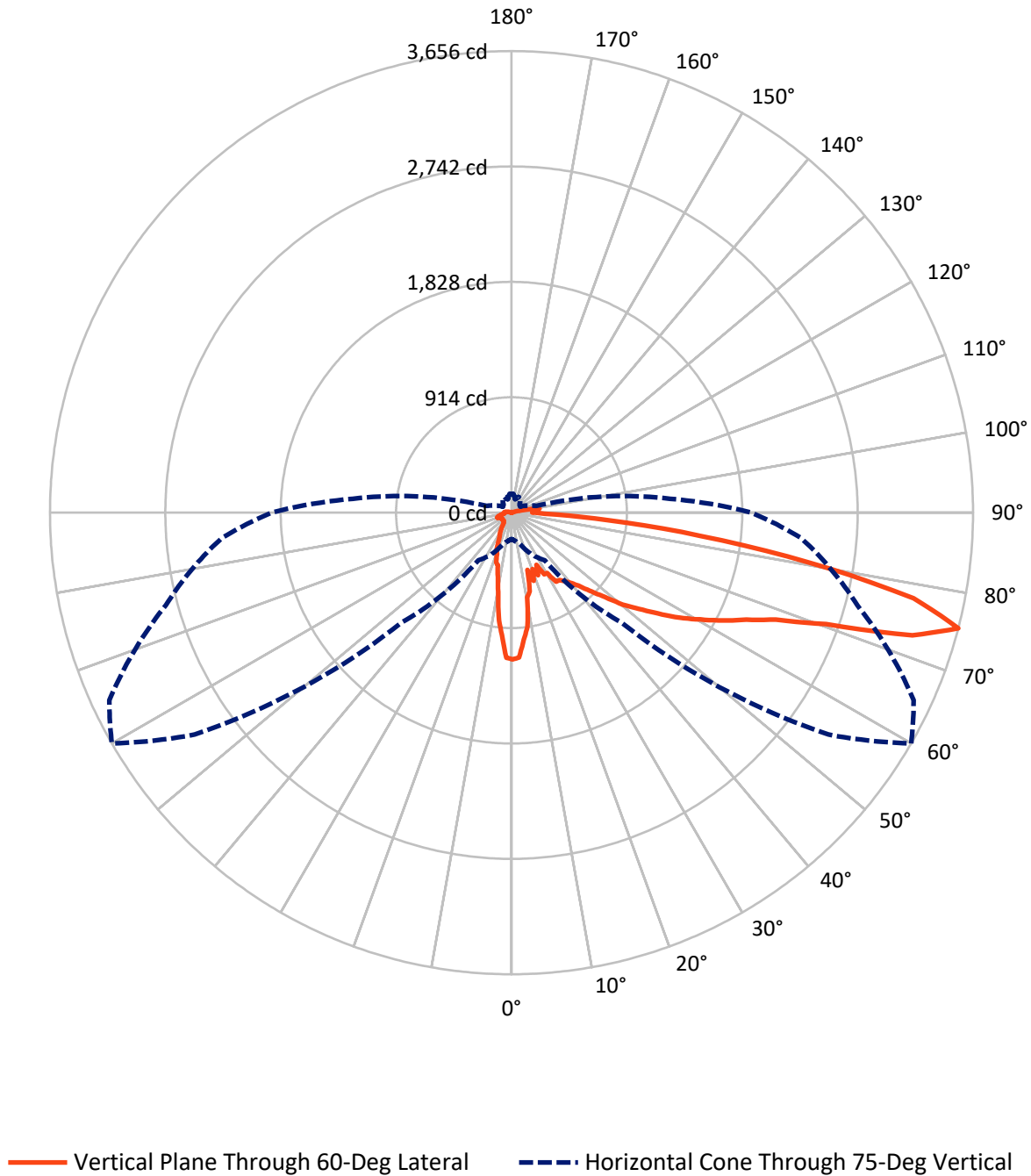


Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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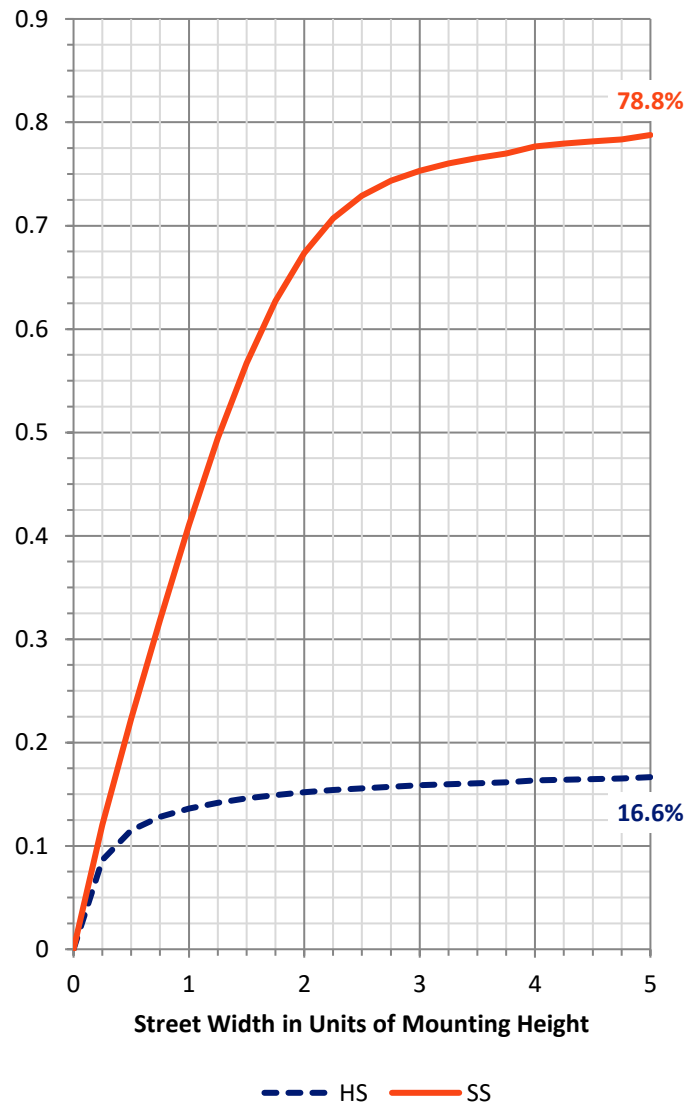
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	772.5	58.5	831.1
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	3507.6	61.9	3569.5
	% Fixture	79.7	1.4	81.1
Total	Lumens	4280.1	120.4	4400.5
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	1.9
10°-20°	152.2	3.5
20°-30°	197.2	4.5
30°-40°	328.7	7.5
40°-50°	526.3	12.0
50°-60°	807.9	18.4
60°-70°	1009.5	22.9
70°-80°	920.8	20.9
80°-90°	252.0	5.7
90°-100°	84.6	1.9
100°-110°	19.2	0.4
110°-120°	6.1	0.1
120°-130°	5.7	0.1
130°-140°	2.7	0.1
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4280.1	97.3
0°-180°	4400.5	100.0

Coefficient of Utilization



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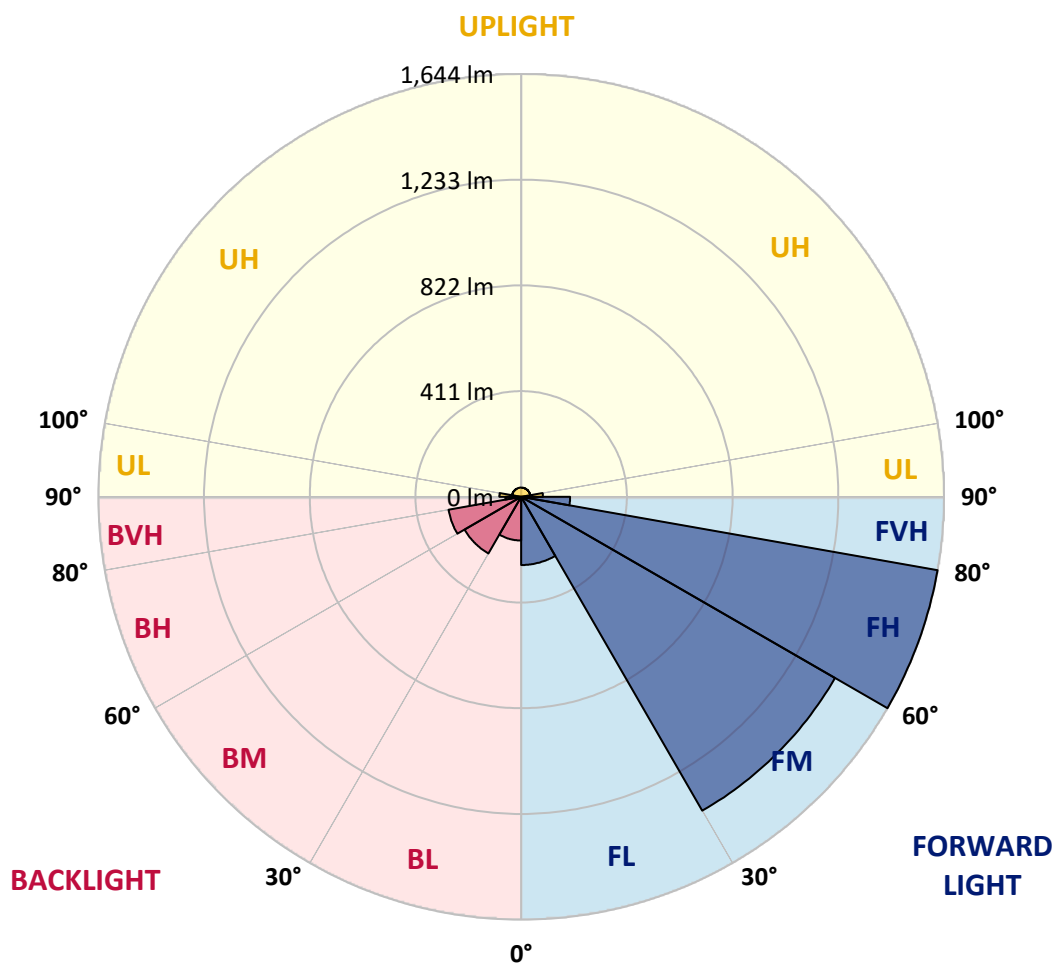
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.1	6.0			
FM	(30°-60°)	1408.7	32.0			
FH	(60°-80°)	1643.7	37.4			G1/1800
FVH	(80°-90°)	190.1	4.3			G2/225
BL	(0°-30°)	169.8	3.9	B1/500		
BM	(30°-60°)	254.2	5.8	B1/1000		
BH	(60°-80°)	286.6	6.5	B1/500		G1/500
BVH	(80°-90°)	61.8	1.4			G1/100
UL	(90°-100°)	84.6	1.9		U3/500	
UH	(100°-180°)	35.8	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°	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1
2.5°	975.0	1066.0	1057.4	1127.8	1127.8	1143.3	1150.1	1148.4	1155.3	1162.1	1160.4
5°	897.8	899.5	906.4	921.8	927.0	932.1	949.3	1009.4	1110.6	1134.7	1134.7
7.5°	741.6	782.8	834.3	842.9	873.8	889.2	908.1	911.5	842.9	966.4	978.5
10°	751.9	753.6	750.2	769.0	746.7	738.1	678.1	681.5	688.4	734.7	827.4
12.5°	588.8	623.1	696.9	731.3	676.3	616.3	612.8	642.0	654.0	585.4	729.6
15°	672.9	676.3	678.1	679.8	504.7	585.4	511.5	470.3	527.0	664.3	755.3
17.5°	527.0	530.4	611.1	609.4	556.2	449.7	556.2	568.2	545.9	564.8	631.7
20°	618.0	619.7	614.5	477.2	487.5	551.0	478.9	477.2	504.7	650.6	734.7
22.5°	508.1	501.2	499.5	545.9	496.1	530.4	465.2	539.0	585.4	580.2	554.5
25°	636.9	635.1	609.4	475.5	508.1	449.7	544.2	456.6	506.4	702.1	734.7
27.5°	595.7	571.6	528.7	549.3	473.8	527.0	484.1	552.7	583.6	721.0	851.4
30°	770.8	753.6	703.8	554.5	523.6	485.8	518.4	554.5	664.3	928.7	973.3
32.5°	1017.9	999.1	820.5	679.8	549.3	575.1	545.9	650.6	733.0	947.6	981.9
35°	1093.5	1067.7	980.2	824.0	630.0	611.1	581.9	655.7	743.3	997.3	997.3
37.5°	1136.4	1134.7	1093.5	909.8	710.7	700.4	626.6	688.4	784.5	1045.4	1035.1
40°	1143.3	1151.8	1170.7	985.3	806.8	784.5	684.9	733.0	842.9	1103.8	1083.2
42.5°	1199.9	1215.4	1258.3	1084.9	902.9	882.3	753.6	798.2	906.4	1189.6	1184.5
45°	1290.9	1306.3	1344.1	1194.8	987.0	973.3	865.2	892.6	1009.4	1340.7	1292.6
47.5°	1479.7	1483.1	1467.7	1285.7	1078.0	1078.0	973.3	999.1	1102.1	1479.7	1433.4
50°	1668.5	1647.9	1579.3	1393.9	1169.0	1194.8	1084.9	1145.0	1206.8	1620.5	1557.0
52.5°	1773.3	1769.8	1677.1	1476.3	1248.0	1297.8	1213.6	1265.1	1302.9	1763.0	1673.7
55°	1776.7	1771.5	1708.0	1515.8	1321.8	1404.2	1342.4	1409.3	1436.8	1874.5	1833.3
57.5°	1720.0	1733.8	1701.2	1538.1	1357.8	1507.2	1498.6	1570.7	1584.4	2006.7	1943.2
60°	1630.8	1629.1	1668.5	1558.7	1412.8	1605.0	1642.8	1716.6	1790.4	2108.0	2041.0
62.5°	1407.6	1423.1	1534.6	1558.7	1472.8	1732.1	1804.1	1881.4	1972.4	2200.7	2128.6
65°	1102.1	1110.6	1285.7	1445.4	1490.0	1902.0	1967.2	2044.5	2140.6	2295.1	2226.4
67.5°	666.0	722.7	873.8	1189.6	1402.5	2106.3	2226.4	2259.0	2314.0	2401.5	2370.6
70°	379.4	396.5	468.6	748.4	1170.7	2171.5	2703.6	2645.3	2588.6	2609.2	2550.9
72.5°	288.4	298.7	331.3	442.9	700.4	1917.4	3105.3	3321.6	3077.9	2825.5	2545.7
75°	209.4	219.7	252.3	357.1	460.0	1229.1	3064.1	3656.4	3515.6	2835.8	2302.0
77.5°	130.5	132.2	151.1	303.8	413.7	616.3	2398.1	3256.4	3318.2	2648.7	1908.9
80°	91.0	92.7	96.1	163.1	381.1	494.4	1610.2	2391.2	2478.8	1843.6	973.3
82.5°	65.2	68.7	72.1	96.1	247.2	472.1	1002.5	1505.5	1326.9	667.8	394.8
85°	34.3	37.8	46.3	58.4	99.6	513.3	600.8	765.6	606.0	271.2	235.2
87.5°	13.7	12.0	10.3	15.4	27.5	197.4	233.5	257.5	199.1	152.8	187.1
90°	12.0	10.3	6.9	8.6	12.0	70.4	147.6	164.8	137.3	149.3	188.8
92.5°	12.0	10.3	6.9	6.9	12.0	70.4	176.8	180.2	142.5	152.8	197.4
95°	12.0	12.0	6.9	6.9	12.0	63.5	209.4	206.0	147.6	161.4	209.4
97.5°	12.0	12.0	5.1	6.9	12.0	42.9	216.3	223.2	144.2	115.0	173.4
100°	12.0	12.0	5.1	5.1	10.3	27.5	151.1	163.1	106.4	37.8	42.9
102.5°	12.0	12.0	5.1	5.1	6.9	18.9	66.9	80.7	63.5	12.0	13.7
105°	12.0	13.7	3.4	3.4	5.1	10.3	29.2	32.6	25.7	8.6	15.4
107.5°	13.7	15.4	3.4	3.4	3.4	5.1	10.3	12.0	6.9	6.9	15.4
110°	15.4	15.4	3.4	3.4	3.4	5.1	3.4	3.4	5.1	6.9	17.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	12.0	10.3	1.7	3.4	3.4	3.4	3.4	3.4	3.4	6.9	17.2
115°	6.9	5.1	1.7	3.4	3.4	3.4	1.7	3.4	5.1	6.9	15.4
117.5°	6.9	5.1	1.7	1.7	1.7	3.4	1.7	1.7	5.1	8.6	18.9
120°	5.1	5.1	1.7	1.7	1.7	1.7	1.7	3.4	3.4	12.0	25.7
122.5°	5.1	5.1	1.7	1.7	1.7	1.7	1.7	3.4	3.4	12.0	25.7
125°	6.9	6.9	3.4	1.7	1.7	1.7	1.7	3.4	3.4	10.3	24.0
127.5°	5.1	5.1	3.4	1.7	1.7	1.7	1.7	3.4	3.4	8.6	18.9
130°	5.1	5.1	3.4	1.7	1.7	1.7	1.7	3.4	1.7	8.6	15.4
132.5°	5.1	5.1	3.4	1.7	1.7	1.7	1.7	1.7	1.7	5.1	12.0
135°	5.1	5.1	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	8.6
137.5°	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
140°	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	1.7	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7
150°	3.4	3.4	6.9	5.1	3.4	1.7	1.7	1.7	1.7	1.7	1.7
152.5°	6.9	6.9	6.9	5.1	1.7	1.7	3.4	5.1	1.7	1.7	1.7
155°	5.1	5.1	5.1	1.7	1.7	1.7	1.7	1.7	3.4	5.1	5.1
157.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1
2.5°	1155.3	1158.7	1155.3	1151.8	1148.4	1138.1	1067.7	981.9	975.0	981.9	978.5
5°	1126.1	1126.1	1124.4	1005.9	935.5	914.9	909.8	904.6	894.3	889.2	892.6
7.5°	971.6	966.4	906.4	799.9	866.9	842.9	829.1	822.3	719.3	681.5	684.9
10°	812.0	812.0	674.6	636.9	633.4	643.7	714.1	709.0	695.2	686.6	695.2
12.5°	700.4	729.6	535.6	573.3	465.2	515.0	563.0	597.4	492.7	463.5	468.6
15°	743.3	733.0	588.8	449.7	410.3	432.6	346.8	434.3	427.4	413.7	412.0
17.5°	648.9	595.7	490.9	422.3	405.1	305.6	297.0	307.3	281.5	257.5	269.5
20°	705.5	676.3	520.1	375.9	312.4	278.1	209.4	195.7	248.9	260.9	259.2
22.5°	588.8	490.9	425.7	374.2	252.3	199.1	157.9	173.4	185.4	197.4	202.6
25°	691.8	638.6	465.2	279.8	204.3	145.9	142.5	128.7	194.0	221.4	219.7
27.5°	798.2	722.7	448.0	262.6	147.6	125.3	115.0	130.5	135.6	152.8	163.1
30°	892.6	801.7	518.4	243.8	123.6	94.4	103.0	106.4	132.2	142.5	142.5
32.5°	889.2	779.3	463.5	207.7	101.3	85.8	85.8	101.3	116.7	140.8	142.5
35°	887.5	762.2	413.7	161.4	89.3	75.5	79.0	96.1	116.7	130.5	132.2
37.5°	908.1	757.0	363.9	130.5	80.7	72.1	75.5	91.0	125.3	139.0	139.0
40°	939.0	760.5	314.1	111.6	77.2	70.4	72.1	96.1	113.3	125.3	125.3
42.5°	1033.4	810.2	271.2	103.0	77.2	68.7	68.7	89.3	115.0	135.6	137.3
45°	1103.8	849.7	238.6	103.0	75.5	65.2	72.1	89.3	101.3	149.3	159.6
47.5°	1217.1	921.8	207.7	103.0	75.5	63.5	66.9	87.5	106.4	171.7	178.5
50°	1330.4	993.9	194.0	103.0	75.5	61.8	75.5	84.1	106.4	178.5	183.7
52.5°	1450.5	1083.2	185.4	103.0	75.5	65.2	82.4	101.3	115.0	159.6	157.9
55°	1574.1	1162.1	180.2	106.4	75.5	65.2	89.3	94.4	97.8	123.6	127.0
57.5°	1689.1	1258.3	190.5	106.4	73.8	68.7	84.1	92.7	85.8	108.1	109.9
60°	1780.1	1345.8	216.3	103.0	72.1	68.7	85.8	101.3	96.1	118.4	121.9
62.5°	1884.8	1438.5	276.4	104.7	72.1	70.4	96.1	109.9	97.8	116.7	123.6
65°	2022.2	1579.3	343.3	115.0	73.8	73.8	97.8	118.4	97.8	115.0	115.0
67.5°	2176.7	1709.7	343.3	133.9	79.0	79.0	97.8	125.3	104.7	115.0	115.0
70°	2289.9	1716.6	283.2	147.6	85.8	84.1	101.3	130.5	106.4	127.0	125.3
72.5°	2164.6	1529.5	235.2	145.9	92.7	87.5	115.0	133.9	108.1	144.2	142.5
75°	1900.3	1261.7	204.3	130.5	84.1	89.3	120.2	137.3	109.9	151.1	147.6
77.5°	1498.6	920.1	173.4	109.9	73.8	85.8	123.6	140.8	113.3	159.6	157.9
80°	726.1	461.8	140.8	92.7	66.9	82.4	123.6	139.0	111.6	164.8	164.8
82.5°	327.9	230.0	96.1	63.5	66.9	84.1	127.0	140.8	111.6	161.4	159.6
85°	212.9	157.9	61.8	49.8	66.9	96.1	128.7	133.9	106.4	149.3	149.3
87.5°	159.6	109.9	32.6	30.9	73.8	104.7	128.7	123.6	103.0	140.8	137.3
90°	163.1	116.7	34.3	30.9	79.0	106.4	128.7	121.9	99.6	127.0	127.0
92.5°	176.8	128.7	39.5	34.3	80.7	96.1	121.9	109.9	92.7	109.9	108.1
95°	192.3	144.2	46.3	39.5	70.4	70.4	96.1	89.3	79.0	84.1	84.1
97.5°	140.8	103.0	41.2	42.9	53.2	44.6	63.5	60.1	41.2	37.8	36.0
100°	41.2	34.3	37.8	41.2	37.8	32.6	48.1	46.3	27.5	13.7	13.7
102.5°	15.4	17.2	34.3	37.8	29.2	24.0	34.3	37.8	22.3	3.4	5.1
105°	13.7	12.0	24.0	29.2	17.2	13.7	17.2	24.0	13.7	3.4	3.4
107.5°	15.4	12.0	12.0	15.4	6.9	6.9	6.9	8.6	5.1	3.4	3.4
110°	15.4	12.0	6.9	6.9	5.1	5.1	5.1	3.4	3.4	3.4	3.4



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CATALOG NUMBER: SDL-PA1-50-722-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.4	12.0	6.9	6.9	5.1	5.1	3.4	3.4	5.1	8.6	8.6
115°	17.2	13.7	6.9	5.1	3.4	5.1	3.4	1.7	5.1	12.0	12.0
117.5°	20.6	15.4	5.1	5.1	3.4	3.4	3.4	1.7	5.1	15.4	17.2
120°	25.7	18.9	6.9	3.4	3.4	3.4	3.4	1.7	6.9	17.2	18.9
122.5°	25.7	20.6	6.9	3.4	3.4	1.7	1.7	3.4	6.9	17.2	18.9
125°	24.0	18.9	6.9	3.4	3.4	1.7	1.7	1.7	8.6	17.2	18.9
127.5°	18.9	17.2	6.9	3.4	1.7	1.7	1.7	3.4	6.9	15.4	15.4
130°	15.4	13.7	5.1	3.4	1.7	1.7	1.7	1.7	6.9	12.0	13.7
132.5°	12.0	10.3	5.1	3.4	1.7	1.7	1.7	1.7	6.9	12.0	12.0
135°	8.6	8.6	3.4	1.7	1.7	1.7	1.7	1.7	5.1	8.6	10.3
137.5°	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	3.4	5.1	5.1
140°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	3.4	3.4
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	3.4
145°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	3.4	3.4
155°	5.1	5.1	5.1	3.4	1.7	0.0	0.0	0.0	1.7	1.7	3.4
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7
160°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
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)