

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: P560275

Luminaire Tested: **SDL-PA1-30-827-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-827-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1899.6 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 30.1
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

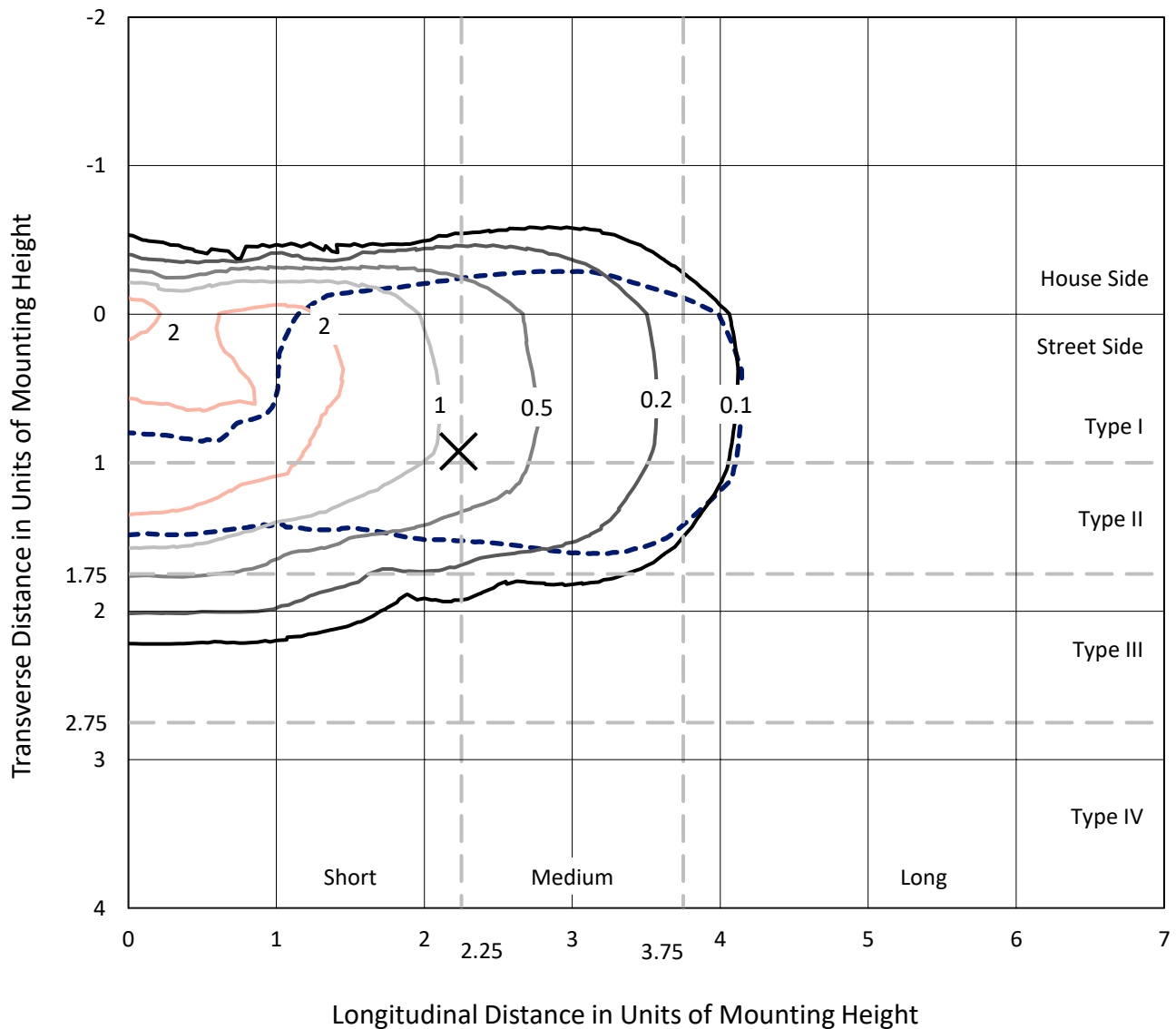


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

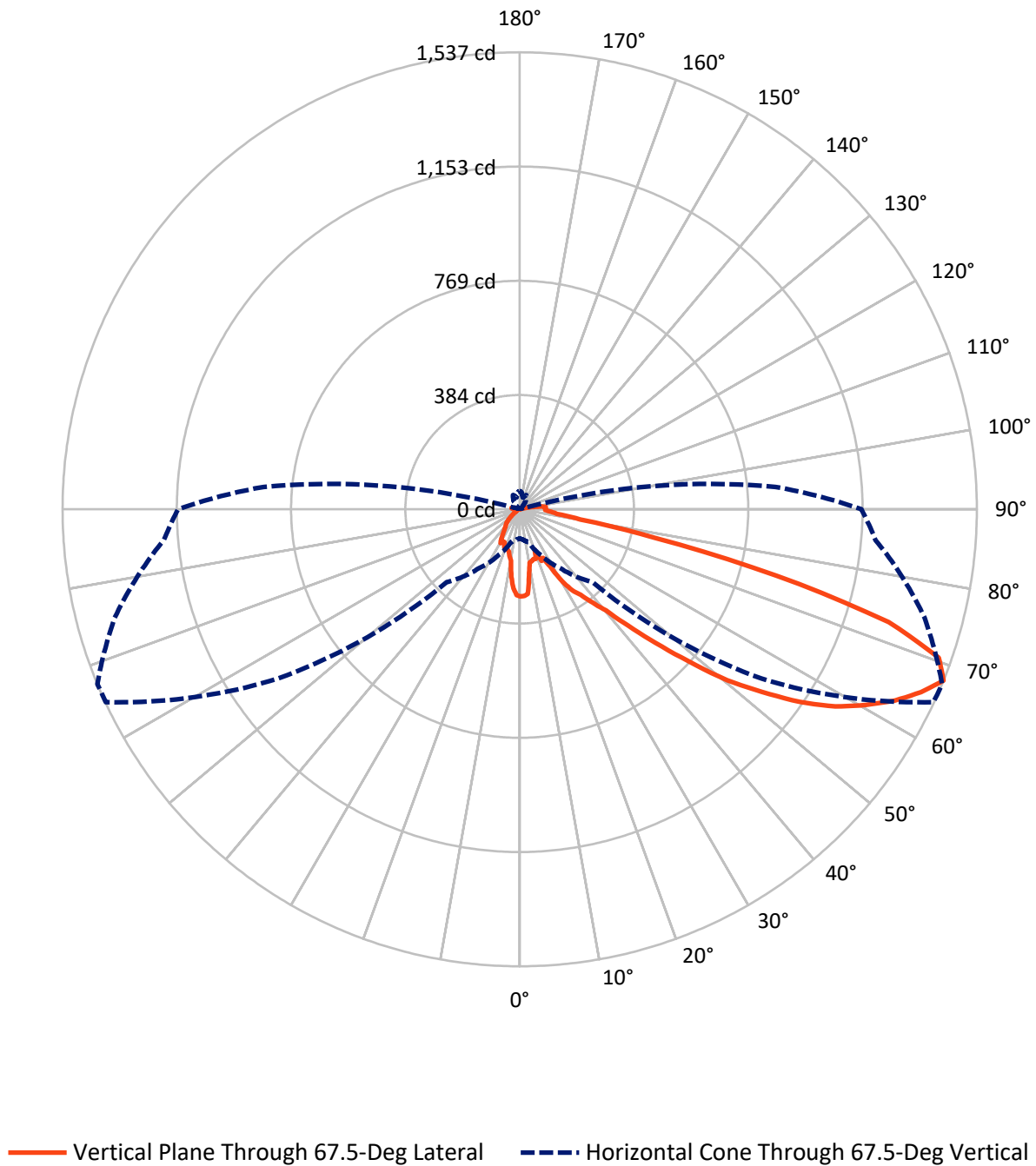


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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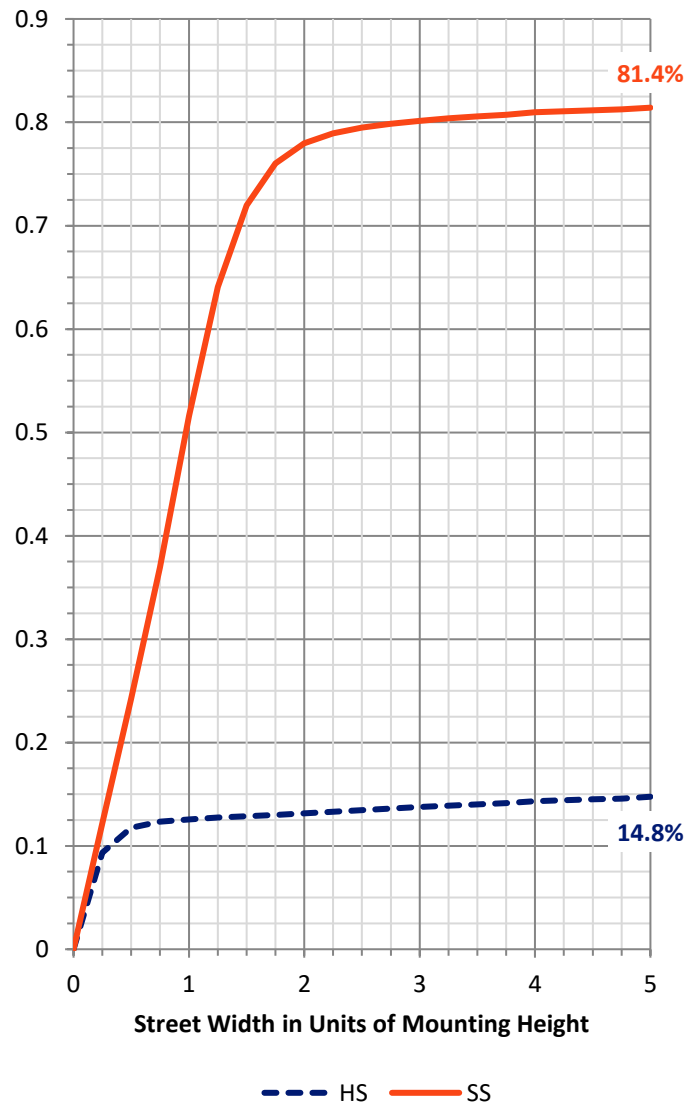
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	297.3	22.1	319.4
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	1556.7	23.5	1580.2
	% Fixture	81.9	1.2	83.2
Total	Lumens	1854.0	45.6	1899.6
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	1.2
10°-20°	42.9	2.3
20°-30°	64.8	3.4
30°-40°	149.2	7.9
40°-50°	332.6	17.5
50°-60°	494.9	26.1
60°-70°	441.4	23.2
70°-80°	247.8	13.0
80°-90°	57.8	3.0
90°-100°	31.8	1.7
100°-110°	7.3	0.4
110°-120°	2.8	0.1
120°-130°	1.9	0.1
130°-140°	1.0	0.1
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1854.0	97.6
0°-180°	1899.6	100.0

Coefficient of Utilization



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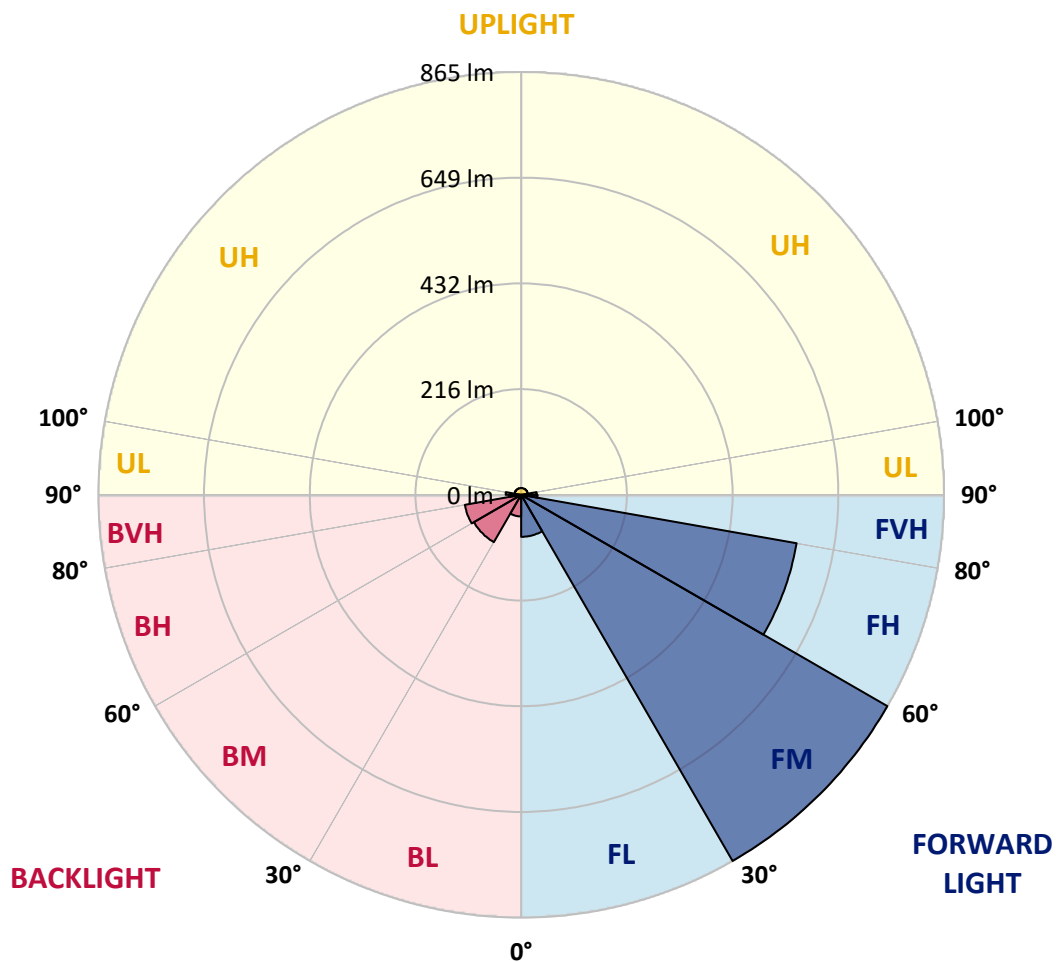
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.9	4.5			
FM	(30°-60°)	865.0	45.5			
FH	(60°-80°)	572.2	30.1			G0/660
FVH	(80°-90°)	33.6	1.8			G1/100
BL	(0°-30°)	44.3	2.3	B0/110		
BM	(30°-60°)	111.7	5.9	B0/220		
BH	(60°-80°)	117.0	6.2	B1/500		G1/500
BVH	(80°-90°)	24.3	1.3			G1/100
UL	(90°-100°)	31.8	1.7		U2/50	
UH	(100°-180°)	13.9	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0
2.5°	248.4	262.6	277.8	288.0	290.0	293.0	293.0	292.0	292.0	291.0	291.0
5°	241.3	240.3	241.3	243.4	242.3	242.3	242.3	282.9	285.9	288.0	288.0
7.5°	207.9	212.9	229.2	235.2	237.3	239.3	239.3	236.3	225.1	249.4	252.5
10°	226.1	225.1	225.1	227.1	211.9	205.8	185.6	182.5	182.5	190.6	217.0
12.5°	189.6	200.8	216.0	222.1	204.8	181.5	176.4	180.5	179.5	157.2	183.5
15°	215.0	215.0	212.9	208.9	161.2	180.5	152.1	152.1	173.4	186.6	209.9
17.5°	174.4	179.5	204.8	201.8	177.4	135.9	177.4	163.3	175.4	164.3	176.4
20°	214.0	212.9	214.0	163.3	180.5	186.6	177.4	159.2	145.0	190.6	210.9
22.5°	176.4	174.4	184.5	201.8	170.3	193.7	162.2	193.7	188.6	169.3	152.1
25°	228.1	227.1	229.2	178.5	199.8	173.4	199.8	173.4	181.5	217.0	222.1
27.5°	205.8	204.8	201.8	218.0	189.6	219.0	188.6	211.9	218.0	235.2	272.8
30°	290.0	285.9	275.8	219.0	223.1	210.9	223.1	260.6	280.9	315.3	326.5
32.5°	422.8	401.5	334.6	290.0	236.3	269.7	252.5	306.2	325.5	342.7	351.9
35°	546.5	537.4	488.7	383.3	288.0	298.1	284.9	342.7	353.9	390.4	388.4
37.5°	715.9	700.7	625.6	494.8	362.0	357.9	324.5	390.4	398.5	451.2	441.1
40°	842.6	830.5	771.6	614.5	460.3	424.9	379.2	456.3	447.2	518.1	504.0
42.5°	964.3	957.2	911.6	751.4	568.8	528.3	436.0	537.4	535.4	597.2	585.1
45°	1062.7	1054.5	1025.1	874.1	693.6	694.6	525.2	626.6	640.8	699.6	668.2
47.5°	1120.5	1103.2	1081.9	971.4	819.3	853.8	657.1	728.0	762.5	813.2	765.6
50°	1107.3	1090.0	1092.1	1033.3	934.9	990.7	798.0	835.5	904.5	944.0	849.7
52.5°	1001.8	991.7	1025.1	1022.1	993.7	1116.4	962.3	952.1	1020.1	1046.4	935.9
55°	851.7	837.6	900.4	945.0	993.7	1194.5	1114.4	1081.9	1143.8	1139.7	994.7
57.5°	646.9	652.0	723.0	792.9	912.6	1209.7	1226.9	1222.9	1251.3	1216.8	1041.4
60°	442.1	445.1	545.5	624.6	748.3	1129.6	1263.4	1339.5	1336.4	1281.7	1094.1
62.5°	277.8	276.8	352.9	477.6	538.4	919.7	1249.2	1427.7	1416.5	1330.3	1134.6
65°	160.2	164.3	191.6	316.4	374.2	627.7	1167.1	1513.9	1482.4	1373.9	1178.3
67.5°	98.4	101.4	114.6	171.4	244.4	346.8	992.7	1535.2	1537.2	1409.4	1201.6
70°	83.1	84.2	90.2	105.5	170.3	194.7	668.2	1435.8	1494.6	1417.6	1194.5
72.5°	70.0	71.0	80.1	92.3	126.7	137.9	300.1	1186.4	1297.9	1355.7	1142.8
75°	51.7	52.7	65.9	84.2	92.3	110.5	164.3	785.8	891.3	1071.8	974.4
77.5°	33.5	34.5	46.6	67.9	78.1	87.2	132.8	367.1	464.4	619.5	615.5
80°	22.3	22.3	27.4	47.7	61.9	71.0	115.6	181.5	206.9	255.5	239.3
82.5°	14.2	14.2	17.2	29.4	39.5	71.0	108.5	129.8	125.7	127.8	113.6
85°	6.1	6.1	9.1	16.2	21.3	46.6	97.3	111.5	106.5	106.5	101.4
87.5°	2.0	2.0	3.0	5.1	7.1	14.2	75.0	89.2	86.2	89.2	96.3
90°	2.0	2.0	1.0	2.0	2.0	10.1	60.8	88.2	86.2	90.2	99.4
92.5°	3.0	3.0	1.0	1.0	2.0	8.1	47.7	91.3	88.2	94.3	103.4
95°	5.1	5.1	2.0	1.0	3.0	7.1	29.4	81.1	88.2	93.3	105.5
97.5°	6.1	6.1	2.0	2.0	3.0	6.1	15.2	65.9	67.9	71.0	83.1
100°	8.1	8.1	2.0	2.0	2.0	5.1	8.1	34.5	35.5	25.3	40.6
102.5°	8.1	8.1	2.0	2.0	2.0	3.0	4.1	15.2	14.2	5.1	5.1
105°	9.1	9.1	3.0	2.0	2.0	2.0	2.0	5.1	5.1	3.0	6.1
107.5°	9.1	9.1	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	6.1
110°	7.1	7.1	3.0	3.0	2.0	1.0	1.0	1.0	2.0	3.0	7.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	5.1	5.1	2.0	3.0	2.0	1.0	1.0	1.0	2.0	4.1	10.1
115°	2.0	2.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0	3.0	8.1
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	7.1
120°	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	4.1	7.1
122.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	4.1	7.1
125°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	3.0	6.1
127.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0	6.1
130°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0	4.1
132.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0	3.0
135°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	2.0
137.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	2.0	2.0	1.0	0.0	2.0	1.0	1.0	1.0	1.0
152.5°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	2.0	1.0	1.0	1.0
155°	2.0	2.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0	3.0
157.5°	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	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°	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0
2.5°	290.0	290.0	289.0	289.0	285.9	284.9	271.7	257.6	246.4	247.4	247.4
5°	287.0	284.9	281.9	261.6	236.3	232.2	232.2	230.2	229.2	230.2	230.2
7.5°	250.5	248.4	236.3	226.1	227.1	225.1	221.0	220.0	202.8	185.6	184.5
10°	216.0	212.9	180.5	173.4	172.4	179.5	196.7	190.6	184.5	177.4	180.5
12.5°	180.5	179.5	150.1	166.3	145.0	149.1	153.1	147.0	125.7	101.4	104.4
15°	208.9	205.8	170.3	137.9	123.7	124.7	82.1	79.1	63.9	57.8	54.8
17.5°	155.1	170.3	149.1	137.9	124.7	64.9	52.7	40.6	36.5	29.4	30.4
20°	207.9	203.8	170.3	128.8	96.3	54.8	29.4	23.3	28.4	29.4	29.4
22.5°	147.0	143.0	144.0	136.9	67.9	31.4	22.3	23.3	21.3	20.3	20.3
25°	216.0	208.9	174.4	104.4	50.7	20.3	21.3	16.2	19.3	19.3	19.3
27.5°	262.6	238.3	183.5	101.4	28.4	20.3	15.2	16.2	13.2	13.2	13.2
30°	314.3	300.1	240.3	94.3	22.3	16.2	14.2	11.2	12.2	12.2	12.2
32.5°	337.7	318.4	240.3	75.0	19.3	15.2	11.2	10.1	10.1	11.2	11.2
35°	371.1	350.8	239.3	49.7	16.2	12.2	9.1	9.1	9.1	9.1	9.1
37.5°	421.8	392.4	243.4	31.4	13.2	10.1	7.1	8.1	8.1	17.2	17.2
40°	478.6	445.1	232.2	22.3	11.2	8.1	6.1	10.1	14.2	15.2	15.2
42.5°	550.6	514.1	216.0	19.3	10.1	6.1	5.1	8.1	12.2	19.3	19.3
45°	636.8	582.0	193.7	17.2	8.1	5.1	5.1	10.1	15.2	18.3	18.3
47.5°	713.8	647.9	155.1	16.2	7.1	4.1	7.1	11.2	13.2	21.3	21.3
50°	804.1	716.9	118.6	14.2	6.1	4.1	11.2	12.2	15.2	19.3	19.3
52.5°	871.0	774.7	90.2	13.2	6.1	3.0	11.2	11.2	17.2	22.3	22.3
55°	924.8	806.1	64.9	11.2	5.1	3.0	13.2	14.2	15.2	17.2	17.2
57.5°	966.3	828.4	50.7	10.1	5.1	7.1	16.2	18.3	16.2	17.2	17.2
60°	1014.0	839.6	37.5	9.1	4.1	7.1	19.3	24.3	18.3	26.4	25.3
62.5°	1057.6	847.7	30.4	9.1	4.1	8.1	21.3	30.4	24.3	35.5	36.5
65°	1112.3	857.8	25.3	7.1	4.1	11.2	25.3	40.6	32.4	46.6	48.7
67.5°	1148.8	863.9	21.3	7.1	4.1	13.2	35.5	52.7	40.6	58.8	60.8
70°	1152.9	841.6	17.2	7.1	4.1	20.3	48.7	63.9	50.7	75.0	76.0
72.5°	1100.2	777.7	14.2	8.1	4.1	22.3	56.8	74.0	59.8	99.4	100.4
75°	889.3	545.5	13.2	8.1	4.1	28.4	61.9	81.1	66.9	103.4	105.5
77.5°	546.5	252.5	12.2	9.1	6.1	31.4	62.9	86.2	70.0	103.4	106.5
80°	211.9	124.7	11.2	10.1	14.2	35.5	67.9	87.2	70.0	96.3	100.4
82.5°	98.4	73.0	11.2	11.2	18.3	36.5	66.9	81.1	64.9	86.2	85.2
85°	88.2	72.0	12.2	12.2	19.3	31.4	52.7	69.0	55.8	67.9	67.9
87.5°	86.2	71.0	13.2	15.2	19.3	18.3	40.6	58.8	47.7	50.7	50.7
90°	88.2	74.0	14.2	17.2	16.2	10.1	32.4	48.7	36.5	32.4	31.4
92.5°	94.3	75.0	17.2	20.3	15.2	8.1	27.4	39.5	26.4	21.3	20.3
95°	99.4	77.1	21.3	24.3	16.2	7.1	24.3	31.4	19.3	13.2	12.2
97.5°	83.1	59.8	24.3	26.4	16.2	7.1	21.3	25.3	15.2	7.1	7.1
100°	35.5	26.4	25.3	28.4	15.2	6.1	18.3	20.3	10.1	3.0	4.1
102.5°	7.1	8.1	22.3	26.4	12.2	4.1	12.2	12.2	7.1	1.0	2.0
105°	7.1	6.1	14.2	22.3	7.1	2.0	5.1	7.1	3.0	1.0	1.0
107.5°	7.1	7.1	5.1	11.2	3.0	2.0	2.0	3.0	2.0	1.0	1.0
110°	8.1	7.1	2.0	3.0	2.0	2.0	2.0	2.0	1.0	5.1	6.1

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CATALOG NUMBER: SDL-PA1-30-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.1	9.1	2.0	3.0	3.0	2.0	1.0	1.0	2.0	7.1	8.1
115°	9.1	8.1	3.0	3.0	2.0	2.0	1.0	1.0	2.0	8.1	9.1
117.5°	7.1	7.1	3.0	2.0	2.0	2.0	1.0	1.0	2.0	8.1	8.1
120°	8.1	7.1	3.0	2.0	1.0	1.0	1.0	1.0	2.0	6.1	6.1
122.5°	8.1	7.1	3.0	2.0	1.0	1.0	1.0	1.0	2.0	6.1	7.1
125°	7.1	6.1	3.0	2.0	1.0	1.0	1.0	1.0	3.0	6.1	6.1
127.5°	6.1	5.1	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.1	5.1
130°	4.1	4.1	2.0	1.0	1.0	1.0	1.0	1.0	3.0	4.1	4.1
132.5°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1	4.1
135°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
152.5°	1.0	1.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
155°	3.0	3.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.0	1.0	1.0	1.0	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)