

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: P560344

Luminaire Tested: **SDL-PA1-40-727-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560344
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-PA1-40-727-U-T3-A
Description: Springdale
(1) 70 CRI, 2700K, 500mA 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: 3882.5 lumens
Efficiency: N/A
Efficacy: 98.5 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

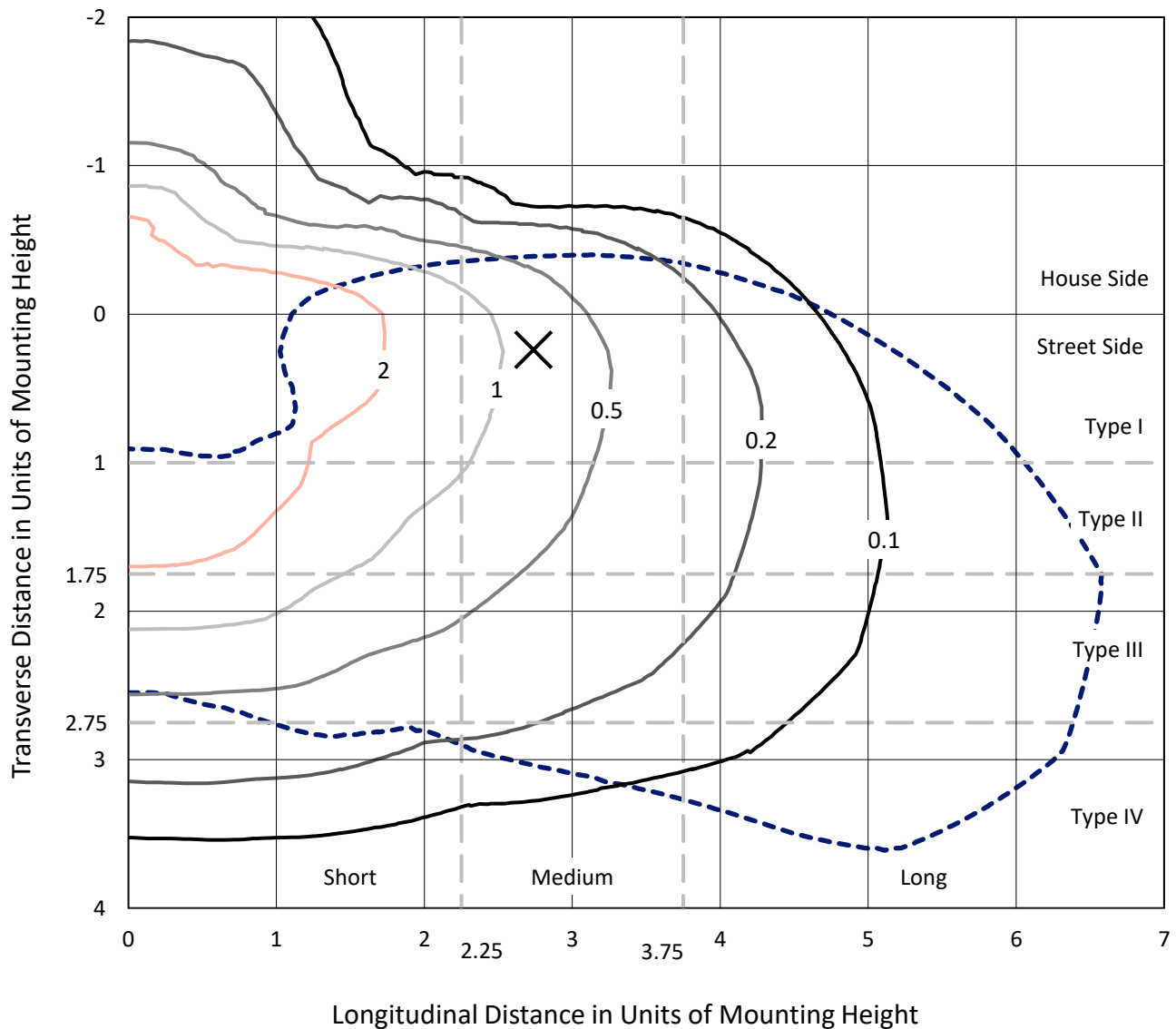


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

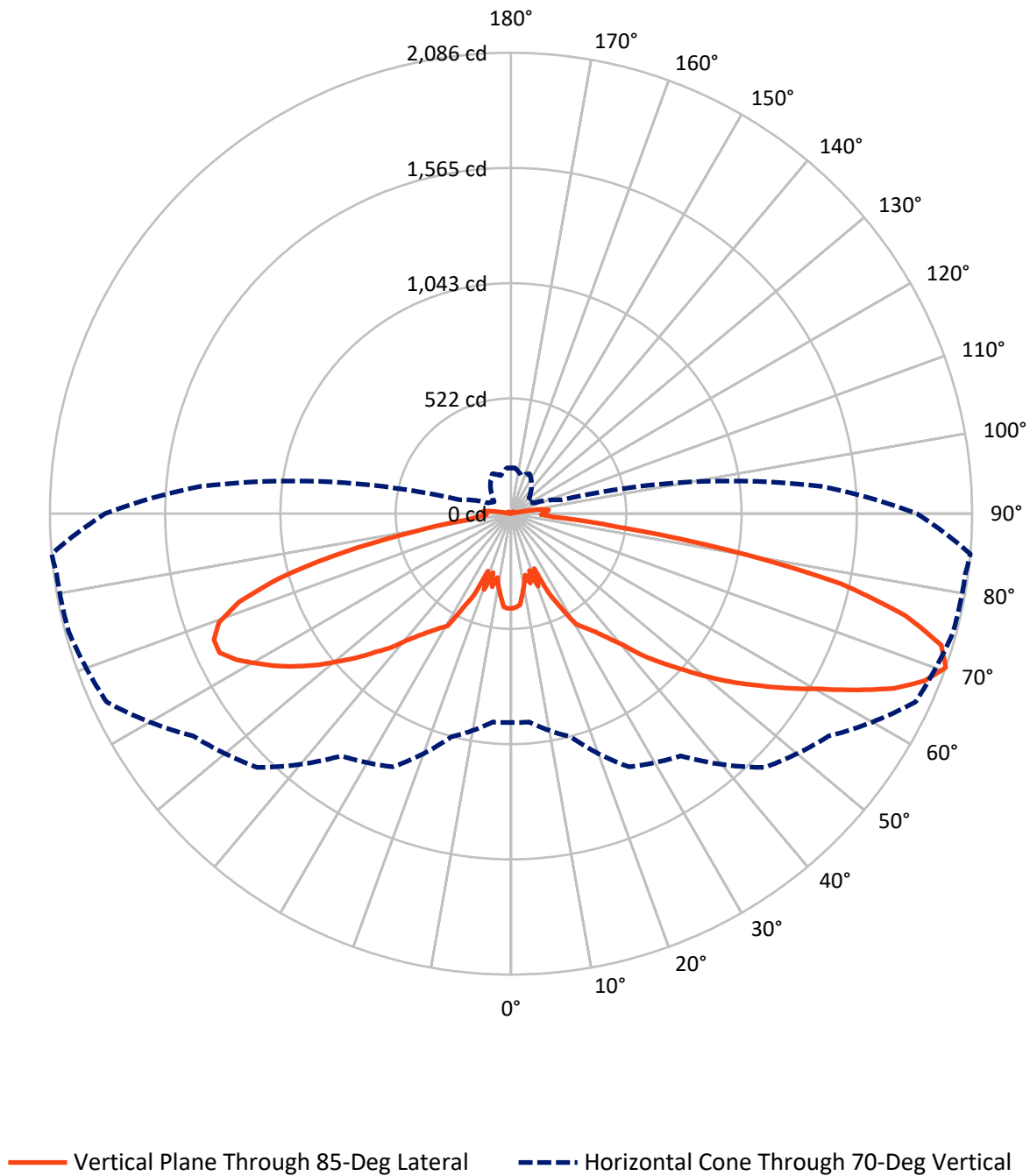


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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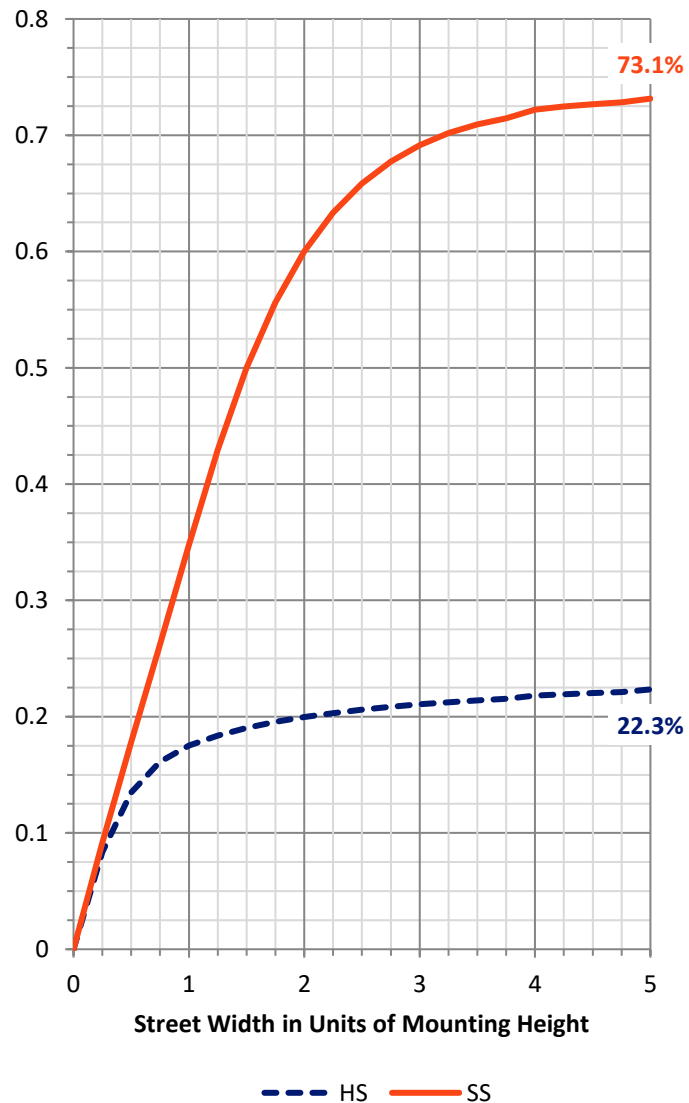
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	912.8	58.8	971.6
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	2861.3	49.6	2910.9
	% Fixture	73.7	1.3	75.0
Total	Lumens	3774.1	108.4	3882.5
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	0.9
10°-20°	85.7	2.2
20°-30°	156.0	4.0
30°-40°	295.0	7.6
40°-50°	493.0	12.7
50°-60°	769.4	19.8
60°-70°	954.2	24.6
70°-80°	779.6	20.1
80°-90°	206.3	5.3
90°-100°	78.3	2.0
100°-110°	16.7	0.4
110°-120°	5.4	0.1
120°-130°	4.2	0.1
130°-140°	2.0	0.1
140°-150°	0.9	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3774.1	97.2
0°-180°	3882.5	100.0

Coefficient of Utilization



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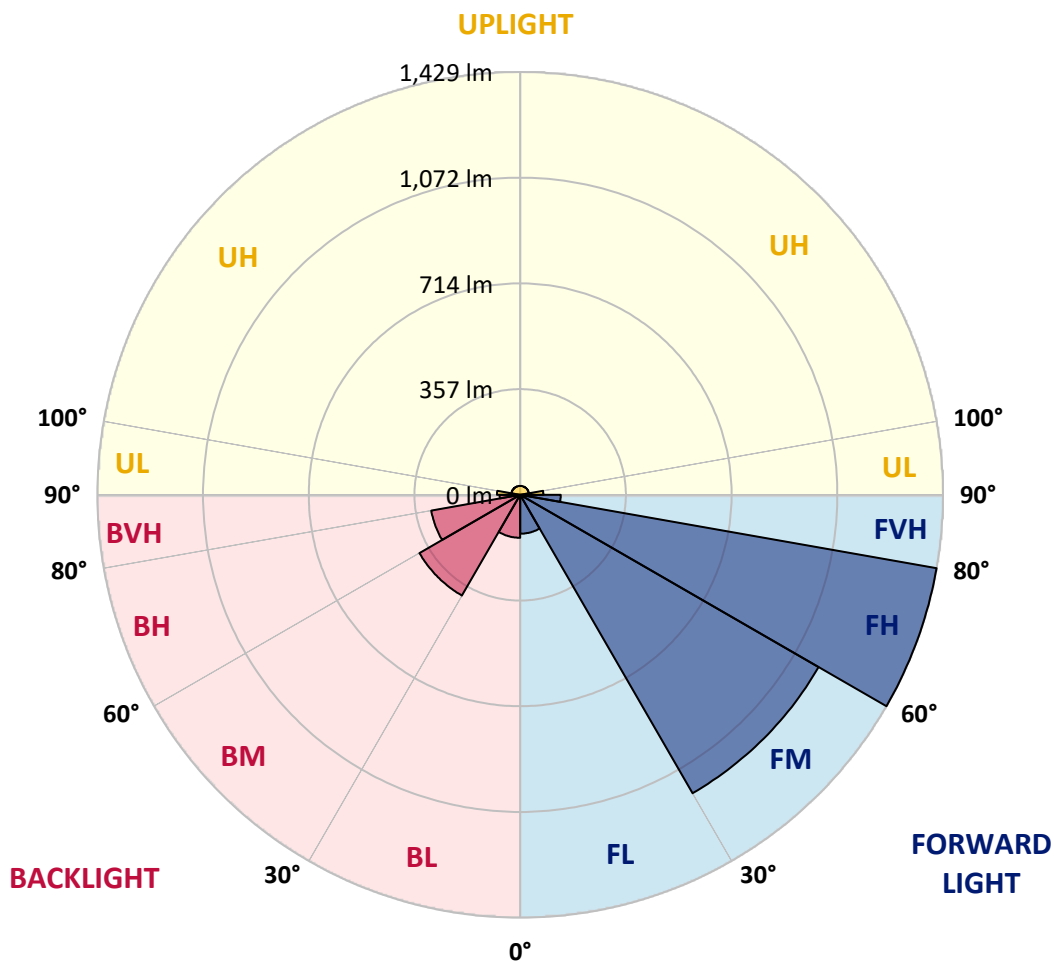
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.5	3.4			
FM	(30°-60°)	1164.2	30.0			
FH	(60°-80°)	1428.7	36.8			G1/1800
FVH	(80°-90°)	136.9	3.5			G2/225
BL	(0°-30°)	145.2	3.7	B1/500		
BM	(30°-60°)	393.2	10.1	B1/1000		
BH	(60°-80°)	305.0	7.9	B1/500		G1/500
BVH	(80°-90°)	69.4	1.8			G1/100
UL	(90°-100°)	78.3	2.0		U3/500	
UH	(100°-180°)	30.1	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°	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0
2.5°	355.2	389.8	383.8	394.4	400.4	409.4	415.4	418.4	421.4	424.5	424.5
5°	329.6	331.1	332.6	334.1	337.2	341.7	346.2	394.4	409.4	415.4	415.4
7.5°	301.0	299.5	305.5	313.1	323.6	329.6	334.1	335.6	352.2	365.8	368.8
10°	299.5	301.0	301.0	304.0	286.0	284.5	263.4	264.9	287.5	322.1	323.6
12.5°	260.4	267.9	284.5	296.5	278.5	249.9	245.3	257.4	240.8	283.0	284.5
15°	290.5	289.0	289.0	276.9	234.8	246.8	219.8	228.8	280.0	319.1	326.6
17.5°	252.9	249.9	280.0	270.9	243.8	206.2	246.8	243.8	252.9	275.4	270.9
20°	317.6	314.6	308.6	234.8	246.8	258.9	251.4	234.8	296.5	331.1	350.7
22.5°	296.5	299.5	314.6	298.0	254.4	266.4	237.8	289.0	280.0	266.4	269.4
25°	404.9	401.9	386.8	292.0	304.0	248.4	290.5	257.4	355.2	394.4	397.4
27.5°	373.3	368.8	358.2	367.3	308.6	325.1	283.0	337.2	392.8	462.1	483.2
30°	495.2	490.7	478.6	370.3	367.3	322.1	343.2	413.9	529.8	582.5	581.0
32.5°	638.2	605.1	531.3	474.1	392.8	418.4	392.8	487.7	564.4	615.6	615.6
35°	725.5	719.5	680.3	550.9	457.6	456.1	451.5	537.3	623.1	659.3	656.2
37.5°	799.2	809.8	781.2	638.2	516.3	528.3	505.7	605.1	695.4	716.5	713.4
40°	901.6	898.6	883.5	713.4	588.5	587.0	570.5	686.3	775.2	790.2	782.7
42.5°	1053.6	1037.1	991.9	814.3	665.3	665.3	635.2	763.1	873.0	874.5	879.0
45°	1240.2	1232.7	1152.9	970.8	764.6	763.1	713.4	844.4	972.3	979.9	966.3
47.5°	1369.7	1347.1	1308.0	1113.8	918.1	883.5	808.3	924.2	1091.2	1085.2	1058.1
50°	1497.6	1479.6	1443.4	1270.3	1077.7	1008.5	897.1	1006.9	1205.6	1189.1	1163.5
52.5°	1607.5	1583.4	1544.3	1398.3	1217.7	1163.5	999.4	1082.2	1321.5	1294.4	1270.3
55°	1670.7	1621.0	1624.1	1512.7	1323.0	1279.4	1113.8	1204.1	1434.4	1395.3	1375.7
57.5°	1592.5	1589.4	1639.1	1583.4	1419.4	1375.7	1235.7	1326.0	1551.8	1500.6	1491.6
60°	1514.2	1523.2	1594.0	1604.5	1494.6	1463.0	1341.1	1499.1	1666.2	1610.5	1610.5
62.5°	1405.8	1431.4	1530.7	1612.0	1502.1	1548.8	1451.0	1646.6	1791.1	1740.0	1756.5
65°	1282.4	1282.4	1396.8	1550.3	1478.1	1606.0	1572.9	1807.7	1901.0	1870.9	1905.5
67.5°	1113.8	1116.8	1235.7	1429.9	1434.4	1634.6	1670.7	1934.1	2015.4	1992.8	2018.4
70°	945.2	946.7	1046.1	1264.3	1338.1	1624.1	1755.0	2018.4	2071.1	2074.1	2086.1
72.5°	707.4	733.0	826.3	1026.5	1171.0	1580.4	1798.7	2042.5	2069.6	2074.1	2035.0
75°	380.8	392.8	496.7	668.3	870.0	1401.3	1785.1	2016.9	1997.3	1944.7	1842.3
77.5°	132.5	138.5	174.6	292.0	493.7	991.9	1655.7	1905.5	1842.3	1676.7	1526.2
80°	85.8	85.8	94.8	140.0	224.3	469.6	1285.4	1633.1	1484.1	1130.4	990.4
82.5°	60.2	61.7	69.2	93.3	144.5	201.7	668.3	829.3	817.3	562.9	474.1
85°	43.6	45.2	48.2	54.2	99.3	124.9	260.4	398.9	368.8	201.7	189.6
87.5°	19.6	22.6	19.6	24.1	39.1	76.8	124.9	123.4	117.4	134.0	137.0
90°	15.1	15.1	12.0	13.5	27.1	69.2	115.9	111.4	118.9	146.0	144.5
92.5°	15.1	15.1	12.0	13.5	25.6	69.2	121.9	108.4	123.4	156.5	158.0
95°	15.1	16.6	12.0	12.0	21.1	70.7	129.4	115.9	130.9	170.1	170.1
97.5°	13.5	13.5	9.0	10.5	16.6	64.7	129.4	99.3	96.3	137.0	135.5
100°	10.5	12.0	6.0	9.0	12.0	39.1	96.3	61.7	27.1	31.6	48.2
102.5°	10.5	10.5	6.0	7.5	9.0	16.6	51.2	36.1	7.5	10.5	10.5
105°	10.5	12.0	6.0	6.0	6.0	7.5	24.1	18.1	6.0	9.0	10.5
107.5°	12.0	12.0	4.5	4.5	4.5	4.5	9.0	7.5	6.0	10.5	12.0
110°	12.0	12.0	4.5	4.5	3.0	3.0	4.5	4.5	6.0	10.5	12.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	10.5	10.5	4.5	4.5	3.0	3.0	3.0	4.5	6.0	9.0	10.5
115°	7.5	7.5	3.0	4.5	3.0	3.0	3.0	4.5	4.5	7.5	9.0
117.5°	7.5	6.0	3.0	3.0	1.5	3.0	3.0	4.5	6.0	10.5	10.5
120°	7.5	7.5	3.0	1.5	1.5	1.5	1.5	3.0	7.5	12.0	13.5
122.5°	7.5	7.5	3.0	1.5	1.5	1.5	1.5	3.0	7.5	12.0	13.5
125°	9.0	7.5	4.5	1.5	1.5	1.5	1.5	1.5	6.0	10.5	12.0
127.5°	7.5	7.5	4.5	1.5	1.5	1.5	1.5	1.5	4.5	9.0	10.5
130°	7.5	7.5	4.5	1.5	1.5	1.5	1.5	1.5	4.5	7.5	7.5
132.5°	6.0	6.0	4.5	1.5	1.5	1.5	1.5	1.5	3.0	6.0	6.0
135°	6.0	6.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	4.5	4.5
137.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
140°	0.0	1.5	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	0.0	0.0	0.0	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°	4.5	4.5	4.5	3.0	3.0	1.5	3.0	1.5	1.5	1.5	1.5
152.5°	4.5	4.5	6.0	3.0	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°	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.0	0.0	1.5	1.5	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°	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0
2.5°	426.0	429.0	430.5	435.0	435.0	435.0	424.5	398.9	398.9	400.4	401.9
5°	419.9	422.9	429.0	407.9	386.8	385.3	392.8	397.4	398.9	400.4	397.4
7.5°	371.8	377.8	374.8	376.3	386.8	397.4	406.4	400.4	385.3	374.8	377.8
10°	331.1	337.2	304.0	307.1	319.1	349.2	398.9	415.4	426.0	430.5	430.5
12.5°	290.5	295.0	266.4	308.6	287.5	334.1	388.3	429.0	388.3	371.8	371.8
15°	332.6	341.7	307.1	273.9	280.0	338.7	298.0	409.4	421.4	424.5	427.5
17.5°	284.5	278.5	284.5	289.0	314.6	263.4	341.7	385.3	361.2	352.2	356.7
20°	358.2	364.2	332.6	284.5	287.5	335.6	304.0	344.7	410.9	412.4	415.4
22.5°	272.4	280.0	298.0	338.7	296.5	325.1	320.6	358.2	335.6	337.2	349.2
25°	400.4	406.4	374.8	302.5	323.6	293.5	323.6	319.1	376.3	379.3	379.3
27.5°	490.7	477.1	409.4	341.7	284.5	310.1	292.0	304.0	290.5	331.1	337.2
30°	584.0	584.0	531.3	380.8	301.0	263.4	266.4	289.0	322.1	328.1	328.1
32.5°	612.6	611.1	543.4	412.4	296.5	272.4	245.3	272.4	329.6	358.2	361.2
35°	653.2	647.2	564.4	401.9	286.0	248.4	231.8	273.9	316.1	320.6	317.6
37.5°	704.4	689.4	590.0	382.3	261.9	233.3	222.8	246.8	283.0	283.0	283.0
40°	767.6	743.5	599.1	355.2	236.3	213.7	203.2	228.8	252.9	239.3	234.8
42.5°	853.4	817.3	606.6	335.6	213.7	197.2	183.6	207.7	219.8	212.2	209.2
45°	933.2	879.0	618.6	314.6	195.7	182.1	170.1	191.2	200.2	192.7	191.2
47.5°	1028.0	955.8	620.1	295.0	182.1	170.1	161.1	179.1	185.1	185.1	183.6
50°	1125.9	1029.5	632.2	278.5	168.6	158.0	156.5	170.1	174.6	171.6	170.1
52.5°	1237.2	1112.3	636.7	257.4	152.0	144.5	152.0	161.1	174.6	176.1	176.1
55°	1356.1	1189.1	633.7	228.8	140.0	137.0	147.5	167.1	179.1	170.1	168.6
57.5°	1472.0	1265.8	635.2	197.2	127.9	134.0	149.0	174.6	183.6	173.1	168.6
60°	1575.9	1335.1	614.1	168.6	118.9	126.4	155.0	182.1	179.1	182.1	177.6
62.5°	1703.8	1407.3	553.9	150.5	111.4	123.4	155.0	186.6	174.6	186.6	186.6
65°	1809.2	1461.5	468.1	135.5	105.4	123.4	156.5	188.1	170.1	189.6	189.6
67.5°	1854.3	1460.0	338.7	123.4	97.8	120.4	156.5	194.2	174.6	195.7	194.2
70°	1836.3	1410.3	239.3	114.4	93.3	121.9	162.6	198.7	179.1	207.7	206.2
72.5°	1714.4	1292.9	173.1	106.9	87.3	115.9	167.1	204.7	183.6	225.8	225.8
75°	1509.7	1080.7	140.0	99.3	81.3	114.4	168.6	207.7	186.6	228.8	228.8
77.5°	1154.5	776.7	117.4	91.8	75.3	111.4	167.1	212.2	185.1	228.8	228.8
80°	692.4	442.5	97.8	82.8	76.8	109.9	170.1	212.2	185.1	225.8	225.8
82.5°	319.1	203.2	87.3	69.2	72.2	108.4	173.1	209.2	177.6	225.8	216.7
85°	177.6	143.0	75.3	58.7	64.7	102.4	164.1	188.1	159.5	186.6	183.6
87.5°	132.5	111.4	48.2	30.1	42.1	72.2	126.4	149.0	120.4	144.5	143.0
90°	141.5	117.4	43.6	30.1	45.2	66.2	118.9	132.5	111.4	134.0	132.5
92.5°	152.0	123.4	43.6	31.6	51.2	72.2	118.9	129.4	109.9	121.9	123.4
95°	159.5	127.9	42.1	34.6	54.2	78.3	115.9	118.9	100.8	105.4	109.9
97.5°	124.9	96.3	37.6	36.1	52.7	63.2	94.8	93.3	69.2	64.7	64.7
100°	39.1	27.1	33.1	37.6	31.6	30.1	55.7	66.2	40.6	27.1	25.6
102.5°	12.0	10.5	30.1	36.1	24.1	13.5	30.1	42.1	30.1	4.5	6.0
105°	12.0	12.0	19.6	30.1	16.6	6.0	12.0	22.6	18.1	4.5	4.5
107.5°	12.0	10.5	7.5	16.6	6.0	4.5	6.0	6.0	6.0	4.5	4.5
110°	12.0	12.0	6.0	6.0	4.5	4.5	4.5	3.0	3.0	7.5	7.5



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CATALOG NUMBER: SDL-PA1-40-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	12.0	6.0	6.0	4.5	4.5	3.0	3.0	4.5	10.5	10.5
115°	10.5	10.5	6.0	4.5	3.0	4.5	3.0	3.0	4.5	12.0	12.0
117.5°	12.0	12.0	6.0	4.5	3.0	3.0	3.0	1.5	4.5	13.5	15.1
120°	15.1	13.5	7.5	3.0	3.0	3.0	3.0	3.0	6.0	12.0	13.5
122.5°	15.1	15.1	7.5	3.0	1.5	1.5	1.5	3.0	6.0	12.0	13.5
125°	13.5	13.5	7.5	3.0	1.5	1.5	1.5	1.5	6.0	10.5	10.5
127.5°	12.0	12.0	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	7.5	9.0
132.5°	7.5	7.5	4.5	3.0	1.5	1.5	1.5	1.5	4.5	6.0	7.5
135°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	4.5	6.0
137.5°	3.0	3.0	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	0.0	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	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	1.5	1.5	1.5	3.0	3.0	4.5	3.0
152.5°	1.5	1.5	1.5	3.0	1.5	0.0	0.0	3.0	3.0	4.5	4.5
155°	4.5	4.5	3.0	1.5	1.5	0.0	0.0	0.0	3.0	3.0	3.0
157.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5
160°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	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

(END OF REPORT)