

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: P560480

Luminaire Tested: **SDL-PA1-40-830-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560480
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-PA1-40-830-U-T4W-A
Description: Springdale
(1) 80 CRI, 3000K, 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: 3634.8 lumens
Efficiency: N/A
Efficacy: 92.3 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

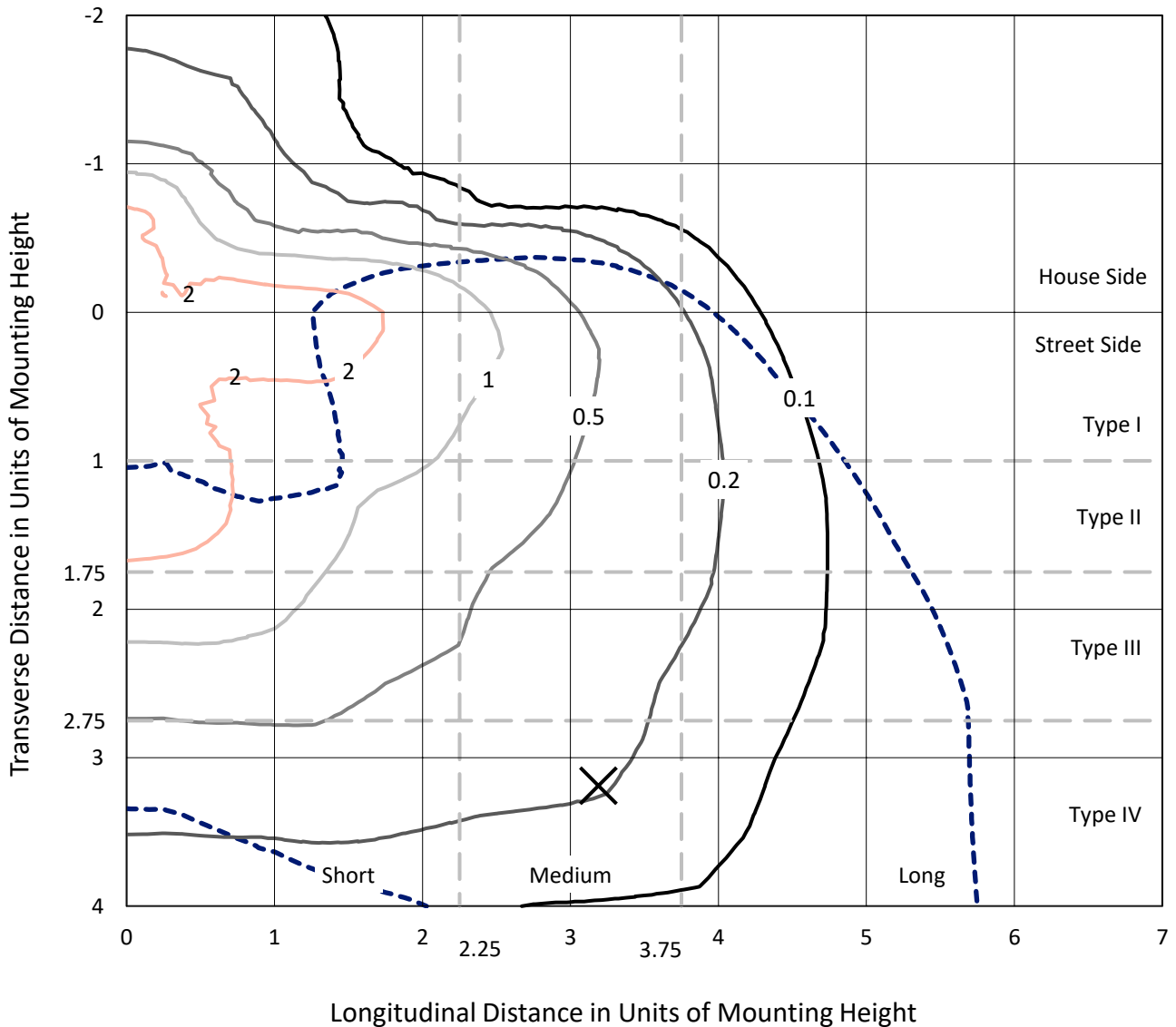
Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560480
 CATALOG NUMBER: SDL-PA1-40-830-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

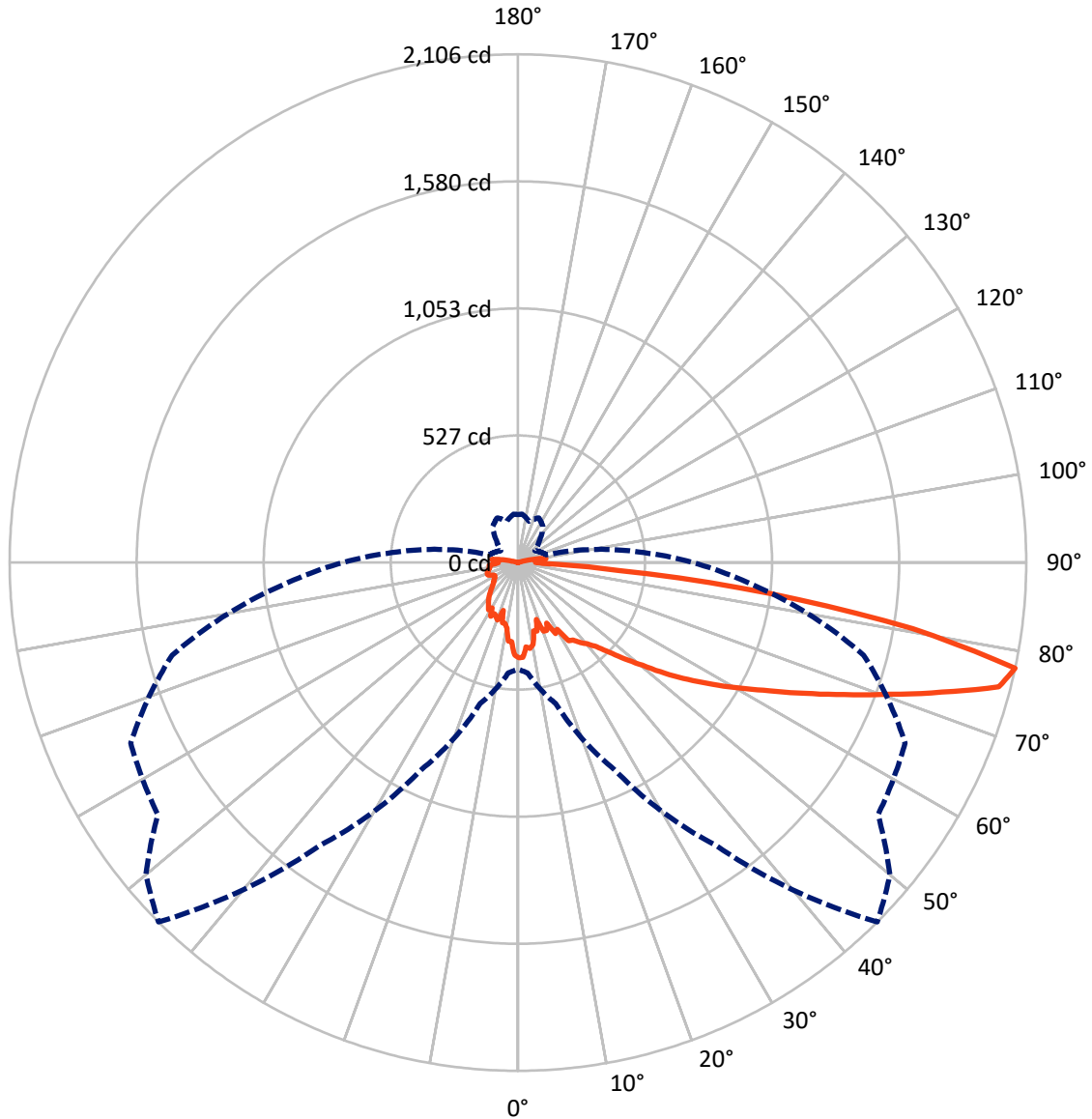
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560480
CATALOG NUMBER: SDL-PA1-40-830-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

REPORT NUMBER: P560480

CATALOG NUMBER: SDL-PA1-40-830-U-T4W-A

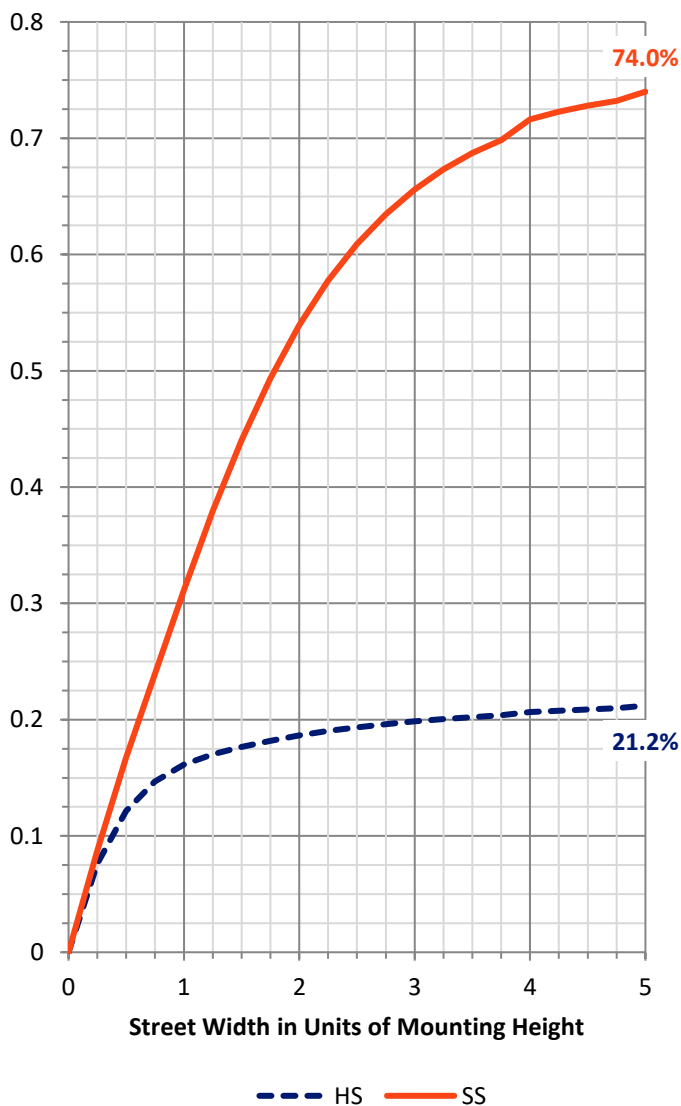
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	813.6	60.7	874.2
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	2711.5	49.1	2760.6
	% Fixture	74.6	1.4	75.9
Total	Lumens	3525.1	109.8	3634.8
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	0.9
10°-20°	81.3	2.2
20°-30°	140.6	3.9
30°-40°	249.1	6.9
40°-50°	386.1	10.6
50°-60°	621.6	17.1
60°-70°	914.1	25.1
70°-80°	880.1	24.2
80°-90°	219.5	6.0
90°-100°	81.9	2.3
100°-110°	18.1	0.5
110°-120°	3.9	0.1
120°-130°	3.2	0.1
130°-140°	1.4	0.0
140°-150°	0.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3525.1	97.0
0°-180°	3634.8	100.0

Coefficient of Utilization



REPORT NUMBER: P560480

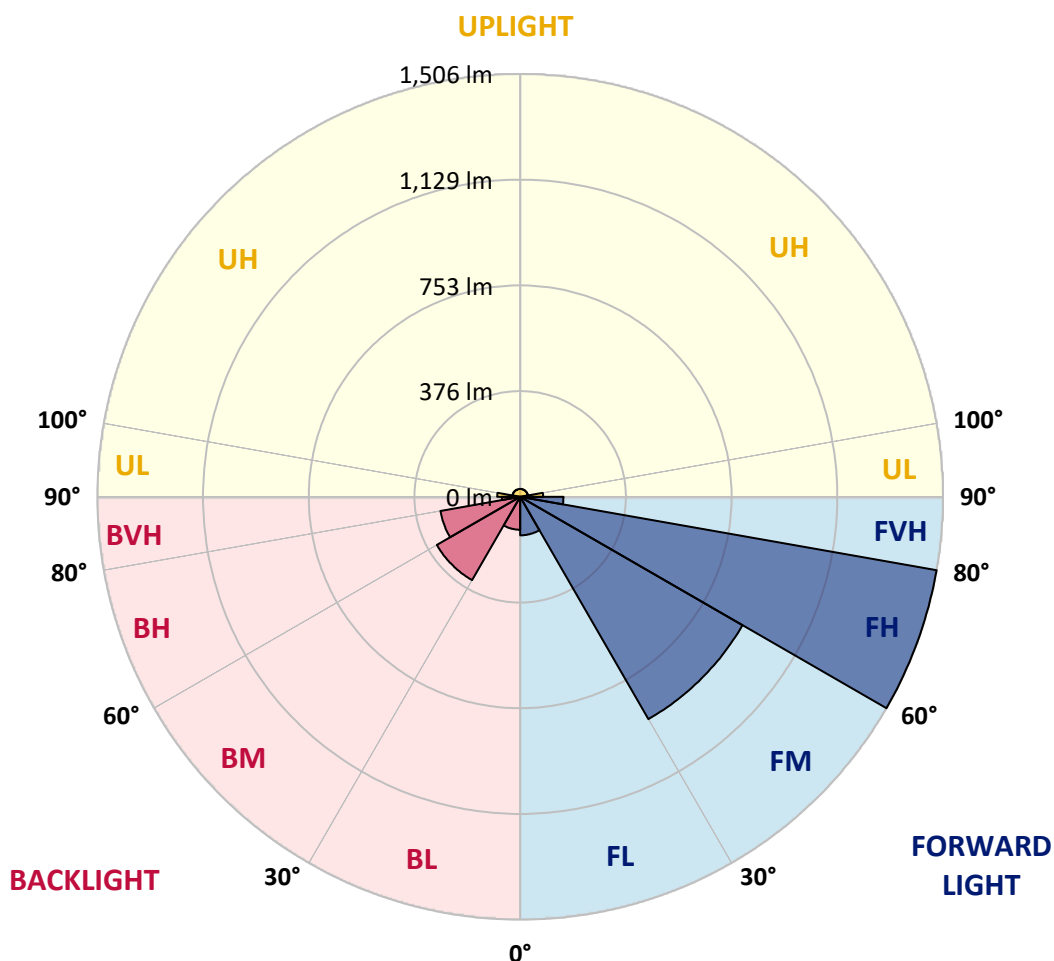
CATALOG NUMBER: SDL-PA1-40-830-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.2	3.8			
FM (30°-60°)	914.2	25.2			
FH (60°-80°)	1505.9	41.4			G1/1800
FVH (80°-90°)	154.2	4.2			G2/225
BL (0°-30°)	117.4	3.2	B1/500		
BM (30°-60°)	342.5	9.4	B1/1000		
BH (60°-80°)	288.3	7.9	B1/500		G1/500
BVH (80°-90°)	65.3	1.8			G1/100
UL (90°-100°)	81.9	2.3		U3/500	
UH (100°-180°)	27.9	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P560480

CATALOG NUMBER: SDL-PA1-40-830-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	394.6	394.6	394.6	394.6	394.6	394.6	394.6	394.6	394.6	394.6	394.6
2.5°	358.9	393.2	387.5	391.7	391.7	393.2	394.6	394.6	396.0	394.6	394.6
5°	366.0	364.6	361.7	358.9	356.0	351.7	351.7	351.7	386.0	388.9	386.0
7.5°	341.7	371.7	368.9	363.1	363.1	358.9	353.1	347.4	337.4	334.6	338.8
10°	386.0	384.6	380.3	371.7	340.3	346.0	310.2	280.2	268.8	275.9	294.5
12.5°	343.1	367.4	377.4	377.4	337.4	290.2	258.8	275.9	265.9	237.3	258.8
15°	404.6	401.7	390.3	371.7	296.0	294.5	277.4	243.1	247.3	268.8	288.8
17.5°	346.0	346.0	387.5	354.6	304.5	247.3	245.9	273.1	250.2	238.8	250.2
20°	417.5	416.0	403.2	294.5	307.4	303.1	250.2	278.8	238.8	274.5	300.2
22.5°	354.6	351.7	371.7	353.1	293.1	306.0	234.5	264.5	284.5	251.6	233.0
25°	417.5	420.3	414.6	314.5	333.1	277.4	283.1	301.7	261.6	318.8	331.7
27.5°	367.4	367.4	351.7	351.7	308.8	333.1	265.9	283.1	311.7	344.6	404.6
30°	450.4	451.8	441.8	338.8	341.7	320.3	308.8	328.8	374.6	447.5	474.7
32.5°	550.4	550.4	473.2	404.6	343.1	386.0	326.0	358.9	424.6	461.8	497.5
35°	613.3	606.2	571.9	454.6	370.3	394.6	368.9	381.7	440.4	494.7	520.4
37.5°	703.4	700.6	666.2	499.0	397.5	420.3	383.2	397.5	468.9	519.0	549.0
40°	827.8	813.5	783.5	576.2	430.3	443.2	400.3	417.5	503.3	550.4	586.2
42.5°	926.5	929.3	907.9	667.7	484.7	476.1	430.3	443.2	540.4	599.1	639.1
45°	1018.0	1015.1	1019.4	777.8	551.9	529.0	483.2	484.7	587.6	659.1	713.4
47.5°	1080.9	1079.4	1089.4	880.7	637.7	596.2	541.9	536.1	641.9	762.0	814.9
50°	1156.6	1152.4	1146.6	990.8	734.9	669.1	619.1	599.1	712.0	877.8	943.6
52.5°	1249.6	1239.6	1221.0	1076.6	842.1	762.0	706.3	679.1	806.4	1007.9	1092.3
55°	1338.2	1323.9	1308.2	1172.4	940.8	855.0	794.9	779.2	929.3	1142.3	1251.0
57.5°	1425.4	1418.3	1405.4	1299.6	1066.6	952.2	885.0	882.1	1072.3	1272.4	1421.1
60°	1506.9	1495.5	1512.6	1436.9	1183.8	1055.1	983.6	1005.1	1229.6	1402.6	1609.9
62.5°	1557.0	1552.7	1589.8	1562.7	1292.5	1169.5	1096.6	1133.8	1381.1	1529.8	1777.1
65°	1482.6	1494.1	1641.3	1641.3	1418.3	1305.3	1233.8	1256.7	1524.1	1658.5	1930.1
67.5°	1346.8	1362.5	1562.7	1685.6	1531.2	1458.3	1384.0	1396.8	1651.3	1762.8	2054.5
70°	1231.0	1242.4	1428.3	1688.5	1602.7	1635.6	1528.4	1516.9	1750.0	1850.1	2100.3
72.5°	1129.5	1145.2	1298.2	1671.3	1672.8	1837.2	1699.9	1631.3	1840.0	1882.9	1954.4
75°	895.0	887.9	1060.8	1469.7	1695.6	2057.4	1901.5	1758.5	1884.4	1770.0	1532.7
77.5°	440.4	458.9	604.8	946.5	1431.1	2106.0	2011.6	1821.5	1770.0	1482.6	956.5
80°	130.1	134.4	168.7	338.8	822.1	1658.5	1661.3	1506.9	1331.1	866.4	431.8
82.5°	72.9	74.3	97.2	147.3	337.4	1050.8	1093.7	905.0	589.0	320.3	215.9
85°	38.6	40.0	50.0	77.2	171.6	418.9	444.6	346.0	284.5	208.7	158.7
87.5°	18.6	18.6	17.2	25.7	62.9	101.5	112.9	128.7	114.4	107.2	131.5
90°	15.7	15.7	12.9	14.3	34.3	72.9	88.6	98.7	90.1	98.7	144.4
92.5°	17.2	17.2	12.9	14.3	37.2	81.5	97.2	110.1	95.8	105.8	160.1
95°	15.7	17.2	11.4	12.9	37.2	100.1	117.2	120.1	98.7	115.8	171.6
97.5°	12.9	12.9	8.6	10.0	32.9	117.2	128.7	124.4	87.2	88.6	137.3
100°	10.0	10.0	5.7	8.6	22.9	94.4	110.1	104.4	57.2	14.3	34.3
102.5°	8.6	8.6	4.3	7.1	10.0	45.8	58.6	57.2	34.3	8.6	7.1
105°	8.6	8.6	4.3	5.7	5.7	12.9	20.0	25.7	14.3	4.3	7.1
107.5°	8.6	8.6	4.3	2.9	2.9	5.7	7.1	7.1	7.1	4.3	8.6
110°	10.0	10.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	8.6



REPORT NUMBER: P560480

CATALOG NUMBER: SDL-PA1-40-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	8.6	8.6	2.9	2.9	1.4	2.9	2.9	2.9	2.9	4.3	8.6
115°	7.1	7.1	1.4	2.9	1.4	1.4	2.9	1.4	2.9	2.9	7.1
117.5°	7.1	5.7	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	8.6
120°	7.1	7.1	2.9	1.4	1.4	1.4	1.4	1.4	2.9	5.7	10.0
122.5°	7.1	7.1	2.9	1.4	0.0	1.4	1.4	1.4	2.9	5.7	11.4
125°	8.6	7.1	2.9	1.4	0.0	0.0	1.4	1.4	1.4	5.7	10.0
127.5°	7.1	5.7	2.9	1.4	0.0	0.0	1.4	1.4	1.4	4.3	8.6
130°	7.1	5.7	2.9	0.0	0.0	0.0	1.4	1.4	1.4	4.3	7.1
132.5°	5.7	4.3	2.9	0.0	0.0	0.0	1.4	1.4	1.4	2.9	5.7
135°	4.3	4.3	1.4	0.0	1.4	0.0	1.4	1.4	1.4	1.4	4.3
137.5°	2.9	2.9	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
140°	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	4.3	4.3	4.3	2.9	1.4	1.4	1.4	2.9	1.4	1.4	1.4
152.5°	4.3	4.3	4.3	2.9	0.0	0.0	1.4	1.4	2.9	1.4	1.4
155°	2.9	2.9	2.9	0.0	0.0	0.0	1.4	1.4	1.4	2.9	2.9
157.5°	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
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: P560480
 CATALOG NUMBER: SDL-PA1-40-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	394.6	394.6	394.6	394.6	394.6	394.6	394.6	394.6	394.6	394.6	394.6
2.5°	393.2	391.7	390.3	388.9	386.0	383.2	376.0	346.0	346.0	347.4	347.4
5°	386.0	384.6	380.3	353.1	337.4	328.8	331.7	331.7	331.7	333.1	336.0
7.5°	337.4	336.0	316.0	314.5	320.3	327.4	331.7	324.5	310.2	310.2	310.2
10°	294.5	293.1	257.3	250.2	257.3	274.5	318.8	327.4	333.1	334.6	337.4
12.5°	257.3	253.1	221.6	244.5	228.8	257.3	297.4	330.3	300.2	294.5	294.5
15°	285.9	284.5	247.3	214.5	215.9	257.3	235.9	310.2	327.4	330.3	331.7
17.5°	250.2	247.3	227.3	225.9	238.8	207.3	261.6	296.0	281.7	285.9	285.9
20°	298.8	297.4	260.2	215.9	213.0	253.1	231.6	268.8	320.3	330.3	331.7
22.5°	231.6	231.6	238.8	253.1	230.2	241.6	247.3	284.5	274.5	280.2	297.4
25°	328.8	326.0	288.8	227.3	247.3	233.0	258.8	270.2	317.4	328.8	331.7
27.5°	398.9	391.7	310.2	255.9	223.0	250.2	248.8	261.6	268.8	313.1	318.8
30°	470.4	463.2	398.9	287.4	231.6	215.9	237.3	280.2	323.1	330.3	336.0
32.5°	496.1	490.4	407.5	304.5	233.0	230.2	235.9	280.2	354.6	383.2	388.9
35°	523.3	516.1	416.0	297.4	227.3	214.5	223.0	288.8	353.1	371.7	376.0
37.5°	556.2	543.3	426.1	283.1	211.6	203.0	213.0	263.1	336.0	354.6	357.4
40°	597.6	584.8	438.9	267.4	195.9	188.7	194.4	244.5	294.5	310.2	317.4
42.5°	660.5	636.2	444.6	254.5	181.6	174.4	180.1	220.2	258.8	268.8	273.1
45°	742.0	699.1	453.2	237.3	168.7	158.7	167.3	201.6	220.2	220.2	220.2
47.5°	842.1	773.5	457.5	223.0	153.0	144.4	153.0	183.0	193.0	187.3	185.9
50°	965.1	867.8	479.0	205.9	140.1	133.0	147.3	161.6	165.8	168.7	168.7
52.5°	1109.5	976.5	491.8	188.7	131.5	127.2	141.5	151.5	153.0	155.8	155.8
55°	1266.7	1095.2	499.0	173.0	125.8	120.1	135.8	145.8	145.8	148.7	148.7
57.5°	1429.7	1232.4	517.6	161.6	120.1	114.4	130.1	147.3	141.5	147.3	148.7
60°	1601.3	1359.7	501.8	150.1	111.5	110.1	131.5	157.3	155.8	163.0	164.4
62.5°	1762.8	1461.2	431.8	140.1	105.8	111.5	147.3	177.3	173.0	184.4	184.4
65°	1854.3	1495.5	317.4	134.4	101.5	120.1	163.0	197.3	183.0	188.7	185.9
67.5°	1874.4	1461.2	228.8	127.2	100.1	134.4	174.4	201.6	181.6	187.3	187.3
70°	1827.2	1381.1	184.4	121.5	98.7	135.8	177.3	201.6	183.0	195.9	193.0
72.5°	1614.1	1175.2	157.3	115.8	98.7	133.0	181.6	203.0	187.3	208.7	204.4
75°	1216.7	879.3	138.7	110.1	92.9	128.7	184.4	204.4	181.6	204.4	201.6
77.5°	723.4	501.8	123.0	102.9	85.8	124.4	181.6	204.4	177.3	201.6	198.7
80°	306.0	235.9	104.4	90.1	78.6	118.7	178.7	203.0	170.1	195.9	191.6
82.5°	193.0	160.1	88.6	74.3	77.2	117.2	180.1	200.2	167.3	197.3	183.0
85°	155.8	131.5	75.8	62.9	71.5	120.1	173.0	181.6	144.4	170.1	165.8
87.5°	131.5	110.1	34.3	27.2	52.9	92.9	131.5	135.8	104.4	133.0	127.2
90°	144.4	120.1	32.9	22.9	47.2	81.5	121.5	118.7	100.1	127.2	125.8
92.5°	157.3	127.2	31.5	24.3	52.9	88.6	133.0	120.1	105.8	128.7	127.2
95°	163.0	130.1	30.0	25.7	62.9	97.2	141.5	117.2	111.5	118.7	117.2
97.5°	123.0	94.4	28.6	27.2	65.8	110.1	133.0	98.7	72.9	72.9	71.5
100°	31.5	31.5	25.7	25.7	44.3	80.1	101.5	72.9	41.5	31.5	32.9
102.5°	8.6	10.0	22.9	24.3	24.3	35.7	57.2	47.2	27.2	4.3	4.3
105°	8.6	8.6	15.7	18.6	12.9	11.4	22.9	25.7	20.0	2.9	4.3
107.5°	8.6	8.6	7.1	10.0	4.3	5.7	5.7	7.1	7.1	2.9	2.9
110°	10.0	8.6	4.3	4.3	2.9	2.9	2.9	2.9	2.9	5.7	5.7



REPORT NUMBER: P560480
 CATALOG NUMBER: SDL-PA1-40-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.0	8.6	4.3	2.9	2.9	2.9	2.9	2.9	2.9	7.1	7.1
115°	8.6	7.1	4.3	2.9	2.9	2.9	2.9	1.4	2.9	8.6	8.6
117.5°	10.0	8.6	4.3	2.9	1.4	2.9	2.9	1.4	2.9	10.0	10.0
120°	11.4	10.0	4.3	2.9	1.4	1.4	1.4	1.4	4.3	10.0	10.0
122.5°	11.4	11.4	5.7	1.4	1.4	1.4	1.4	1.4	4.3	10.0	10.0
125°	11.4	10.0	4.3	1.4	1.4	1.4	0.0	1.4	4.3	10.0	11.4
127.5°	8.6	8.6	4.3	1.4	1.4	1.4	0.0	1.4	4.3	8.6	10.0
130°	7.1	7.1	2.9	1.4	1.4	1.4	0.0	1.4	4.3	8.6	8.6
132.5°	5.7	5.7	2.9	1.4	1.4	0.0	0.0	0.0	4.3	7.1	7.1
135°	4.3	4.3	1.4	1.4	1.4	0.0	0.0	0.0	2.9	5.7	5.7
137.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	2.9	2.9
140°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	1.4	2.9	1.4	2.9
152.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	1.4	2.9	2.9	2.9
155°	2.9	2.9	2.9	1.4	1.4	0.0	0.0	0.0	1.4	2.9	2.9
157.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	1.4	1.4	1.4	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)