

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: P560340

Luminaire Tested: **SDL-PA1-40-727-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560340
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-PA1-40-727-U-T2U-A
Description: Springdale
(1) 70 CRI, 2700K, 500mA 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: 3941.3 lumens
Efficiency: N/A
Efficacy: 100.0 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: B1 - U3 - G1

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



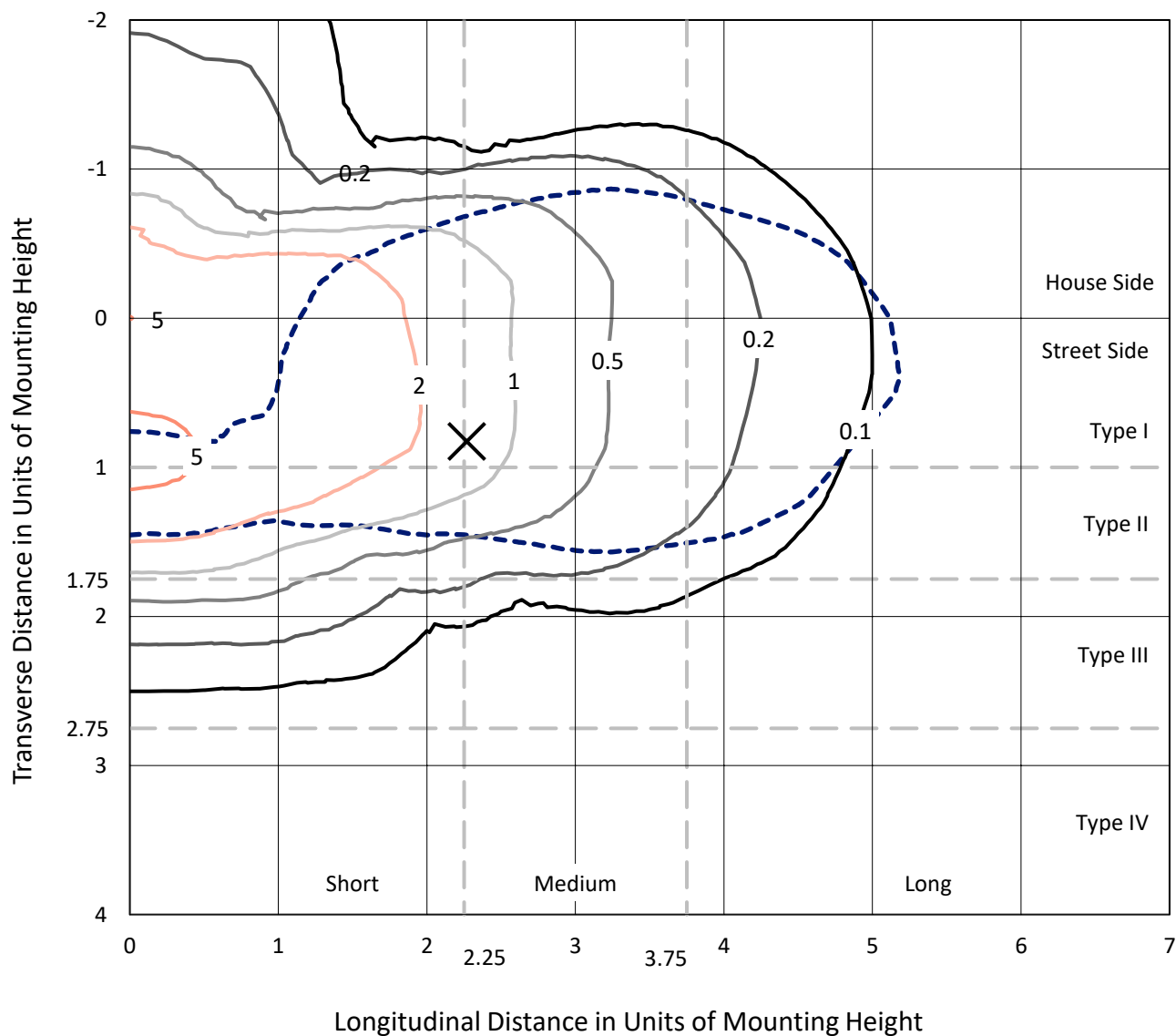
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

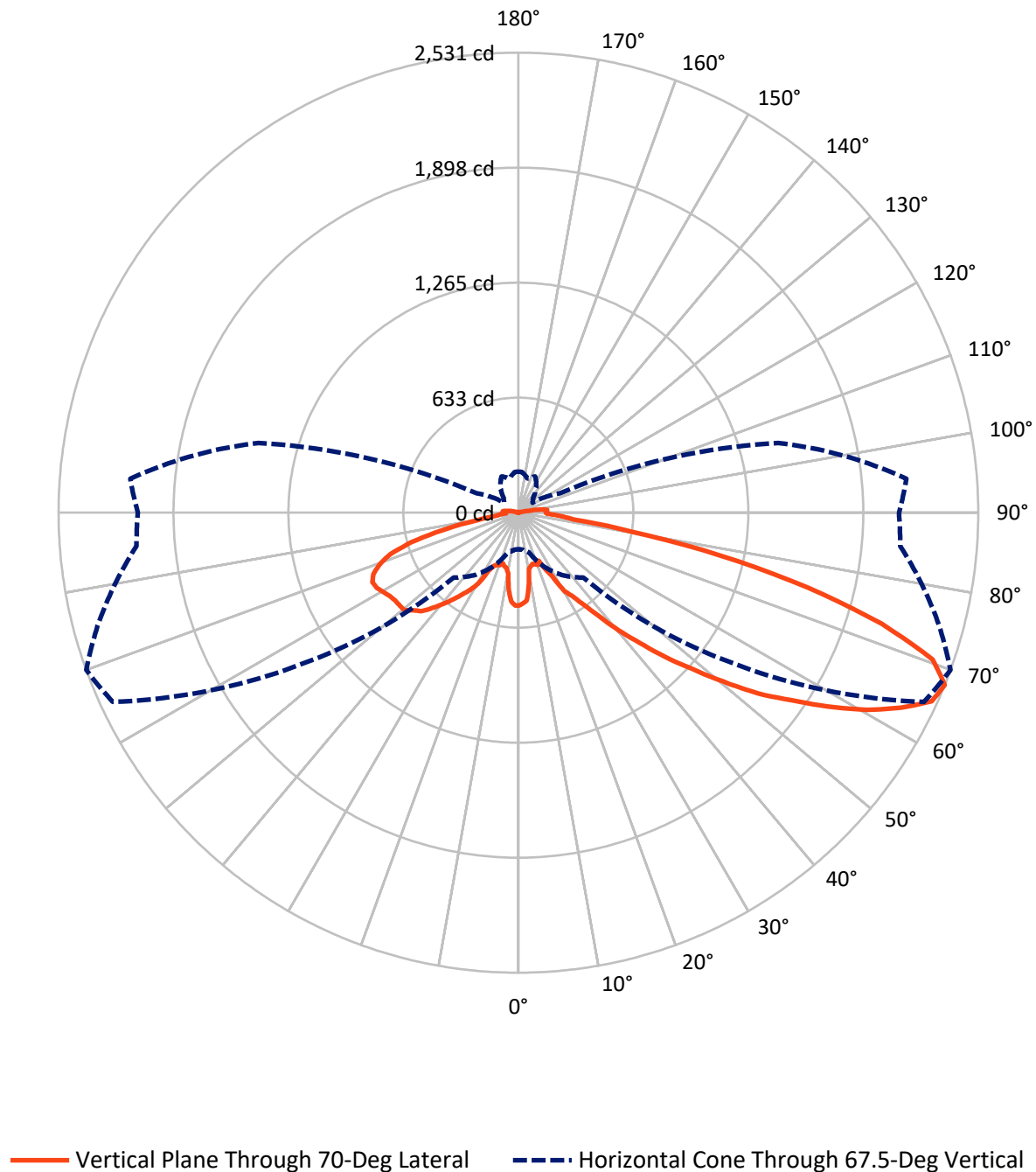


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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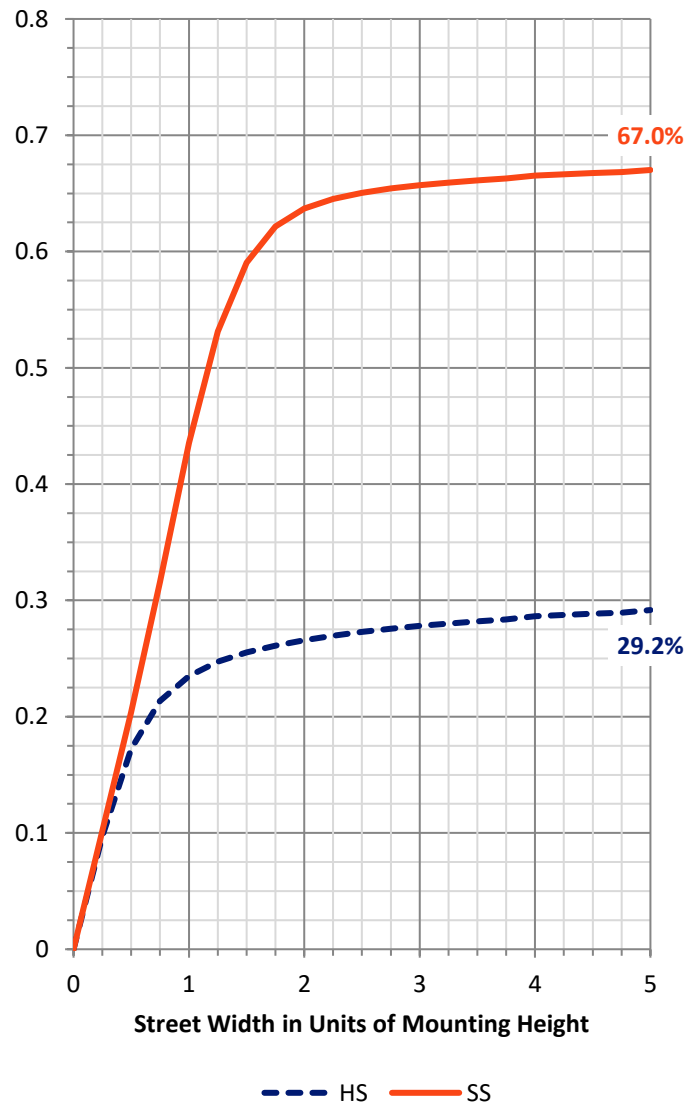
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1185.4	46.5	1231.9
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	2664.4	44.9	2709.3
	% Fixture	67.6	1.1	68.7
Total	Lumens	3849.9	91.4	3941.3
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	1.0
10°-20°	94.6	2.4
20°-30°	167.7	4.3
30°-40°	353.5	9.0
40°-50°	660.8	16.8
50°-60°	915.2	23.2
60°-70°	882.5	22.4
70°-80°	580.2	14.7
80°-90°	154.6	3.9
90°-100°	63.4	1.6
100°-110°	13.8	0.4
110°-120°	6.0	0.2
120°-130°	4.3	0.1
130°-140°	1.9	0.0
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3849.9	97.7
0°-180°	3941.3	100.0

Coefficient of Utilization



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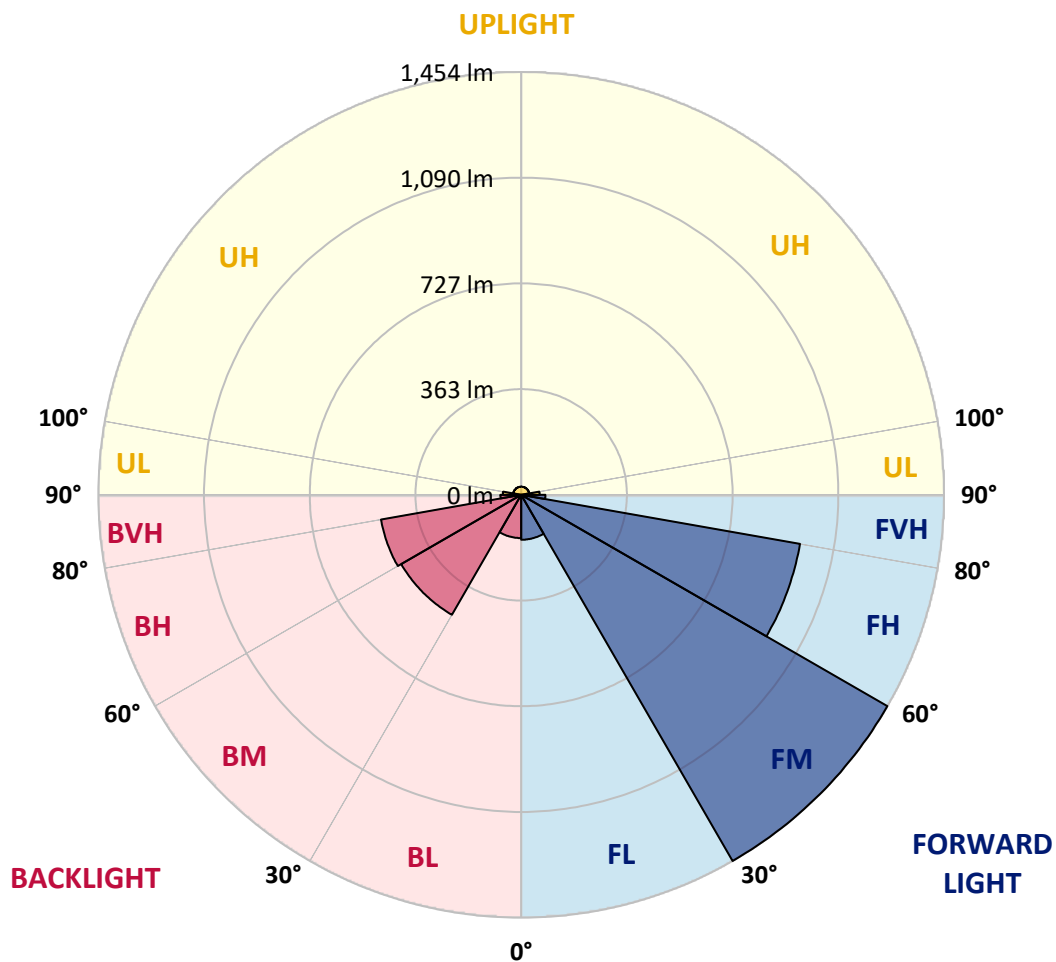
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.4	3.9			
FM	(30°-60°)	1453.5	36.9			
FH	(60°-80°)	973.3	24.7			G1/1800
FVH	(80°-90°)	83.2	2.1			G1/100
BL	(0°-30°)	148.7	3.8	B1/500		
BM	(30°-60°)	475.9	12.1	B1/1000		
BH	(60°-80°)	489.4	12.4	B1/500		G1/500
BVH	(80°-90°)	71.4	1.8			G1/100
UL	(90°-100°)	63.4	1.6		U3/500	
UH	(100°-180°)	28.0	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1
2.5°	425.8	460.4	449.9	483.0	490.5	498.0	499.5	501.0	499.5	501.0	504.1
5°	401.7	403.2	404.7	407.8	407.8	410.8	416.8	480.0	486.0	490.5	496.5
7.5°	335.5	350.6	379.2	389.7	394.2	400.2	403.2	403.2	409.3	424.3	434.8
10°	373.1	370.1	371.6	373.1	352.1	347.6	316.0	311.5	316.0	326.5	376.2
12.5°	313.0	328.0	359.6	367.1	341.6	302.4	297.9	303.9	302.4	272.3	319.0
15°	362.6	361.1	358.1	352.1	285.9	299.4	257.3	260.3	291.9	313.0	356.6
17.5°	316.0	314.5	356.6	344.6	300.9	233.2	293.4	272.3	297.9	275.3	294.9
20°	392.7	391.2	386.7	287.4	306.9	310.0	284.4	263.3	306.9	317.5	358.1
22.5°	356.6	356.6	385.2	377.7	311.5	328.0	270.8	320.5	287.4	291.9	270.8
25°	490.5	486.0	480.0	350.6	374.7	300.9	335.5	294.9	343.1	371.6	389.7
27.5°	475.5	466.4	460.4	464.9	376.2	394.2	332.5	367.1	395.7	407.8	454.4
30°	668.1	656.0	638.0	487.5	467.9	403.2	401.7	454.4	501.0	538.7	564.2
32.5°	851.6	854.6	761.3	654.5	517.6	538.7	478.5	532.6	547.7	586.8	601.9
35°	1092.4	1062.3	1003.6	817.0	630.4	609.4	556.7	607.9	622.9	660.5	669.6
37.5°	1281.9	1283.5	1193.2	982.5	755.3	737.3	645.5	698.2	725.2	767.4	752.3
40°	1464.0	1471.5	1399.3	1152.5	913.3	863.7	752.3	814.0	851.6	877.2	851.6
42.5°	1626.5	1625.0	1575.4	1340.6	1060.8	1032.2	865.2	944.9	978.0	1002.1	982.5
45°	1754.4	1749.9	1704.8	1494.1	1235.3	1274.4	1012.6	1095.4	1130.0	1157.1	1108.9
47.5°	1798.0	1774.0	1754.4	1605.4	1397.8	1488.1	1194.7	1241.3	1281.9	1328.6	1250.4
50°	1751.4	1719.8	1727.3	1658.1	1534.7	1667.1	1390.3	1409.8	1459.5	1500.1	1384.3
52.5°	1557.3	1549.8	1591.9	1605.4	1593.4	1804.1	1610.0	1554.3	1652.1	1656.6	1522.7
55°	1301.5	1292.5	1391.8	1447.5	1537.7	1858.2	1796.5	1757.4	1820.6	1813.1	1646.1
57.5°	1048.7	1042.7	1133.0	1224.8	1381.3	1828.1	1927.4	1980.1	2011.7	1969.6	1760.4
60°	702.7	714.7	869.7	993.1	1130.0	1647.6	1977.1	2187.7	2202.8	2112.5	1880.8
62.5°	448.4	464.9	564.2	765.9	844.1	1337.6	1941.0	2372.8	2363.8	2241.9	1992.1
65°	287.4	293.4	341.6	519.1	604.9	886.2	1780.0	2499.2	2500.7	2357.8	2080.9
67.5°	201.6	203.1	225.7	323.5	418.3	504.1	1447.5	2463.1	2530.8	2396.9	2109.5
70°	180.6	182.1	188.1	219.7	317.5	313.0	877.2	2201.3	2419.5	2345.7	2065.9
72.5°	161.0	162.5	173.0	191.1	243.8	245.3	419.8	1752.9	2091.4	2163.7	1936.5
75°	133.9	136.9	149.0	179.1	188.1	206.1	281.4	1232.3	1646.1	1864.2	1783.0
77.5°	112.8	114.4	123.4	152.0	164.0	167.0	240.7	683.1	1137.5	1372.2	1570.8
80°	90.3	90.3	97.8	120.4	135.4	136.9	215.2	361.1	630.4	830.6	1092.4
82.5°	58.7	60.2	69.2	90.3	100.8	135.4	191.1	263.3	308.5	400.2	496.5
85°	37.6	37.6	43.6	51.2	60.2	103.8	168.5	218.2	230.2	251.3	225.7
87.5°	18.1	18.1	16.6	19.6	22.6	39.1	117.4	155.0	156.5	153.5	165.5
90°	15.0	15.0	12.0	13.5	15.0	21.1	88.8	152.0	150.5	156.5	171.5
92.5°	16.6	16.6	12.0	13.5	15.0	18.1	64.7	153.5	158.0	165.5	182.1
95°	18.1	18.1	12.0	12.0	13.5	16.6	40.6	132.4	159.5	167.0	188.1
97.5°	16.6	16.6	9.0	10.5	12.0	15.0	25.6	99.3	124.9	130.9	149.0
100°	15.0	15.0	7.5	9.0	10.5	12.0	16.6	51.2	54.2	40.6	57.2
102.5°	13.5	15.0	6.0	7.5	7.5	7.5	10.5	24.1	24.1	13.5	15.0
105°	13.5	15.0	6.0	6.0	4.5	6.0	6.0	9.0	10.5	7.5	12.0
107.5°	15.0	15.0	6.0	6.0	4.5	4.5	4.5	6.0	7.5	6.0	12.0
110°	13.5	13.5	4.5	6.0	3.0	3.0	3.0	4.5	6.0	6.0	13.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.0	9.0	4.5	6.0	3.0	3.0	3.0	4.5	6.0	7.5	16.6
115°	7.5	6.0	3.0	4.5	3.0	3.0	3.0	4.5	4.5	6.0	13.5
117.5°	7.5	6.0	3.0	3.0	1.5	3.0	3.0	4.5	4.5	6.0	12.0
120°	7.5	7.5	3.0	1.5	1.5	1.5	1.5	3.0	4.5	7.5	13.5
122.5°	9.0	7.5	3.0	3.0	1.5	1.5	1.5	3.0	4.5	7.5	13.5
125°	9.0	9.0	4.5	3.0	1.5	1.5	1.5	3.0	4.5	6.0	12.0
127.5°	9.0	7.5	4.5	3.0	1.5	1.5	1.5	1.5	3.0	4.5	10.5
130°	7.5	7.5	4.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	7.5
132.5°	6.0	6.0	4.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	6.0
135°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
137.5°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
140°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5
150°	3.0	3.0	6.0	4.5	3.0	1.5	3.0	1.5	1.5	1.5	1.5
152.5°	4.5	4.5	6.0	4.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5
155°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5
157.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	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°	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1
2.5°	505.6	505.6	510.1	511.6	510.1	508.6	499.5	472.5	455.9	457.4	457.4
5°	498.0	499.5	504.1	477.0	443.9	446.9	451.4	452.9	452.9	455.9	455.9
7.5°	439.4	440.9	428.8	433.3	443.9	451.4	454.4	446.9	422.8	413.8	413.8
10°	380.7	380.7	338.5	340.0	352.1	374.7	445.4	452.9	460.4	461.9	460.4
12.5°	322.0	323.5	288.9	332.5	317.5	358.1	410.8	454.4	419.8	385.2	389.7
15°	359.6	362.6	325.0	285.9	293.4	353.6	306.9	421.3	424.3	424.3	424.3
17.5°	288.9	305.4	287.4	294.9	325.0	266.3	347.6	385.2	353.6	344.6	344.6
20°	359.6	359.6	328.0	284.4	300.9	346.1	308.5	343.1	403.2	403.2	401.7
22.5°	267.8	267.8	287.4	329.5	302.4	341.6	326.5	355.1	320.5	320.5	329.5
25°	386.7	382.2	349.1	291.9	344.6	316.0	328.0	310.0	362.6	367.1	364.1
27.5°	466.4	463.4	374.7	335.5	323.5	337.0	294.9	288.9	278.4	320.5	316.0
30°	552.2	544.7	490.5	404.7	355.1	284.4	266.3	276.9	306.9	308.5	306.9
32.5°	592.8	576.3	516.1	484.5	362.6	293.4	239.2	246.8	305.4	323.5	323.5
35°	648.5	630.4	562.7	528.1	361.1	258.8	212.2	239.2	275.3	276.9	276.9
37.5°	725.2	698.2	641.0	553.7	337.0	228.7	195.6	212.2	237.7	245.3	248.3
40°	814.0	779.4	728.2	570.3	302.4	192.6	174.5	195.6	215.2	209.1	209.1
42.5°	938.9	887.7	814.0	595.8	258.8	170.0	159.5	179.1	192.6	195.6	194.1
45°	1056.3	993.1	914.8	604.9	210.6	153.5	149.0	170.0	183.6	179.1	179.1
47.5°	1188.7	1108.9	990.0	583.8	173.0	144.4	149.0	164.0	170.0	177.5	177.5
50°	1319.6	1233.8	1099.9	550.7	153.5	138.4	149.0	158.0	170.0	174.5	173.0
52.5°	1438.4	1363.2	1166.1	492.0	142.9	133.9	144.4	158.0	173.0	180.6	180.6
55°	1567.8	1491.1	1226.3	439.4	133.9	124.9	149.0	164.0	168.5	173.0	173.0
57.5°	1665.6	1605.4	1292.5	392.7	127.9	124.9	152.0	171.5	170.0	174.5	174.5
60°	1784.5	1731.8	1352.7	370.1	118.9	118.9	158.0	185.1	173.0	186.6	186.6
62.5°	1910.9	1879.3	1411.3	353.6	109.8	115.9	159.5	195.6	179.1	200.1	201.6
65°	2032.8	2038.8	1465.5	314.5	102.3	115.9	162.5	209.1	185.1	212.2	215.2
67.5°	2094.5	2144.1	1480.6	252.8	94.8	114.4	171.5	219.7	194.1	224.2	225.7
70°	2082.4	2147.1	1446.0	186.6	88.8	120.4	185.1	228.7	198.6	239.2	239.2
72.5°	1977.1	2023.7	1343.6	141.4	82.8	115.9	188.1	231.7	201.6	263.3	263.3
75°	1828.1	1780.0	1105.9	117.4	78.2	115.9	183.6	228.7	198.6	257.3	255.8
77.5°	1585.9	1424.9	762.8	103.8	73.7	111.3	171.5	222.7	189.6	239.2	242.2
80°	1017.1	877.2	389.7	90.3	78.2	106.8	165.5	206.1	176.0	213.7	215.2
82.5°	463.4	389.7	177.5	79.7	76.7	96.3	150.5	183.6	153.5	182.1	180.6
85°	195.6	198.6	139.9	67.7	67.7	75.2	111.3	142.9	118.9	127.9	124.9
87.5°	152.0	145.9	96.3	40.6	43.6	33.1	72.2	102.3	78.2	82.8	81.3
90°	161.0	158.0	102.3	42.1	31.6	19.6	54.2	79.7	58.7	52.7	51.2
92.5°	171.5	170.0	114.4	45.1	31.6	16.6	46.6	64.7	42.1	36.1	34.6
95°	183.6	183.6	124.9	48.1	31.6	16.6	42.1	49.7	31.6	24.1	22.6
97.5°	145.9	149.0	106.8	49.7	30.1	16.6	37.6	40.6	24.1	13.5	13.5
100°	58.7	64.7	58.7	49.7	27.1	13.5	30.1	31.6	16.6	7.5	7.5
102.5°	13.5	16.6	40.6	43.6	21.1	9.0	19.6	19.6	10.5	4.5	4.5
105°	13.5	12.0	27.1	34.6	12.0	6.0	9.0	12.0	6.0	3.0	3.0
107.5°	13.5	13.5	12.0	16.6	6.0	4.5	4.5	4.5	3.0	3.0	3.0
110°	15.0	13.5	6.0	6.0	4.5	4.5	3.0	3.0	1.5	9.0	10.5



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CATALOG NUMBER: SDL-PA1-40-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.1	16.6	7.5	6.0	4.5	4.5	3.0	3.0	4.5	15.0	15.0
115°	15.0	13.5	7.5	4.5	4.5	4.5	3.0	1.5	4.5	16.6	16.6
117.5°	13.5	12.0	7.5	4.5	3.0	4.5	3.0	1.5	4.5	16.6	16.6
120°	15.0	13.5	7.5	4.5	3.0	3.0	3.0	1.5	4.5	15.0	15.0
122.5°	15.0	15.0	9.0	3.0	3.0	1.5	3.0	1.5	4.5	13.5	13.5
125°	13.5	12.0	7.5	3.0	1.5	1.5	1.5	1.5	6.0	12.0	13.5
127.5°	12.0	10.5	6.0	3.0	1.5	1.5	1.5	1.5	4.5	9.0	10.5
130°	9.0	9.0	4.5	3.0	1.5	1.5	1.5	1.5	4.5	9.0	7.5
132.5°	6.0	6.0	4.5	3.0	1.5	1.5	1.5	1.5	4.5	6.0	6.0
135°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.5	3.0	1.5	1.5	3.0	1.5	1.5	1.5
152.5°	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	4.5	4.5	3.0
155°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	0.0	1.5	0.0	0.0	1.5	0.0
160°	0.0	0.0	1.5	1.5	1.5	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)