

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: P559981

Luminaire Tested: **SDL-PA1-20-727-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-727-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1809.7 lumens
Efficiency: N/A
Efficacy: 86.2 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 - U2 - G1

Input Watts (W): 21
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

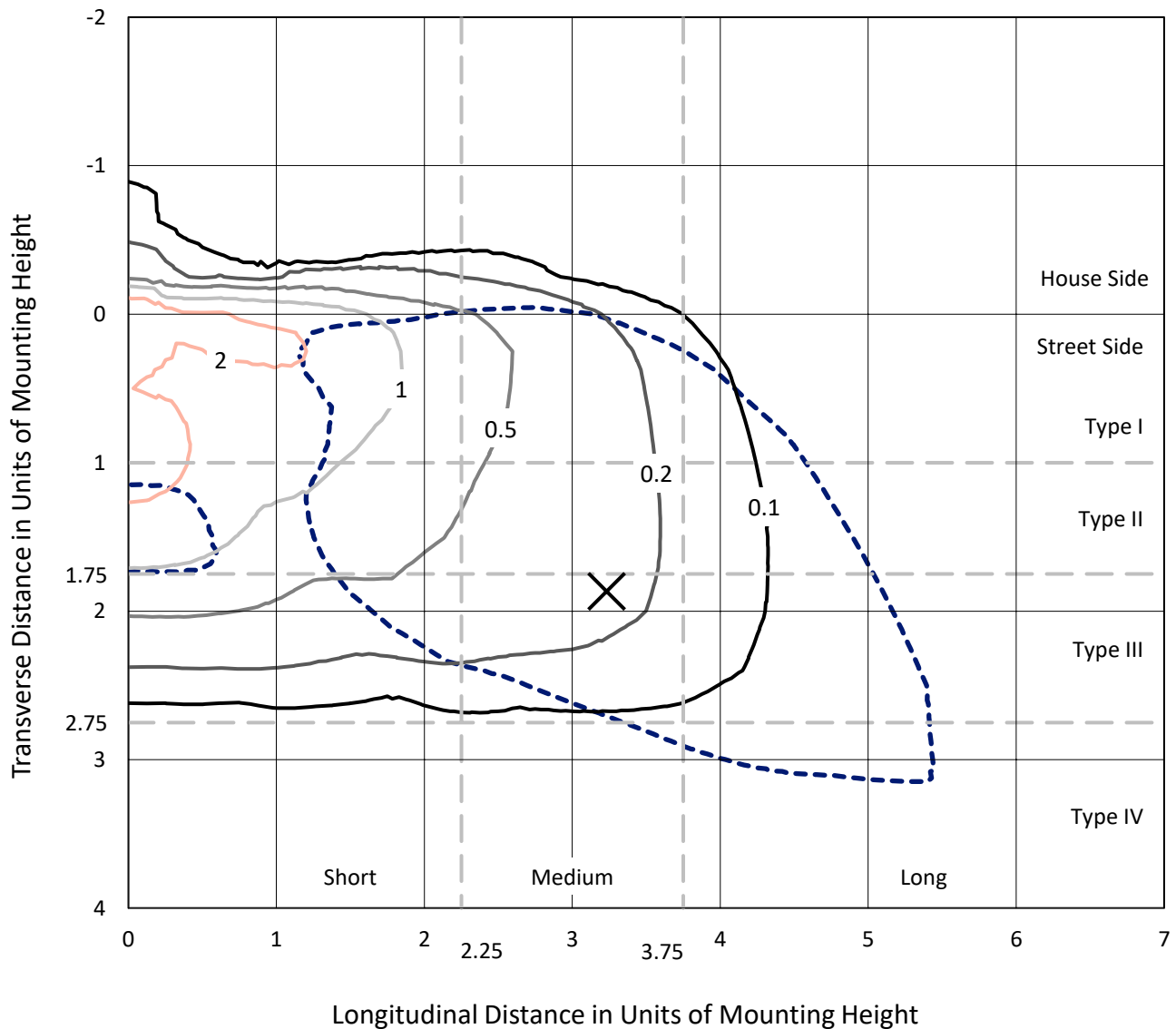


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

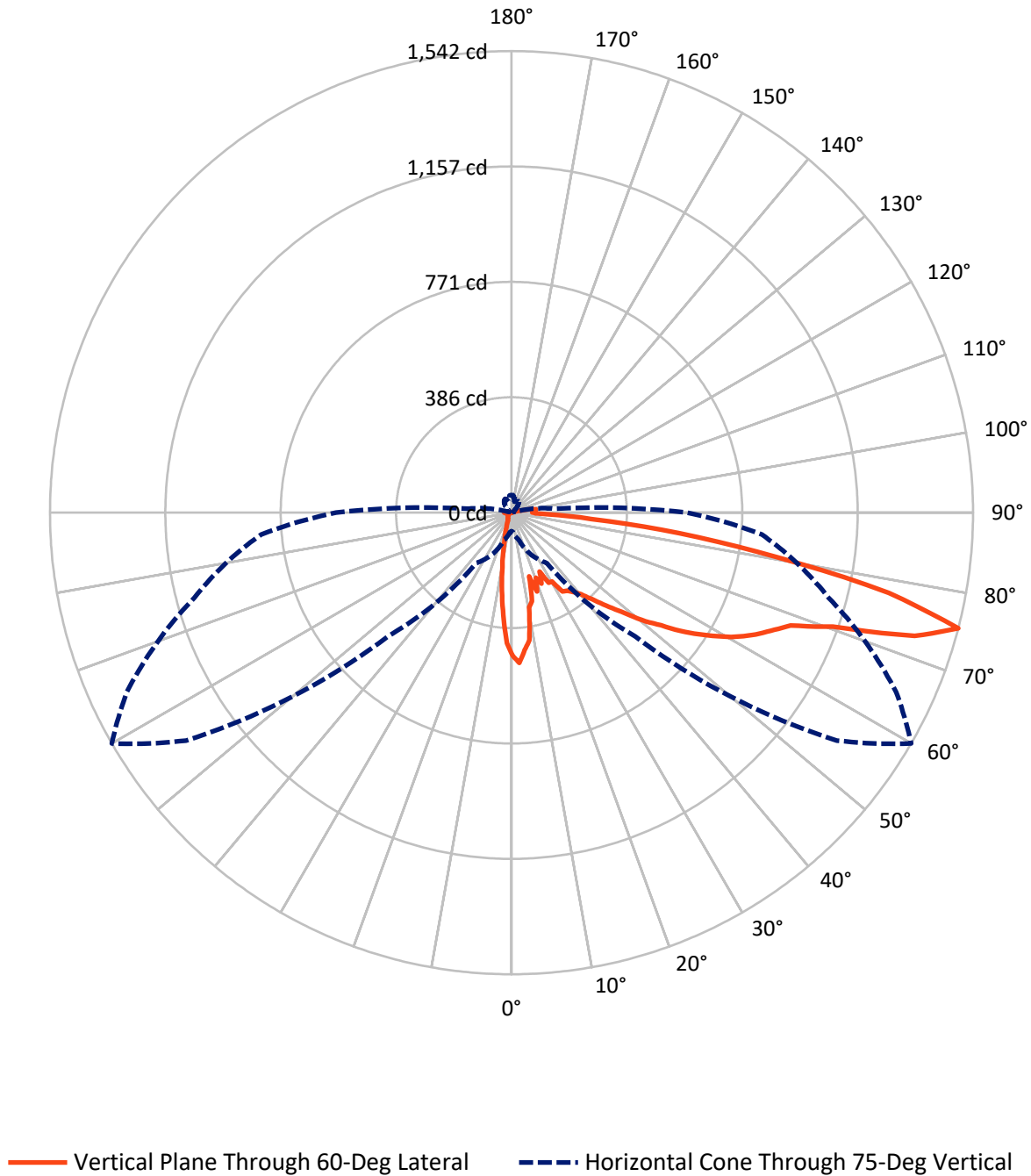


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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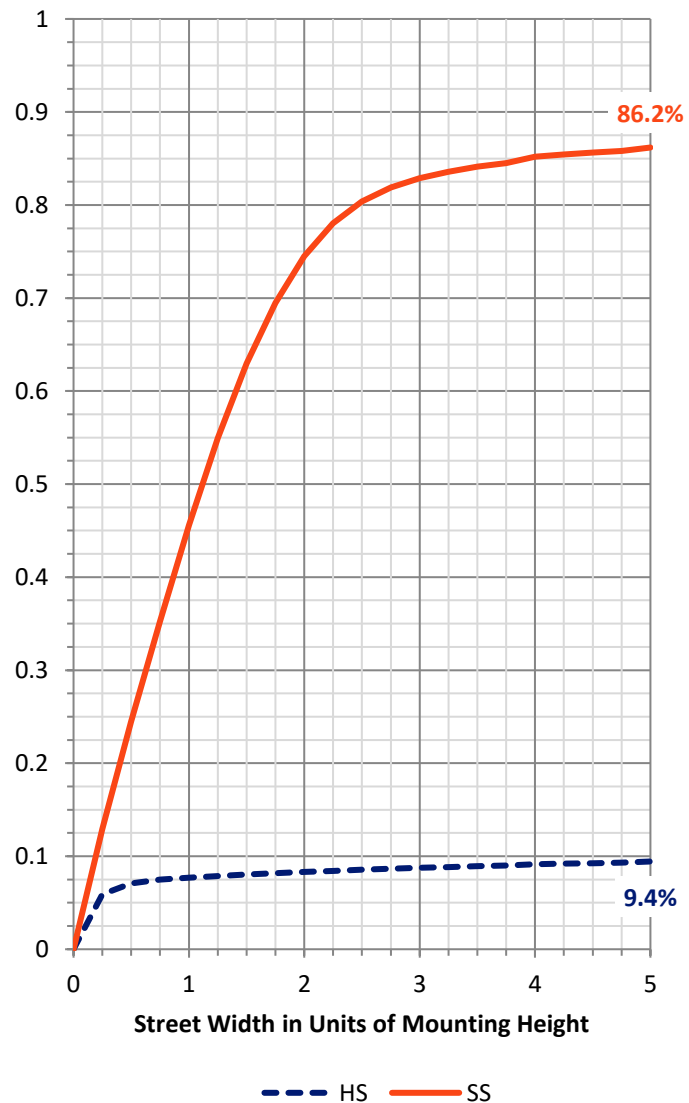
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	187.0	24.4	211.4
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	1572.9	25.5	1598.3
	% Fixture	86.9	1.4	88.3
Total	Lumens	1759.9	49.8	1809.7
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	1.8
10°-20°	54.5	3.0
20°-30°	77.0	4.3
30°-40°	138.4	7.6
40°-50°	233.1	12.9
50°-60°	362.6	20.0
60°-70°	427.9	23.6
70°-80°	347.1	19.2
80°-90°	86.2	4.8
90°-100°	34.8	1.9
100°-110°	8.1	0.4
110°-120°	2.5	0.1
120°-130°	2.2	0.1
130°-140°	1.2	0.1
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1759.9	97.2
0°-180°	1809.7	100.0

Coefficient of Utilization



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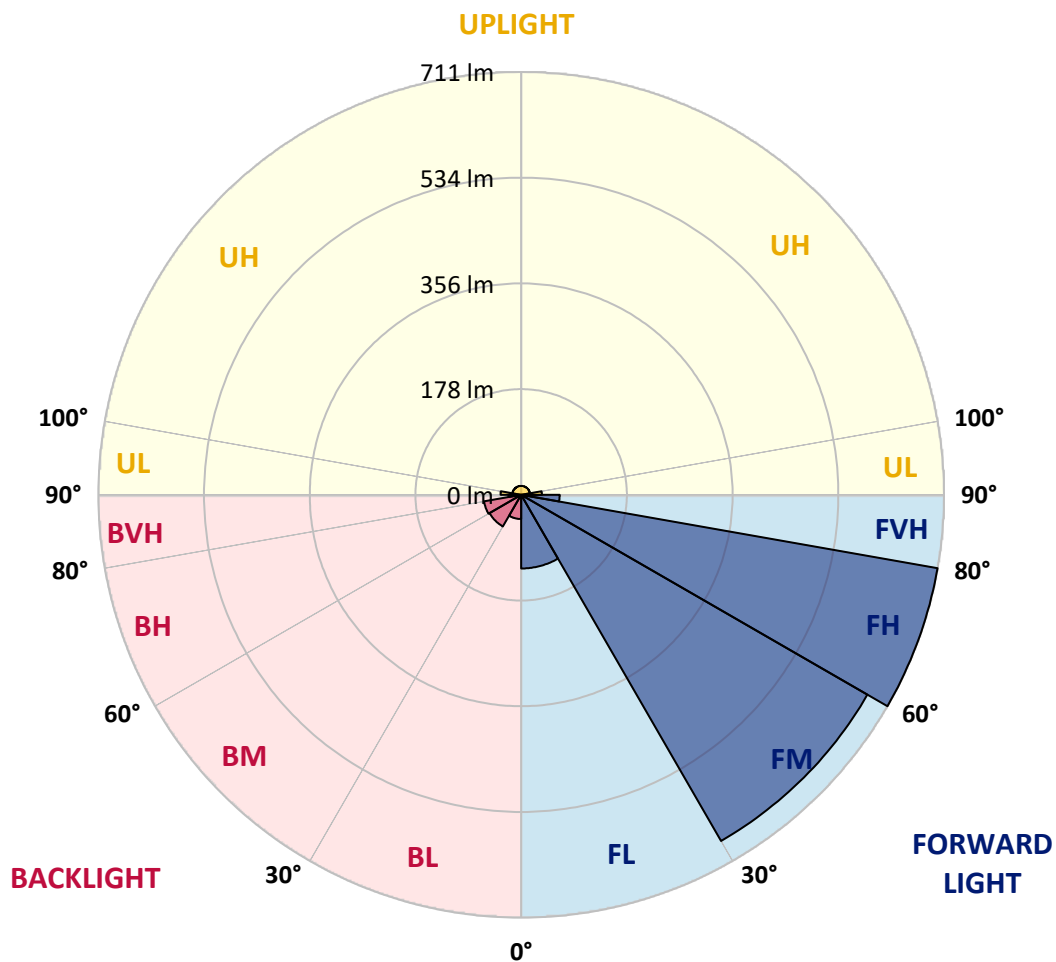
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.0	6.8			
FM	(30°-60°)	672.6	37.2			
FH	(60°-80°)	711.5	39.3			G1/1800
FVH	(80°-90°)	64.8	3.6			G1/100
BL	(0°-30°)	40.7	2.2	B0/110		
BM	(30°-60°)	61.5	3.4	B0/220		
BH	(60°-80°)	63.5	3.5	B0/110		G0/110
BVH	(80°-90°)	21.4	1.2			G1/100
UL	(90°-100°)	34.8	1.9		U2/50	
UH	(100°-180°)	15.0	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	478.4	478.4	478.4	478.4	478.4	478.4	478.4	478.4	478.4	478.4	478.4
2.5°	450.0	484.3	474.2	506.0	510.2	508.5	506.8	502.7	498.5	490.9	479.2
5°	431.6	434.9	432.4	438.3	439.1	441.6	437.4	460.8	500.1	490.1	471.7
7.5°	354.6	389.7	393.9	404.8	414.8	424.9	430.7	429.9	379.7	426.5	405.6
10°	362.1	367.2	366.3	373.9	365.5	351.3	320.3	321.2	321.2	331.2	342.1
12.5°	286.9	301.9	338.7	350.4	325.3	296.1	298.6	304.4	308.6	261.8	288.5
15°	325.3	326.2	327.0	327.0	245.1	280.2	244.2	220.8	252.6	309.5	314.5
17.5°	255.1	252.6	294.4	291.1	270.1	208.3	271.0	276.8	266.0	260.1	261.8
20°	299.4	299.4	296.9	236.7	249.2	268.5	232.5	231.7	245.1	304.4	307.8
22.5°	242.5	240.0	253.4	263.5	236.7	255.9	229.2	257.6	285.2	269.3	220.0
25°	303.6	303.6	293.6	228.3	245.1	220.0	254.3	218.3	242.5	329.5	313.6
27.5°	281.0	273.5	250.1	259.3	220.0	255.9	234.2	265.1	280.2	341.2	365.5
30°	363.0	360.5	333.7	260.9	250.1	235.0	251.7	266.8	322.8	442.4	422.4
32.5°	484.3	470.9	379.7	322.8	262.6	278.5	268.5	313.6	354.6	452.5	428.2
35°	516.9	506.8	463.3	392.3	294.4	294.4	288.5	320.3	363.8	474.2	440.8
37.5°	527.7	526.9	511.9	429.1	337.9	338.7	305.3	336.2	382.2	503.5	459.2
40°	534.4	536.1	551.2	467.5	383.9	382.2	336.2	358.8	410.7	535.3	492.6
42.5°	562.9	572.1	590.5	510.2	427.4	428.2	373.9	394.8	448.3	588.0	538.6
45°	626.4	628.9	639.8	568.7	468.4	474.2	421.5	443.3	494.3	645.7	590.5
47.5°	722.6	722.6	704.2	614.7	516.9	525.2	471.7	494.3	548.7	730.1	650.7
50°	807.9	801.2	761.1	669.1	556.2	574.6	537.8	563.7	594.7	794.5	726.0
52.5°	861.5	858.9	809.6	705.9	598.0	628.9	592.1	625.6	648.2	861.5	793.7
55°	853.9	853.9	822.1	725.1	636.5	678.3	662.4	704.2	712.6	925.0	843.1
57.5°	825.5	829.7	814.6	732.7	644.0	725.1	734.3	773.6	787.9	961.8	874.0
60°	767.8	776.1	792.0	742.7	673.3	777.8	807.9	843.1	869.8	989.4	899.9
62.5°	659.9	670.8	726.8	741.9	695.9	832.2	870.7	901.6	926.7	1004.5	918.3
65°	500.1	520.2	601.3	688.3	694.2	895.7	921.7	951.8	976.0	1019.5	966.0
67.5°	319.5	320.3	408.1	568.7	647.3	985.2	990.3	1005.3	1021.2	1061.3	1033.7
70°	164.8	173.1	214.9	363.0	530.3	1003.6	1161.7	1140.0	1115.7	1152.5	1121.6
72.5°	109.6	118.8	141.3	195.7	332.9	904.9	1348.2	1408.4	1301.4	1220.3	1044.6
75°	61.9	66.9	94.5	154.7	205.7	584.6	1327.3	1542.3	1418.5	1096.5	839.7
77.5°	27.6	29.3	42.7	121.3	176.5	285.2	1044.6	1288.8	1239.5	914.1	605.5
80°	15.1	15.1	20.1	56.0	149.7	214.9	693.3	897.4	843.1	551.2	275.2
82.5°	8.4	9.2	11.7	26.8	91.2	196.5	438.3	562.9	444.9	151.4	111.2
85°	3.3	3.3	5.0	14.2	33.5	166.4	240.0	267.6	179.8	76.9	86.1
87.5°	1.7	1.7	1.7	5.0	10.9	42.7	78.6	84.5	66.1	61.1	74.4
90°	2.5	2.5	1.7	1.7	7.5	45.2	66.1	69.4	54.4	61.1	75.3
92.5°	3.3	2.5	1.7	1.7	5.9	45.2	75.3	74.4	54.4	61.1	77.8
95°	4.2	3.3	1.7	1.7	5.9	40.1	90.3	81.1	58.5	61.9	82.0
97.5°	4.2	4.2	1.7	1.7	5.9	30.9	95.3	82.0	51.0	40.1	56.0
100°	5.0	5.0	1.7	1.7	6.7	18.4	66.1	61.1	36.0	13.4	15.9
102.5°	5.9	5.9	1.7	1.7	4.2	9.2	31.8	30.9	20.1	3.3	5.9
105°	5.9	6.7	1.7	1.7	1.7	4.2	11.7	14.2	10.0	3.3	5.9
107.5°	6.7	7.5	1.7	1.7	1.7	2.5	5.0	5.0	3.3	3.3	5.9
110°	6.7	6.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.3	5.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	5.0	5.0	0.8	1.7	1.7	1.7	0.8	1.7	1.7	2.5	5.0
115°	2.5	1.7	0.8	1.7	0.8	1.7	0.8	1.7	2.5	2.5	5.9
117.5°	0.8	0.8	0.8	0.8	0.8	1.7	0.8	1.7	1.7	4.2	7.5
120°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	5.9	9.2
122.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	5.9	10.9
125°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	4.2	10.0
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	4.2	8.4
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	3.3	7.5
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	3.3	5.9
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	4.2
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7
140°	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
150°	3.3	3.3	3.3	2.5	1.7	0.8	2.5	1.7	0.8	0.8	0.8
152.5°	2.5	2.5	4.2	1.7	0.8	0.8	0.8	2.5	2.5	0.8	0.8
155°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8	2.5	3.3
157.5°	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	1.7	0.8
160°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	478.4	478.4	478.4	478.4	478.4	478.4	478.4	478.4	478.4	478.4	478.4
2.5°	475.1	470.0	456.7	444.1	429.1	419.9	388.1	352.1	344.6	342.9	337.1
5°	463.3	452.5	426.5	371.3	316.1	291.1	279.3	270.1	257.6	255.1	251.7
7.5°	393.1	374.7	334.5	266.8	258.4	235.0	215.8	199.9	165.6	156.4	151.4
10°	327.0	311.1	228.3	194.0	176.5	158.9	138.0	122.1	107.9	101.2	98.7
12.5°	264.3	248.4	170.6	153.9	109.6	90.3	78.6	65.2	54.4	48.5	48.5
15°	292.7	266.8	176.5	109.6	71.9	53.5	39.3	35.1	41.0	41.8	41.8
17.5°	239.2	213.3	138.8	85.3	52.7	29.3	31.8	36.0	39.3	34.3	35.1
20°	275.2	239.2	139.7	64.4	33.5	28.4	29.3	26.8	36.0	36.8	36.8
22.5°	208.3	188.2	105.4	51.0	25.9	26.8	25.1	30.1	33.5	29.3	28.4
25°	269.3	221.6	107.1	32.6	25.9	21.7	25.9	23.4	30.9	31.8	31.8
27.5°	308.6	248.4	93.7	28.4	21.7	23.4	20.9	24.3	23.4	23.4	23.4
30°	350.4	271.0	91.2	27.6	20.9	19.2	20.1	19.2	22.6	23.4	23.4
32.5°	350.4	259.3	69.4	27.6	20.1	18.4	15.9	17.6	18.4	20.1	20.9
35°	352.9	249.2	51.0	25.1	18.4	15.9	14.2	14.2	15.9	16.7	16.7
37.5°	360.5	242.5	39.3	23.4	16.7	14.2	11.7	12.5	21.7	24.3	24.3
40°	381.4	242.5	33.5	21.7	15.1	12.5	10.0	15.9	18.4	21.7	21.7
42.5°	414.0	245.9	31.8	20.9	13.4	10.9	8.4	12.5	22.6	25.9	26.8
45°	448.3	252.6	30.1	20.1	12.5	9.2	10.0	15.1	17.6	23.4	23.4
47.5°	496.0	266.8	29.3	19.2	11.7	7.5	9.2	15.1	19.2	25.1	25.1
50°	547.8	281.9	27.6	18.4	10.0	6.7	14.2	12.5	15.9	25.9	25.9
52.5°	601.3	299.4	26.8	17.6	9.2	9.2	15.9	15.1	19.2	25.1	25.9
55°	648.2	313.6	25.1	17.6	8.4	8.4	16.7	15.1	17.6	23.4	24.3
57.5°	670.8	316.1	24.3	16.7	7.5	8.4	15.9	18.4	15.9	19.2	20.9
60°	699.2	322.8	21.7	15.1	6.7	10.9	18.4	24.3	21.7	25.1	26.8
62.5°	726.0	327.9	19.2	13.4	5.9	11.7	24.3	29.3	23.4	29.3	32.6
65°	775.3	338.7	15.9	10.9	5.0	13.4	27.6	35.1	25.9	34.3	34.3
67.5°	843.9	356.3	12.5	9.2	5.0	15.1	28.4	40.1	30.9	37.6	36.8
70°	870.7	327.9	10.9	8.4	5.0	17.6	30.9	43.5	32.6	41.8	41.8
72.5°	759.4	236.7	9.2	8.4	8.4	20.1	38.5	47.7	36.0	52.7	51.9
75°	586.3	148.9	9.2	8.4	10.0	25.1	43.5	51.0	38.5	58.5	57.7
77.5°	390.6	70.3	9.2	9.2	11.7	27.6	46.8	54.4	42.7	65.2	64.4
80°	153.1	38.5	10.0	10.0	14.2	29.3	50.2	56.0	44.3	70.3	69.4
82.5°	73.6	26.8	10.0	10.0	19.2	32.6	53.5	58.5	46.0	71.1	70.3
85°	62.7	25.1	9.2	10.9	23.4	41.0	56.9	57.7	46.8	67.7	67.7
87.5°	56.0	24.3	9.2	10.9	31.8	47.7	59.4	56.9	50.2	66.1	66.1
90°	57.7	25.9	10.0	12.5	36.0	48.5	60.2	56.9	48.5	61.1	61.1
92.5°	61.9	27.6	10.9	13.4	36.0	45.2	56.0	51.0	45.2	51.9	51.0
95°	65.2	29.3	11.7	15.1	31.8	35.1	46.8	41.0	37.6	40.1	40.1
97.5°	50.2	22.6	13.4	16.7	24.3	20.9	29.3	26.8	20.1	16.7	16.7
100°	13.4	7.5	14.2	16.7	16.7	14.2	21.7	20.1	13.4	5.9	5.9
102.5°	5.0	5.0	13.4	15.9	13.4	10.9	15.9	15.1	10.9	1.7	1.7
105°	5.0	4.2	8.4	12.5	8.4	5.9	8.4	10.0	6.7	1.7	1.7
107.5°	5.0	4.2	5.0	7.5	3.3	2.5	3.3	3.3	3.3	0.8	1.7
110°	5.0	4.2	2.5	3.3	2.5	2.5	2.5	1.7	1.7	3.3	3.3

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CATALOG NUMBER: SDL-PA1-20-727-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.0	4.2	2.5	3.3	2.5	2.5	1.7	1.7	2.5	5.0	5.0
115°	5.0	4.2	2.5	2.5	1.7	2.5	1.7	0.8	2.5	5.9	6.7
117.5°	6.7	4.2	1.7	1.7	1.7	1.7	1.7	0.8	2.5	7.5	8.4
120°	8.4	5.0	1.7	1.7	1.7	0.8	1.7	0.8	3.3	7.5	8.4
122.5°	9.2	5.9	1.7	1.7	1.7	0.8	0.8	1.7	3.3	7.5	7.5
125°	9.2	5.9	1.7	1.7	0.8	0.8	0.8	0.8	3.3	7.5	8.4
127.5°	7.5	5.0	1.7	1.7	0.8	0.8	0.8	0.8	3.3	6.7	7.5
130°	6.7	5.0	1.7	1.7	0.8	0.8	0.8	0.8	3.3	5.9	6.7
132.5°	5.0	4.2	1.7	0.8	0.8	0.8	0.8	0.8	3.3	5.0	5.9
135°	4.2	2.5	1.7	0.8	0.8	0.8	0.8	0.8	2.5	5.0	5.0
137.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	2.5
140°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
142.5°	0.8	1.7	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
145°	0.8	1.7	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
147.5°	0.8	1.7	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
150°	0.8	1.7	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.7
152.5°	0.8	1.7	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
155°	3.3	2.5	1.7	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
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)