

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: P561052

Luminaire Tested: **SDL-PA1-80-727-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561052
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-PA1-80-727-U-T4W-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA 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: 7198 lumens
Efficiency: N/A
Efficacy: 87.8 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: B2 - U3 - G3

Input Watts (W): 82
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

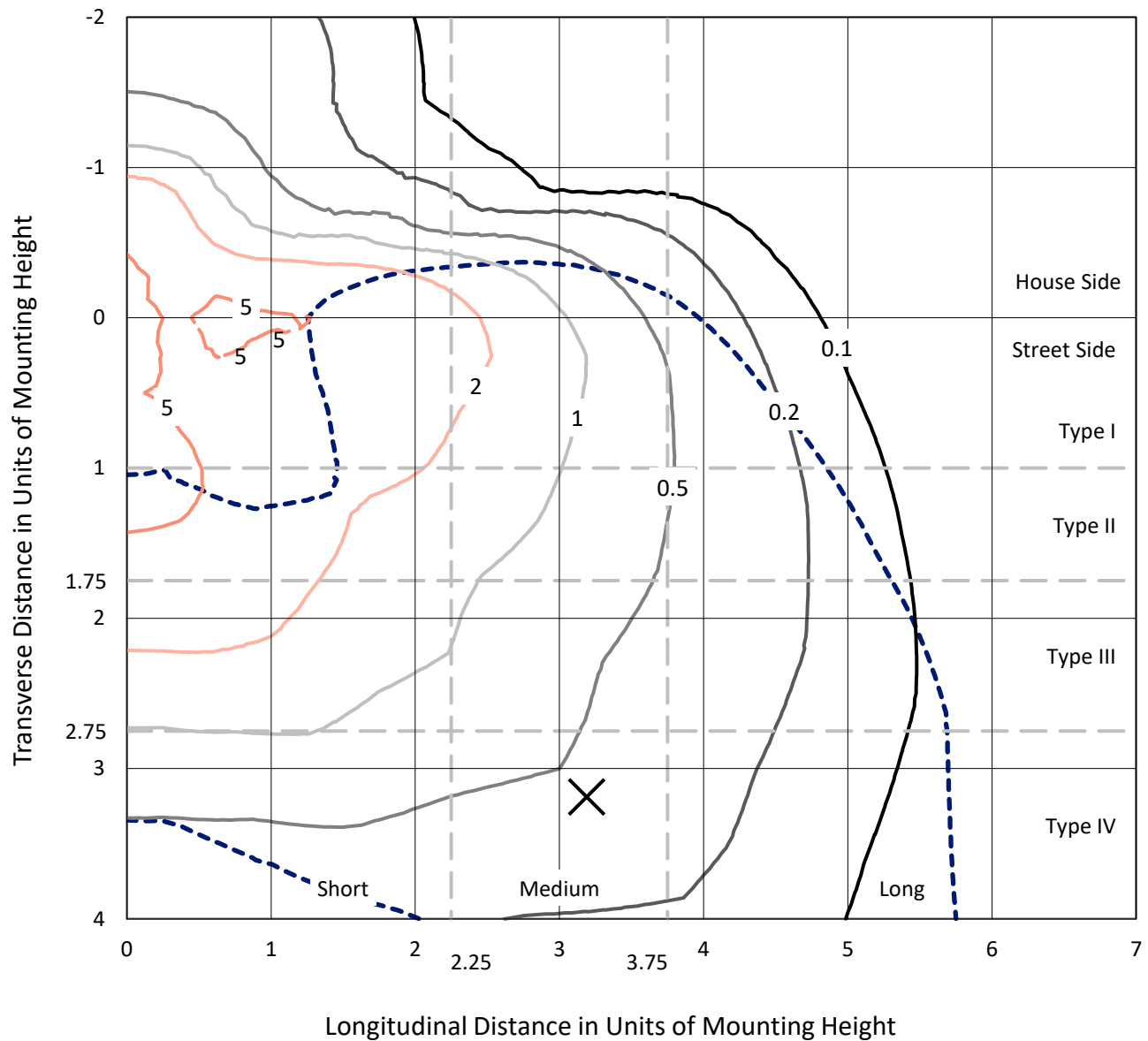


REPORT NUMBER: P561052

CATALOG NUMBER: SDL-PA1-80-727-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

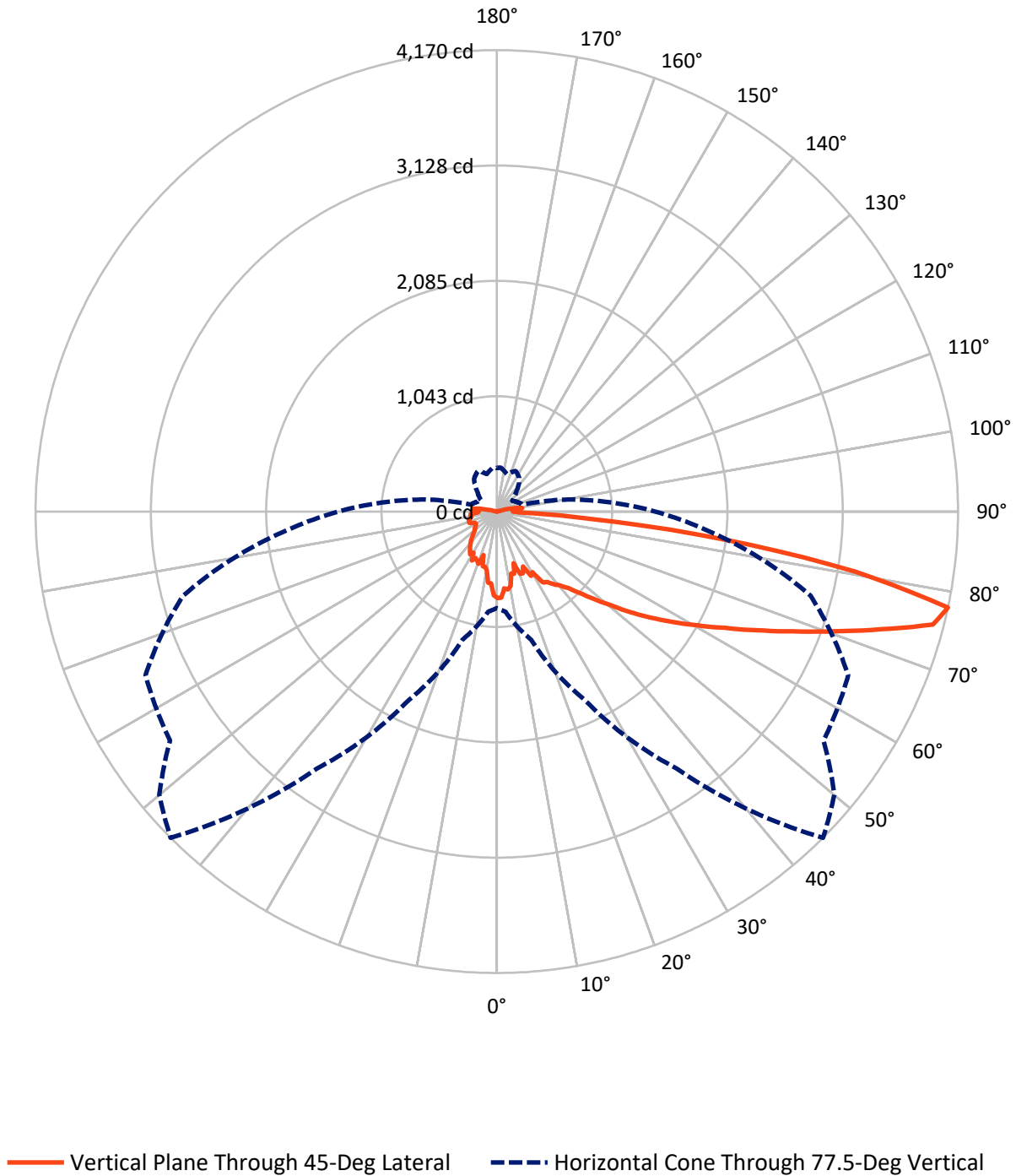


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
Type IV - Medium - N/A

REPORT NUMBER: P561052

CATALOG NUMBER: SDL-PA1-80-727-U-T4W-A

Luminous Intensity Polar Plot



REPORT NUMBER: P561052

CATALOG NUMBER: SDL-PA1-80-727-U-T4W-A

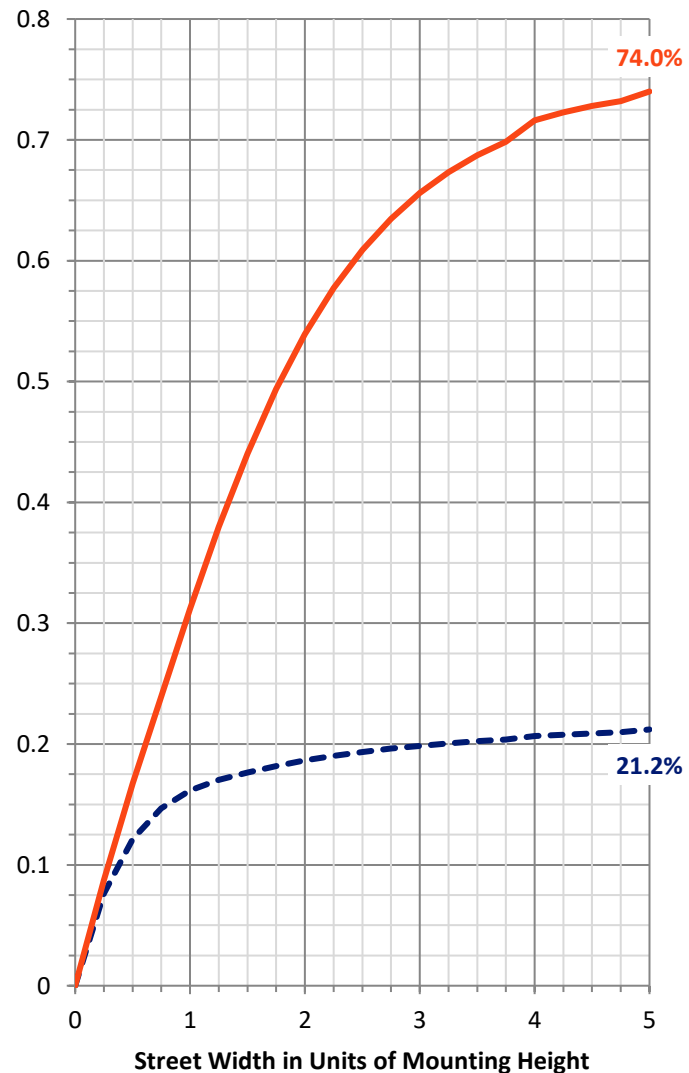
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1611.1	120.2	1731.2
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	5369.5	97.2	5466.7
	% Fixture	74.6	1.4	75.9
Total	Lumens	6980.6	217.4	7198.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	0.9
10°-20°	160.9	2.2
20°-30°	278.4	3.9
30°-40°	493.2	6.9
40°-50°	764.6	10.6
50°-60°	1230.9	17.1
60°-70°	1810.2	25.1
70°-80°	1742.8	24.2
80°-90°	434.6	6.0
90°-100°	162.1	2.3
100°-110°	35.9	0.5
110°-120°	7.7	0.1
120°-130°	6.4	0.1
130°-140°	2.8	0.0
140°-150°	1.2	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6980.6	97.0
0°-180°	7198.0	100.0



REPORT NUMBER: P561052

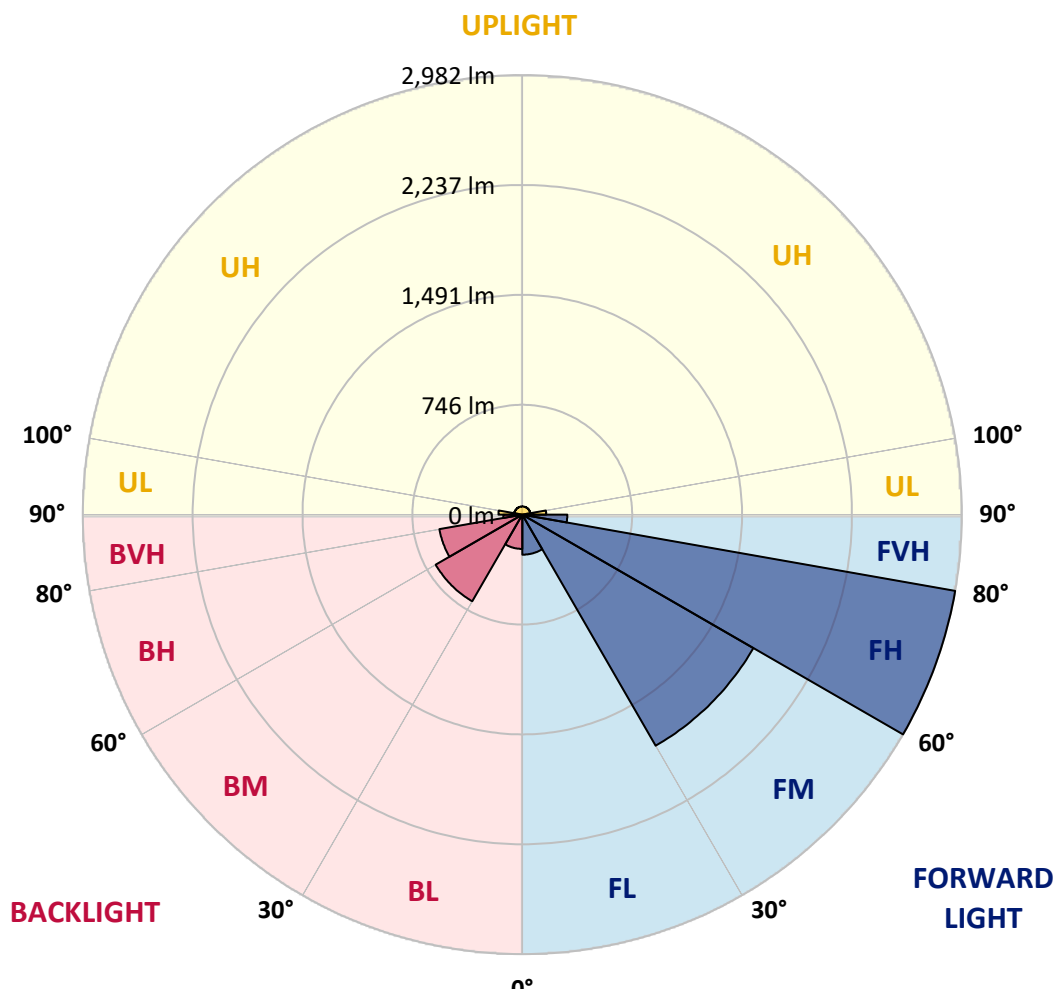
CATALOG NUMBER: SDL-PA1-80-727-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.7	3.8			
FM	(30°-60°)	1810.4	25.2			
FH	(60°-80°)	2982.1	41.4			G2/5000
FVH	(80°-90°)	305.3	4.2			G3/500
BL	(0°-30°)	232.5	3.2	B1/500		
BM	(30°-60°)	678.3	9.4	B1/1000		
BH	(60°-80°)	570.9	7.9	B2/1000		G2/1000
BVH	(80°-90°)	129.4	1.8			G2/225
UL	(90°-100°)	162.1	2.3		U3/500	
UH	(100°-180°)	55.3	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P561052

CATALOG NUMBER: SDL-PA1-80-727-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4
2.5°	710.6	778.6	767.3	775.8	775.8	778.6	781.4	781.4	784.2	781.4	781.4
5°	724.8	722.0	716.3	710.6	705.0	696.5	696.5	696.5	764.4	770.1	764.4
7.5°	676.7	736.1	730.5	719.1	719.1	710.6	699.3	688.0	668.2	662.5	671.0
10°	764.4	761.6	753.1	736.1	673.8	685.2	614.4	554.9	532.3	546.4	583.2
12.5°	679.5	727.6	747.4	747.4	668.2	574.7	512.5	546.4	526.6	470.0	512.5
15°	801.2	795.6	772.9	736.1	586.1	583.2	549.3	481.3	489.8	532.3	571.9
17.5°	685.2	685.2	767.3	702.1	603.1	489.8	487.0	540.8	495.5	472.8	495.5
20°	826.7	823.9	798.4	583.2	608.7	600.2	495.5	552.1	472.8	543.6	594.6
22.5°	702.1	696.5	736.1	699.3	580.4	605.9	464.3	523.8	563.4	498.3	461.5
25°	826.7	832.4	821.1	622.9	659.7	549.3	560.6	597.4	518.1	631.4	656.8
27.5°	727.6	727.6	696.5	696.5	611.5	659.7	526.6	560.6	617.2	682.3	801.2
30°	891.8	894.7	874.8	671.0	676.7	634.2	611.5	651.2	741.8	886.2	940.0
32.5°	1090.0	1090.0	937.1	801.2	679.5	764.4	645.5	710.6	840.9	914.5	985.3
35°	1214.6	1200.4	1132.5	900.3	733.3	781.4	730.5	755.9	872.0	979.6	1030.6
37.5°	1393.0	1387.3	1319.4	988.1	787.1	832.4	758.8	787.1	928.6	1027.7	1087.2
40°	1639.3	1611.0	1551.5	1141.0	852.2	877.7	792.7	826.7	996.6	1090.0	1160.8
42.5°	1834.6	1840.3	1797.8	1322.2	959.8	942.8	852.2	877.7	1070.2	1186.3	1265.6
45°	2015.8	2010.2	2018.7	1540.2	1092.9	1047.6	957.0	959.8	1163.6	1305.2	1412.8
47.5°	2140.4	2137.6	2157.4	1744.0	1262.7	1180.6	1073.0	1061.7	1271.2	1509.0	1613.8
50°	2290.5	2282.0	2270.6	1962.0	1455.2	1325.0	1225.9	1186.3	1409.9	1738.4	1868.6
52.5°	2474.5	2454.7	2417.9	2131.9	1667.6	1509.0	1398.6	1344.8	1596.8	1996.0	2163.1
55°	2650.0	2621.7	2590.6	2321.6	1862.9	1693.1	1574.2	1543.0	1840.3	2262.1	2477.3
57.5°	2822.7	2808.6	2783.1	2573.6	2112.1	1885.6	1752.5	1746.9	2123.4	2519.8	2814.2
60°	2984.1	2961.5	2995.4	2845.4	2344.3	2089.4	1947.9	1990.4	2434.9	2777.4	3188.0
62.5°	3083.2	3074.7	3148.3	3094.5	2559.4	2315.9	2171.5	2245.2	2735.0	3029.4	3519.2
65°	2936.0	2958.6	3250.2	3250.2	2808.6	2584.9	2443.3	2488.6	3018.1	3284.2	3822.2
67.5°	2667.0	2698.2	3094.5	3338.0	3032.2	2887.8	2740.6	2766.1	3270.1	3490.9	4068.5
70°	2437.7	2460.3	2828.4	3343.7	3173.8	3238.9	3026.6	3003.9	3465.4	3663.6	4159.1
72.5°	2236.7	2267.8	2570.8	3309.7	3312.5	3638.1	3366.3	3230.4	3643.8	3728.7	3870.3
75°	1772.3	1758.2	2100.8	2910.5	3357.8	4074.1	3765.5	3482.4	3731.6	3505.1	3035.1
77.5°	872.0	908.8	1197.6	1874.3	2834.1	4170.4	3983.5	3607.0	3505.1	2936.0	1894.1
80°	257.6	266.1	334.1	671.0	1628.0	3284.2	3289.9	2984.1	2635.9	1715.7	855.0
82.5°	144.4	147.2	192.5	291.6	668.2	2080.9	2165.9	1792.2	1166.5	634.2	427.5
85°	76.4	79.3	99.1	152.9	339.7	829.5	880.5	685.2	563.4	413.4	314.3
87.5°	36.8	36.8	34.0	51.0	124.6	201.0	223.7	254.8	226.5	212.3	260.5
90°	31.1	31.1	25.5	28.3	67.9	144.4	175.5	195.4	178.4	195.4	286.0
92.5°	34.0	34.0	25.5	28.3	73.6	161.4	192.5	218.0	189.7	209.5	317.1
95°	31.1	34.0	22.6	25.5	73.6	198.2	232.2	237.8	195.4	229.3	339.7
97.5°	25.5	25.5	17.0	19.8	65.1	232.2	254.8	246.3	172.7	175.5	271.8
100°	19.8	19.8	11.3	17.0	45.3	186.9	218.0	206.7	113.2	28.3	67.9
102.5°	17.0	17.0	8.5	14.2	19.8	90.6	116.1	113.2	67.9	17.0	14.2
105°	17.0	17.0	8.5	11.3	11.3	25.5	39.6	51.0	28.3	8.5	14.2
107.5°	17.0	17.0	8.5	5.7	5.7	11.3	14.2	14.2	14.2	8.5	17.0



REPORT NUMBER: P561052

CATALOG NUMBER: SDL-PA1-80-727-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	17.0	17.0	5.7	5.7	2.8	5.7	5.7	5.7	5.7	8.5	17.0
115°	14.2	14.2	2.8	5.7	2.8	2.8	5.7	2.8	5.7	5.7	14.2
117.5°	14.2	11.3	2.8	2.8	2.8	2.8	2.8	2.8	5.7	8.5	17.0
120°	14.2	14.2	5.7	2.8	2.8	2.8	2.8	2.8	5.7	11.3	19.8
122.5°	14.2	14.2	5.7	2.8	0.0	2.8	2.8	2.8	5.7	11.3	22.6
125°	17.0	14.2	5.7	2.8	0.0	0.0	2.8	2.8	2.8	11.3	19.8
127.5°	14.2	11.3	5.7	2.8	0.0	0.0	2.8	2.8	2.8	8.5	17.0
130°	14.2	11.3	5.7	0.0	0.0	0.0	2.8	2.8	2.8	8.5	14.2
132.5°	11.3	8.5	5.7	0.0	0.0	0.0	2.8	2.8	2.8	5.7	11.3
135°	8.5	8.5	2.8	0.0	2.8	0.0	2.8	2.8	2.8	2.8	8.5
137.5°	5.7	5.7	2.8	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
140°	2.8	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	8.5	8.5	8.5	5.7	2.8	2.8	2.8	5.7	2.8	2.8	2.8
152.5°	8.5	8.5	8.5	5.7	0.0	0.0	2.8	2.8	5.7	2.8	2.8
155°	5.7	5.7	5.7	0.0	0.0	0.0	2.8	2.8	2.8	5.7	5.7
157.5°	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
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: P561052

CATALOG NUMBER: SDL-PA1-80-727-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4
2.5°	778.6	775.8	772.9	770.1	764.4	758.8	744.6	685.2	685.2	688.0	688.0
5°	764.4	761.6	753.1	699.3	668.2	651.2	656.8	656.8	656.8	659.7	665.3
7.5°	668.2	665.3	625.7	622.9	634.2	648.4	656.8	642.7	614.4	614.4	614.4
10°	583.2	580.4	509.6	495.5	509.6	543.6	631.4	648.4	659.7	662.5	668.2
12.5°	509.6	501.1	438.8	484.1	453.0	509.6	588.9	654.0	594.6	583.2	583.2
15°	566.2	563.4	489.8	424.7	427.5	509.6	467.2	614.4	648.4	654.0	656.8
17.5°	495.5	489.8	450.2	447.3	472.8	410.5	518.1	586.1	557.8	566.2	566.2
20°	591.7	588.9	515.3	427.5	421.9	501.1	458.7	532.3	634.2	654.0	656.8
22.5°	458.7	458.7	472.8	501.1	455.8	478.5	489.8	563.4	543.6	554.9	588.9
25°	651.2	645.5	571.9	450.2	489.8	461.5	512.5	535.1	628.5	651.2	656.8
27.5°	789.9	775.8	614.4	506.8	441.7	495.5	492.6	518.1	532.3	620.0	631.4
30°	931.5	917.3	789.9	569.1	458.7	427.5	470.0	554.9	639.9	654.0	665.3
32.5°	982.4	971.1	806.9	603.1	461.5	455.8	467.2	554.9	702.1	758.8	770.1
35°	1036.2	1022.1	823.9	588.9	450.2	424.7	441.7	571.9	699.3	736.1	744.6
37.5°	1101.3	1075.9	843.7	560.6	419.0	402.0	421.9	520.9	665.3	702.1	707.8
40°	1183.5	1158.0	869.2	529.4	387.9	373.7	385.0	484.1	583.2	614.4	628.5
42.5°	1308.0	1259.9	880.5	504.0	359.6	345.4	356.7	436.0	512.5	532.3	540.8
45°	1469.4	1384.5	897.5	470.0	334.1	314.3	331.3	399.2	436.0	436.0	436.0
47.5°	1667.6	1531.7	906.0	441.7	302.9	286.0	302.9	362.4	382.2	370.9	368.1
50°	1911.1	1718.6	948.5	407.7	277.5	263.3	291.6	319.9	328.4	334.1	334.1
52.5°	2197.0	1933.7	973.9	373.7	260.5	252.0	280.3	300.1	302.9	308.6	308.6
55°	2508.5	2168.7	988.1	342.6	249.1	237.8	269.0	288.8	288.8	294.4	294.4
57.5°	2831.2	2440.5	1024.9	319.9	237.8	226.5	257.6	291.6	280.3	291.6	294.4
60°	3171.0	2692.5	993.8	297.3	220.8	218.0	260.5	311.4	308.6	322.8	325.6
62.5°	3490.9	2893.5	855.0	277.5	209.5	220.8	291.6	351.1	342.6	365.2	365.2
65°	3672.1	2961.5	628.5	266.1	201.0	237.8	322.8	390.7	362.4	373.7	368.1
67.5°	3711.7	2893.5	453.0	252.0	198.2	266.1	345.4	399.2	359.6	370.9	370.9
70°	3618.3	2735.0	365.2	240.7	195.4	269.0	351.1	399.2	362.4	387.9	382.2
72.5°	3196.5	2327.3	311.4	229.3	195.4	263.3	359.6	402.0	370.9	413.4	404.9
75°	2409.4	1741.2	274.6	218.0	184.0	254.8	365.2	404.9	359.6	404.9	399.2
77.5°	1432.6	993.8	243.5	203.8	169.9	246.3	359.6	404.9	351.1	399.2	393.5
80°	605.9	467.2	206.7	178.4	155.7	235.0	353.9	402.0	336.9	387.9	379.4
82.5°	382.2	317.1	175.5	147.2	152.9	232.2	356.7	396.4	331.3	390.7	362.4
85°	308.6	260.5	150.1	124.6	141.6	237.8	342.6	359.6	286.0	336.9	328.4
87.5°	260.5	218.0	67.9	53.8	104.8	184.0	260.5	269.0	206.7	263.3	252.0
90°	286.0	237.8	65.1	45.3	93.4	161.4	240.7	235.0	198.2	252.0	249.1
92.5°	311.4	252.0	62.3	48.1	104.8	175.5	263.3	237.8	209.5	254.8	252.0
95°	322.8	257.6	59.5	51.0	124.6	192.5	280.3	232.2	220.8	235.0	232.2
97.5°	243.5	186.9	56.6	53.8	130.2	218.0	263.3	195.4	144.4	144.4	141.6
100°	62.3	62.3	51.0	51.0	87.8	158.5	201.0	144.4	82.1	62.3	65.1
102.5°	17.0	19.8	45.3	48.1	48.1	70.8	113.2	93.4	53.8	8.5	8.5
105°	17.0	17.0	31.1	36.8	25.5	22.6	45.3	51.0	39.6	5.7	8.5
107.5°	17.0	17.0	14.2	19.8	8.5	11.3	11.3	14.2	14.2	5.7	5.7



REPORT NUMBER: P561052

CATALOG NUMBER: SDL-PA1-80-727-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.8	17.0	8.5	5.7	5.7	5.7	5.7	5.7	5.7	14.2	14.2
115°	17.0	14.2	8.5	5.7	5.7	5.7	5.7	2.8	5.7	17.0	17.0
117.5°	19.8	17.0	8.5	5.7	2.8	5.7	5.7	2.8	5.7	19.8	19.8
120°	22.6	19.8	8.5	5.7	2.8	2.8	2.8	2.8	8.5	19.8	19.8
122.5°	22.6	22.6	11.3	2.8	2.8	2.8	2.8	2.8	8.5	19.8	19.8
125°	22.6	19.8	8.5	2.8	2.8	2.8	0.0	2.8	8.5	19.8	22.6
127.5°	17.0	17.0	8.5	2.8	2.8	2.8	0.0	2.8	8.5	17.0	19.8
130°	14.2	14.2	5.7	2.8	2.8	2.8	0.0	2.8	8.5	17.0	17.0
132.5°	11.3	11.3	5.7	2.8	2.8	0.0	0.0	0.0	8.5	14.2	14.2
135°	8.5	8.5	2.8	2.8	2.8	0.0	0.0	0.0	5.7	11.3	11.3
137.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	5.7	5.7
140°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	2.8	5.7	2.8	5.7
152.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	2.8	5.7	5.7	5.7
155°	5.7	5.7	5.7	2.8	2.8	0.0	0.0	0.0	2.8	5.7	5.7
157.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	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



Report Generated By 670245982



--- HS --- SS



u



110°	19.8	19.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	8.5	17.0
------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	------



110°	19.8	17.0	8.5	8.5	5.7	5.7	5.7	5.7	5.7	11.3	11.3
------	------	------	-----	-----	-----	-----	-----	-----	-----	------	------

(END OF REPORT)