

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: P560282

Luminaire Tested: **SDL-PA1-30-827-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
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-T4W-A
Description: Springdale
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2578.2 lumens
Efficiency: N/A
Efficacy: 85.7 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): 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

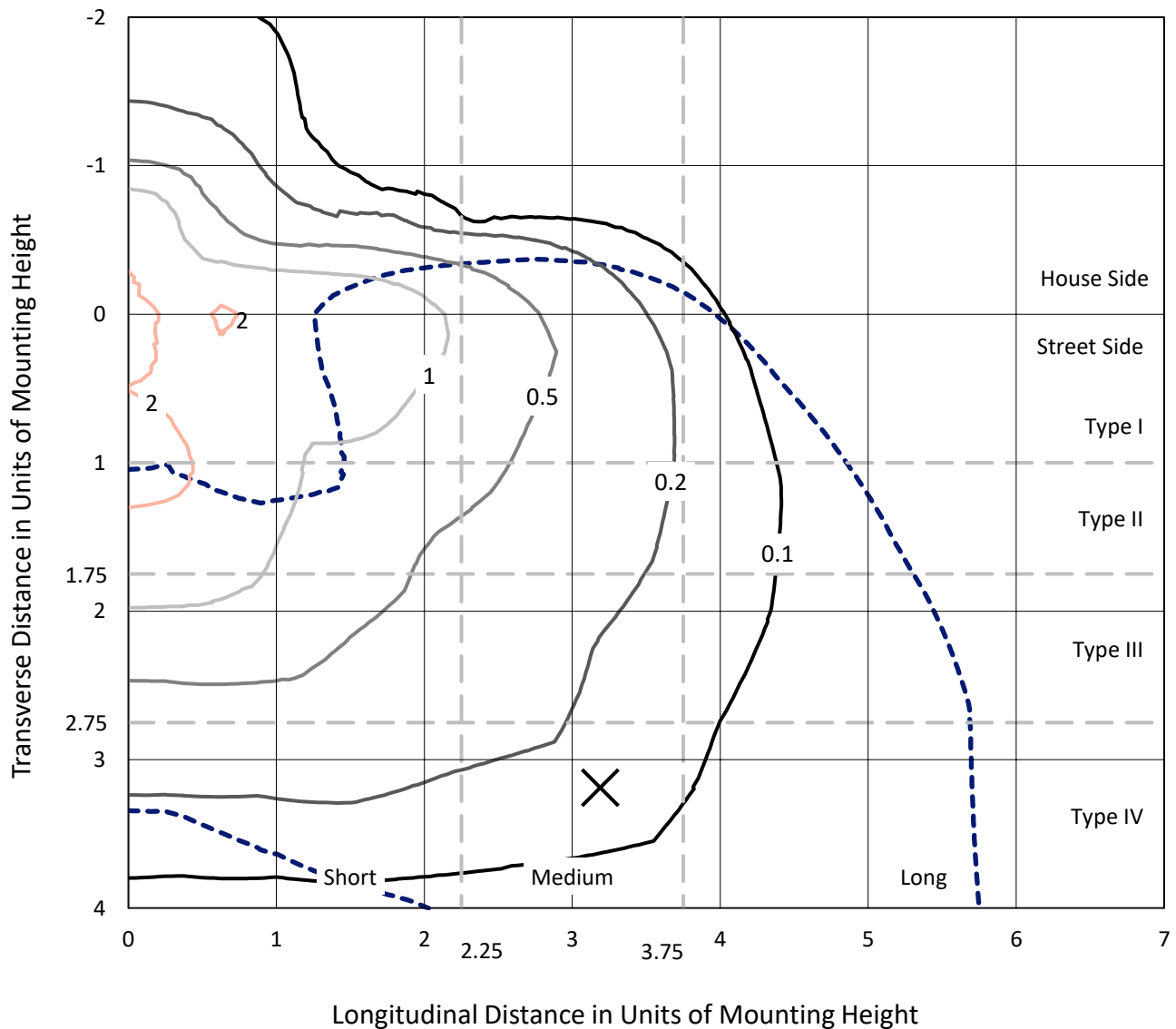


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

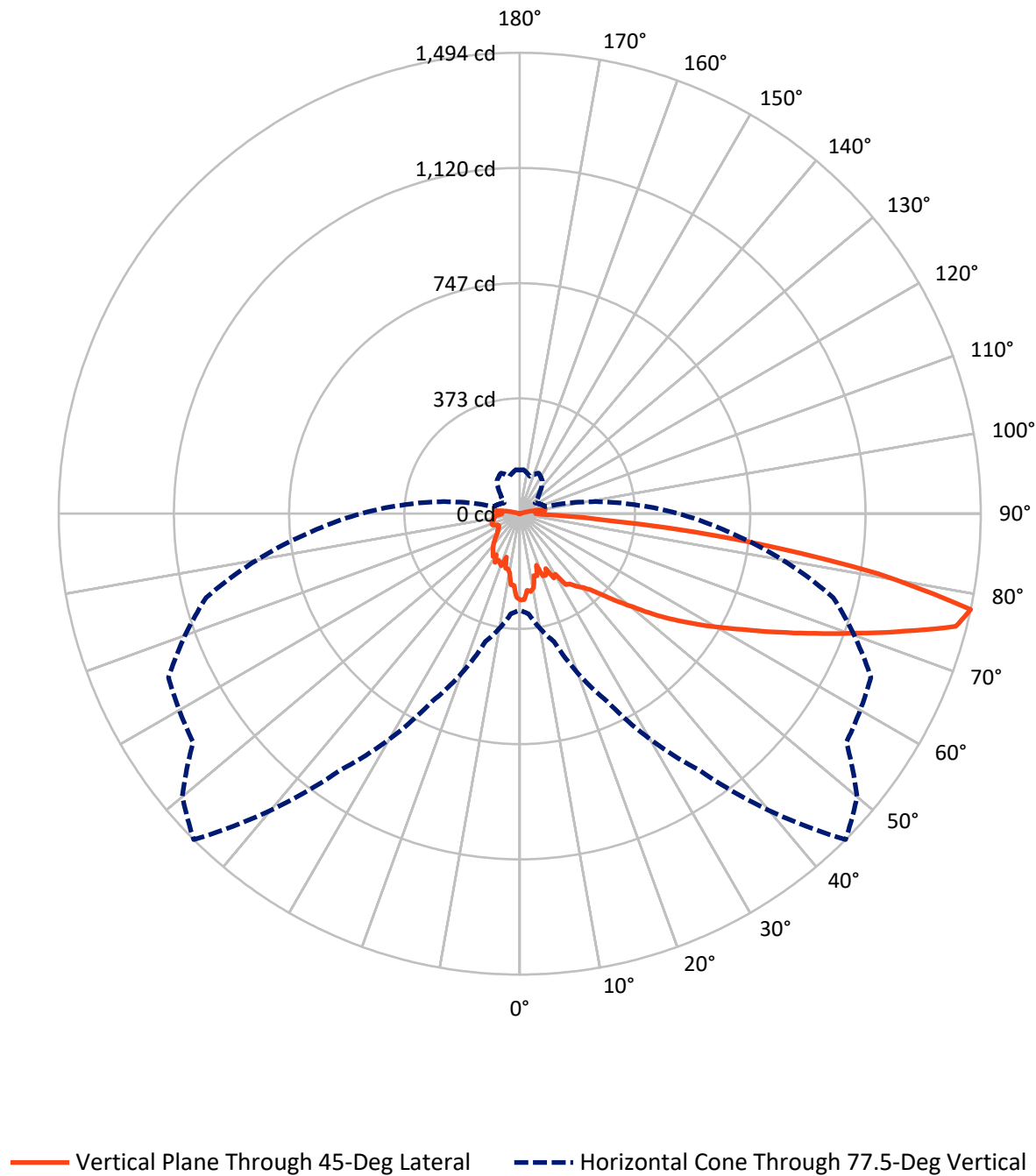


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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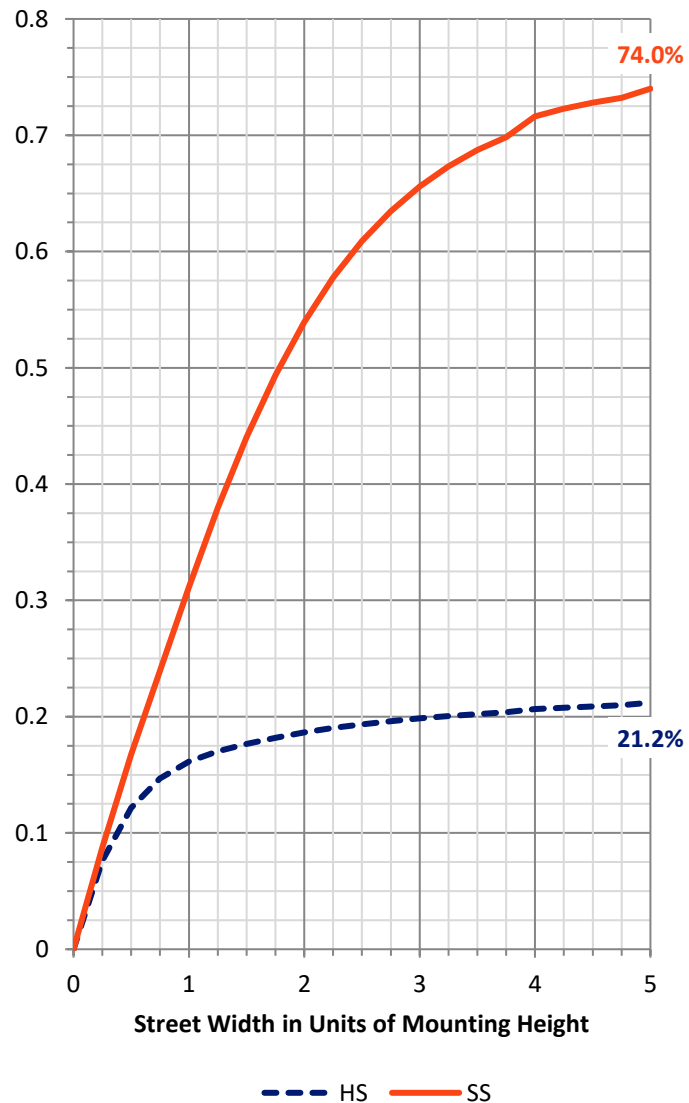
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	577.1	43.0	620.1
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	1923.3	34.8	1958.1
	% Fixture	74.6	1.3	75.9
Total	Lumens	2500.3	77.8	2578.2
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.9
10°-20°	57.6	2.2
20°-30°	99.7	3.9
30°-40°	176.7	6.9
40°-50°	273.9	10.6
50°-60°	440.9	17.1
60°-70°	648.4	25.1
70°-80°	624.3	24.2
80°-90°	155.7	6.0
90°-100°	58.1	2.3
100°-110°	12.9	0.5
110°-120°	2.8	0.1
120°-130°	2.3	0.1
130°-140°	1.0	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2500.3	97.0
0°-180°	2578.2	100.0

Coefficient of Utilization



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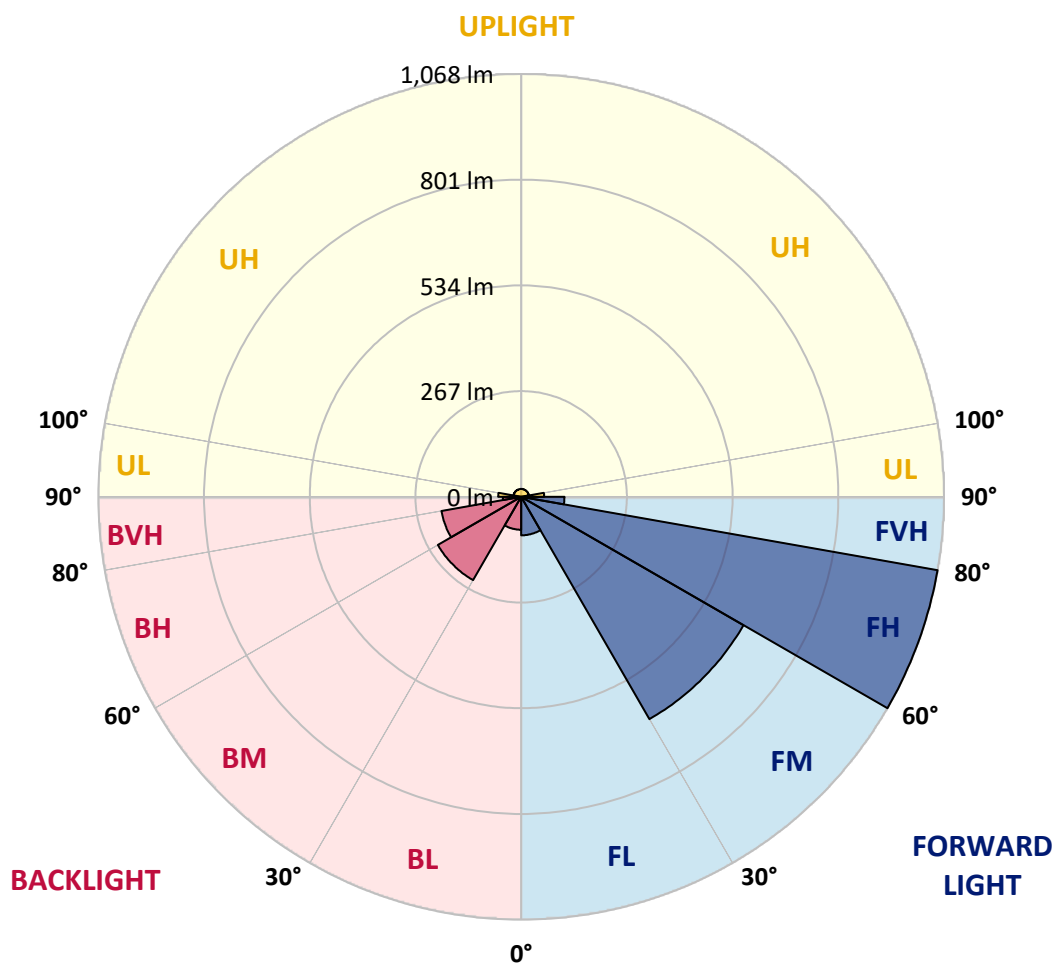
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.3	3.8			
FM	(30°-60°)	648.5	25.2			
FH	(60°-80°)	1068.2	41.4			G1/1800
FVH	(80°-90°)	109.3	4.2			G2/225
BL	(0°-30°)	83.3	3.2	B0/110		
BM	(30°-60°)	243.0	9.4	B1/1000		
BH	(60°-80°)	204.5	7.9	B1/500		G1/500
BVH	(80°-90°)	46.3	1.8			G1/100
UL	(90°-100°)	58.1	2.3		U3/500	
UH	(100°-180°)	19.8	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°	50°	55°	65°	75°	85°
0°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9
2.5°	254.5	278.9	274.8	277.9	277.9	278.9	279.9	279.9	280.9	279.9	279.9
5°	259.6	258.6	256.6	254.5	252.5	249.5	249.5	249.5	273.8	275.8	273.8
7.5°	242.4	263.7	261.6	257.6	257.6	254.5	250.5	246.4	239.3	237.3	240.3
10°	273.8	272.8	269.8	263.7	241.4	245.4	220.1	198.8	190.7	195.7	208.9
12.5°	243.4	260.6	267.7	267.7	239.3	205.9	183.6	195.7	188.6	168.3	183.6
15°	287.0	285.0	276.9	263.7	209.9	208.9	196.7	172.4	175.4	190.7	204.8
17.5°	245.4	245.4	274.8	251.5	216.0	175.4	174.4	193.7	177.5	169.4	177.5
20°	296.1	295.1	286.0	208.9	218.0	215.0	177.5	197.8	169.4	194.7	213.0
22.5°	251.5	249.5	263.7	250.5	207.9	217.0	166.3	187.6	201.8	178.5	165.3
25°	296.1	298.1	294.1	223.1	236.3	196.7	200.8	214.0	185.6	226.1	235.3
27.5°	260.6	260.6	249.5	249.5	219.0	236.3	188.6	200.8	221.1	244.4	287.0
30°	319.4	320.5	313.4	240.3	242.4	227.2	219.0	233.2	265.7	317.4	336.7
32.5°	390.4	390.4	335.7	287.0	243.4	273.8	231.2	254.5	301.2	327.6	352.9
35°	435.1	430.0	405.6	322.5	262.7	279.9	261.6	270.8	312.3	350.9	369.1
37.5°	498.9	496.9	472.6	353.9	281.9	298.1	271.8	281.9	332.6	368.1	389.4
40°	587.2	577.0	555.7	408.7	305.2	314.4	283.9	296.1	357.0	390.4	415.8
42.5°	657.1	659.2	644.0	473.6	343.8	337.7	305.2	314.4	383.3	424.9	453.3
45°	722.0	720.0	723.1	551.7	391.4	375.2	342.8	343.8	416.8	467.5	506.0
47.5°	766.7	765.6	772.7	624.7	452.3	422.9	384.3	380.3	455.3	540.5	578.0
50°	820.4	817.4	813.3	702.8	521.2	474.6	439.1	424.9	505.0	622.7	669.3
52.5°	886.3	879.2	866.0	763.6	597.3	540.5	501.0	481.7	572.0	714.9	774.8
55°	949.2	939.1	927.9	831.6	667.3	606.4	563.8	552.7	659.2	810.3	887.3
57.5°	1011.1	1006.0	996.9	921.8	756.5	675.4	627.7	625.7	760.6	902.6	1008.0
60°	1068.9	1060.8	1072.9	1019.2	839.7	748.4	697.7	712.9	872.1	994.8	1141.9
62.5°	1104.4	1101.3	1127.7	1108.4	916.7	829.5	777.8	804.2	979.6	1085.1	1260.5
65°	1051.6	1059.7	1164.2	1164.2	1006.0	925.9	875.2	891.4	1081.0	1176.4	1369.0
67.5°	955.3	966.4	1108.4	1195.6	1086.1	1034.4	981.7	990.8	1171.3	1250.4	1457.3
70°	873.1	881.3	1013.1	1197.7	1136.8	1160.1	1084.1	1076.0	1241.3	1312.2	1489.7
72.5°	801.1	812.3	920.8	1185.5	1186.5	1303.1	1205.8	1157.1	1305.2	1335.6	1386.3
75°	634.8	629.8	752.5	1042.5	1202.7	1459.3	1348.8	1247.3	1336.6	1255.5	1087.1
77.5°	312.3	325.5	429.0	671.3	1015.1	1493.8	1426.8	1292.0	1255.5	1051.6	678.4
80°	92.3	95.3	119.7	240.3	583.1	1176.4	1178.4	1068.9	944.1	614.5	306.3
82.5°	51.7	52.7	69.0	104.5	239.3	745.4	775.8	641.9	417.8	227.2	153.1
85°	27.4	28.4	35.5	54.8	121.7	297.1	315.4	245.4	201.8	148.1	112.6
87.5°	13.2	13.2	12.2	18.3	44.6	72.0	80.1	91.3	81.1	76.1	93.3
90°	11.2	11.2	9.1	10.1	24.3	51.7	62.9	70.0	63.9	70.0	102.4
92.5°	12.2	12.2	9.1	10.1	26.4	57.8	69.0	78.1	67.9	75.0	113.6
95°	11.2	12.2	8.1	9.1	26.4	71.0	83.2	85.2	70.0	82.1	121.7
97.5°	9.1	9.1	6.1	7.1	23.3	83.2	91.3	88.2	61.9	62.9	97.4
100°	7.1	7.1	4.1	6.1	16.2	66.9	78.1	74.0	40.6	10.1	24.3
102.5°	6.1	6.1	3.0	5.1	7.1	32.5	41.6	40.6	24.3	6.1	5.1
105°	6.1	6.1	3.0	4.1	4.1	9.1	14.2	18.3	10.1	3.0	5.1
107.5°	6.1	6.1	3.0	2.0	2.0	4.1	5.1	5.1	5.1	3.0	6.1
110°	7.1	7.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	6.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	6.1	6.1	2.0	2.0	1.0	2.0	2.0	2.0	2.0	3.0	6.1
115°	5.1	5.1	1.0	2.0	1.0	1.0	2.0	1.0	2.0	2.0	5.1
117.5°	5.1	4.1	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	6.1
120°	5.1	5.1	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1	7.1
122.5°	5.1	5.1	2.0	1.0	0.0	1.0	1.0	1.0	2.0	4.1	8.1
125°	6.1	5.1	2.0	1.0	0.0	0.0	1.0	1.0	1.0	4.1	7.1
127.5°	5.1	4.1	2.0	1.0	0.0	0.0	1.0	1.0	1.0	3.0	6.1
130°	5.1	4.1	2.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	5.1
132.5°	4.1	3.0	2.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	4.1
135°	3.0	3.0	1.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0	3.0
137.5°	2.0	2.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
140°	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	3.0	3.0	3.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
152.5°	3.0	3.0	3.0	2.0	0.0	0.0	1.0	1.0	2.0	1.0	1.0
155°	2.0	2.0	2.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	2.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
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°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9
2.5°	278.9	277.9	276.9	275.8	273.8	271.8	266.7	245.4	245.4	246.4	246.4
5°	273.8	272.8	269.8	250.5	239.3	233.2	235.3	235.3	235.3	236.3	238.3
7.5°	239.3	238.3	224.1	223.1	227.2	232.2	235.3	230.2	220.1	220.1	220.1
10°	208.9	207.9	182.5	177.5	182.5	194.7	226.1	232.2	236.3	237.3	239.3
12.5°	182.5	179.5	157.2	173.4	162.3	182.5	210.9	234.3	213.0	208.9	208.9
15°	202.8	201.8	175.4	152.1	153.1	182.5	167.3	220.1	232.2	234.3	235.3
17.5°	177.5	175.4	161.2	160.2	169.4	147.0	185.6	209.9	199.8	202.8	202.8
20°	211.9	210.9	184.6	153.1	151.1	179.5	164.3	190.7	227.2	234.3	235.3
22.5°	164.3	164.3	169.4	179.5	163.3	171.4	175.4	201.8	194.7	198.8	210.9
25°	233.2	231.2	204.8	161.2	175.4	165.3	183.6	191.7	225.1	233.2	235.3
27.5°	282.9	277.9	220.1	181.5	158.2	177.5	176.5	185.6	190.7	222.1	226.1
30°	333.6	328.6	282.9	203.8	164.3	153.1	168.3	198.8	229.2	234.3	238.3
32.5°	351.9	347.8	289.0	216.0	165.3	163.3	167.3	198.8	251.5	271.8	275.8
35°	371.2	366.1	295.1	210.9	161.2	152.1	158.2	204.8	250.5	263.7	266.7
37.5°	394.5	385.4	302.2	200.8	150.1	144.0	151.1	186.6	238.3	251.5	253.5
40°	423.9	414.8	311.3	189.6	138.9	133.9	137.9	173.4	208.9	220.1	225.1
42.5°	468.5	451.3	315.4	180.5	128.8	123.7	127.8	156.2	183.6	190.7	193.7
45°	526.3	495.9	321.5	168.3	119.7	112.6	118.7	143.0	156.2	156.2	156.2
47.5°	597.3	548.6	324.5	158.2	108.5	102.4	108.5	129.8	136.9	132.8	131.8
50°	684.5	615.6	339.7	146.0	99.4	94.3	104.5	114.6	117.6	119.7	119.7
52.5°	786.9	692.6	348.9	133.9	93.3	90.3	100.4	107.5	108.5	110.5	110.5
55°	898.5	776.8	353.9	122.7	89.2	85.2	96.3	103.4	103.4	105.5	105.5
57.5°	1014.1	874.2	367.1	114.6	85.2	81.1	92.3	104.5	100.4	104.5	105.5
60°	1135.8	964.4	356.0	106.5	79.1	78.1	93.3	111.6	110.5	115.6	116.6
62.5°	1250.4	1036.4	306.3	99.4	75.0	79.1	104.5	125.7	122.7	130.8	130.8
65°	1315.3	1060.8	225.1	95.3	72.0	85.2	115.6	139.9	129.8	133.9	131.8
67.5°	1329.5	1036.4	162.3	90.3	71.0	95.3	123.7	143.0	128.8	132.8	132.8
70°	1296.0	979.6	130.8	86.2	70.0	96.3	125.7	143.0	129.8	138.9	136.9
72.5°	1144.9	833.6	111.6	82.1	70.0	94.3	128.8	144.0	132.8	148.1	145.0
75°	863.0	623.7	98.4	78.1	65.9	91.3	130.8	145.0	128.8	145.0	143.0
77.5°	513.1	356.0	87.2	73.0	60.8	88.2	128.8	145.0	125.7	143.0	141.0
80°	217.0	167.3	74.0	63.9	55.8	84.2	126.8	144.0	120.7	138.9	135.9
82.5°	136.9	113.6	62.9	52.7	54.8	83.2	127.8	142.0	118.7	139.9	129.8
85°	110.5	93.3	53.7	44.6	50.7	85.2	122.7	128.8	102.4	120.7	117.6
87.5°	93.3	78.1	24.3	19.3	37.5	65.9	93.3	96.3	74.0	94.3	90.3
90°	102.4	85.2	23.3	16.2	33.5	57.8	86.2	84.2	71.0	90.3	89.2
92.5°	111.6	90.3	22.3	17.2	37.5	62.9	94.3	85.2	75.0	91.3	90.3
95°	115.6	92.3	21.3	18.3	44.6	69.0	100.4	83.2	79.1	84.2	83.2
97.5°	87.2	66.9	20.3	19.3	46.6	78.1	94.3	70.0	51.7	51.7	50.7
100°	22.3	22.3	18.3	18.3	31.4	56.8	72.0	51.7	29.4	22.3	23.3
102.5°	6.1	7.1	16.2	17.2	17.2	25.4	40.6	33.5	19.3	3.0	3.0
105°	6.1	6.1	11.2	13.2	9.1	8.1	16.2	18.3	14.2	2.0	3.0
107.5°	6.1	6.1	5.1	7.1	3.0	4.1	4.1	5.1	5.1	2.0	2.0
110°	7.1	6.1	3.0	3.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1



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CATALOG NUMBER: SDL-PA1-30-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

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