

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: P560348

Luminaire Tested: **SDL-PA1-40-727-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-727-U-T4W-A
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3825.4 lumens
Efficiency: N/A
Efficacy: 97.1 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): 39.4
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

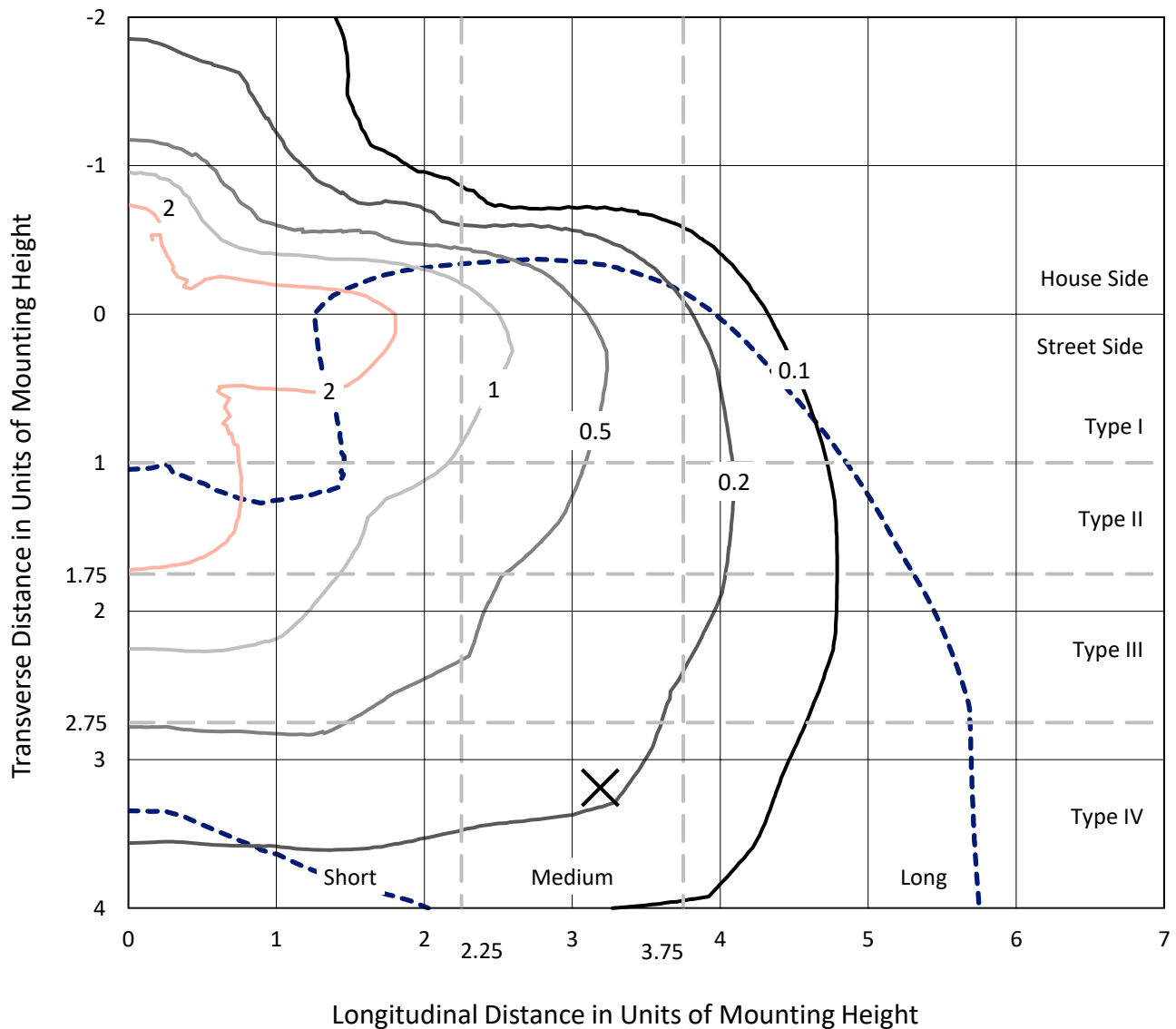


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

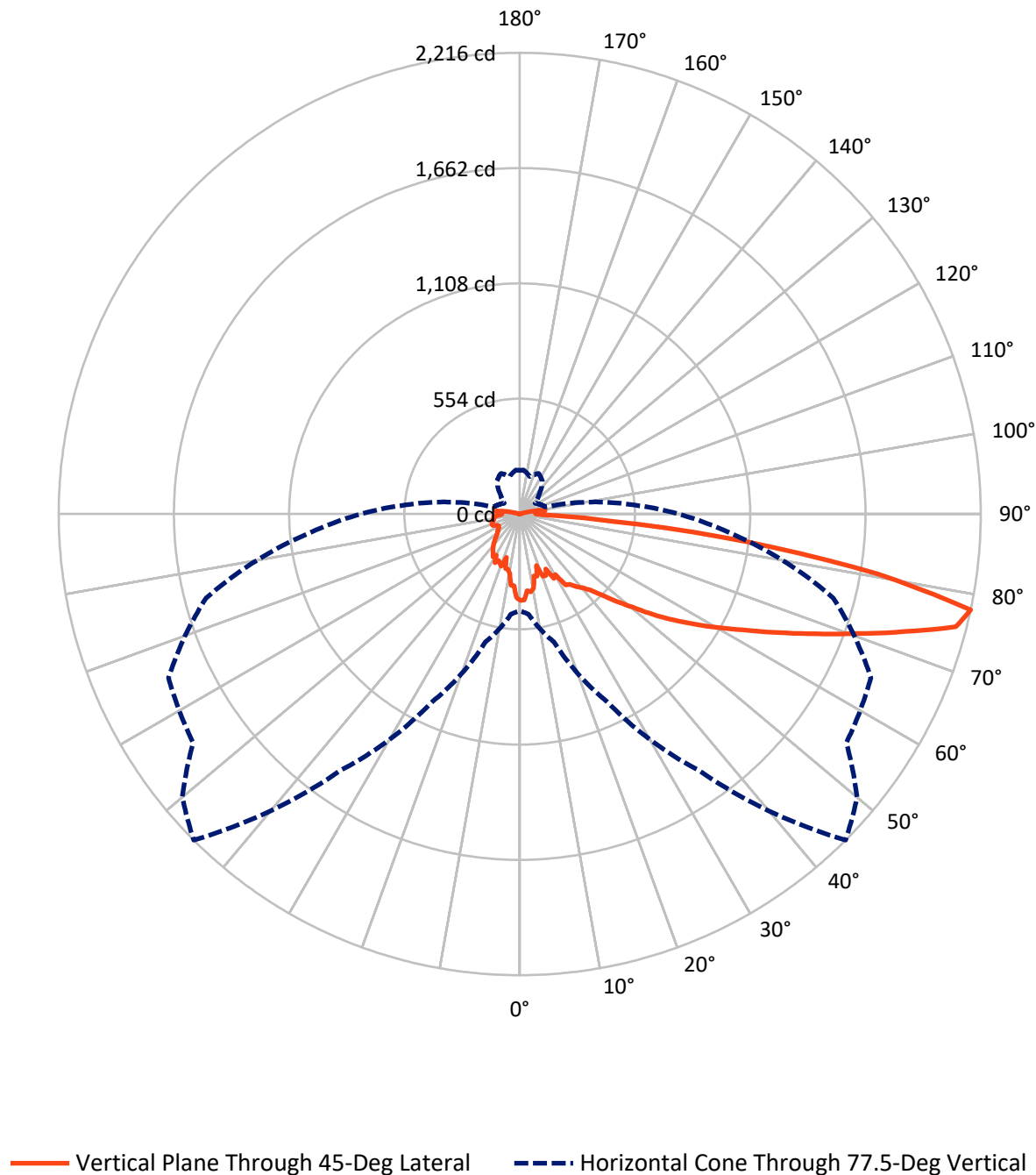


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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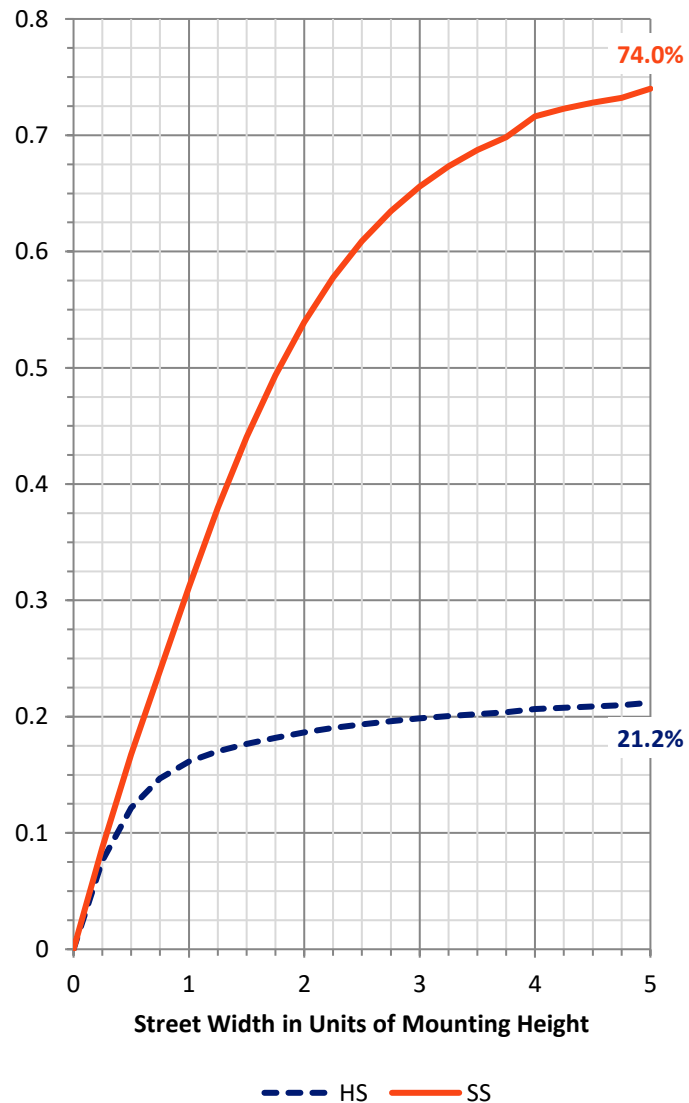
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	856.2	63.8	920.1
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	2853.7	51.6	2905.3
	% Fixture	74.6	1.3	75.9
Total	Lumens	3709.9	115.5	3825.4
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	0.9
10°-20°	85.5	2.2
20°-30°	147.9	3.9
30°-40°	262.1	6.9
40°-50°	406.4	10.6
50°-60°	654.2	17.1
60°-70°	962.0	25.1
70°-80°	926.3	24.2
80°-90°	231.0	6.0
90°-100°	86.1	2.3
100°-110°	19.1	0.5
110°-120°	4.1	0.1
120°-130°	3.4	0.1
130°-140°	1.5	0.0
140°-150°	0.6	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3709.9	97.0
0°-180°	3825.4	100.0

Coefficient of Utilization



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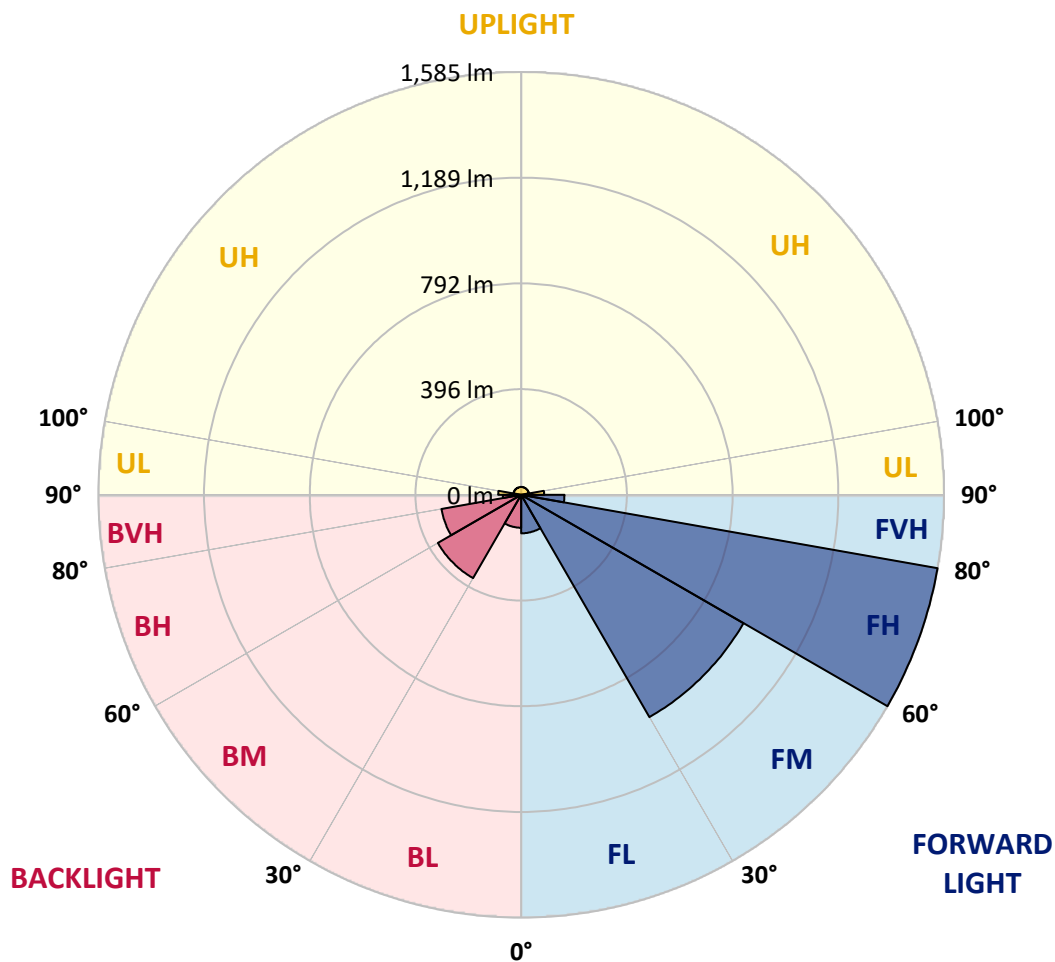
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.4	3.8			
FM	(30°-60°)	962.2	25.2			
FH	(60°-80°)	1584.9	41.4			G1/1800
FVH	(80°-90°)	162.2	4.2			G2/225
BL	(0°-30°)	123.6	3.2	B1/500		
BM	(30°-60°)	360.5	9.4	B1/1000		
BH	(60°-80°)	303.4	7.9	B1/500		G1/500
BVH	(80°-90°)	68.7	1.8			G1/100
UL	(90°-100°)	86.1	2.3		U3/500	
UH	(100°-180°)	29.3	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°	50°	55°	65°	75°	85°
0°	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3
2.5°	377.7	413.8	407.8	412.3	412.3	413.8	415.3	415.3	416.8	415.3	415.3
5°	385.2	383.7	380.7	377.7	374.7	370.2	370.2	370.2	406.3	409.3	406.3
7.5°	359.6	391.2	388.2	382.2	382.2	377.7	371.7	365.6	355.1	352.1	356.6
10°	406.3	404.8	400.2	391.2	358.1	364.1	326.5	294.9	282.9	290.4	310.0
12.5°	361.1	386.7	397.2	397.2	355.1	305.5	272.3	290.4	279.9	249.8	272.3
15°	425.8	422.8	410.8	391.2	311.5	310.0	291.9	255.8	260.3	282.9	303.9
17.5°	364.1	364.1	407.8	373.2	320.5	260.3	258.8	287.4	263.3	251.3	263.3
20°	439.4	437.9	424.3	310.0	323.5	319.0	263.3	293.4	251.3	288.9	316.0
22.5°	373.2	370.2	391.2	371.7	308.5	322.0	246.8	278.4	299.4	264.8	245.3
25°	439.4	442.4	436.4	331.0	350.6	291.9	297.9	317.5	275.4	335.5	349.1
27.5°	386.7	386.7	370.2	370.2	325.0	350.6	279.9	297.9	328.0	362.6	425.8
30°	474.0	475.5	464.9	356.6	359.6	337.0	325.0	346.1	394.2	471.0	499.6
32.5°	579.3	579.3	498.0	425.8	361.1	406.3	343.1	377.7	446.9	486.0	523.6
35°	645.5	638.0	601.9	478.5	389.7	415.3	388.2	401.7	463.4	520.6	547.7
37.5°	740.3	737.3	701.2	525.1	418.3	442.4	403.3	418.3	493.5	546.2	577.8
40°	871.2	856.2	824.6	606.4	452.9	466.5	421.3	439.4	529.6	579.3	616.9
42.5°	975.0	978.0	955.5	702.7	510.1	501.1	452.9	466.5	568.8	630.5	672.6
45°	1071.3	1068.3	1072.8	818.5	580.8	556.7	508.6	510.1	618.4	693.7	750.8
47.5°	1137.5	1136.0	1146.6	926.9	671.1	627.5	570.3	564.3	675.6	802.0	857.7
50°	1217.3	1212.8	1206.8	1042.7	773.4	704.2	651.5	630.5	749.3	923.9	993.1
52.5°	1315.1	1304.6	1285.0	1133.0	886.3	802.0	743.3	714.7	848.6	1060.8	1149.6
55°	1408.4	1393.3	1376.8	1233.8	990.1	899.8	836.6	820.1	978.0	1202.2	1316.6
57.5°	1500.2	1492.6	1479.1	1367.8	1122.5	1002.1	931.4	928.4	1128.5	1339.2	1495.7
60°	1585.9	1573.9	1592.0	1512.2	1245.9	1110.5	1035.2	1057.8	1294.0	1476.1	1694.3
62.5°	1638.6	1634.1	1673.2	1644.6	1360.2	1230.8	1154.1	1193.2	1453.5	1610.0	1870.3
65°	1560.4	1572.4	1727.4	1727.4	1492.6	1373.8	1298.5	1322.6	1604.0	1745.4	2031.3
67.5°	1417.4	1434.0	1644.6	1774.0	1611.5	1534.8	1456.5	1470.1	1737.9	1855.3	2162.2
70°	1295.5	1307.6	1503.2	1777.0	1686.7	1721.4	1608.5	1596.5	1841.7	1947.1	2210.4
72.5°	1188.7	1205.2	1366.3	1759.0	1760.5	1933.5	1789.1	1716.8	1936.5	1981.7	2056.9
75°	941.9	934.4	1116.5	1546.8	1784.6	2165.2	2001.2	1850.8	1983.2	1862.8	1613.0
77.5°	463.4	483.0	636.5	996.1	1506.2	2216.4	2117.1	1917.0	1862.8	1560.4	1006.6
80°	136.9	141.4	177.6	356.6	865.2	1745.4	1748.4	1585.9	1400.9	911.8	454.4
82.5°	76.7	78.2	102.3	155.0	355.1	1105.9	1151.1	952.5	619.9	337.0	227.2
85°	40.6	42.1	52.7	81.3	180.6	440.9	468.0	364.1	299.4	219.7	167.0
87.5°	19.6	19.6	18.1	27.1	66.2	106.8	118.9	135.4	120.4	112.9	138.4
90°	16.6	16.6	13.5	15.0	36.1	76.7	93.3	103.8	94.8	103.8	152.0
92.5°	18.1	18.1	13.5	15.0	39.1	85.8	102.3	115.9	100.8	111.3	168.5
95°	16.6	18.1	12.0	13.5	39.1	105.3	123.4	126.4	103.8	121.9	180.6
97.5°	13.5	13.5	9.0	10.5	34.6	123.4	135.4	130.9	91.8	93.3	144.4
100°	10.5	10.5	6.0	9.0	24.1	99.3	115.9	109.8	60.2	15.0	36.1
102.5°	9.0	9.0	4.5	7.5	10.5	48.1	61.7	60.2	36.1	9.0	7.5
105°	9.0	9.0	4.5	6.0	6.0	13.5	21.1	27.1	15.0	4.5	7.5
107.5°	9.0	9.0	4.5	3.0	3.0	6.0	7.5	7.5	7.5	4.5	9.0
110°	10.5	10.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	9.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	9.0	9.0	3.0	3.0	1.5	3.0	3.0	3.0	3.0	4.5	9.0
115°	7.5	7.5	1.5	3.0	1.5	1.5	3.0	1.5	3.0	3.0	7.5
117.5°	7.5	6.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	9.0
120°	7.5	7.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	6.0	10.5
122.5°	7.5	7.5	3.0	1.5	0.0	1.5	1.5	1.5	3.0	6.0	12.0
125°	9.0	7.5	3.0	1.5	0.0	0.0	1.5	1.5	1.5	6.0	10.5
127.5°	7.5	6.0	3.0	1.5	0.0	0.0	1.5	1.5	1.5	4.5	9.0
130°	7.5	6.0	3.0	0.0	0.0	0.0	1.5	1.5	1.5	4.5	7.5
132.5°	6.0	4.5	3.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0	6.0
135°	4.5	4.5	1.5	0.0	1.5	0.0	1.5	1.5	1.5	1.5	4.5
137.5°	3.0	3.0	1.5	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
140°	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
142.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5
145°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	4.5	4.5	4.5	3.0	1.5	1.5	1.5	3.0	1.5	1.5	1.5
152.5°	4.5	4.5	4.5	3.0	0.0	0.0	1.5	1.5	3.0	1.5	1.5
155°	3.0	3.0	3.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0	3.0
157.5°	1.5	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
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°	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3
2.5°	413.8	412.3	410.8	409.3	406.3	403.3	395.7	364.1	364.1	365.6	365.6
5°	406.3	404.8	400.2	371.7	355.1	346.1	349.1	349.1	349.1	350.6	353.6
7.5°	355.1	353.6	332.5	331.0	337.0	344.6	349.1	341.6	326.5	326.5	326.5
10°	310.0	308.5	270.8	263.3	270.8	288.9	335.5	344.6	350.6	352.1	355.1
12.5°	270.8	266.3	233.2	257.3	240.7	270.8	313.0	347.6	316.0	310.0	310.0
15°	300.9	299.4	260.3	225.7	227.2	270.8	248.3	326.5	344.6	347.6	349.1
17.5°	263.3	260.3	239.2	237.7	251.3	218.2	275.4	311.5	296.4	300.9	300.9
20°	314.5	313.0	273.9	227.2	224.2	266.3	243.8	282.9	337.0	347.6	349.1
22.5°	243.8	243.8	251.3	266.3	242.3	254.3	260.3	299.4	288.9	294.9	313.0
25°	346.1	343.1	303.9	239.2	260.3	245.3	272.3	284.4	334.0	346.1	349.1
27.5°	419.8	412.3	326.5	269.3	234.7	263.3	261.8	275.4	282.9	329.5	335.5
30°	495.0	487.5	419.8	302.4	243.8	227.2	249.8	294.9	340.1	347.6	353.6
32.5°	522.1	516.1	428.8	320.5	245.3	242.3	248.3	294.9	373.2	403.3	409.3
35°	550.7	543.2	437.9	313.0	239.2	225.7	234.7	303.9	371.7	391.2	395.7
37.5°	585.3	571.8	448.4	297.9	222.7	213.7	224.2	276.9	353.6	373.2	376.2
40°	629.0	615.4	461.9	281.4	206.1	198.6	204.6	257.3	310.0	326.5	334.0
42.5°	695.2	669.6	468.0	267.8	191.1	183.6	189.6	231.7	272.3	282.9	287.4
45°	780.9	735.8	477.0	249.8	177.6	167.0	176.0	212.2	231.7	231.7	231.7
47.5°	886.3	814.0	481.5	234.7	161.0	152.0	161.0	192.6	203.1	197.1	195.6
50°	1015.7	913.3	504.1	216.7	147.5	139.9	155.0	170.0	174.5	177.6	177.6
52.5°	1167.6	1027.7	517.6	198.6	138.4	133.9	149.0	159.5	161.0	164.0	164.0
55°	1333.1	1152.6	525.1	182.1	132.4	126.4	142.9	153.5	153.5	156.5	156.5
57.5°	1504.7	1297.0	544.7	170.0	126.4	120.4	136.9	155.0	149.0	155.0	156.5
60°	1685.2	1431.0	528.1	158.0	117.4	115.9	138.4	165.5	164.0	171.5	173.0
62.5°	1855.3	1537.8	454.4	147.5	111.3	117.4	155.0	186.6	182.1	194.1	194.1
65°	1951.6	1573.9	334.0	141.4	106.8	126.4	171.5	207.6	192.6	198.6	195.6
67.5°	1972.6	1537.8	240.7	133.9	105.3	141.4	183.6	212.2	191.1	197.1	197.1
70°	1923.0	1453.5	194.1	127.9	103.8	142.9	186.6	212.2	192.6	206.1	203.1
72.5°	1698.8	1236.8	165.5	121.9	103.8	139.9	191.1	213.7	197.1	219.7	215.2
75°	1280.5	925.4	146.0	115.9	97.8	135.4	194.1	215.2	191.1	215.2	212.2
77.5°	761.4	528.1	129.4	108.3	90.3	130.9	191.1	215.2	186.6	212.2	209.2
80°	322.0	248.3	109.8	94.8	82.8	124.9	188.1	213.7	179.1	206.1	201.6
82.5°	203.1	168.5	93.3	78.2	81.3	123.4	189.6	210.7	176.0	207.6	192.6
85°	164.0	138.4	79.7	66.2	75.2	126.4	182.1	191.1	152.0	179.1	174.5
87.5°	138.4	115.9	36.1	28.6	55.7	97.8	138.4	142.9	109.8	139.9	133.9
90°	152.0	126.4	34.6	24.1	49.7	85.8	127.9	124.9	105.3	133.9	132.4
92.5°	165.5	133.9	33.1	25.6	55.7	93.3	139.9	126.4	111.3	135.4	133.9
95°	171.5	136.9	31.6	27.1	66.2	102.3	149.0	123.4	117.4	124.9	123.4
97.5°	129.4	99.3	30.1	28.6	69.2	115.9	139.9	103.8	76.7	76.7	75.2
100°	33.1	33.1	27.1	27.1	46.6	84.3	106.8	76.7	43.6	33.1	34.6
102.5°	9.0	10.5	24.1	25.6	25.6	37.6	60.2	49.7	28.6	4.5	4.5
105°	9.0	9.0	16.6	19.6	13.5	12.0	24.1	27.1	21.1	3.0	4.5
107.5°	9.0	9.0	7.5	10.5	4.5	6.0	6.0	7.5	7.5	3.0	3.0
110°	10.5	9.0	4.5	4.5	3.0	3.0	3.0	3.0	3.0	6.0	6.0



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CATALOG NUMBER: SDL-PA1-40-727-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.5	9.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0	7.5	7.5
115°	9.0	7.5	4.5	3.0	3.0	3.0	3.0	1.5	3.0	9.0	9.0
117.5°	10.5	9.0	4.5	3.0	1.5	3.0	3.0	1.5	3.0	10.5	10.5
120°	12.0	10.5	4.5	3.0	1.5	1.5	1.5	1.5	4.5	10.5	10.5
122.5°	12.0	12.0	6.0	1.5	1.5	1.5	1.5	1.5	4.5	10.5	10.5
125°	12.0	10.5	4.5	1.5	1.5	1.5	0.0	1.5	4.5	10.5	12.0
127.5°	9.0	9.0	4.5	1.5	1.5	1.5	0.0	1.5	4.5	9.0	10.5
130°	7.5	7.5	3.0	1.5	1.5	1.5	0.0	1.5	4.5	9.0	9.0
132.5°	6.0	6.0	3.0	1.5	1.5	0.0	0.0	0.0	4.5	7.5	7.5
135°	4.5	4.5	1.5	1.5	1.5	0.0	0.0	0.0	3.0	6.0	6.0
137.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	1.5	3.0	3.0
140°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5
145°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5
147.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5
150°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	1.5	3.0	1.5	3.0
152.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	1.5	3.0	3.0	3.0
155°	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0	1.5	3.0	3.0
157.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.5	1.5	1.5	1.5	0.0	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)