

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: P560349

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
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-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2812.6 lumens
Efficiency: N/A
Efficacy: 71.4 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: B0 - 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

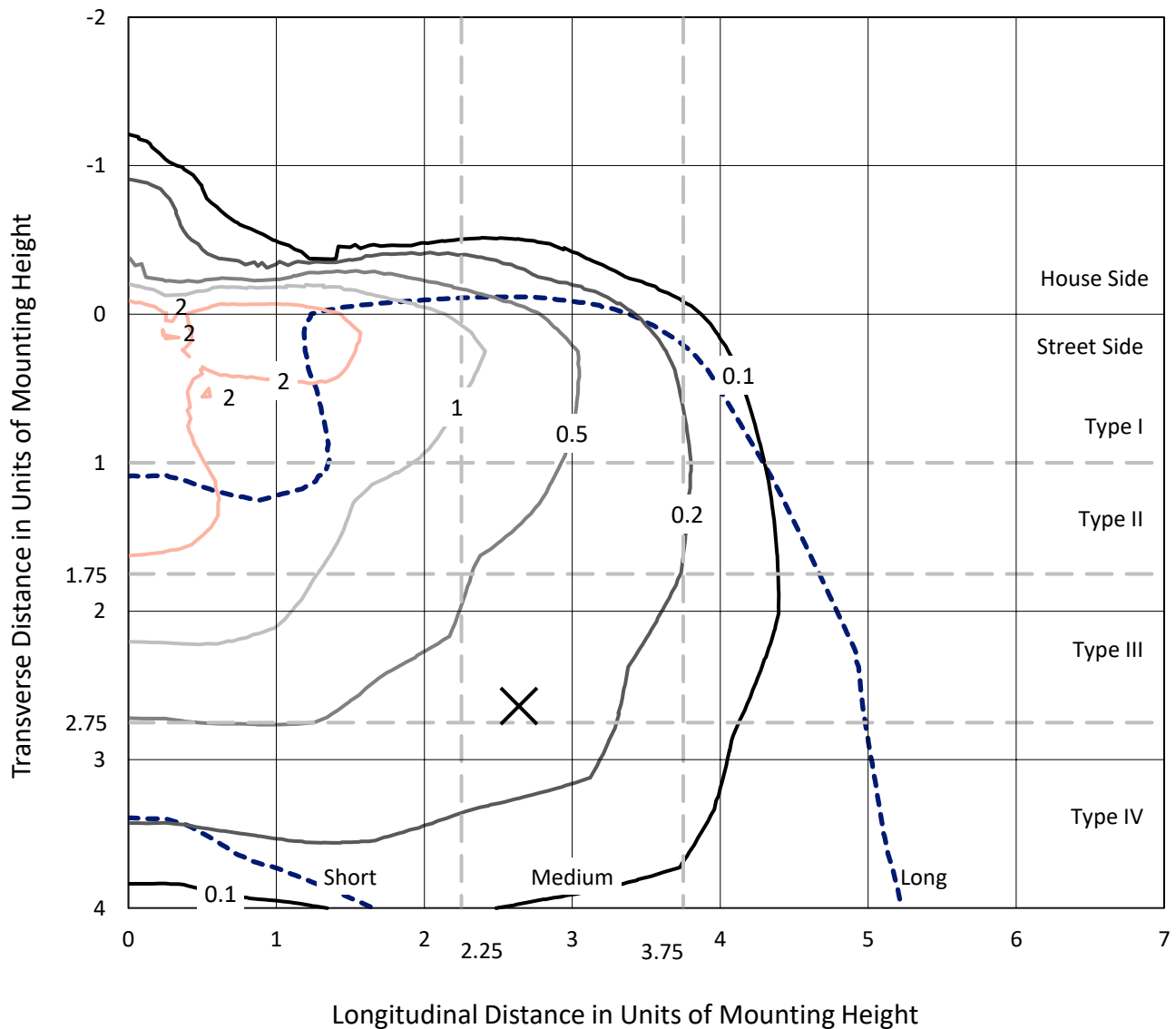


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

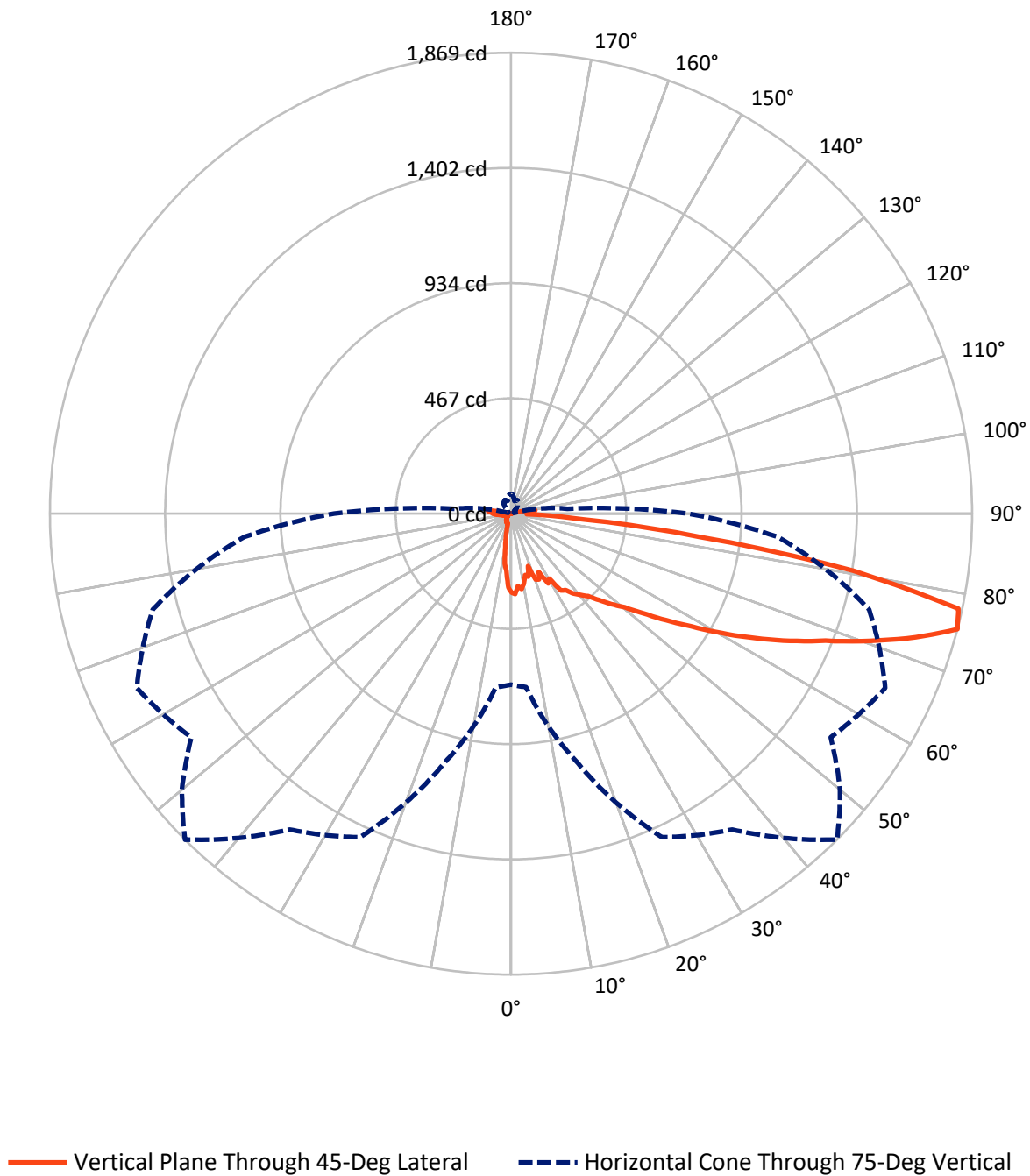


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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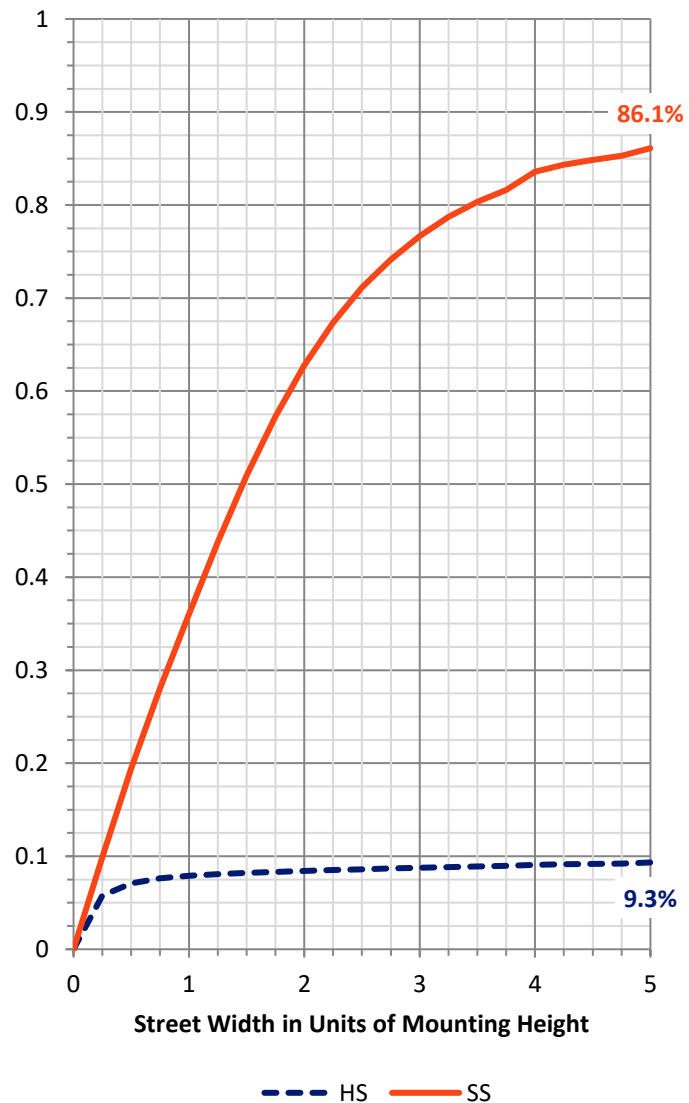
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	288.6	50.5	339.1
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	2434.5	39.0	2473.5
	% Fixture	86.6	1.4	87.9
Total	Lumens	2723.1	89.5	2812.6
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	0.9
10°-20°	53.8	1.9
20°-30°	90.3	3.2
30°-40°	167.4	6.0
40°-50°	282.1	10.0
50°-60°	506.4	18.0
60°-70°	760.4	27.0
70°-80°	695.6	24.7
80°-90°	142.2	5.1
90°-100°	68.1	2.4
100°-110°	14.5	0.5
110°-120°	2.7	0.1
120°-130°	2.2	0.1
130°-140°	1.0	0.0
140°-150°	0.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2723.1	96.8
0°-180°	2812.6	100.0

Coefficient of Utilization



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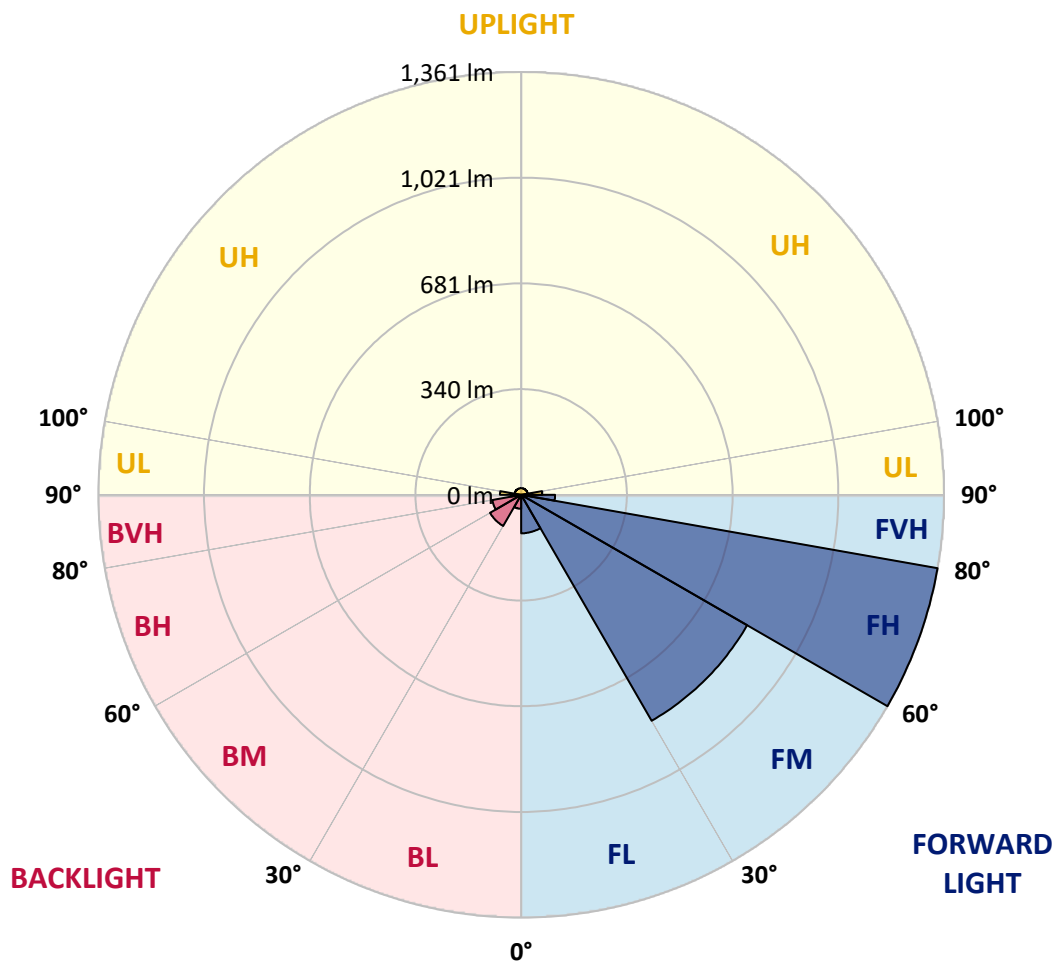
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.9	4.4			
FM	(30°-60°)	840.1	29.9			
FH	(60°-80°)	1361.4	48.4			G1/1800
FVH	(80°-90°)	109.1	3.9			G2/225
BL	(0°-30°)	45.1	1.6	B0/110		
BM	(30°-60°)	115.8	4.1	B0/220		
BH	(60°-80°)	94.6	3.4	B0/110		G0/110
BVH	(80°-90°)	33.2	1.2			G1/100
UL	(90°-100°)	68.1	2.4		U3/500	
UH	(100°-180°)	21.4	0.8		U2/50	

BUG Rating: B0-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	320.5	320.5	320.5	320.5	320.5	320.5	320.5	320.5	320.5	320.5	320.5
2.5°	311.4	326.5	322.0	329.5	328.0	326.5	326.5	328.0	326.5	323.5	320.5
5°	317.5	313.0	309.9	308.4	302.4	294.9	291.9	288.9	320.5	320.5	314.5
7.5°	326.5	326.5	320.5	316.0	316.0	308.4	300.9	294.9	279.9	275.3	275.3
10°	347.6	344.5	340.0	331.0	285.9	287.4	270.8	237.7	222.7	228.7	237.7
12.5°	352.1	350.6	344.5	343.0	300.9	255.8	212.1	237.7	227.2	189.6	210.6
15°	377.7	374.6	362.6	341.5	257.3	264.8	246.8	212.1	203.1	231.7	248.3
17.5°	322.0	322.0	361.1	331.0	279.9	222.7	221.2	246.8	222.7	207.6	206.1
20°	395.7	395.7	379.2	270.8	287.4	284.4	228.7	258.8	218.2	246.8	263.3
22.5°	329.5	328.0	340.0	335.5	275.3	290.4	234.7	236.2	260.3	222.7	191.1
25°	401.7	401.7	392.7	291.9	313.0	261.8	267.8	282.9	231.7	281.4	284.4
27.5°	346.1	344.5	328.0	334.0	291.9	320.5	243.7	266.3	284.4	303.9	334.0
30°	422.8	425.8	418.3	317.5	325.0	305.4	290.4	308.4	344.5	404.7	424.3
32.5°	522.1	525.1	445.4	382.2	326.5	371.6	311.4	340.0	395.7	424.3	445.4
35°	580.8	558.2	523.6	427.3	352.1	380.7	358.1	362.6	412.3	457.4	472.4
37.5°	630.4	600.3	559.7	440.8	371.6	410.8	373.1	379.2	446.9	487.5	507.0
40°	647.0	628.9	606.3	470.9	395.7	433.3	391.2	404.7	480.0	526.6	556.7
42.5°	687.6	689.1	675.6	513.1	421.3	457.4	421.3	430.3	523.6	580.8	624.4
45°	795.9	798.9	783.9	585.3	452.9	499.5	469.4	473.9	573.2	663.5	719.2
47.5°	934.3	923.8	908.8	681.6	501.0	547.7	525.1	520.6	631.9	771.9	821.5
50°	1074.3	1054.7	1023.1	814.0	583.8	597.3	582.3	579.3	702.6	883.2	937.4
52.5°	1220.2	1205.2	1139.0	938.9	707.2	669.5	653.0	669.5	794.4	1006.6	1056.2
55°	1297.0	1281.9	1239.8	1072.8	826.0	762.8	734.2	764.3	935.9	1122.4	1187.1
57.5°	1360.1	1355.6	1336.1	1212.7	970.5	862.1	833.5	862.1	1048.7	1230.8	1307.5
60°	1450.4	1432.4	1450.4	1348.1	1110.4	984.0	944.9	975.0	1187.1	1325.5	1439.9
62.5°	1515.1	1510.6	1546.7	1500.1	1227.7	1111.9	1054.7	1083.3	1309.0	1426.3	1570.8
65°	1445.9	1468.5	1612.9	1599.4	1360.1	1242.8	1182.6	1173.6	1408.3	1534.7	1710.7
67.5°	1322.5	1337.6	1548.2	1650.5	1476.0	1375.2	1303.0	1260.8	1500.1	1632.5	1822.1
70°	1205.2	1223.2	1415.8	1653.5	1531.7	1545.2	1444.4	1366.2	1591.9	1742.3	1846.1
72.5°	1111.9	1128.4	1301.5	1617.4	1551.2	1715.2	1599.4	1477.5	1680.6	1745.3	1612.9
75°	693.6	705.7	1047.2	1447.4	1563.3	1868.7	1740.8	1581.3	1673.1	1503.1	1084.8
77.5°	213.7	218.2	448.4	955.4	1358.6	1853.6	1716.7	1486.5	1402.3	953.9	495.0
80°	73.7	75.2	115.9	340.0	812.5	1406.8	1309.0	1093.8	838.1	352.1	186.6
82.5°	34.6	37.6	54.2	114.3	331.0	768.8	773.4	650.0	352.1	156.5	126.4
85°	12.0	12.0	22.6	49.7	127.9	296.4	281.4	261.8	185.1	141.4	117.4
87.5°	4.5	4.5	7.5	13.5	31.6	63.2	79.7	97.8	97.8	99.3	118.9
90°	4.5	4.5	3.0	3.0	22.6	66.2	79.7	88.8	81.2	90.3	129.4
92.5°	4.5	4.5	3.0	3.0	24.1	76.7	88.8	96.3	85.8	96.3	142.9
95°	4.5	4.5	3.0	3.0	27.1	93.3	103.8	102.3	85.8	100.8	153.5
97.5°	6.0	6.0	3.0	1.5	24.1	99.3	111.3	108.3	73.7	76.7	120.4
100°	6.0	6.0	3.0	1.5	15.0	73.7	88.8	87.3	48.1	12.0	34.6
102.5°	6.0	6.0	3.0	1.5	3.0	34.6	42.1	43.6	28.6	4.5	6.0
105°	7.5	7.5	3.0	1.5	1.5	6.0	13.5	18.1	10.5	3.0	6.0
107.5°	7.5	7.5	3.0	1.5	1.5	3.0	3.0	4.5	4.5	3.0	7.5
110°	7.5	7.5	3.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	7.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	6.0	6.0	1.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	7.5
115°	3.0	3.0	1.5	1.5	0.0	1.5	1.5	1.5	1.5	3.0	6.0
117.5°	1.5	1.5	0.0	1.5	0.0	1.5	1.5	1.5	3.0	3.0	7.5
120°	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	4.5	9.0
122.5°	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	4.5	9.0
125°	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	4.5	9.0
127.5°	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	4.5	7.5
130°	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0	6.0
132.5°	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0	4.5
135°	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
140°	0.0	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	0.0	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°	0.0	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	3.0	1.5	0.0	0.0	1.5	1.5	1.5	1.5	1.5
152.5°	3.0	3.0	4.5	1.5	0.0	0.0	1.5	1.5	3.0	1.5	1.5
155°	3.0	3.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5	3.0	3.0
157.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	320.5	320.5	320.5	320.5	320.5	320.5	320.5	320.5	320.5	320.5	320.5
2.5°	317.5	316.0	311.4	308.4	303.9	299.4	276.8	263.3	261.8	260.3	261.8
5°	311.4	306.9	299.4	264.8	248.3	233.2	228.7	225.7	218.2	218.2	219.7
7.5°	269.3	266.3	242.2	231.7	218.2	204.6	192.6	183.6	161.0	153.5	150.5
10°	236.2	230.2	188.1	167.0	153.5	138.4	138.4	126.4	120.4	115.9	114.3
12.5°	204.6	200.1	165.5	152.0	114.3	99.3	91.8	84.3	79.7	76.7	75.2
15°	239.2	231.7	177.5	121.9	84.3	70.7	55.7	54.2	67.7	70.7	72.2
17.5°	191.1	195.6	158.0	106.8	69.2	43.6	48.1	57.2	64.7	64.7	63.2
20°	254.3	243.7	171.5	85.8	49.7	43.6	46.6	42.1	60.2	64.7	64.7
22.5°	185.1	176.0	141.4	79.7	39.1	42.1	39.1	49.7	55.7	49.7	51.2
25°	275.3	261.8	164.0	55.7	40.6	36.1	45.1	39.1	54.2	58.7	60.2
27.5°	341.5	296.4	161.0	52.7	36.1	40.6	37.6	45.1	43.6	46.6	46.6
30°	407.7	382.2	182.1	48.1	36.1	34.6	39.1	39.1	49.7	54.2	54.2
32.5°	436.3	406.2	159.5	46.6	36.1	34.6	34.6	42.1	46.6	55.7	55.7
35°	466.4	425.8	133.9	43.6	34.6	33.1	33.1	42.1	49.7	55.7	57.2
37.5°	507.0	446.9	108.3	42.1	33.1	31.6	28.6	37.6	52.7	58.7	60.2
40°	558.2	477.0	84.3	39.1	30.1	28.6	27.1	37.6	45.1	52.7	52.7
42.5°	637.9	510.1	66.2	37.6	28.6	25.6	25.6	31.6	43.6	49.7	49.7
45°	719.2	549.2	55.7	36.1	27.1	24.1	24.1	31.6	33.1	42.1	42.1
47.5°	809.5	588.3	51.2	34.6	27.1	21.1	21.1	28.6	28.6	39.1	40.6
50°	902.8	621.4	48.1	33.1	24.1	19.6	24.1	19.6	24.1	37.6	40.6
52.5°	984.0	648.5	45.1	30.1	22.6	18.1	22.6	19.6	24.1	34.6	34.6
55°	1066.8	663.5	43.6	28.6	21.1	15.0	22.6	21.1	22.6	31.6	31.6
57.5°	1140.5	668.0	42.1	28.6	18.1	13.5	21.1	25.6	19.6	25.6	28.6
60°	1206.7	663.5	37.6	25.6	13.5	13.5	22.6	30.1	27.1	30.1	30.1
62.5°	1268.4	647.0	30.1	21.1	10.5	13.5	28.6	33.1	25.6	31.6	34.6
65°	1321.0	624.4	22.6	16.6	7.5	15.0	30.1	37.6	30.1	36.1	39.1
67.5°	1345.1	594.3	18.1	13.5	7.5	16.6	31.6	42.1	34.6	40.6	43.6
70°	1304.5	532.6	15.0	13.5	6.0	19.6	33.1	45.1	39.1	51.2	52.7
72.5°	1083.3	418.3	13.5	13.5	10.5	24.1	42.1	51.2	48.1	69.2	67.7
75°	717.7	228.7	13.5	12.0	13.5	28.6	51.2	60.2	52.7	78.2	78.2
77.5°	331.0	100.8	12.0	13.5	15.0	31.6	58.7	72.2	60.2	88.8	87.3
80°	144.4	61.7	12.0	12.0	16.6	34.6	66.2	81.2	66.2	97.8	97.8
82.5°	108.3	55.7	10.5	12.0	22.6	39.1	76.7	90.3	73.7	105.3	103.8
85°	100.8	52.7	12.0	13.5	25.6	49.7	90.3	97.8	76.7	108.3	108.3
87.5°	102.3	51.2	12.0	13.5	34.6	63.2	102.3	105.3	84.3	114.3	114.3
90°	105.3	52.7	13.5	15.0	39.1	69.2	114.3	112.8	94.8	120.4	120.4
92.5°	112.8	52.7	15.0	16.6	42.1	76.7	124.9	115.9	102.3	124.9	121.9
95°	117.4	52.7	16.6	18.1	49.7	84.3	132.4	112.8	108.3	115.9	112.8
97.5°	87.3	39.1	19.6	21.1	51.2	94.8	121.9	96.3	70.7	69.2	70.7
100°	28.6	13.5	21.1	22.6	33.1	66.2	90.3	69.2	37.6	28.6	28.6
102.5°	7.5	7.5	19.6	21.1	18.1	28.6	52.7	45.1	25.6	1.5	3.0
105°	7.5	6.0	12.0	16.6	10.5	7.5	21.1	25.6	19.6	1.5	1.5
107.5°	7.5	6.0	6.0	9.0	3.0	3.0	6.0	6.0	6.0	1.5	1.5
110°	7.5	6.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0

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

CANDELA DISTRIBUTION (continued):

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