

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: P561055

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
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
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7761.5 lumens
Efficiency: N/A
Efficacy: 94.7 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 - U0 - G3

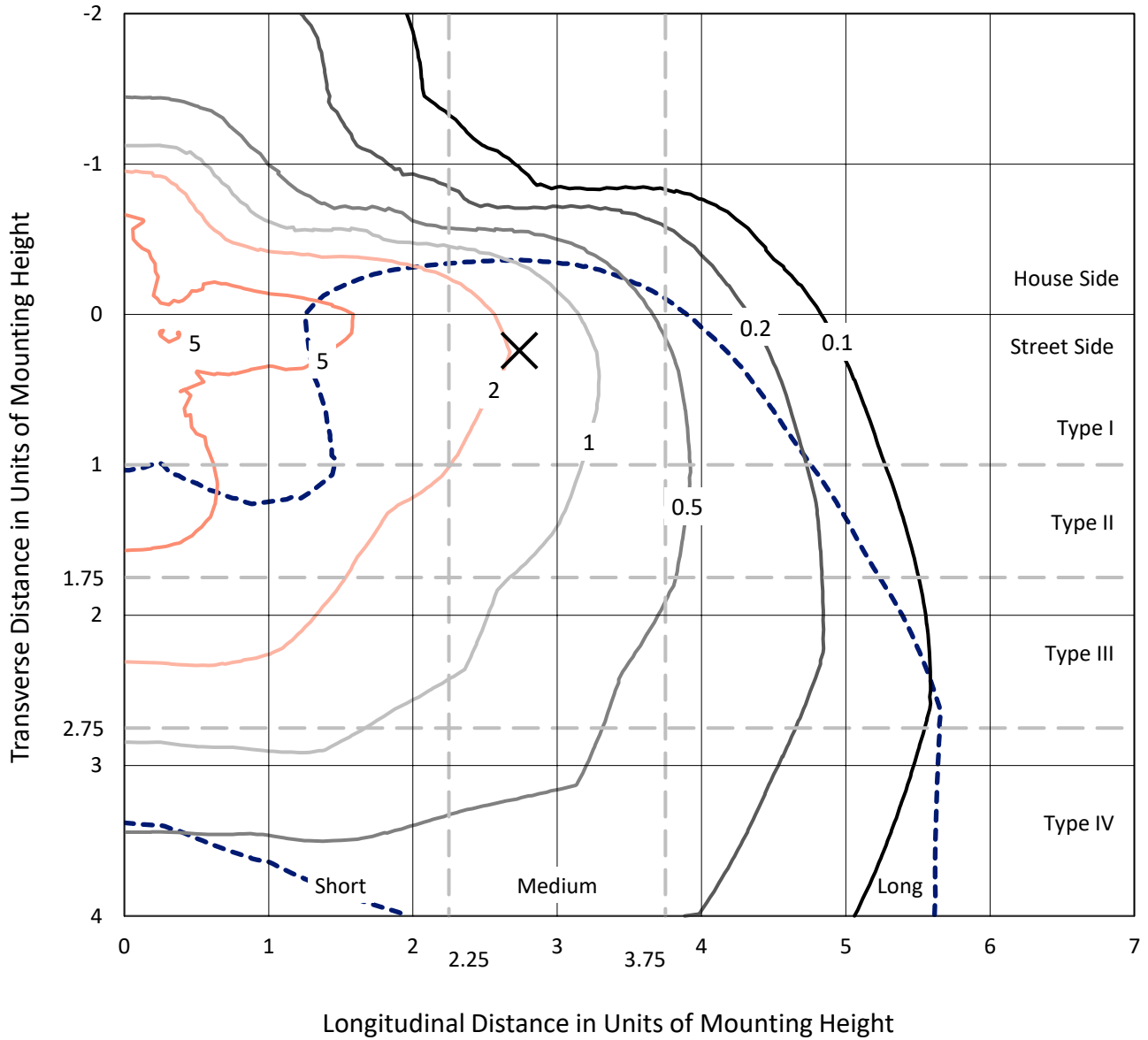
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P561055
 CATALOG NUMBER: SDL-PA1-80-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

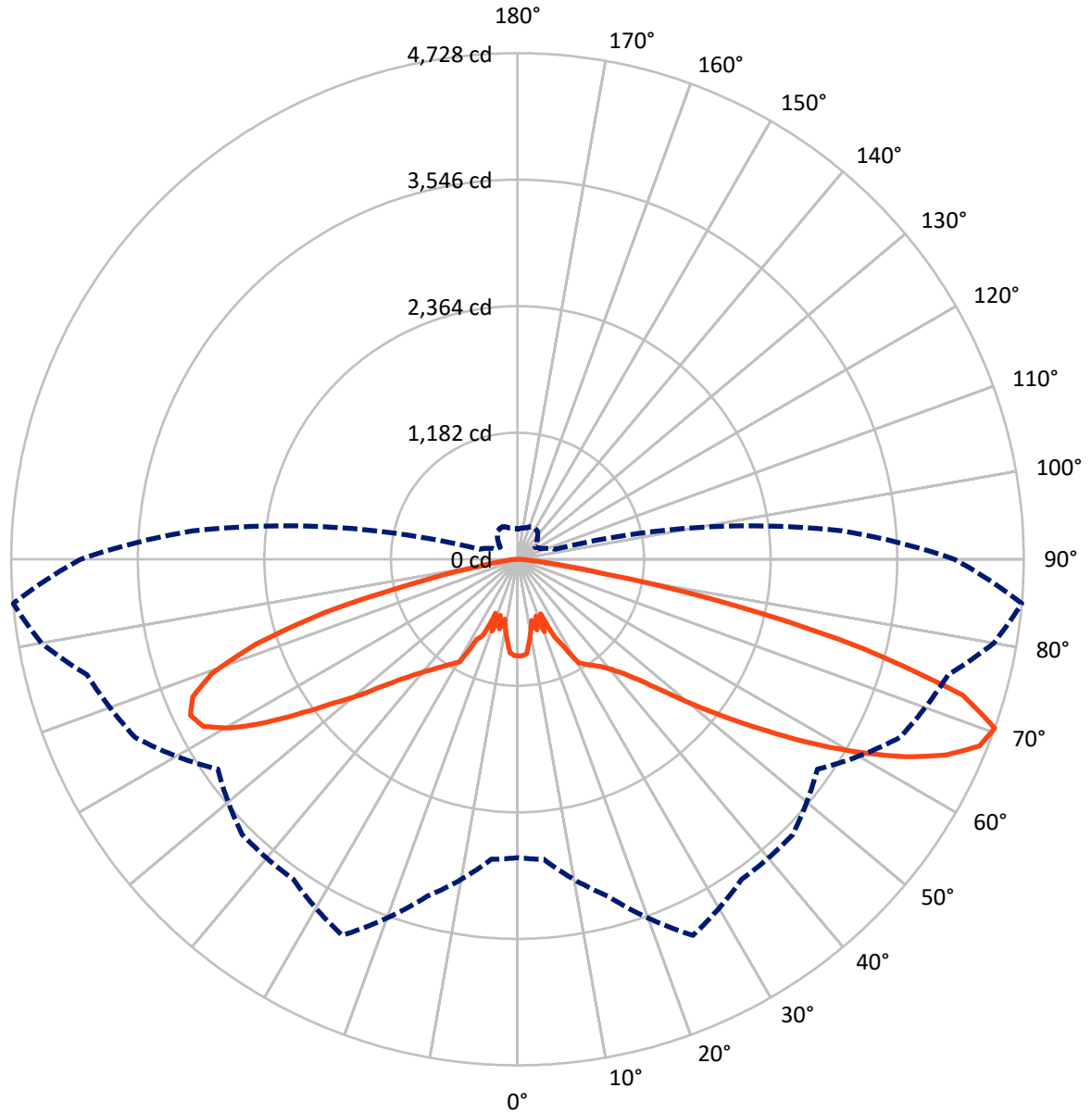
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P561055
CATALOG NUMBER: SDL-PA1-80-727-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P561055

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

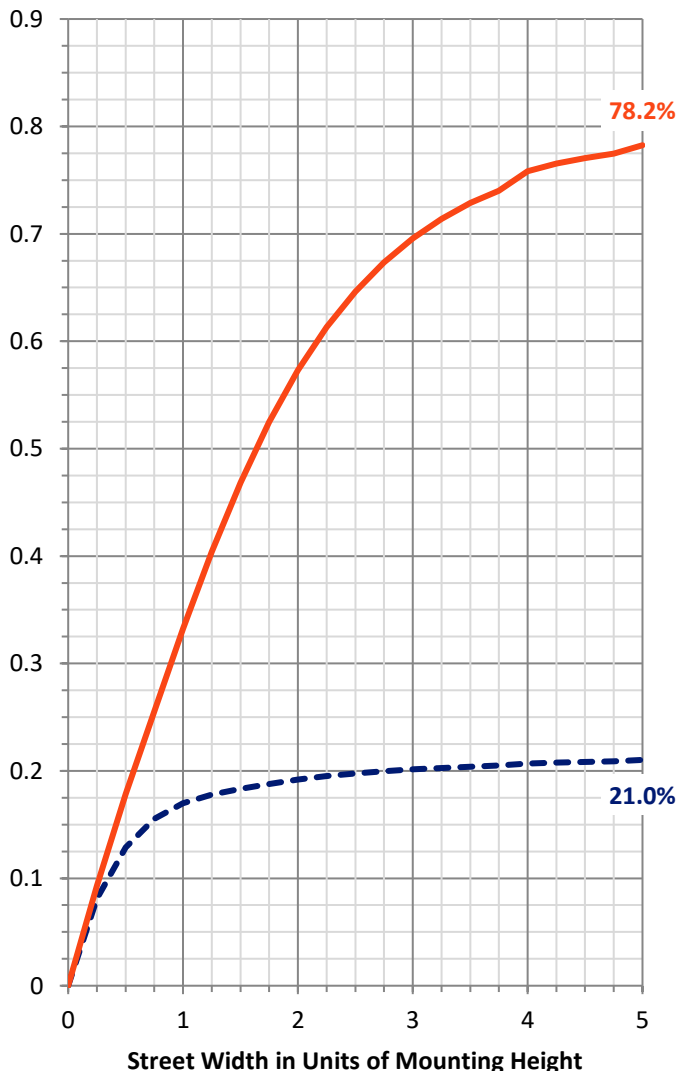
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1668.8	0.0	1668.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	6092.7	0.0	6092.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	7761.5	0.0	7761.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.0
10°-20°	188.9	2.4
20°-30°	330.2	4.3
30°-40°	581.6	7.5
40°-50°	877.5	11.3
50°-60°	1395.8	18.0
60°-70°	2046.7	26.4
70°-80°	1919.2	24.7
80°-90°	346.5	4.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7761.5	100.0
0°-180°	7761.5	100.0

Coefficient of Utilization



REPORT NUMBER: P561055

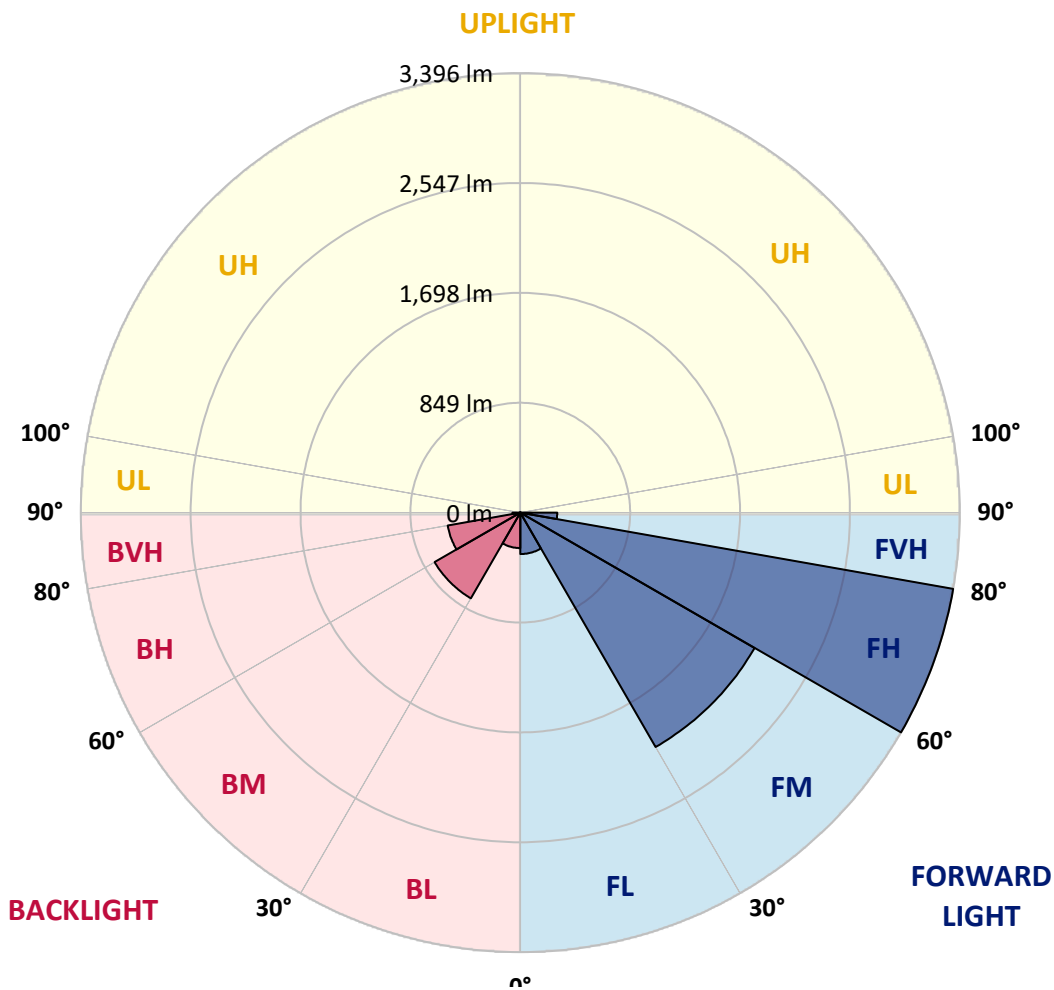
CATALOG NUMBER: SDL-PA1-80-727-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.0	4.1			
FM (30°-60°)	2091.0	26.9			
FH (60°-80°)	3396.3	43.8			G2/5000
FVH (80°-90°)	285.4	3.7			G3/500
BL (0°-30°)	274.0	3.5	B1/500		
BM (30°-60°)	763.9	9.8	B1/1000		
BH (60°-80°)	569.6	7.3	B2/1000		G2/1000
BVH (80°-90°)	61.2	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium





REPORT NUMBER: P561055

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5
2.5°	819.4	853.8	871.0	888.2	893.9	899.7	899.7	896.8	896.8	896.8	902.5
5°	833.8	830.9	830.9	830.9	828.0	825.2	822.3	816.6	813.7	808.0	805.1
7.5°	765.0	822.3	825.2	828.0	828.0	825.2	830.9	836.6	830.9	822.3	810.8
10°	908.3	905.4	899.7	893.9	885.3	876.7	810.8	742.1	747.8	753.5	699.1
12.5°	787.9	842.4	865.3	888.2	891.1	891.1	845.2	796.5	733.5	670.4	644.7
15°	962.7	957.0	945.5	934.0	856.7	776.5	730.6	684.8	684.8	684.8	607.4
17.5°	810.8	808.0	859.5	911.1	882.5	853.8	787.9	722.0	624.6	524.3	587.4
20°	994.2	994.2	979.9	965.6	833.8	699.1	707.7	713.4	716.3	716.3	687.6
22.5°	833.8	828.0	833.8	836.6	836.6	836.6	716.3	596.0	661.9	724.9	659.0
25°	994.2	997.1	994.2	991.3	871.0	747.8	767.9	787.9	696.2	601.7	664.7
27.5°	868.1	865.3	851.0	836.6	839.5	842.4	779.3	713.4	750.7	787.9	722.0
30°	1063.0	1065.8	1057.2	1045.8	925.4	805.1	799.4	790.8	765.0	739.2	762.1
32.5°	1283.6	1283.6	1194.8	1106.0	1031.5	954.1	891.1	828.0	853.8	879.6	851.0
35°	1401.1	1395.3	1366.7	1335.2	1197.6	1057.2	971.3	882.5	891.1	896.8	896.8
37.5°	1610.2	1607.4	1567.2	1527.1	1340.9	1151.8	1040.1	925.4	942.6	957.0	936.9
40°	1871.0	1871.0	1839.4	1805.1	1567.2	1326.6	1169.0	1011.4	1008.5	1002.8	979.9
42.5°	2123.1	2131.7	2111.6	2091.6	1813.6	1535.7	1329.4	1123.1	1097.4	1071.6	1048.7
45°	2289.3	2300.7	2317.9	2335.1	2060.1	1785.0	1544.3	1300.8	1252.1	1200.5	1160.4
47.5°	2458.3	2441.1	2464.0	2487.0	2252.0	2017.1	1753.5	1489.9	1409.7	1329.4	1286.5
50°	2615.9	2610.2	2618.8	2627.4	2435.4	2243.4	1971.2	1699.0	1601.6	1501.3	1452.6
52.5°	2822.2	2802.1	2790.7	2779.2	2615.9	2452.6	2194.7	1934.0	1819.4	1701.9	1644.6
55°	3019.9	3011.3	2994.1	2974.0	2833.6	2693.3	2421.1	2148.9	2028.5	1908.2	1842.3
57.5°	3223.3	3217.6	3214.7	3211.8	3088.6	2965.4	2687.5	2406.7	2269.2	2128.8	2074.4
60°	3415.3	3418.1	3441.1	3461.1	3366.6	3272.0	2991.2	2710.4	2535.7	2358.0	2303.6
62.5°	3529.9	3538.5	3595.8	3650.2	3598.6	3547.1	3257.7	2965.4	2782.1	2595.8	2558.6
65°	3383.8	3426.7	3592.9	3759.1	3759.1	3759.1	3495.5	3229.0	3068.6	2908.1	2876.6
67.5°	3057.1	3100.1	3337.9	3572.9	3696.1	3819.3	3647.4	3475.4	3366.6	3254.8	3214.7
70°	2787.8	2813.6	3037.1	3257.7	3567.1	3876.6	3764.8	3650.2	3644.5	3635.9	3527.0
72.5°	2561.5	2618.8	2802.1	2982.6	3409.5	3836.5	3833.6	3830.7	3948.2	4065.7	3856.5
75°	2048.6	2042.9	2214.8	2386.7	2868.0	3346.5	3615.8	3882.3	4220.4	4555.6	4234.7
77.5°	914.0	977.0	1140.3	1303.7	1736.3	2166.1	2684.7	3203.3	3948.2	4690.3	4363.6
80°	260.7	275.1	320.9	363.9	567.3	767.9	1312.2	1853.8	2790.7	3724.7	3504.1
82.5°	137.5	143.3	171.9	197.7	255.0	309.4	515.7	719.2	1524.3	2326.5	2126.0
85°	65.9	60.2	77.4	91.7	123.2	154.7	237.8	320.9	590.2	859.5	742.1
87.5°	14.3	14.3	17.2	17.2	25.8	34.4	51.6	68.8	65.9	60.2	71.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561055

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5
2.5°	905.4	908.3	911.1	908.3	905.4	902.5	902.5	899.7	899.7	896.8	891.1
5°	802.2	842.4	882.5	885.3	888.2	888.2	885.3	882.5	876.7	873.9	868.1
7.5°	799.4	785.1	770.7	773.6	776.5	779.3	779.3	770.7	767.9	744.9	722.0
10°	641.8	627.5	613.1	621.7	630.3	661.9	679.0	673.3	667.6	627.5	584.5
12.5°	618.9	613.1	607.4	564.4	521.5	558.7	584.5	581.6	573.0	535.8	498.5
15°	530.1	532.9	532.9	581.6	630.3	661.9	684.8	679.0	673.3	627.5	581.6
17.5°	647.5	616.0	581.6	573.0	564.4	578.8	558.7	527.2	547.2	541.5	535.8
20°	656.1	578.8	498.5	578.8	659.0	679.0	722.0	719.2	710.6	670.4	630.3
22.5°	593.1	638.9	681.9	638.9	596.0	567.3	553.0	547.2	544.4	555.8	564.4
25°	727.8	641.8	553.0	659.0	762.1	785.1	796.5	787.9	785.1	733.5	681.9
27.5°	653.3	699.1	744.9	779.3	813.7	842.4	928.3	845.2	842.4	793.7	742.1
30°	782.2	830.9	879.6	968.4	1057.2	1106.0	1123.1	1117.4	1103.1	1025.7	948.4
32.5°	822.3	919.7	1014.3	1054.4	1091.6	1143.2	1169.0	1166.1	1151.8	1060.1	965.6
35°	896.8	968.4	1040.1	1094.5	1146.1	1194.8	1217.7	1226.3	1209.1	1094.5	977.0
37.5°	916.9	1008.5	1100.2	1157.5	1214.8	1252.1	1272.1	1297.9	1277.9	1140.3	999.9
40°	957.0	1065.8	1171.9	1229.2	1283.6	1318.0	1352.4	1383.9	1358.1	1191.9	1022.9
42.5°	1022.9	1134.6	1243.5	1309.4	1372.4	1421.1	1461.2	1504.2	1455.5	1240.6	1022.9
45°	1120.3	1223.4	1326.6	1415.4	1501.3	1561.5	1618.8	1679.0	1581.6	1303.7	1022.9
47.5°	1243.5	1343.8	1441.2	1581.6	1722.0	1776.4	1845.2	1902.5	1744.9	1383.9	1022.9
50°	1401.1	1512.8	1624.5	1810.8	1994.2	2045.7	2131.7	2174.7	1962.6	1507.1	1048.7
52.5°	1584.4	1707.6	1828.0	2045.7	2263.5	2349.4	2464.0	2492.7	2183.3	1630.3	1074.4
55°	1776.4	1942.6	2105.9	2346.6	2584.4	2667.5	2830.8	2853.7	2466.9	1782.1	1094.5
57.5°	2019.9	2214.8	2406.7	2641.7	2873.8	2991.2	3246.2	3254.8	2796.4	1968.4	1137.5
60°	2249.2	2492.7	2733.4	2956.9	3180.3	3363.7	3658.8	3661.7	3105.8	2108.8	1108.8
62.5°	2521.3	2810.7	3097.2	3289.2	3481.2	3707.5	4062.8	4011.2	3323.6	2126.0	928.3
65°	2842.2	3140.2	3438.2	3601.5	3762.0	4019.8	4403.8	4206.1	3383.8	2028.5	670.4
67.5°	3171.7	3449.7	3727.6	3856.5	3985.4	4312.1	4653.0	4229.0	3294.9	1882.4	467.0
70°	3418.1	3678.9	3939.6	4051.3	4163.1	4515.5	4727.5	4080.0	3045.7	1704.8	363.9
72.5°	3644.5	3890.9	4134.4	4191.7	4246.2	4426.7	4349.3	3595.8	2567.2	1435.4	300.8
75°	3913.8	4071.4	4226.1	4123.0	4019.8	3776.3	3337.9	2621.6	1879.5	1068.7	257.9
77.5°	4037.0	3999.8	3959.7	3607.2	3254.8	2601.6	2074.4	1515.7	954.1	587.4	220.6
80°	3283.5	3134.5	2982.6	2392.4	1802.2	1232.0	808.0	512.9	349.6	263.6	177.6
82.5°	1922.5	1575.8	1229.2	902.5	575.9	404.0	263.6	209.2	163.3	154.7	143.3
85°	621.7	550.1	478.5	378.2	277.9	171.9	100.3	91.7	86.0	94.6	100.3
87.5°	83.1	83.1	80.2	60.2	37.2	20.1	11.5	8.6	8.6	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561055
 CATALOG NUMBER: SDL-PA1-80-727-U-T4W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5	902.5
2.5°	891.1	888.2	885.3	882.5	879.6	873.9	851.0	828.0	819.4	808.0	799.4
5°	839.5	810.8	790.8	770.7	762.1	750.7	753.5	756.4	759.3	759.3	759.3
7.5°	727.8	733.5	736.3	736.3	744.9	750.7	756.4	759.3	747.8	736.3	722.0
10°	578.8	570.2	581.6	590.2	604.5	616.0	653.3	690.5	724.9	759.3	773.6
12.5°	527.2	555.8	532.9	510.0	555.8	598.8	650.4	702.0	733.5	762.1	736.3
15°	535.8	487.1	492.8	495.7	553.0	607.4	575.9	544.4	633.2	719.2	744.9
17.5°	527.2	518.6	550.1	578.8	524.3	469.9	547.2	621.7	661.9	702.0	690.5
20°	570.2	507.1	507.1	507.1	555.8	604.5	567.3	530.1	573.0	616.0	687.6
22.5°	590.2	613.1	567.3	518.6	550.1	581.6	581.6	578.8	627.5	673.3	661.9
25°	596.0	510.0	550.1	587.4	567.3	544.4	570.2	593.1	607.4	621.7	684.8
27.5°	681.9	621.7	575.9	527.2	564.4	601.7	593.1	584.5	596.0	607.4	621.7
30°	808.0	667.6	616.0	561.6	541.5	518.6	544.4	567.3	610.3	653.3	710.6
32.5°	845.2	722.0	638.9	553.0	550.1	544.4	553.0	558.7	607.4	653.3	733.5
35°	839.5	699.1	618.9	535.8	518.6	501.4	515.7	527.2	598.8	670.4	747.8
37.5°	833.8	664.7	581.6	498.5	487.1	472.8	487.1	501.4	555.8	610.3	681.9
40°	825.2	624.6	544.4	461.3	447.0	432.6	447.0	458.4	501.4	544.4	601.7
42.5°	805.1	584.5	504.3	421.2	409.7	395.4	406.9	418.3	455.6	492.8	527.2
45°	782.2	538.7	461.3	383.9	372.5	361.0	369.6	375.3	409.7	441.2	458.4
47.5°	756.4	489.9	418.3	346.7	335.2	323.8	332.4	338.1	363.9	389.7	395.4
50°	750.7	449.8	383.9	315.2	306.6	295.1	300.8	306.6	326.6	343.8	343.8
52.5°	739.2	401.1	346.7	289.4	283.7	275.1	277.9	280.8	295.1	309.4	306.6
55°	730.6	366.7	318.0	269.3	263.6	255.0	257.9	260.7	275.1	286.5	283.7
57.5°	739.2	338.1	295.1	249.3	243.5	237.8	243.5	249.3	263.6	277.9	277.9
60°	710.6	309.4	269.3	229.2	226.3	220.6	234.9	246.4	269.3	289.4	295.1
62.5°	607.4	283.7	249.3	214.9	217.8	217.8	243.5	266.5	298.0	326.6	332.4
65°	467.0	263.6	234.9	203.4	217.8	232.1	266.5	300.8	329.5	358.1	349.6
67.5°	358.1	249.3	226.3	200.6	232.1	260.7	292.2	323.8	338.1	349.6	335.2
70°	300.8	234.9	217.8	197.7	229.2	260.7	292.2	323.8	329.5	335.2	320.9
72.5°	263.6	223.5	206.3	189.1	214.9	240.7	277.9	312.3	318.0	320.9	306.6
75°	234.9	209.2	189.1	169.0	194.8	217.8	255.0	292.2	298.0	300.8	289.4
77.5°	206.3	192.0	169.0	146.1	171.9	197.7	232.1	266.5	275.1	283.7	269.3
80°	171.9	163.3	146.1	128.9	157.6	183.4	214.9	246.4	255.0	263.6	249.3
82.5°	137.5	131.8	120.3	108.9	137.5	166.2	197.7	226.3	234.9	240.7	223.5
85°	100.3	100.3	94.6	88.8	117.5	143.3	163.3	183.4	180.5	177.6	166.2
87.5°	14.3	14.3	20.1	25.8	34.4	40.1	51.6	60.2	63.0	63.0	48.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561055
 CATALOG NUMBER: SDL-PA1-80-727-U-T4W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	902.5	902.5	902.5	902.5
2.5°	790.8	790.8	787.9	793.7
5°	759.3	762.1	762.1	765.0
7.5°	707.7	693.4	676.2	679.0
10°	787.9	790.8	793.7	793.7
12.5°	707.7	696.2	681.9	684.8
15°	767.9	776.5	785.1	787.9
17.5°	676.2	673.3	670.4	667.6
20°	756.4	770.7	785.1	785.1
22.5°	650.4	650.4	650.4	653.3
25°	747.8	765.0	779.3	779.3
27.5°	633.2	673.3	713.4	744.9
30°	765.0	773.6	782.2	785.1
32.5°	810.8	853.8	893.9	902.5
35°	822.3	842.4	859.5	868.1
37.5°	753.5	770.7	787.9	799.4
40°	656.1	670.4	684.8	693.4
42.5°	558.7	561.6	564.4	578.8
45°	475.6	461.3	447.0	444.1
47.5°	398.3	378.2	358.1	355.3
50°	341.0	323.8	306.6	306.6
52.5°	300.8	289.4	277.9	277.9
55°	280.8	275.1	266.5	266.5
57.5°	277.9	275.1	272.2	272.2
60°	298.0	300.8	300.8	300.8
62.5°	335.2	338.1	338.1	338.1
65°	338.1	332.4	326.6	326.6
67.5°	320.9	312.3	303.7	298.0
70°	303.7	298.0	289.4	280.8
72.5°	289.4	283.7	275.1	266.5
75°	275.1	266.5	255.0	249.3
77.5°	255.0	249.3	240.7	234.9
80°	232.1	226.3	217.8	206.3
82.5°	206.3	209.2	209.2	180.5
85°	151.9	143.3	131.8	108.9
87.5°	31.5	28.7	22.9	20.1
90°	0.0	0.0	0.0	0.0

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Peachtree City, GA 30269

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