

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: P560455

Luminaire Tested: **SDL-PA1-40-827-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-827-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2542.3 lumens
Efficiency: N/A
Efficacy: 64.5 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: B0 - 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

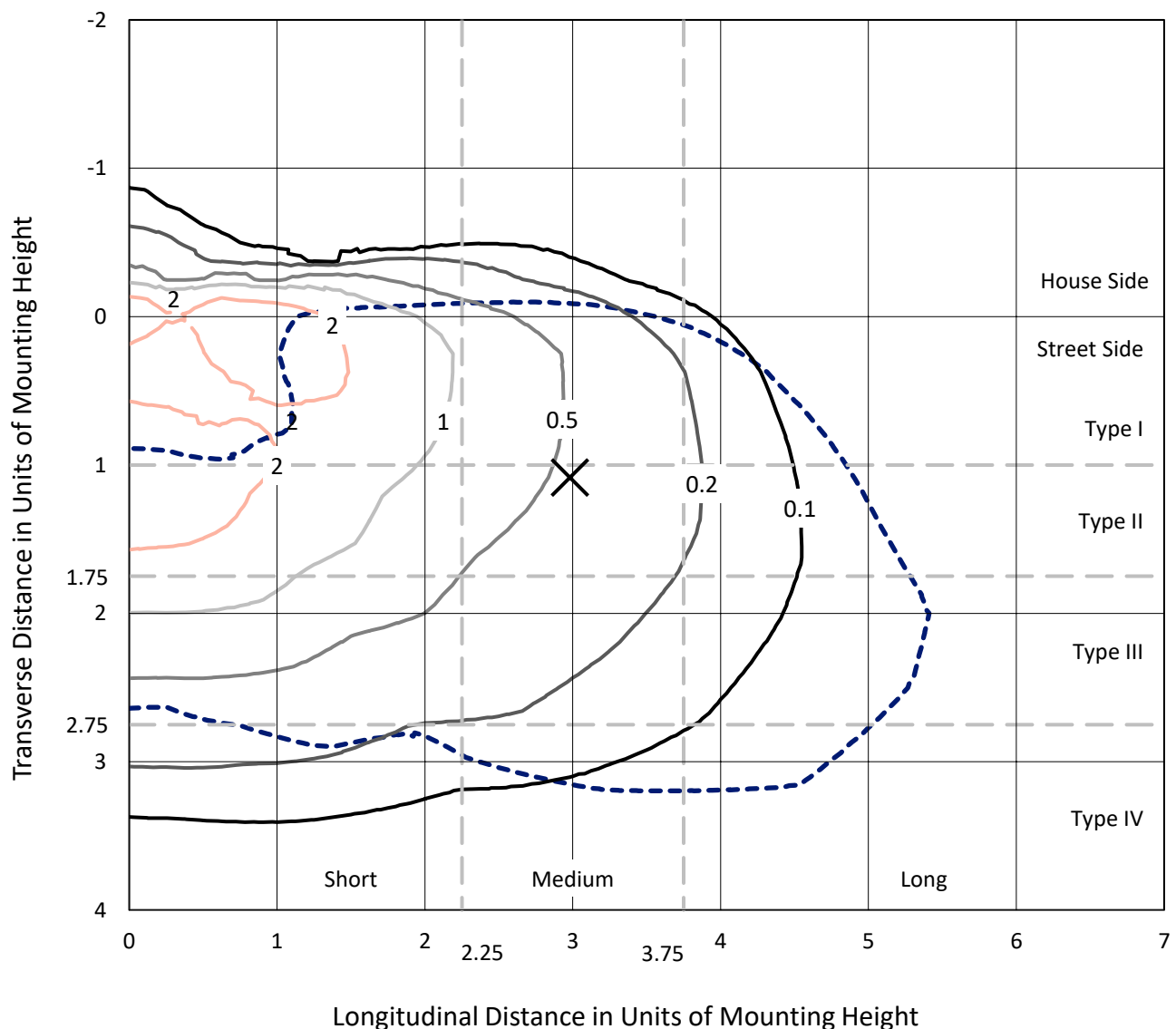


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

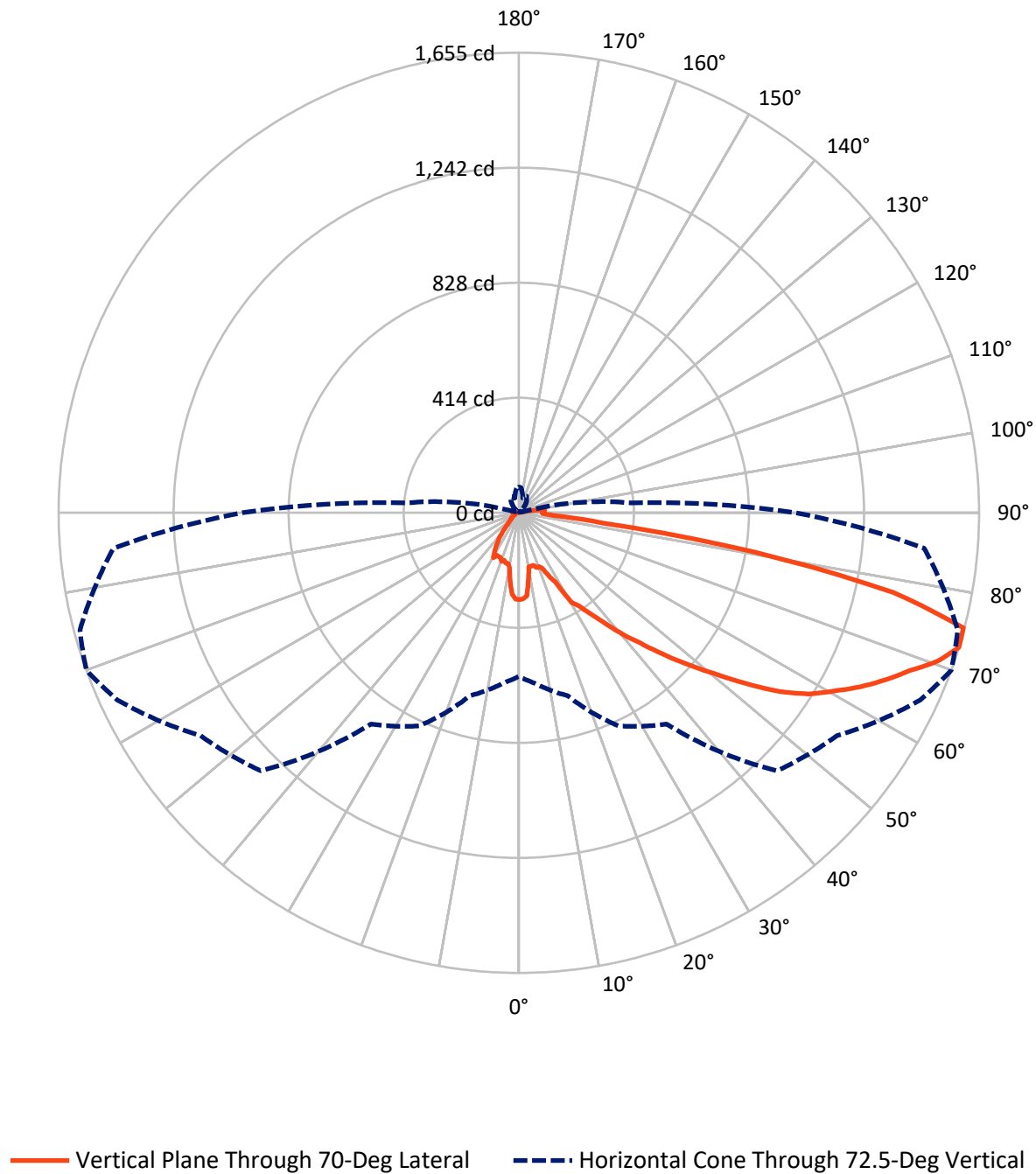


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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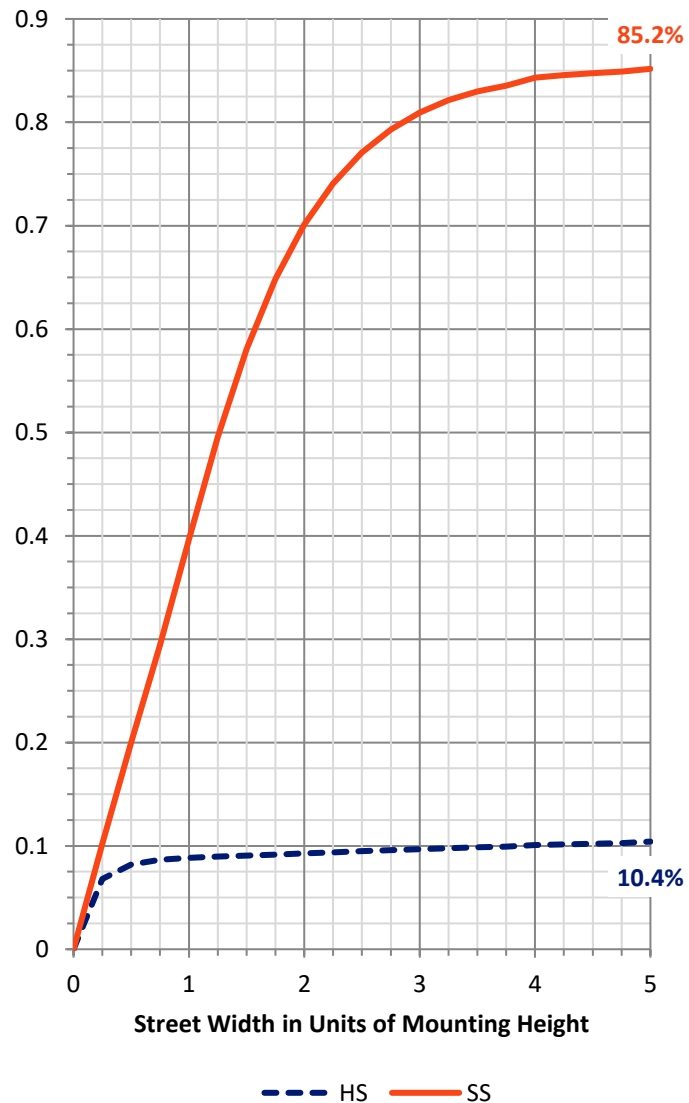
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	291.4	41.0	332.4
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	2176.8	33.1	2209.9
	% Fixture	85.6	1.3	86.9
Total	Lumens	2468.3	74.1	2542.3
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	0.9
10°-20°	47.6	1.9
20°-30°	77.1	3.0
30°-40°	164.8	6.5
40°-50°	324.0	12.7
50°-60°	541.0	21.3
60°-70°	671.4	26.4
70°-80°	517.1	20.3
80°-90°	101.1	4.0
90°-100°	54.9	2.2
100°-110°	11.3	0.4
110°-120°	3.2	0.1
120°-130°	2.5	0.1
130°-140°	1.2	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°	2468.3	97.1
0°-180°	2542.3	100.0

Coefficient of Utilization



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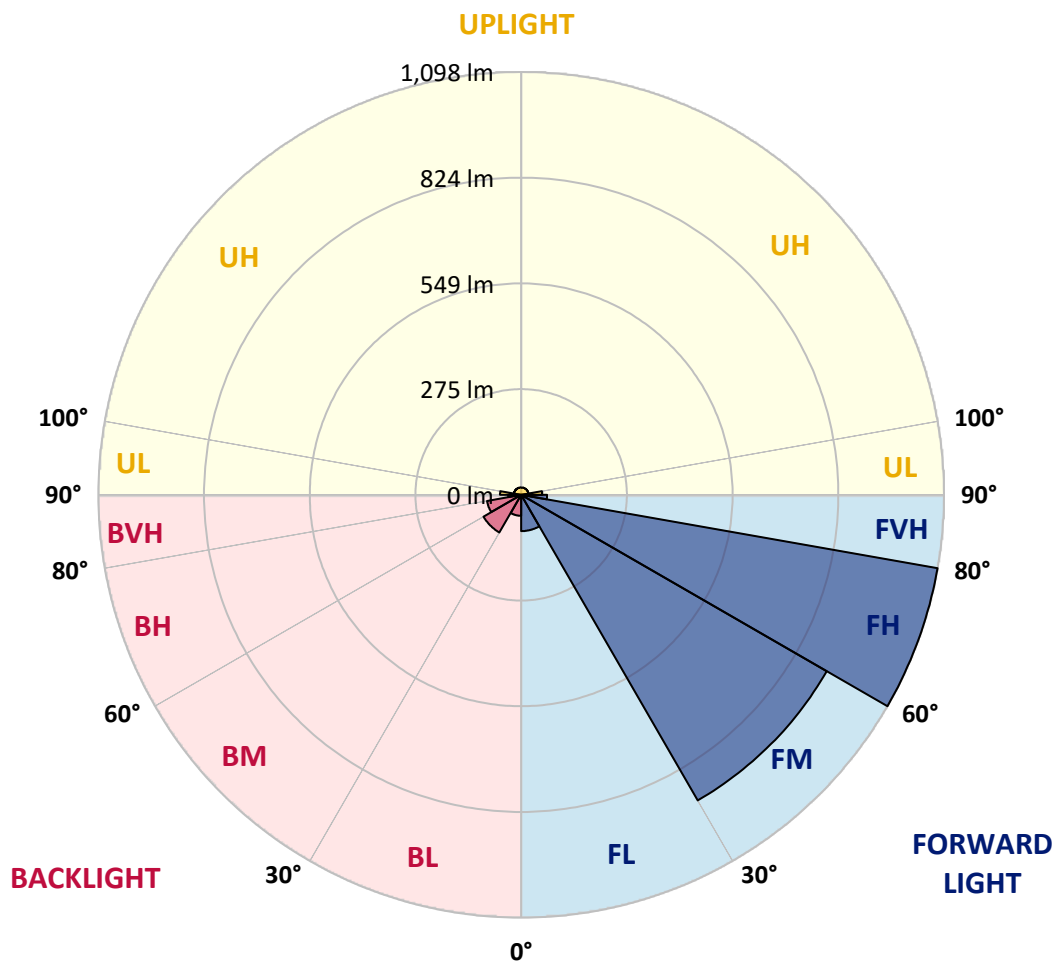
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.3	3.7			
FM	(30°-60°)	916.7	36.1			
FH	(60°-80°)	1098.5	43.2			G1/1800
FVH	(80°-90°)	67.3	2.6			G1/100
BL	(0°-30°)	54.5	2.1	B0/110		
BM	(30°-60°)	113.0	4.4	B0/220		
BH	(60°-80°)	90.1	3.5	B0/110		G0/110
BVH	(80°-90°)	33.8	1.3			G1/100
UL	(90°-100°)	54.9	2.2		U3/500	
UH	(100°-180°)	19.2	0.8		U2/50	

BUG Rating: B0-U3-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	312.3	312.3	312.3	312.3	312.3	312.3	312.3	312.3	312.3	312.3	312.3
2.5°	263.3	292.4	293.8	296.4	299.1	303.0	309.6	309.6	309.6	309.6	311.0
5°	250.1	250.1	250.1	252.7	252.7	255.4	256.7	296.4	300.4	304.3	304.3
7.5°	207.8	227.6	228.9	236.9	246.1	250.1	252.7	250.1	246.1	262.0	268.6
10°	227.6	227.6	227.6	230.2	217.0	210.4	194.5	195.8	197.2	209.1	238.2
12.5°	189.2	201.1	213.0	226.3	209.1	187.9	183.9	194.5	197.2	176.0	209.1
15°	221.0	219.7	219.7	207.8	173.3	187.9	164.1	173.3	195.8	214.4	248.8
17.5°	182.6	177.3	206.4	203.8	185.3	148.2	189.2	187.9	207.8	191.9	214.4
20°	217.0	215.7	215.7	166.7	183.9	199.8	197.2	183.9	206.4	230.2	271.3
22.5°	182.6	180.0	185.3	199.8	182.6	206.4	180.0	227.6	217.0	210.4	197.2
25°	230.2	228.9	228.9	182.6	206.4	189.2	227.6	207.8	251.4	273.9	299.1
27.5°	206.4	206.4	197.2	211.7	197.2	238.2	218.3	262.0	284.5	299.1	361.3
30°	285.8	287.1	271.3	210.4	219.7	223.6	258.0	324.2	373.2	408.9	447.3
32.5°	411.5	403.6	337.4	287.1	232.9	276.6	285.8	377.1	400.9	439.3	472.4
35°	559.7	555.8	497.5	371.8	280.5	296.4	318.9	410.2	447.3	485.6	505.5
37.5°	661.6	657.7	620.6	473.7	338.8	345.4	348.0	456.5	504.2	542.5	551.8
40°	745.0	738.4	715.9	553.1	416.8	403.6	390.4	520.0	574.3	606.1	610.0
42.5°	870.7	860.1	803.2	644.4	496.2	481.7	436.7	575.6	640.5	682.8	685.4
45°	1021.6	1012.3	932.9	771.5	580.9	576.9	518.7	647.1	723.8	774.1	759.6
47.5°	1124.8	1099.6	1054.6	893.2	711.9	677.5	610.0	719.9	813.8	889.2	848.2
50°	1218.7	1200.2	1161.8	1028.2	853.5	807.2	705.3	803.2	909.1	977.9	922.3
52.5°	1306.1	1278.3	1246.5	1128.7	975.2	952.7	799.2	886.6	1018.9	1075.8	999.1
55°	1349.7	1306.1	1300.8	1220.0	1069.2	1050.7	905.1	989.8	1134.0	1173.7	1071.8
57.5°	1278.3	1276.9	1318.0	1275.6	1145.9	1136.7	1012.3	1101.0	1230.6	1249.2	1143.3
60°	1230.6	1232.0	1294.1	1296.8	1213.4	1218.7	1108.9	1229.3	1302.1	1314.0	1210.8
62.5°	1147.3	1156.5	1250.5	1311.4	1230.6	1296.8	1190.9	1318.0	1378.8	1382.8	1294.1
65°	1042.7	1052.0	1147.3	1271.7	1212.1	1348.4	1259.7	1417.2	1449.0	1451.6	1385.5
67.5°	921.0	925.0	1030.8	1168.4	1167.1	1366.9	1302.1	1483.4	1516.5	1524.4	1463.5
70°	786.0	780.7	877.3	1036.1	1070.5	1357.7	1353.7	1548.2	1598.5	1597.2	1517.8
72.5°	588.9	614.0	681.5	845.6	927.6	1312.7	1397.4	1593.2	1655.4	1634.2	1463.5
75°	201.1	214.4	397.0	538.6	714.6	1192.3	1406.6	1595.9	1651.4	1557.5	1197.6
77.5°	66.2	62.2	88.7	214.4	397.0	825.7	1237.2	1392.1	1377.5	1210.8	735.7
80°	31.8	33.1	39.7	75.4	145.6	374.5	776.8	881.3	861.4	635.2	318.9
82.5°	21.2	22.5	26.5	43.7	82.0	128.4	412.9	402.3	304.3	199.8	131.0
85°	9.3	9.3	13.2	22.5	50.3	84.7	157.5	137.6	124.4	115.1	107.2
87.5°	2.6	2.6	5.3	7.9	17.2	52.9	88.7	83.4	86.0	90.0	101.9
90°	2.6	2.6	2.6	2.6	13.2	55.6	90.0	84.7	84.7	90.0	107.2
92.5°	4.0	4.0	2.6	2.6	11.9	55.6	94.0	80.7	86.0	91.3	115.1
95°	4.0	5.3	2.6	1.3	9.3	56.9	96.6	86.0	94.0	92.6	123.1
97.5°	5.3	5.3	2.6	1.3	5.3	49.0	97.9	70.1	71.5	66.2	96.6
100°	6.6	6.6	2.6	2.6	4.0	25.1	72.8	45.0	27.8	21.2	31.8
102.5°	7.9	7.9	2.6	2.6	2.6	9.3	33.1	26.5	14.6	4.0	7.9
105°	7.9	9.3	2.6	2.6	1.3	4.0	14.6	10.6	5.3	4.0	7.9
107.5°	9.3	9.3	2.6	2.6	1.3	2.6	4.0	4.0	2.6	4.0	7.9
110°	9.3	9.3	4.0	2.6	1.3	2.6	1.3	2.6	2.6	4.0	9.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6.6	6.6	2.6	4.0	1.3	1.3	1.3	2.6	2.6	4.0	7.9
115°	4.0	2.6	1.3	2.6	1.3	1.3	1.3	2.6	2.6	2.6	6.6
117.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	4.0	7.9
120°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	5.3	9.3
122.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	5.3	10.6
125°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	4.0	9.3
127.5°	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	2.6	4.0	7.9
130°	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	2.6	5.3
132.5°	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	2.6	5.3
135°	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6
137.5°	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
140°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	2.6	2.6	1.3	1.3
155°	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	2.6	2.6
157.5°	0.0	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3
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°	312.3	312.3	312.3	312.3	312.3	312.3	312.3	312.3	312.3	312.3	312.3
2.5°	311.0	311.0	309.6	312.3	311.0	311.0	293.8	276.6	272.6	273.9	276.6
5°	305.7	305.7	305.7	284.5	260.7	252.7	255.4	255.4	255.4	254.1	256.7
7.5°	269.9	268.6	264.7	240.8	251.4	250.1	248.8	246.1	214.4	206.4	206.4
10°	239.5	239.5	205.1	195.8	195.8	203.8	209.1	201.1	197.2	190.5	189.2
12.5°	210.4	210.4	176.0	195.8	165.4	164.1	160.1	146.9	124.4	108.5	109.8
15°	250.1	250.1	207.8	166.7	138.9	131.0	82.0	76.7	74.1	72.8	71.5
17.5°	213.0	214.4	191.9	165.4	129.7	68.8	58.2	58.2	58.2	55.6	50.3
20°	269.9	269.9	223.6	148.2	97.9	54.3	45.0	39.7	54.3	54.3	54.3
22.5°	195.8	193.2	197.2	150.9	60.9	43.7	37.1	46.3	49.0	41.0	41.0
25°	296.4	292.4	239.5	108.5	50.3	34.4	41.0	35.7	46.3	46.3	46.3
27.5°	365.2	338.8	243.5	99.2	37.1	39.7	33.1	39.7	35.7	34.4	34.4
30°	439.3	427.4	293.8	78.1	35.7	33.1	34.4	31.8	37.1	34.4	34.4
32.5°	463.1	451.2	266.0	60.9	34.4	31.8	29.1	30.4	29.1	30.4	30.4
35°	493.6	481.7	235.5	46.3	31.8	27.8	26.5	26.5	25.1	23.8	23.8
37.5°	537.2	517.4	201.1	39.7	29.1	25.1	21.2	19.8	21.2	26.5	27.8
40°	587.5	554.4	158.8	35.7	25.1	21.2	15.9	18.5	22.5	22.5	22.5
42.5°	660.3	599.4	117.8	33.1	22.5	17.2	11.9	14.6	17.2	23.8	23.8
45°	723.8	625.9	83.4	30.4	18.5	13.2	9.3	14.6	18.5	21.2	21.2
47.5°	797.9	651.0	62.2	29.1	17.2	9.3	10.6	14.6	14.6	22.5	22.5
50°	860.1	656.3	50.3	26.5	13.2	6.6	13.2	13.2	15.9	19.8	19.8
52.5°	918.3	661.6	45.0	23.8	10.6	5.3	13.2	13.2	18.5	23.8	23.8
55°	956.7	645.8	41.0	21.2	9.3	4.0	14.6	14.6	14.6	18.5	18.5
57.5°	987.2	625.9	38.4	18.5	7.9	7.9	15.9	18.5	15.9	18.5	18.5
60°	1007.0	590.2	33.1	17.2	6.6	7.9	19.8	23.8	18.5	27.8	27.8
62.5°	1042.7	562.4	29.1	15.9	5.3	7.9	19.8	30.4	23.8	37.1	38.4
65°	1071.8	537.2	25.1	11.9	5.3	10.6	22.5	38.4	29.1	46.3	47.6
67.5°	1083.8	506.8	21.2	10.6	5.3	11.9	29.1	47.6	37.1	54.3	54.3
70°	1074.5	475.1	17.2	10.6	5.3	18.5	38.4	55.6	45.0	66.2	67.5
72.5°	993.8	404.9	13.2	10.6	4.0	19.8	47.6	66.2	54.3	90.0	92.6
75°	760.9	256.7	13.2	10.6	5.3	22.5	55.6	76.7	64.8	100.6	104.5
77.5°	464.5	119.1	13.2	11.9	6.6	27.8	60.9	88.7	71.5	108.5	111.2
80°	206.4	74.1	13.2	13.2	13.2	34.4	71.5	97.9	80.7	115.1	119.1
82.5°	103.2	55.6	11.9	13.2	19.8	41.0	84.7	104.5	83.4	119.1	120.4
85°	88.7	50.3	11.9	14.6	21.2	47.6	91.3	105.9	87.3	117.8	119.1
87.5°	84.7	47.6	14.6	14.6	23.8	50.3	94.0	111.2	90.0	113.8	112.5
90°	88.7	46.3	15.9	17.2	30.4	51.6	95.3	108.5	90.0	107.2	107.2
92.5°	91.3	45.0	17.2	19.8	37.1	58.2	94.0	105.9	90.0	99.2	99.2
95°	94.0	45.0	19.8	22.5	37.1	63.5	90.0	96.6	83.4	88.7	87.3
97.5°	71.5	33.1	23.8	25.1	34.4	49.0	72.8	75.4	54.3	52.9	51.6
100°	25.1	14.6	23.8	27.8	21.2	21.2	43.7	52.9	31.8	19.8	22.5
102.5°	7.9	6.6	21.2	27.8	17.2	7.9	22.5	33.1	23.8	2.6	2.6
105°	7.9	7.9	11.9	22.5	11.9	2.6	7.9	18.5	14.6	2.6	2.6
107.5°	7.9	6.6	5.3	13.2	4.0	2.6	4.0	4.0	4.0	1.3	2.6
110°	9.3	6.6	2.6	4.0	2.6	2.6	2.6	2.6	2.6	5.3	5.3

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CATALOG NUMBER: SDL-PA1-40-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.3	6.6	2.6	4.0	2.6	2.6	2.6	1.3	2.6	6.6	7.9
115°	7.9	6.6	2.6	2.6	2.6	2.6	1.3	1.3	2.6	7.9	7.9
117.5°	9.3	7.9	2.6	2.6	1.3	2.6	1.3	1.3	2.6	7.9	9.3
120°	10.6	9.3	2.6	2.6	1.3	1.3	1.3	1.3	2.6	6.6	7.9
122.5°	10.6	10.6	2.6	1.3	1.3	1.3	1.3	1.3	4.0	6.6	6.6
125°	9.3	9.3	2.6	1.3	1.3	1.3	1.3	1.3	4.0	6.6	6.6
127.5°	7.9	7.9	2.6	1.3	1.3	1.3	1.3	1.3	2.6	5.3	6.6
130°	6.6	6.6	2.6	1.3	1.3	1.3	0.0	1.3	2.6	5.3	5.3
132.5°	5.3	4.0	2.6	1.3	1.3	1.3	0.0	1.3	2.6	4.0	5.3
135°	4.0	4.0	1.3	1.3	1.3	1.3	0.0	0.0	2.6	2.6	4.0
137.5°	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	2.6	2.6
140°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
152.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
155°	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	1.3	1.3	1.3	1.3	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)