

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: P560458

Luminaire Tested: **SDL-PA1-40-827-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560458
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-PA1-40-827-U-T4W-A
Description: Springdale
(1) 80 CRI, 2700K, 500mA 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: 3362.5 lumens
Efficiency: N/A
Efficacy: 85.3 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): 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

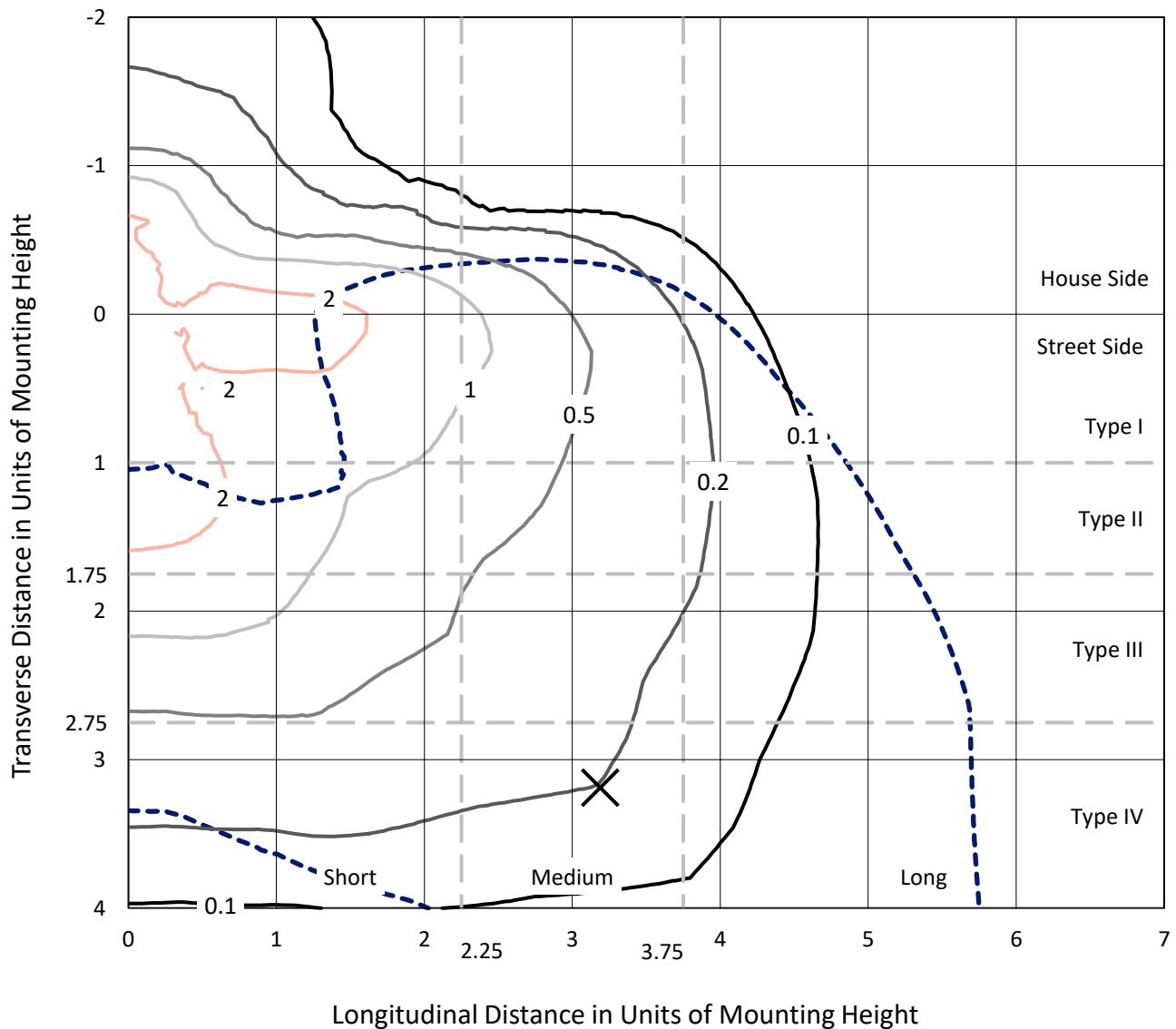


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

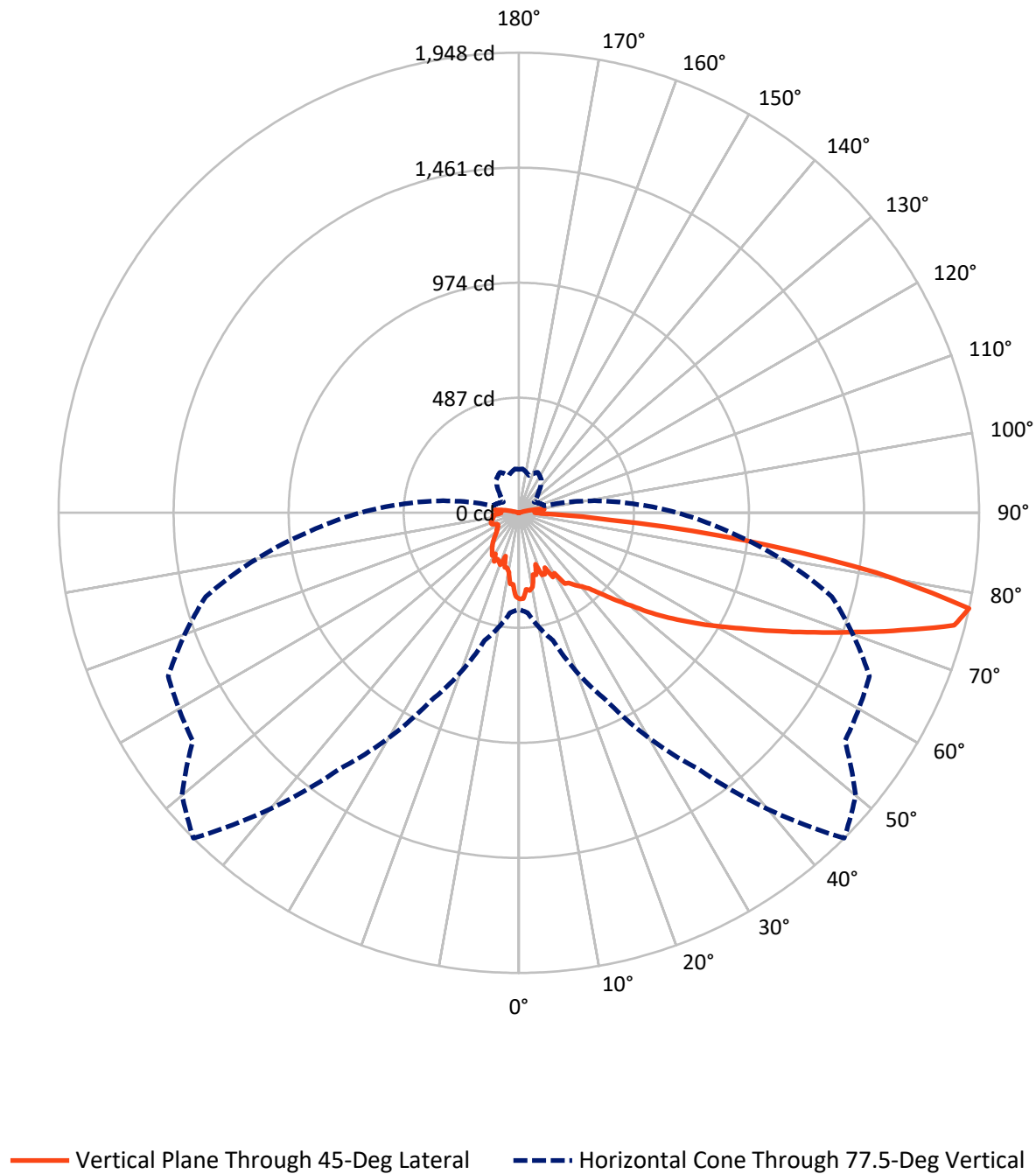


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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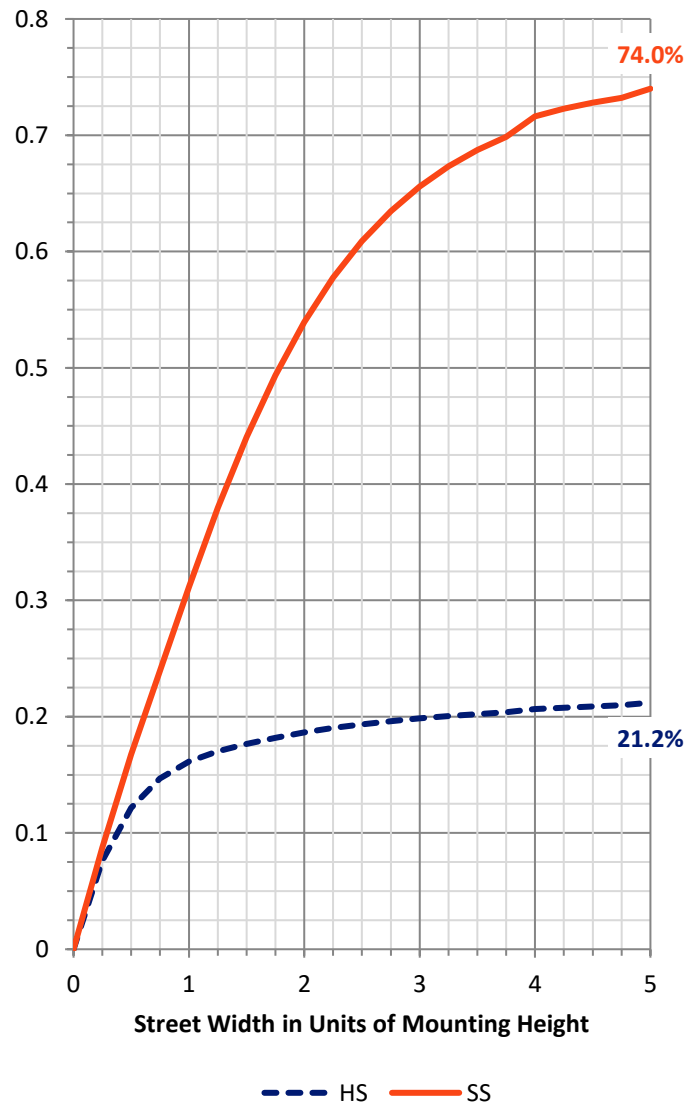
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	752.6	56.1	808.7
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	2508.4	45.4	2553.8
	% Fixture	74.6	1.3	75.9
Total	Lumens	3261.0	101.5	3362.5
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	0.9
10°-20°	75.2	2.2
20°-30°	130.0	3.9
30°-40°	230.4	6.9
40°-50°	357.2	10.6
50°-60°	575.0	17.1
60°-70°	845.6	25.1
70°-80°	814.2	24.2
80°-90°	203.0	6.0
90°-100°	75.7	2.3
100°-110°	16.8	0.5
110°-120°	3.6	0.1
120°-130°	3.0	0.1
130°-140°	1.3	0.0
140°-150°	0.5	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3261.0	97.0
0°-180°	3362.5	100.0

Coefficient of Utilization



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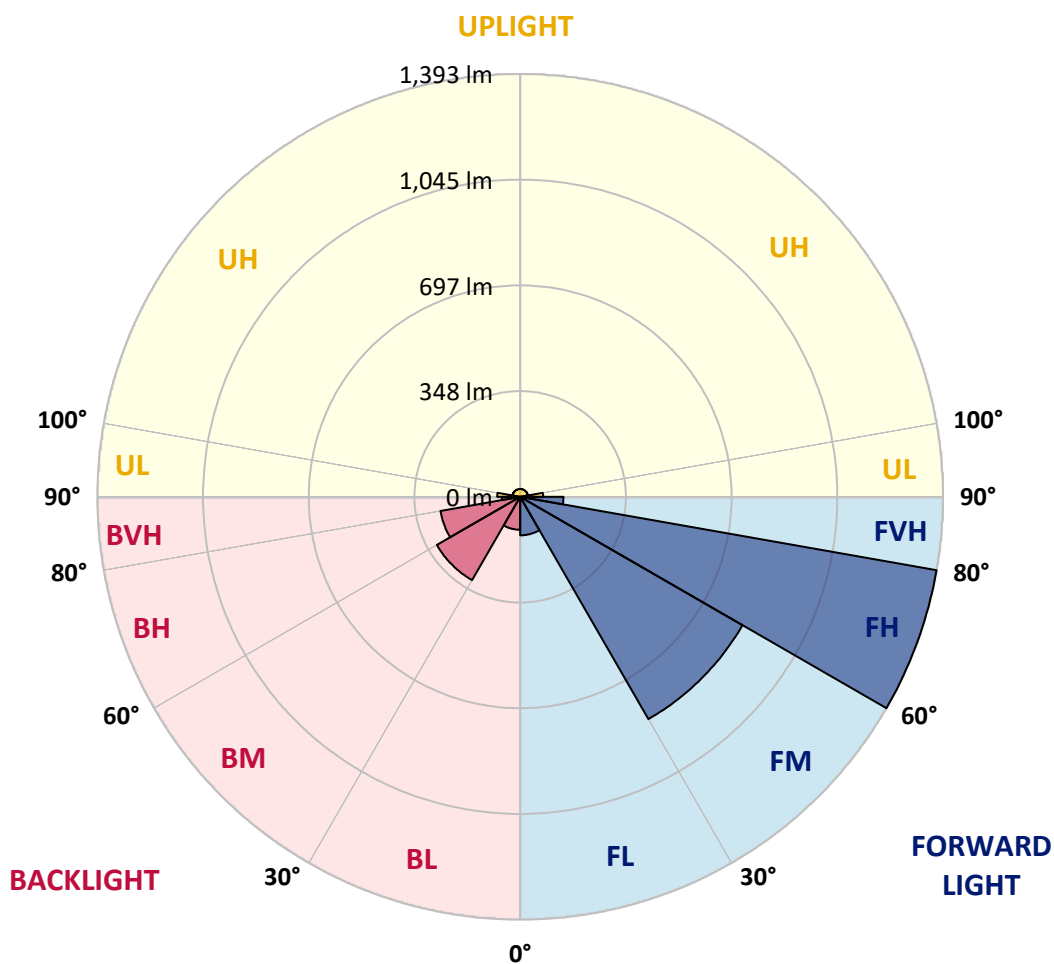
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.9	3.8			
FM	(30°-60°)	845.7	25.2			
FH	(60°-80°)	1393.1	41.4			G1/1800
FVH	(80°-90°)	142.6	4.2			G2/225
BL	(0°-30°)	108.6	3.2	B0/110		
BM	(30°-60°)	316.9	9.4	B1/1000		
BH	(60°-80°)	266.7	7.9	B1/500		G1/500
BVH	(80°-90°)	60.4	1.8			G1/100
UL	(90°-100°)	75.7	2.3		U3/500	
UH	(100°-180°)	25.8	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°	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0
2.5°	332.0	363.7	358.4	362.4	362.4	363.7	365.0	365.0	366.4	365.0	365.0
5°	338.6	337.3	334.6	332.0	329.3	325.4	325.4	325.4	357.1	359.8	357.1
7.5°	316.1	343.9	341.2	335.9	335.9	332.0	326.7	321.4	312.1	309.5	313.5
10°	357.1	355.8	351.8	343.9	314.8	320.1	287.0	259.2	248.7	255.3	272.5
12.5°	317.4	339.9	349.2	349.2	312.1	268.5	239.4	255.3	246.0	219.6	239.4
15°	374.3	371.7	361.1	343.9	273.8	272.5	256.6	224.8	228.8	248.7	267.2
17.5°	320.1	320.1	358.4	328.0	281.7	228.8	227.5	252.6	231.5	220.9	231.5
20°	386.2	384.9	373.0	272.5	284.4	280.4	231.5	257.9	220.9	253.9	277.8
22.5°	328.0	325.4	343.9	326.7	271.1	283.0	216.9	244.7	263.2	232.8	215.6
25°	386.2	388.9	383.6	291.0	308.2	256.6	261.9	279.1	242.0	294.9	306.8
27.5°	339.9	339.9	325.4	325.4	285.7	308.2	246.0	261.9	288.3	318.8	374.3
30°	416.6	417.9	408.7	313.5	316.1	296.3	285.7	304.2	346.5	414.0	439.1
32.5°	509.2	509.2	437.8	374.3	317.4	357.1	301.6	332.0	392.8	427.2	460.3
35°	567.4	560.8	529.0	420.6	342.6	365.0	341.2	353.1	407.4	457.6	481.4
37.5°	650.7	648.1	616.3	461.6	367.7	388.9	354.5	367.7	433.8	480.1	507.9
40°	765.8	752.6	724.8	533.0	398.1	410.0	370.3	386.2	465.6	509.2	542.3
42.5°	857.1	859.7	839.9	617.7	448.4	440.4	398.1	410.0	500.0	554.2	591.2
45°	941.7	939.1	943.0	719.5	510.5	489.4	447.0	448.4	543.6	609.7	660.0
47.5°	999.9	998.6	1007.8	814.7	589.9	551.5	501.3	496.0	593.9	705.0	753.9
50°	1070.0	1066.0	1060.7	916.6	679.8	619.0	572.7	554.2	658.7	812.1	872.9
52.5°	1156.0	1146.7	1129.5	995.9	779.0	705.0	653.4	628.2	746.0	932.4	1010.5
55°	1238.0	1224.7	1210.2	1084.5	870.3	790.9	735.4	720.8	859.7	1056.8	1157.3
57.5°	1318.7	1312.0	1300.1	1202.3	986.7	880.9	818.7	816.1	992.0	1177.1	1314.7
60°	1394.0	1383.5	1399.3	1329.2	1095.1	976.1	910.0	929.8	1137.5	1297.5	1489.3
62.5°	1440.3	1436.4	1470.8	1445.6	1195.6	1081.9	1014.4	1048.8	1277.7	1415.2	1644.0
65°	1371.6	1382.1	1518.4	1518.4	1312.0	1207.6	1141.4	1162.6	1409.9	1534.2	1785.5
67.5°	1245.9	1260.5	1445.6	1559.4	1416.5	1349.1	1280.3	1292.2	1527.6	1630.8	1900.6
70°	1138.8	1149.4	1321.3	1562.0	1482.7	1513.1	1413.9	1403.3	1618.9	1711.5	1942.9
72.5°	1044.9	1059.4	1200.9	1546.1	1547.5	1699.6	1572.6	1509.1	1702.2	1741.9	1808.0
75°	828.0	821.3	981.4	1359.7	1568.6	1903.3	1759.1	1626.8	1743.2	1637.4	1417.8
77.5°	407.4	424.6	559.5	875.6	1323.9	1948.2	1860.9	1685.0	1637.4	1371.6	884.8
80°	120.4	124.3	156.1	313.5	760.5	1534.2	1536.9	1394.0	1231.4	801.5	399.4
82.5°	67.5	68.8	89.9	136.2	312.1	972.1	1011.8	837.2	544.9	296.3	199.7
85°	35.7	37.0	46.3	71.4	158.7	387.5	411.3	320.1	263.2	193.1	146.8
87.5°	17.2	17.2	15.9	23.8	58.2	93.9	104.5	119.0	105.8	99.2	121.7
90°	14.5	14.5	11.9	13.2	31.7	67.5	82.0	91.3	83.3	91.3	133.6
92.5°	15.9	15.9	11.9	13.2	34.4	75.4	89.9	101.8	88.6	97.9	148.1
95°	14.5	15.9	10.6	11.9	34.4	92.6	108.5	111.1	91.3	107.1	158.7
97.5°	11.9	11.9	7.9	9.3	30.4	108.5	119.0	115.1	80.7	82.0	127.0
100°	9.3	9.3	5.3	7.9	21.2	87.3	101.8	96.6	52.9	13.2	31.7
102.5°	7.9	7.9	4.0	6.6	9.3	42.3	54.2	52.9	31.7	7.9	6.6
105°	7.9	7.9	4.0	5.3	5.3	11.9	18.5	23.8	13.2	4.0	6.6
107.5°	7.9	7.9	4.0	2.6	2.6	5.3	6.6	6.6	6.6	4.0	7.9
110°	9.3	9.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	4.0	7.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	7.9	7.9	2.6	2.6	1.3	2.6	2.6	2.6	2.6	4.0	7.9
115°	6.6	6.6	1.3	2.6	1.3	1.3	2.6	1.3	2.6	2.6	6.6
117.5°	6.6	5.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	4.0	7.9
120°	6.6	6.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	5.3	9.3
122.5°	6.6	6.6	2.6	1.3	0.0	1.3	1.3	1.3	2.6	5.3	10.6
125°	7.9	6.6	2.6	1.3	0.0	0.0	1.3	1.3	1.3	5.3	9.3
127.5°	6.6	5.3	2.6	1.3	0.0	0.0	1.3	1.3	1.3	4.0	7.9
130°	6.6	5.3	2.6	0.0	0.0	0.0	1.3	1.3	1.3	4.0	6.6
132.5°	5.3	4.0	2.6	0.0	0.0	0.0	1.3	1.3	1.3	2.6	5.3
135°	4.0	4.0	1.3	0.0	1.3	0.0	1.3	1.3	1.3	1.3	4.0
137.5°	2.6	2.6	1.3	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
140°	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
142.5°	0.0	0.0	0.0	0.0	0.0	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°	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	4.0	4.0	4.0	2.6	1.3	1.3	1.3	2.6	1.3	1.3	1.3
152.5°	4.0	4.0	4.0	2.6	0.0	0.0	1.3	1.3	2.6	1.3	1.3
155°	2.6	2.6	2.6	0.0	0.0	0.0	1.3	1.3	1.3	2.6	2.6
157.5°	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	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°	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0
2.5°	363.7	362.4	361.1	359.8	357.1	354.5	347.8	320.1	320.1	321.4	321.4
5°	357.1	355.8	351.8	326.7	312.1	304.2	306.8	306.8	306.8	308.2	310.8
7.5°	312.1	310.8	292.3	291.0	296.3	302.9	306.8	300.2	287.0	287.0	287.0
10°	272.5	271.1	238.1	231.5	238.1	253.9	294.9	302.9	308.2	309.5	312.1
12.5°	238.1	234.1	205.0	226.2	211.6	238.1	275.1	305.5	277.8	272.5	272.5
15°	264.5	263.2	228.8	198.4	199.7	238.1	218.2	287.0	302.9	305.5	306.8
17.5°	231.5	228.8	210.3	209.0	220.9	191.8	242.0	273.8	260.6	264.5	264.5
20°	276.4	275.1	240.7	199.7	197.1	234.1	214.3	248.7	296.3	305.5	306.8
22.5°	214.3	214.3	220.9	234.1	212.9	223.5	228.8	263.2	253.9	259.2	275.1
25°	304.2	301.6	267.2	210.3	228.8	215.6	239.4	250.0	293.6	304.2	306.8
27.5°	369.0	362.4	287.0	236.7	206.3	231.5	230.1	242.0	248.7	289.7	294.9
30°	435.1	428.5	369.0	265.8	214.3	199.7	219.6	259.2	298.9	305.5	310.8
32.5°	458.9	453.7	376.9	281.7	215.6	212.9	218.2	259.2	328.0	354.5	359.8
35°	484.1	477.5	384.9	275.1	210.3	198.4	206.3	267.2	326.7	343.9	347.8
37.5°	514.5	502.6	394.1	261.9	195.7	187.8	197.1	243.4	310.8	328.0	330.7
40°	552.9	541.0	406.0	247.3	181.2	174.6	179.9	226.2	272.5	287.0	293.6
42.5°	611.1	588.6	411.3	235.4	168.0	161.4	166.7	203.7	239.4	248.7	252.6
45°	686.4	646.8	419.3	219.6	156.1	146.8	154.7	186.5	203.7	203.7	203.7
47.5°	779.0	715.5	423.2	206.3	141.5	133.6	141.5	169.3	178.6	173.3	171.9
50°	892.8	802.8	443.1	190.5	129.6	123.0	136.2	149.5	153.4	156.1	156.1
52.5°	1026.4	903.3	455.0	174.6	121.7	117.7	130.9	140.2	141.5	144.2	144.2
55°	1171.8	1013.1	461.6	160.0	116.4	111.1	125.6	134.9	134.9	137.6	137.6
57.5°	1322.6	1140.1	478.8	149.5	111.1	105.8	120.4	136.2	130.9	136.2	137.6
60°	1481.3	1257.8	464.2	138.9	103.2	101.8	121.7	145.5	144.2	150.8	152.1
62.5°	1630.8	1351.7	399.4	129.6	97.9	103.2	136.2	164.0	160.0	170.6	170.6
65°	1715.4	1383.5	293.6	124.3	93.9	111.1	150.8	182.5	169.3	174.6	171.9
67.5°	1734.0	1351.7	211.6	117.7	92.6	124.3	161.4	186.5	168.0	173.3	173.3
70°	1690.3	1277.7	170.6	112.4	91.3	125.6	164.0	186.5	169.3	181.2	178.6
72.5°	1493.2	1087.2	145.5	107.1	91.3	123.0	168.0	187.8	173.3	193.1	189.1
75°	1125.5	813.4	128.3	101.8	86.0	119.0	170.6	189.1	168.0	189.1	186.5
77.5°	669.2	464.2	113.7	95.2	79.4	115.1	168.0	189.1	164.0	186.5	183.8
80°	283.0	218.2	96.6	83.3	72.7	109.8	165.3	187.8	157.4	181.2	177.2
82.5°	178.6	148.1	82.0	68.8	71.4	108.5	166.7	185.2	154.7	182.5	169.3
85°	144.2	121.7	70.1	58.2	66.1	111.1	160.0	168.0	133.6	157.4	153.4
87.5°	121.7	101.8	31.7	25.1	48.9	86.0	121.7	125.6	96.6	123.0	117.7
90°	133.6	111.1	30.4	21.2	43.6	75.4	112.4	109.8	92.6	117.7	116.4
92.5°	145.5	117.7	29.1	22.5	48.9	82.0	123.0	111.1	97.9	119.0	117.7
95°	150.8	120.4	27.8	23.8	58.2	89.9	130.9	108.5	103.2	109.8	108.5
97.5°	113.7	87.3	26.5	25.1	60.8	101.8	123.0	91.3	67.5	67.5	66.1
100°	29.1	29.1	23.8	23.8	41.0	74.1	93.9	67.5	38.4	29.1	30.4
102.5°	7.9	9.3	21.2	22.5	22.5	33.1	52.9	43.6	25.1	4.0	4.0
105°	7.9	7.9	14.5	17.2	11.9	10.6	21.2	23.8	18.5	2.6	4.0
107.5°	7.9	7.9	6.6	9.3	4.0	5.3	5.3	6.6	6.6	2.6	2.6
110°	9.3	7.9	4.0	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-T4W-A

CANDELA DISTRIBUTION (continued):

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