

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: P561008

Luminaire Tested: **SDL-PA1-70-830-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561008
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-PA1-70-830-U-T4W-A
Description: Springdale
(1) 80 CRI, 3000K, 930mA 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: 6230.3 lumens
Efficiency: N/A
Efficacy: 86.3 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 - G3

Input Watts (W): 72.2
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

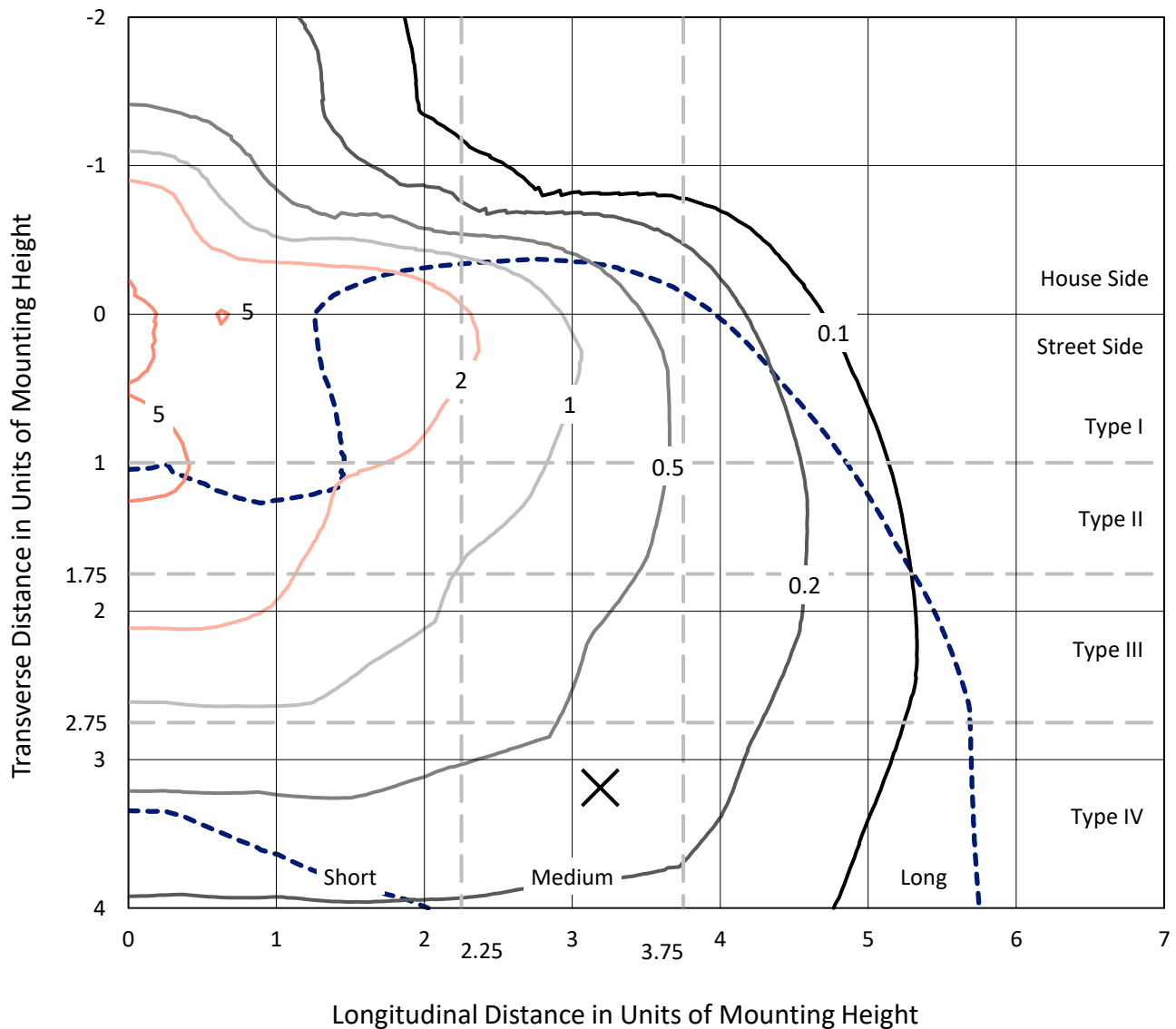


REPORT NUMBER: P561008

CATALOG NUMBER: SDL-PA1-70-830-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

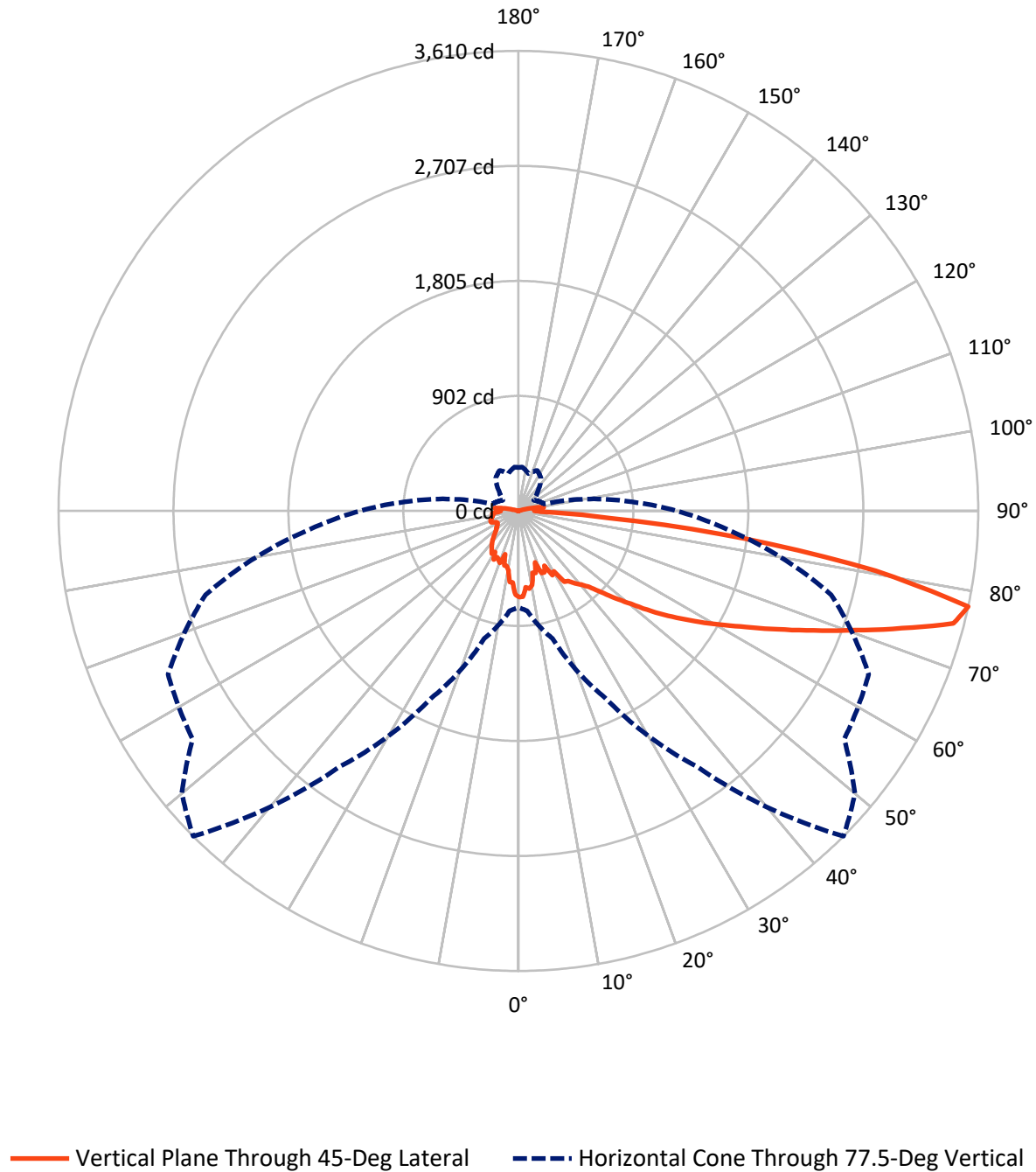


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
Type IV - Medium - N/A

REPORT NUMBER: P561008

CATALOG NUMBER: SDL-PA1-70-830-U-T4W-A

Luminous Intensity Polar Plot



REPORT NUMBER: P561008

CATALOG NUMBER: SDL-PA1-70-830-U-T4W-A

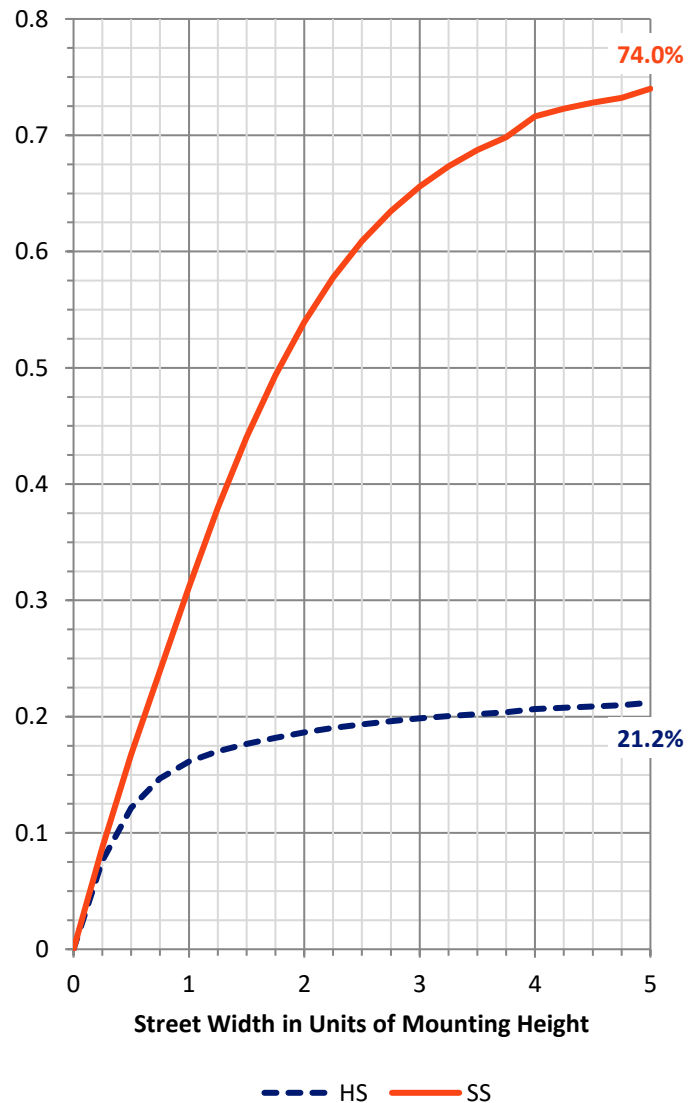
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1394.5	104.1	1498.5
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	4647.6	84.2	4731.8
	% Fixture	74.6	1.4	75.9
Total	Lumens	6042.1	188.3	6230.3
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	0.9
10°-20°	139.3	2.2
20°-30°	240.9	3.9
30°-40°	426.9	6.9
40°-50°	661.8	10.6
50°-60°	1065.4	17.1
60°-70°	1566.8	25.1
70°-80°	1508.5	24.2
80°-90°	376.2	6.0
90°-100°	140.3	2.3
100°-110°	31.1	0.5
110°-120°	6.7	0.1
120°-130°	5.6	0.1
130°-140°	2.4	0.0
140°-150°	1.0	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6042.1	97.0
0°-180°	6230.3	100.0

Coefficient of Utilization



REPORT NUMBER: P561008

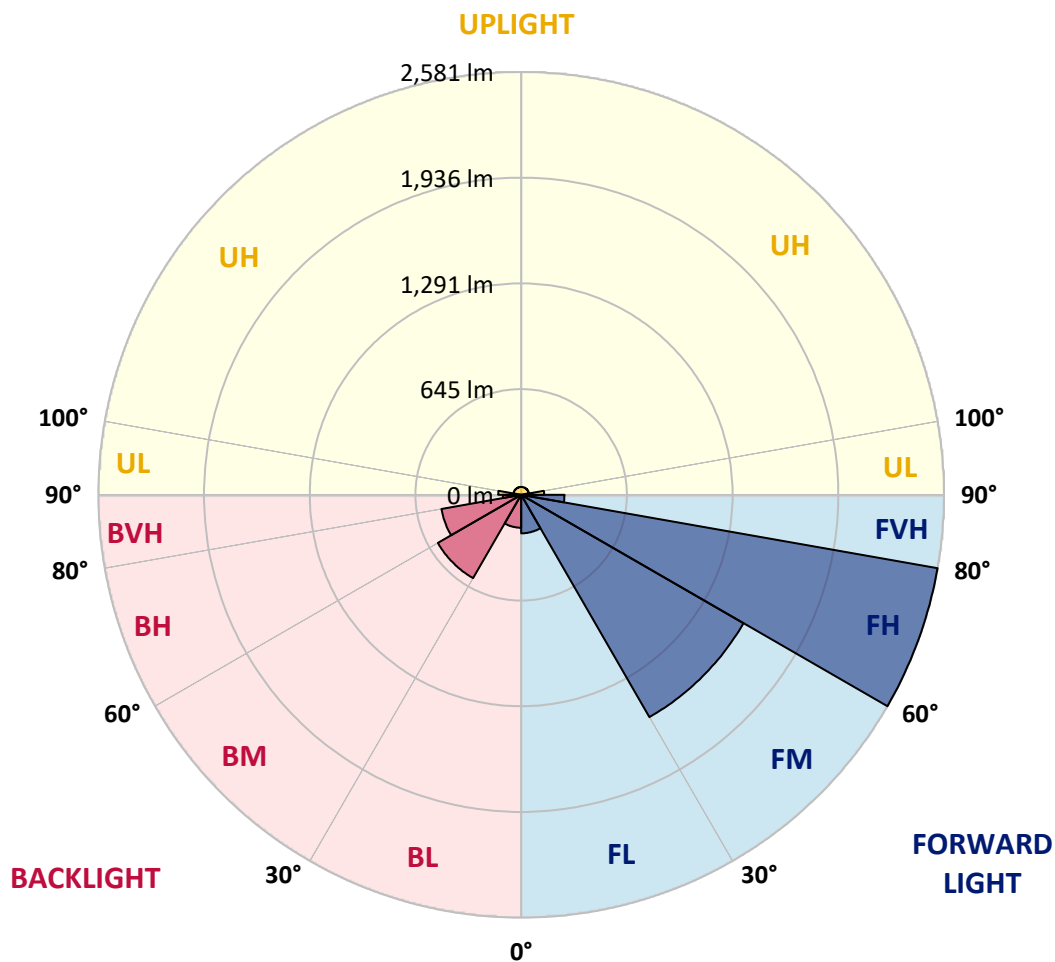
CATALOG NUMBER: SDL-PA1-70-830-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.2	3.8			
FM	(30°-60°)	1567.0	25.2			
FH	(60°-80°)	2581.2	41.4			G2/5000
FVH	(80°-90°)	264.2	4.2			G3/500
BL	(0°-30°)	201.3	3.2	B1/500		
BM	(30°-60°)	587.1	9.4	B1/1000		
BH	(60°-80°)	494.1	7.9	B1/500		G1/500
BVH	(80°-90°)	112.0	1.8			G2/225
UL	(90°-100°)	140.3	2.3		U3/500	
UH	(100°-180°)	48.0	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium



REPORT NUMBER: P561008

CATALOG NUMBER: SDL-PA1-70-830-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4
2.5°	615.1	673.9	664.1	671.5	671.5	673.9	676.4	676.4	678.8	676.4	676.4
5°	627.3	624.9	620.0	615.1	610.2	602.8	602.8	602.8	661.7	666.6	661.7
7.5°	585.7	637.2	632.2	622.4	622.4	615.1	605.3	595.5	578.3	573.4	580.8
10°	661.7	659.2	651.9	637.2	583.2	593.0	531.8	480.3	460.7	473.0	504.8
12.5°	588.1	629.8	647.0	647.0	578.3	497.5	443.6	473.0	455.8	406.8	443.6
15°	693.5	688.6	669.0	637.2	507.3	504.8	475.4	416.6	424.0	460.7	495.0
17.5°	593.0	593.0	664.1	607.7	522.0	424.0	421.5	468.1	428.9	409.2	428.9
20°	715.6	713.1	691.1	504.8	526.9	519.5	428.9	477.9	409.2	470.5	514.6
22.5°	607.7	602.8	637.2	605.3	502.4	524.4	401.9	453.4	487.7	431.3	399.4
25°	715.6	720.5	710.7	539.1	571.0	475.4	485.2	517.1	448.5	546.5	568.5
27.5°	629.8	629.8	602.8	602.8	529.3	571.0	455.8	485.2	534.2	590.6	693.5
30°	771.9	774.4	757.2	580.8	585.7	548.9	529.3	563.6	642.1	767.0	813.6
32.5°	943.5	943.5	811.1	693.5	588.1	661.7	558.7	615.1	727.8	791.5	852.8
35°	1051.3	1039.0	980.2	779.3	634.7	676.4	632.2	654.3	754.8	847.9	892.0
37.5°	1205.7	1200.8	1142.0	855.3	681.3	720.5	656.8	681.3	803.8	889.6	941.0
40°	1418.9	1394.4	1342.9	987.6	737.6	759.7	686.2	715.6	862.6	943.5	1004.7
42.5°	1588.0	1592.9	1556.1	1144.4	830.7	816.0	737.6	759.7	926.3	1026.8	1095.4
45°	1744.8	1739.9	1747.3	1333.1	945.9	906.7	828.3	830.7	1007.2	1129.7	1222.8
47.5°	1852.6	1850.2	1867.3	1509.6	1093.0	1021.9	928.8	919.0	1100.3	1306.2	1396.8
50°	1982.5	1975.2	1965.4	1698.3	1259.6	1146.9	1061.1	1026.8	1220.4	1504.7	1617.4
52.5°	2141.8	2124.7	2092.8	1845.3	1443.4	1306.2	1210.6	1164.0	1382.1	1727.7	1872.2
55°	2293.7	2269.2	2242.3	2009.5	1612.5	1465.4	1362.5	1335.6	1592.9	1958.0	2144.3
57.5°	2443.2	2431.0	2408.9	2227.6	1828.1	1632.1	1516.9	1512.0	1837.9	2181.0	2435.9
60°	2582.9	2563.3	2592.7	2462.8	2029.1	1808.5	1686.0	1722.8	2107.5	2404.0	2759.4
62.5°	2668.7	2661.3	2725.0	2678.5	2215.3	2004.6	1879.6	1943.3	2367.3	2622.1	3046.1
65°	2541.3	2560.9	2813.3	2813.3	2431.0	2237.4	2114.9	2154.1	2612.3	2842.7	3308.3
67.5°	2308.4	2335.4	2678.5	2889.2	2624.6	2499.6	2372.2	2394.2	2830.4	3021.6	3521.5
70°	2110.0	2129.6	2448.1	2894.1	2747.1	2803.5	2619.7	2600.1	2999.5	3171.1	3599.9
72.5°	1936.0	1962.9	2225.1	2864.7	2867.2	3149.0	2913.7	2796.1	3153.9	3227.4	3349.9
75°	1534.1	1521.8	1818.3	2519.2	2906.4	3526.4	3259.3	3014.2	3229.9	3033.8	2627.0
77.5°	754.8	786.6	1036.6	1622.3	2453.0	3609.7	3448.0	3122.0	3033.8	2541.3	1639.4
80°	223.0	230.4	289.2	580.8	1409.1	2842.7	2847.6	2582.9	2281.5	1485.1	740.1
82.5°	125.0	127.4	166.6	252.4	578.3	1801.2	1874.7	1551.2	1009.6	548.9	370.0
85°	66.2	68.6	85.8	132.3	294.1	718.0	762.1	593.0	487.7	357.8	272.0
87.5°	31.9	31.9	29.4	44.1	107.8	174.0	193.6	220.6	196.0	183.8	225.5
90°	27.0	27.0	22.1	24.5	58.8	125.0	151.9	169.1	154.4	169.1	247.5
92.5°	29.4	29.4	22.1	24.5	63.7	139.7	166.6	188.7	164.2	181.3	274.5
95°	27.0	29.4	19.6	22.1	63.7	171.5	200.9	205.8	169.1	198.5	294.1
97.5°	22.1	22.1	14.7	17.2	56.4	200.9	220.6	213.2	149.5	151.9	235.3
100°	17.2	17.2	9.8	14.7	39.2	161.7	188.7	178.9	98.0	24.5	58.8
102.5°	14.7	14.7	7.4	12.3	17.2	78.4	100.5	98.0	58.8	14.7	12.3
105°	14.7	14.7	7.4	9.8	9.8	22.1	34.3	44.1	24.5	7.4	12.3
107.5°	14.7	14.7	7.4	4.9	4.9	9.8	12.3	12.3	12.3	7.4	14.7
110°	17.2	17.2	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.4	14.7

REPORT NUMBER: P561008

CATALOG NUMBER: SDL-PA1-70-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	14.7	14.7	4.9	4.9	2.5	4.9	4.9	4.9	4.9	7.4	14.7
115°	12.3	12.3	2.5	4.9	2.5	2.5	4.9	2.5	4.9	4.9	12.3
117.5°	12.3	9.8	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	14.7
120°	12.3	12.3	4.9	2.5	2.5	2.5	2.5	2.5	4.9	9.8	17.2
122.5°	12.3	12.3	4.9	2.5	0.0	2.5	2.5	2.5	4.9	9.8	19.6
125°	14.7	12.3	4.9	2.5	0.0	0.0	2.5	2.5	2.5	9.8	17.2
127.5°	12.3	9.8	4.9	2.5	0.0	0.0	2.5	2.5	2.5	7.4	14.7
130°	12.3	9.8	4.9	0.0	0.0	0.0	2.5	2.5	2.5	7.4	12.3
132.5°	9.8	7.4	4.9	0.0	0.0	0.0	2.5	2.5	2.5	4.9	9.8
135°	7.4	7.4	2.5	0.0	2.5	0.0	2.5	2.5	2.5	2.5	7.4
137.5°	4.9	4.9	2.5	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
140°	2.5	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	7.4	7.4	7.4	4.9	2.5	2.5	2.5	4.9	2.5	2.5	2.5
152.5°	7.4	7.4	7.4	4.9	0.0	0.0	2.5	2.5	4.9	2.5	2.5
155°	4.9	4.9	4.9	0.0	0.0	0.0	2.5	2.5	2.5	4.9	4.9
157.5°	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
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: P561008

CATALOG NUMBER: SDL-PA1-70-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4
2.5°	673.9	671.5	669.0	666.6	661.7	656.8	644.5	593.0	593.0	595.5	595.5
5°	661.7	659.2	651.9	605.3	578.3	563.6	568.5	568.5	568.5	571.0	575.9
7.5°	578.3	575.9	541.6	539.1	548.9	561.2	568.5	556.3	531.8	531.8	531.8
10°	504.8	502.4	441.1	428.9	441.1	470.5	546.5	561.2	571.0	573.4	578.3
12.5°	441.1	433.8	379.8	419.0	392.1	441.1	509.7	566.1	514.6	504.8	504.8
15°	490.1	487.7	424.0	367.6	370.0	441.1	404.3	531.8	561.2	566.1	568.5
17.5°	428.9	424.0	389.6	387.2	409.2	355.3	448.5	507.3	482.8	490.1	490.1
20°	512.2	509.7	446.0	370.0	365.1	433.8	397.0	460.7	548.9	566.1	568.5
22.5°	397.0	397.0	409.2	433.8	394.5	414.1	424.0	487.7	470.5	480.3	509.7
25°	563.6	558.7	495.0	389.6	424.0	399.4	443.6	463.2	544.0	563.6	568.5
27.5°	683.7	671.5	531.8	438.7	382.3	428.9	426.4	448.5	460.7	536.7	546.5
30°	806.2	794.0	683.7	492.6	397.0	370.0	406.8	480.3	553.8	566.1	575.9
32.5°	850.4	840.5	698.4	522.0	399.4	394.5	404.3	480.3	607.7	656.8	666.6
35°	896.9	884.7	713.1	509.7	389.6	367.6	382.3	495.0	605.3	637.2	644.5
37.5°	953.3	931.2	730.3	485.2	362.7	348.0	365.1	450.9	575.9	607.7	612.6
40°	1024.3	1002.3	752.3	458.3	335.7	323.5	333.3	419.0	504.8	531.8	544.0
42.5°	1132.2	1090.5	762.1	436.2	311.2	299.0	308.8	377.4	443.6	460.7	468.1
45°	1271.9	1198.3	776.8	406.8	289.2	272.0	286.7	345.5	377.4	377.4	377.4
47.5°	1443.4	1325.8	784.2	382.3	262.2	247.5	262.2	313.7	330.8	321.0	318.6
50°	1654.1	1487.5	820.9	352.9	240.2	227.9	252.4	276.9	284.3	289.2	289.2
52.5°	1901.7	1673.7	843.0	323.5	225.5	218.1	242.6	259.8	262.2	267.1	267.1
55°	2171.2	1877.1	855.3	296.5	215.7	205.8	232.8	250.0	250.0	254.9	254.9
57.5°	2450.6	2112.4	887.1	276.9	205.8	196.0	223.0	252.4	242.6	252.4	254.9
60°	2744.7	2330.5	860.2	257.3	191.1	188.7	225.5	269.6	267.1	279.4	281.8
62.5°	3021.6	2504.5	740.1	240.2	181.3	191.1	252.4	303.9	296.5	316.1	316.1
65°	3178.4	2563.3	544.0	230.4	174.0	205.8	279.4	338.2	313.7	323.5	318.6
67.5°	3212.7	2504.5	392.1	218.1	171.5	230.4	299.0	345.5	311.2	321.0	321.0
70°	3131.8	2367.3	316.1	208.3	169.1	232.8	303.9	345.5	313.7	335.7	330.8
72.5°	2766.7	2014.4	269.6	198.5	169.1	227.9	311.2	348.0	321.0	357.8	350.4
75°	2085.4	1507.1	237.7	188.7	159.3	220.6	316.1	350.4	311.2	350.4	345.5
77.5°	1240.0	860.2	210.7	176.4	147.0	213.2	311.2	350.4	303.9	345.5	340.6
80°	524.4	404.3	178.9	154.4	134.8	203.4	306.3	348.0	291.6	335.7	328.4
82.5°	330.8	274.5	151.9	127.4	132.3	200.9	308.8	343.1	286.7	338.2	313.7
85°	267.1	225.5	129.9	107.8	122.5	205.8	296.5	311.2	247.5	291.6	284.3
87.5°	225.5	188.7	58.8	46.6	90.7	159.3	225.5	232.8	178.9	227.9	218.1
90°	247.5	205.8	56.4	39.2	80.9	139.7	208.3	203.4	171.5	218.1	215.7
92.5°	269.6	218.1	53.9	41.7	90.7	151.9	227.9	205.8	181.3	220.6	218.1
95°	279.4	223.0	51.5	44.1	107.8	166.6	242.6	200.9	191.1	203.4	200.9
97.5°	210.7	161.7	49.0	46.6	112.7	188.7	227.9	169.1	125.0	125.0	122.5
100°	53.9	53.9	44.1	44.1	76.0	137.2	174.0	125.0	71.1	53.9	56.4
102.5°	14.7	17.2	39.2	41.7	41.7	61.3	98.0	80.9	46.6	7.4	7.4
105°	14.7	14.7	27.0	31.9	22.1	19.6	39.2	44.1	34.3	4.9	7.4
107.5°	14.7	14.7	12.3	17.2	7.4	9.8	9.8	12.3	12.3	4.9	4.9
110°	17.2	14.7	7.4	7.4	4.9	4.9	4.9	4.9	4.9	9.8	9.8



REPORT NUMBER: P561008

CATALOG NUMBER: SDL-PA1-70-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.2	14.7	7.4	4.9	4.9	4.9	4.9	4.9	4.9	12.3	12.3
115°	14.7	12.3	7.4	4.9	4.9	4.9	4.9	2.5	4.9	14.7	14.7
117.5°	17.2	14.7	7.4	4.9	2.5	4.9	4.9	2.5	4.9	17.2	17.2
120°	19.6	17.2	7.4	4.9	2.5	2.5	2.5	2.5	7.4	17.2	17.2
122.5°	19.6	19.6	9.8	2.5	2.5	2.5	2.5	2.5	7.4	17.2	17.2
125°	19.6	17.2	7.4	2.5	2.5	2.5	0.0	2.5	7.4	17.2	19.6
127.5°	14.7	14.7	7.4	2.5	2.5	2.5	0.0	2.5	7.4	14.7	17.2
130°	12.3	12.3	4.9	2.5	2.5	2.5	0.0	2.5	7.4	14.7	14.7
132.5°	9.8	9.8	4.9	2.5	2.5	0.0	0.0	0.0	7.4	12.3	12.3
135°	7.4	7.4	2.5	2.5	2.5	0.0	0.0	0.0	4.9	9.8	9.8
137.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	4.9	4.9
140°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	2.5	4.9	2.5	4.9
152.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	2.5	4.9	4.9	4.9
155°	4.9	4.9	4.9	2.5	2.5	0.0	0.0	0.0	2.5	4.9	4.9
157.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	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)