

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: P560622

Luminaire Tested: **SDL-PA1-50-827-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-827-U-T2R-A
Description: Springdale
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3877.1 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 52.4
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

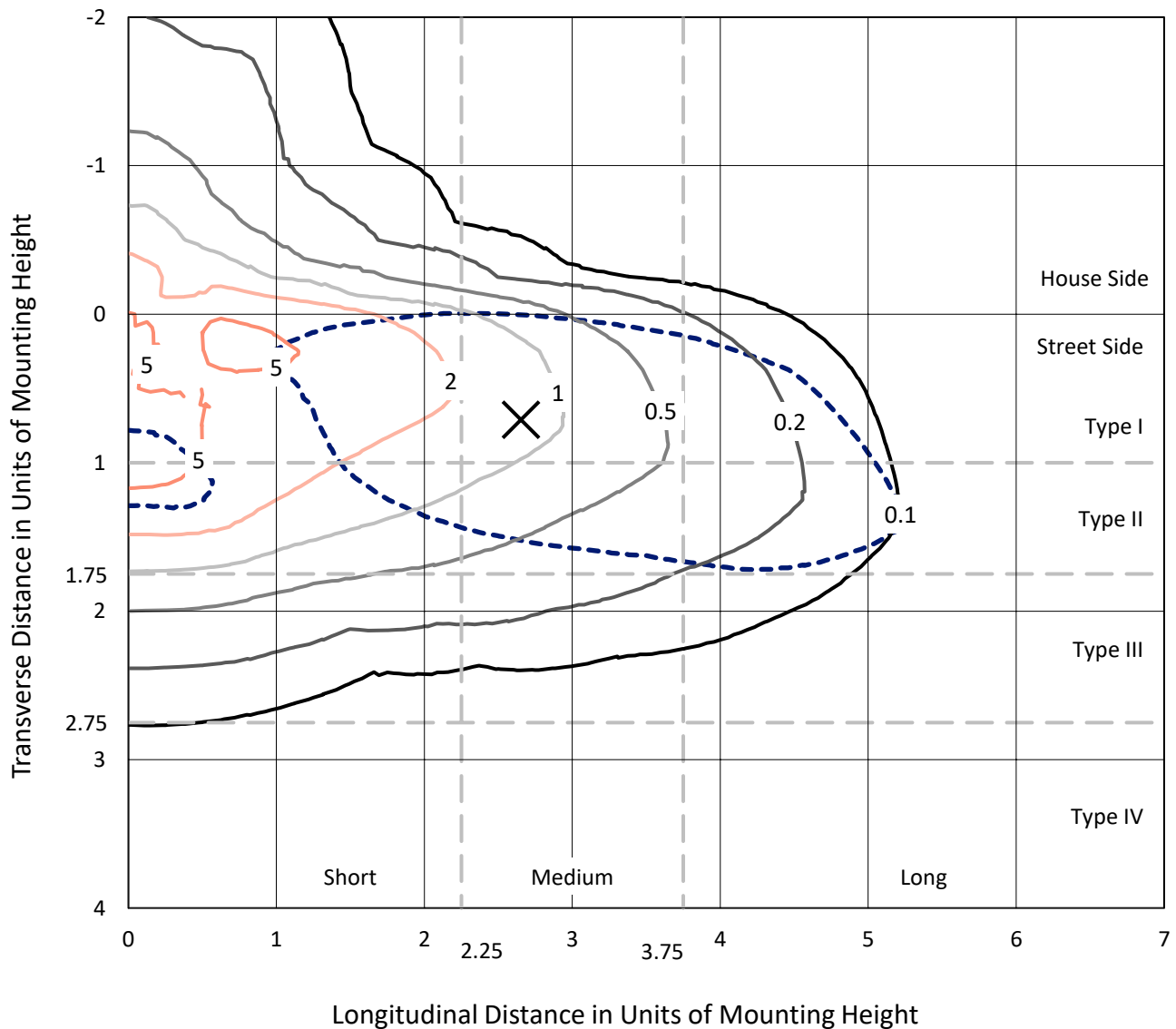


REPORT NUMBER: P560622

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

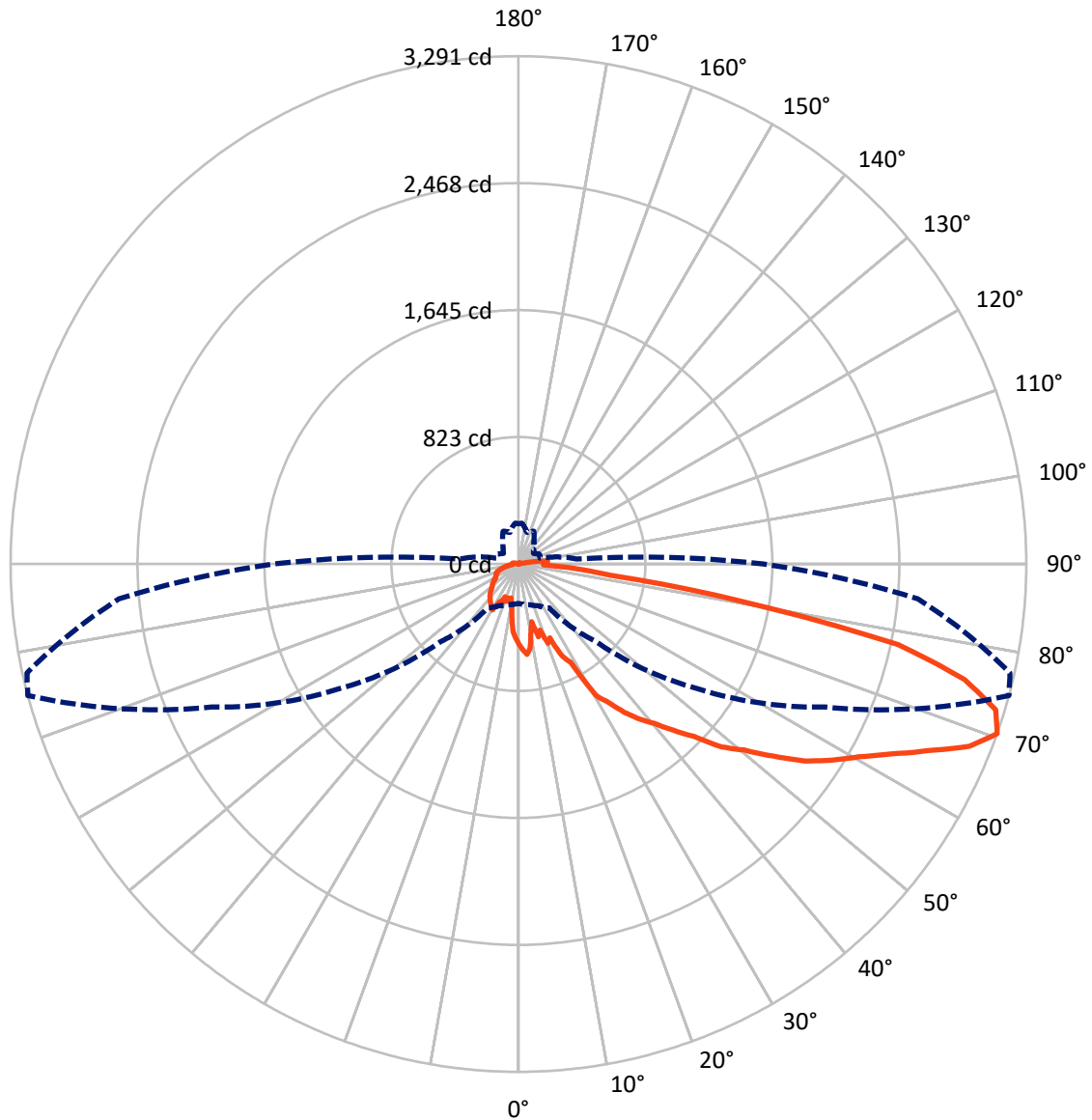


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Medium - N/A

REPORT NUMBER: P560622

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P560622

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-A

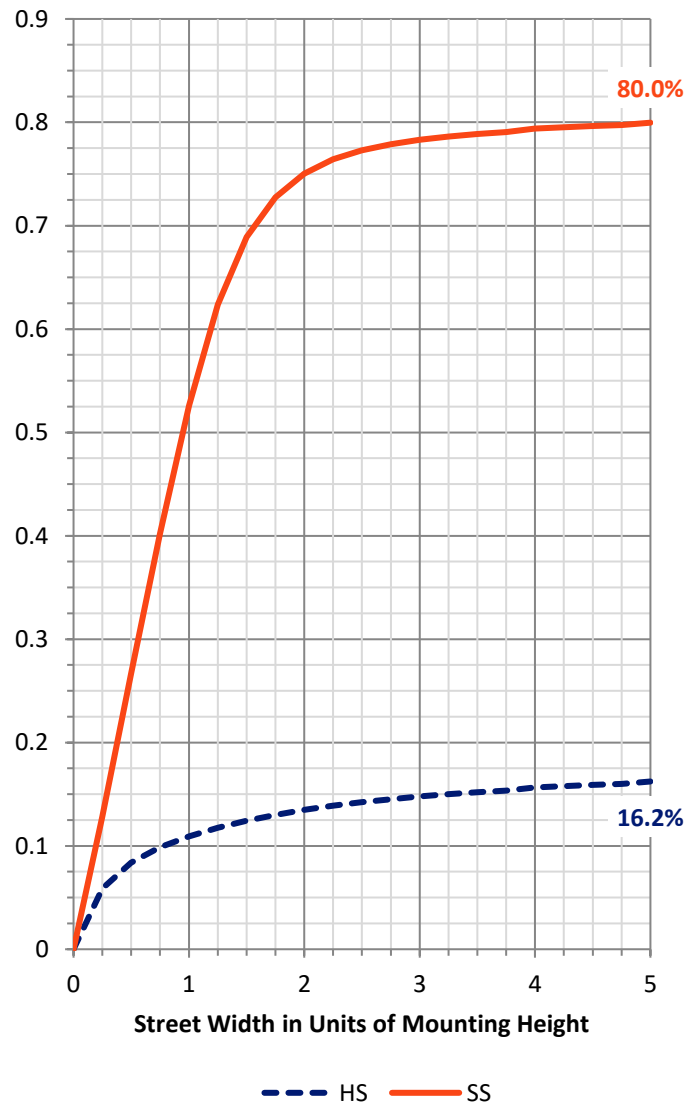
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	662.8	39.6	702.4
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	3124.6	50.1	3174.7
	% Fixture	80.6	1.3	81.9
Total	Lumens	3787.4	89.7	3877.1
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	1.1
10°-20°	113.1	2.9
20°-30°	204.2	5.3
30°-40°	417.2	10.8
40°-50°	655.1	16.9
50°-60°	804.5	20.7
60°-70°	800.1	20.6
70°-80°	591.8	15.3
80°-90°	158.1	4.1
90°-100°	58.4	1.5
100°-110°	13.7	0.4
110°-120°	6.5	0.2
120°-130°	5.8	0.1
130°-140°	2.8	0.1
140°-150°	1.4	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3787.4	97.7
0°-180°	3877.1	100.0

Coefficient of Utilization



REPORT NUMBER: P560622

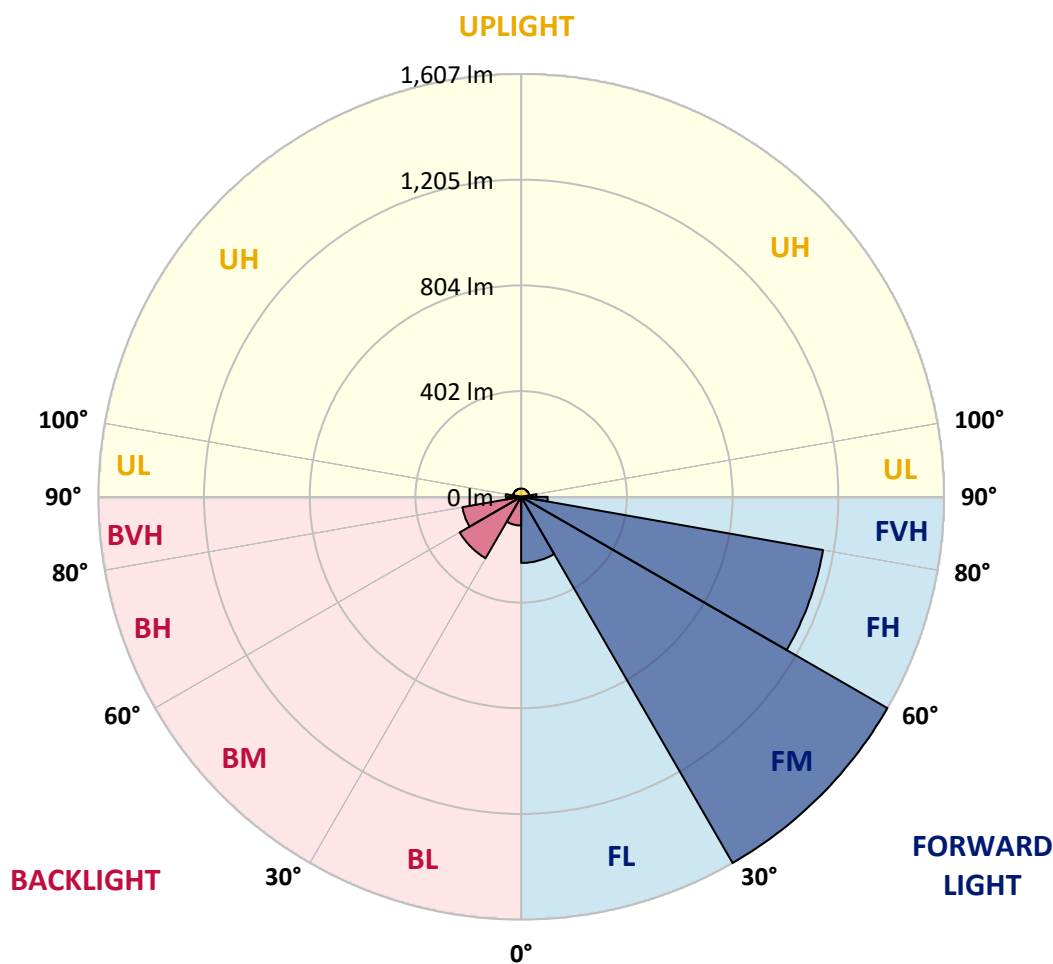
CATALOG NUMBER: SDL-PA1-50-827-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.3	6.5			
FM	(30°-60°)	1607.1	41.5			
FH	(60°-80°)	1165.2	30.1			G1/1800
FVH	(80°-90°)	100.9	2.6			G2/225
BL	(0°-30°)	109.2	2.8	B0/110		
BM	(30°-60°)	269.7	7.0	B1/1000		
BH	(60°-80°)	226.7	5.8	B1/500		G1/500
BVH	(80°-90°)	57.2	1.5			G1/100
UL	(90°-100°)	58.4	1.5		U3/500	
UH	(100°-180°)	31.3	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



REPORT NUMBER: P560622

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7
2.5°	539.4	569.7	583.3	598.5	612.1	604.5	592.4	574.2	557.6	551.5	533.3
5°	595.4	592.4	590.9	586.4	578.8	565.1	548.5	613.6	587.9	577.3	547.0
7.5°	524.2	607.6	616.7	625.7	622.7	606.1	584.8	525.7	548.5	534.8	497.0
10°	640.9	640.9	637.9	640.9	606.1	578.8	495.4	460.6	443.9	480.3	445.4
12.5°	545.4	593.9	654.5	666.7	613.6	537.9	503.0	486.4	383.3	378.8	406.1
15°	634.8	642.4	643.9	647.0	522.7	563.6	465.1	431.8	489.4	475.7	480.3
17.5°	510.6	518.2	616.7	610.6	562.1	450.0	543.9	487.9	450.0	433.3	427.3
20°	642.4	643.9	639.4	516.7	542.4	587.9	509.1	493.9	548.5	547.0	524.2
22.5°	547.0	548.5	565.1	622.7	560.6	593.9	512.1	616.7	519.7	521.2	404.5
25°	731.8	733.3	718.2	554.5	630.3	557.6	621.2	554.5	663.6	642.4	592.4
27.5°	768.2	712.1	654.5	687.9	601.5	692.4	590.9	671.2	721.2	716.7	724.2
30°	974.2	977.3	937.9	753.0	704.5	683.3	681.8	797.0	987.9	995.4	869.7
32.5°	1319.7	1301.5	1107.6	928.8	759.1	833.3	765.1	922.7	1068.2	1063.6	931.8
35°	1477.2	1459.1	1386.3	1147.0	877.3	900.0	863.6	981.8	1178.8	1143.9	993.9
37.5°	1610.6	1607.5	1546.9	1263.6	997.0	1030.3	922.7	1054.5	1274.2	1237.9	1057.6
40°	1725.7	1715.1	1662.1	1368.2	1119.7	1121.2	997.0	1142.4	1359.1	1368.2	1119.7
42.5°	1821.2	1812.1	1768.2	1472.7	1192.4	1201.5	1075.7	1231.8	1472.7	1489.4	1216.6
45°	1860.6	1865.1	1834.8	1566.6	1257.6	1274.2	1169.7	1322.7	1593.9	1607.5	1303.0
47.5°	1889.4	1890.9	1883.3	1643.9	1327.3	1334.8	1262.1	1404.5	1769.7	1742.4	1404.5
50°	1824.2	1818.2	1825.7	1703.0	1387.9	1396.9	1339.4	1489.4	1895.4	1860.6	1510.6
52.5°	1653.0	1660.6	1739.4	1672.7	1407.6	1425.7	1412.1	1563.6	2069.7	2042.4	1662.1
55°	1222.7	1256.0	1483.3	1548.5	1406.0	1437.9	1478.8	1704.5	2253.0	2212.1	1790.9
57.5°	989.4	989.4	1122.7	1336.3	1328.8	1430.3	1546.9	1800.0	2398.4	2369.7	1919.7
60°	793.9	793.9	866.7	1060.6	1178.8	1392.4	1616.6	1940.9	2536.3	2519.7	2033.3
62.5°	622.7	621.2	681.8	790.9	966.7	1309.1	1653.0	2062.1	2709.0	2706.0	2215.1
65°	450.0	456.1	507.6	575.7	759.1	1153.0	1651.5	2171.2	2916.6	2925.7	2419.7
67.5°	333.3	336.4	365.1	415.1	521.2	956.0	1578.8	2246.9	3151.5	3136.3	2550.0
70°	256.1	260.6	272.7	298.5	347.0	710.6	1403.0	2193.9	3290.9	3262.1	2598.4
72.5°	215.1	216.7	215.1	228.8	231.8	481.8	1124.2	1992.4	3233.3	3187.8	2465.1
75°	183.3	181.8	180.3	183.3	171.2	318.2	806.0	1686.3	2984.8	2906.0	2177.2
77.5°	157.6	156.1	150.0	151.5	136.4	234.8	550.0	1322.7	2515.1	2330.3	1636.3
80°	130.3	130.3	125.8	125.8	115.1	178.8	351.5	912.1	1465.1	1318.2	851.5
82.5°	101.5	100.0	100.0	103.0	98.5	139.4	230.3	454.5	604.5	566.7	398.5
85°	54.5	54.5	62.1	69.7	68.2	84.8	175.8	268.2	357.6	345.4	222.7
87.5°	16.7	16.7	18.2	22.7	24.2	45.5	110.6	130.3	162.1	178.8	175.8
90°	18.2	16.7	12.1	13.6	15.2	33.3	103.0	125.8	163.6	181.8	186.4
92.5°	21.2	19.7	12.1	12.1	15.2	27.3	98.5	122.7	178.8	197.0	201.5
95°	22.7	21.2	12.1	12.1	15.2	24.2	87.9	121.2	190.9	215.1	215.1
97.5°	21.2	19.7	9.1	10.6	13.6	21.2	68.2	100.0	133.3	147.0	169.7
100°	18.2	18.2	6.1	9.1	12.1	15.2	39.4	54.5	39.4	37.9	37.9
102.5°	16.7	16.7	6.1	7.6	9.1	10.6	18.2	28.8	9.1	10.6	13.6
105°	16.7	18.2	4.5	6.1	6.1	6.1	9.1	15.2	7.6	9.1	13.6
107.5°	16.7	18.2	4.5	4.5	6.1	4.5	4.5	6.1	7.6	9.1	15.2
110°	15.2	15.2	3.0	4.5	4.5	4.5	3.0	4.5	7.6	10.6	15.2

REPORT NUMBER: P560622

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	10.6	10.6	3.0	4.5	4.5	4.5	3.0	4.5	7.6	10.6	15.2
115°	7.6	6.1	3.0	4.5	3.0	4.5	3.0	4.5	7.6	10.6	13.6
117.5°	6.1	4.5	3.0	3.0	3.0	3.0	1.5	4.5	9.1	12.1	16.7
120°	6.1	6.1	3.0	3.0	3.0	3.0	1.5	4.5	13.6	15.2	21.2
122.5°	6.1	6.1	3.0	3.0	3.0	3.0	1.5	3.0	12.1	16.7	22.7
125°	6.1	6.1	3.0	3.0	3.0	3.0	1.5	3.0	10.6	15.2	19.7
127.5°	6.1	6.1	3.0	1.5	3.0	3.0	3.0	3.0	9.1	12.1	16.7
130°	6.1	6.1	3.0	1.5	3.0	3.0	3.0	3.0	7.6	9.1	13.6
132.5°	4.5	4.5	3.0	1.5	3.0	1.5	1.5	3.0	6.1	7.6	10.6
135°	3.0	3.0	3.0	1.5	3.0	1.5	1.5	1.5	3.0	4.5	7.6
137.5°	1.5	3.0	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0
140°	1.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	6.1	4.5	3.0	1.5	1.5	1.5	1.5	1.5
150°	7.6	7.6	7.6	6.1	4.5	3.0	4.5	1.5	1.5	1.5	1.5
152.5°	7.6	7.6	9.1	4.5	3.0	1.5	1.5	6.1	4.5	3.0	3.0
155°	6.1	4.5	4.5	1.5	1.5	1.5	1.5	1.5	4.5	6.1	6.1
157.5°	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	1.5	1.5
160°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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

REPORT NUMBER: P560622

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7
2.5°	522.7	510.6	481.8	460.6	434.8	412.1	392.4	348.5	340.9	336.4	334.8
5°	522.7	497.0	440.9	372.7	319.7	307.6	301.5	301.5	298.5	300.0	301.5
7.5°	463.6	428.8	343.9	290.9	300.0	300.0	301.5	293.9	269.7	272.7	268.2
10°	406.1	362.1	259.1	236.4	259.1	260.6	295.4	309.1	313.6	315.1	315.1
12.5°	374.2	312.1	224.2	231.8	209.1	239.4	281.8	315.1	286.4	271.2	271.2
15°	430.3	369.7	251.5	203.0	206.1	239.4	213.6	298.5	309.1	312.1	312.1
17.5°	386.4	325.8	230.3	209.1	230.3	197.0	240.9	274.2	262.1	248.5	247.0
20°	463.6	384.8	257.6	204.5	203.0	233.3	213.6	224.2	280.3	281.8	280.3
22.5°	360.6	307.6	228.8	231.8	203.0	222.7	210.6	231.8	221.2	219.7	221.2
25°	500.0	398.5	263.6	200.0	212.1	197.0	212.1	195.5	234.8	237.9	239.4
27.5°	612.1	475.7	280.3	216.7	184.8	201.5	189.4	195.5	181.8	189.4	192.4
30°	728.8	554.5	342.4	239.4	195.5	172.7	175.8	174.2	197.0	195.5	192.4
32.5°	766.7	565.1	327.3	250.0	193.9	174.2	160.6	171.2	187.9	201.5	203.0
35°	804.5	572.7	315.1	239.4	189.4	163.6	157.6	175.8	189.4	190.9	195.5
37.5°	848.5	578.8	303.0	224.2	175.8	160.6	156.1	163.6	193.9	190.9	186.4
40°	889.4	581.8	287.9	210.6	160.6	157.6	145.5	163.6	171.2	177.3	180.3
42.5°	962.1	600.0	275.8	198.5	150.0	150.0	139.4	153.0	175.8	178.8	177.3
45°	1015.1	593.9	259.1	187.9	139.4	133.3	136.4	166.7	177.3	195.5	192.4
47.5°	1090.9	609.1	239.4	171.2	130.3	122.7	128.8	162.1	181.8	195.5	198.5
50°	1165.1	606.1	222.7	157.6	124.2	116.7	142.4	157.6	178.8	201.5	201.5
52.5°	1262.1	610.6	215.1	145.5	116.7	116.7	147.0	159.1	183.3	198.5	198.5
55°	1348.5	593.9	197.0	140.9	115.1	112.1	148.5	165.1	184.8	198.5	200.0
57.5°	1412.1	560.6	183.3	136.4	113.6	115.1	148.5	178.8	172.7	198.5	203.0
60°	1481.8	524.2	171.2	136.4	113.6	119.7	153.0	189.4	189.4	207.6	207.6
62.5°	1577.2	501.5	165.1	137.9	110.6	124.2	166.7	206.1	190.9	219.7	221.2
65°	1657.5	471.2	160.6	143.9	112.1	130.3	174.2	219.7	200.0	233.3	231.8
67.5°	1659.1	425.8	154.5	150.0	113.6	134.8	174.2	228.8	210.6	245.5	240.9
70°	1586.3	380.3	145.5	150.0	118.2	139.4	174.2	234.8	212.1	265.1	260.6
72.5°	1430.3	310.6	131.8	143.9	125.8	145.5	183.3	233.3	212.1	286.4	281.8
75°	1216.6	248.5	113.6	131.8	125.8	153.0	189.4	231.8	204.5	272.7	263.6
77.5°	925.7	203.0	95.5	115.1	119.7	156.1	189.4	228.8	198.5	254.5	248.5
80°	477.3	142.4	77.3	98.5	112.1	153.0	187.9	216.7	177.3	225.8	222.7
82.5°	262.1	104.5	62.1	72.7	93.9	143.9	181.8	195.5	156.1	184.8	177.3
85°	169.7	75.8	50.0	59.1	78.8	119.7	153.0	154.5	110.6	133.3	125.8
87.5°	127.3	43.9	31.8	36.4	54.5	66.7	97.0	100.0	69.7	81.8	77.3
90°	133.3	43.9	33.3	37.9	48.5	50.0	71.2	75.8	54.5	62.1	62.1
92.5°	142.4	43.9	34.8	39.4	43.9	39.4	56.1	62.1	45.5	50.0	48.5
95°	145.5	42.4	37.9	40.9	39.4	31.8	45.5	50.0	37.9	37.9	37.9
97.5°	106.1	30.3	37.9	40.9	36.4	25.8	34.8	39.4	24.2	19.7	19.7
100°	28.8	15.2	36.4	39.4	31.8	21.2	30.3	30.3	15.2	10.6	10.6
102.5°	12.1	12.1	31.8	34.8	24.2	13.6	21.2	21.2	10.6	4.5	4.5
105°	12.1	9.1	22.7	25.8	16.7	7.6	10.6	12.1	7.6	4.5	4.5
107.5°	12.1	9.1	10.6	13.6	7.6	6.1	6.1	6.1	4.5	4.5	4.5
110°	13.6	9.1	6.1	7.6	6.1	4.5	4.5	4.5	4.5	6.1	7.6

REPORT NUMBER: P560622

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.2	10.6	6.1	7.6	6.1	4.5	4.5	4.5	6.1	13.6	13.6
115°	13.6	9.1	6.1	6.1	4.5	4.5	3.0	3.0	6.1	16.7	16.7
117.5°	15.2	10.6	6.1	6.1	4.5	3.0	3.0	3.0	7.6	19.7	19.7
120°	18.2	12.1	6.1	4.5	3.0	3.0	3.0	3.0	9.1	21.2	21.2
122.5°	19.7	13.6	6.1	4.5	3.0	1.5	3.0	4.5	10.6	21.2	21.2
125°	16.7	12.1	6.1	4.5	3.0	1.5	3.0	4.5	10.6	19.7	21.2
127.5°	15.2	10.6	6.1	3.0	3.0	1.5	1.5	4.5	9.1	15.2	18.2
130°	12.1	9.1	4.5	3.0	3.0	1.5	1.5	3.0	9.1	13.6	16.7
132.5°	10.6	7.6	4.5	3.0	3.0	1.5	1.5	3.0	9.1	12.1	12.1
135°	7.6	6.1	3.0	3.0	3.0	1.5	3.0	1.5	6.1	10.6	10.6
137.5°	4.5	3.0	3.0	3.0	3.0	1.5	1.5	1.5	4.5	6.1	6.1
140°	1.5	1.5	3.0	3.0	3.0	1.5	1.5	1.5	3.0	3.0	3.0
142.5°	1.5	1.5	3.0	3.0	3.0	1.5	1.5	1.5	3.0	3.0	3.0
145°	1.5	1.5	1.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0
147.5°	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0
150°	1.5	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0	3.0	3.0
152.5°	1.5	1.5	3.0	3.0	1.5	1.5	1.5	3.0	3.0	3.0	3.0
155°	4.5	4.5	3.0	3.0	1.5	1.5	0.0	1.5	3.0	3.0	3.0
157.5°	1.5	1.5	3.0	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
160°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
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)