

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: P560703

Luminaire Tested: **SDL-PA1-60-727-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560703
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-PA1-60-727-U-T4W
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6235.3 lumens
Efficiency: N/A
Efficacy: 99.9 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 - U0 - G3

Input Watts (W): 62.4
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



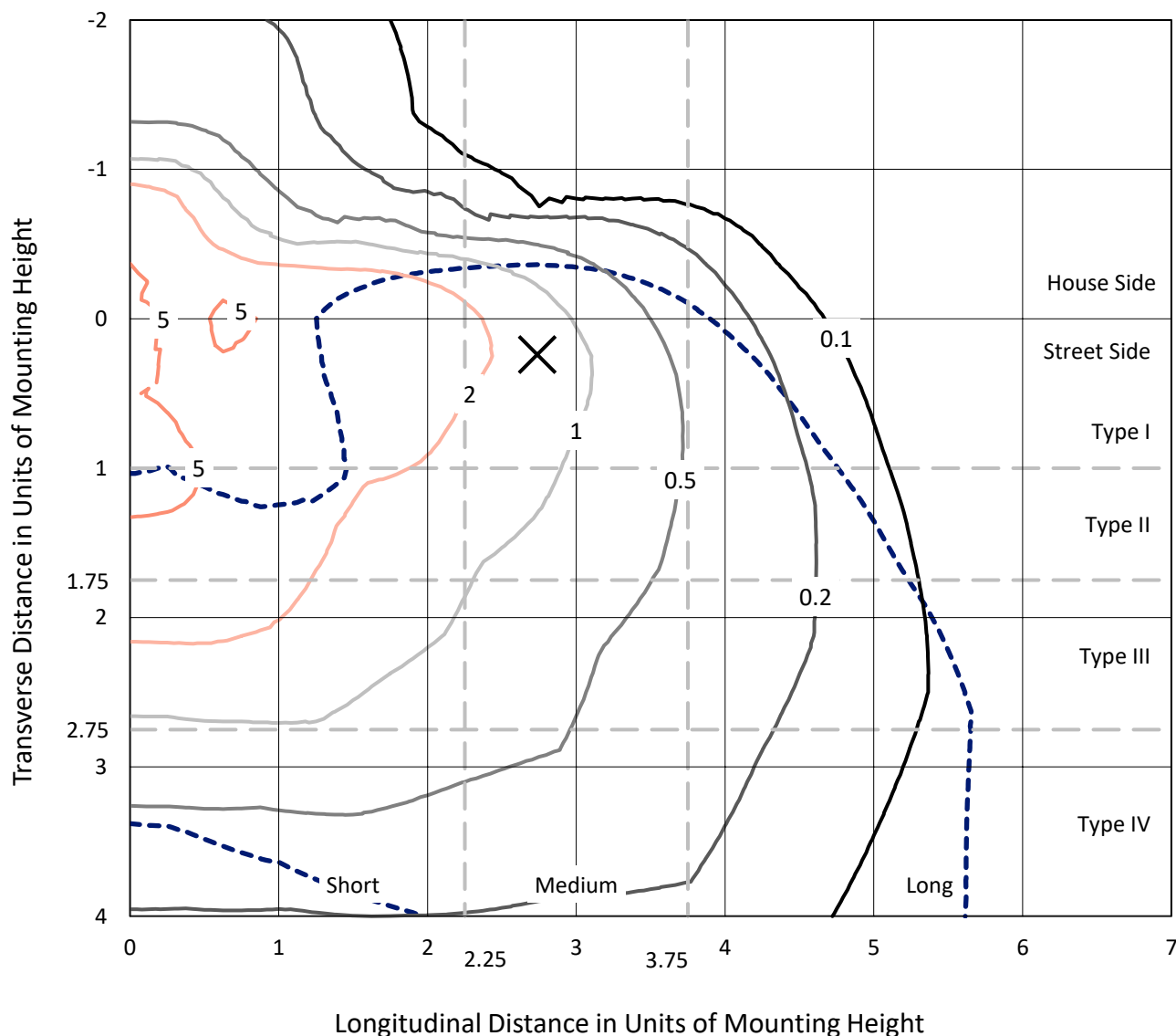
REPORT NUMBER: P560703

CATALOG NUMBER: SDL-PA1-60-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

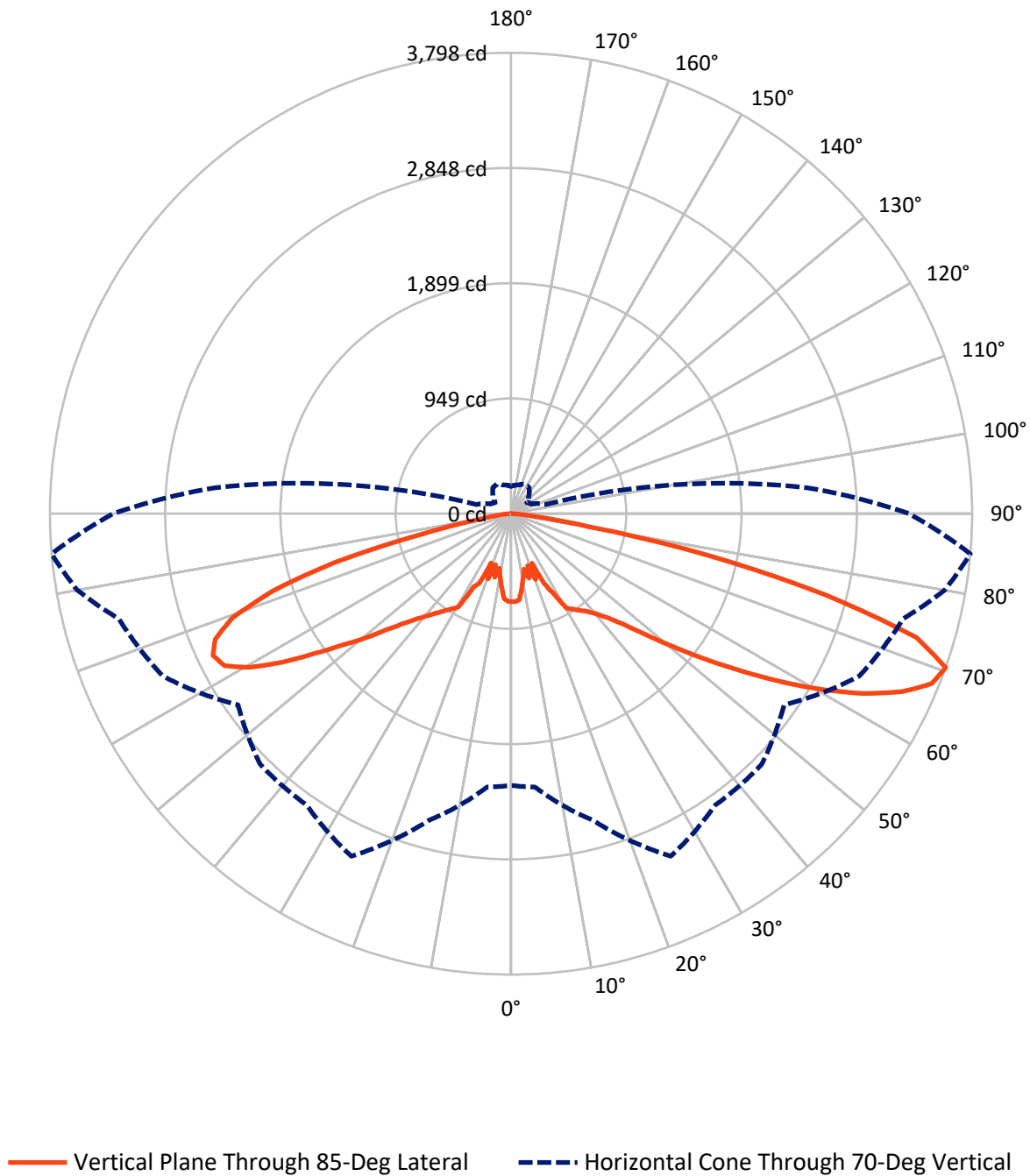


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560703

CATALOG NUMBER: SDL-PA1-60-727-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P560703

CATALOG NUMBER: SDL-PA1-60-727-U-T4W

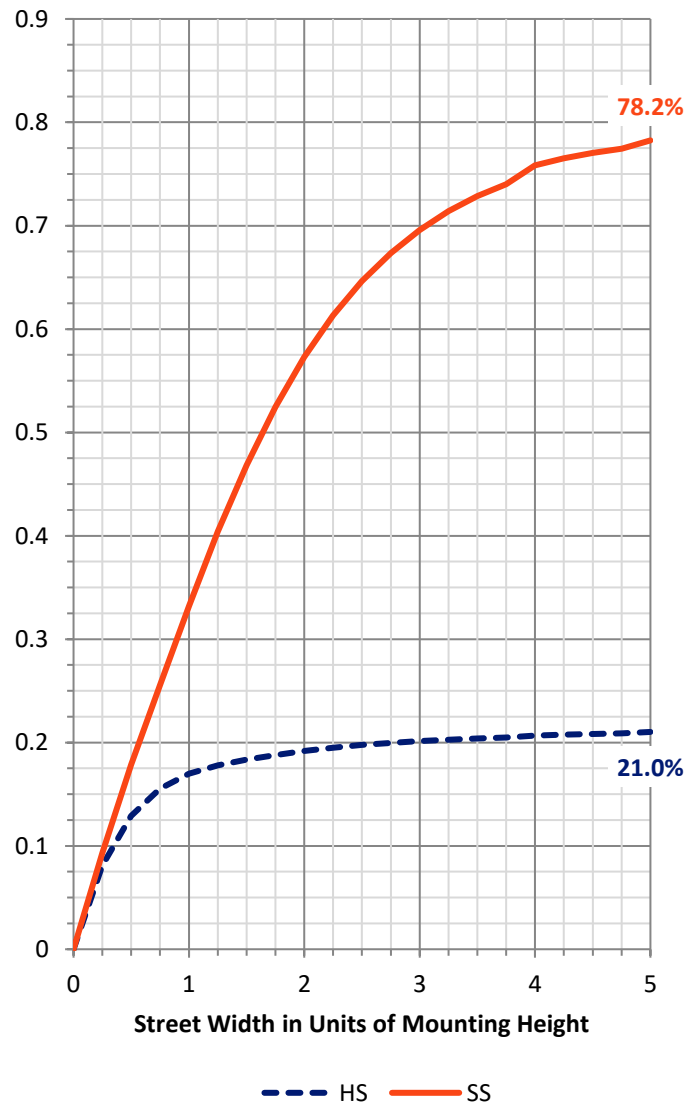
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1340.6	0.0	1340.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4894.6	0.0	4894.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	6235.3	0.0	6235.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.0
10°-20°	151.7	2.4
20°-30°	265.3	4.3
30°-40°	467.3	7.5
40°-50°	704.9	11.3
50°-60°	1121.3	18.0
60°-70°	1644.3	26.4
70°-80°	1541.8	24.7
80°-90°	278.4	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°	6235.3	100.0
0°-180°	6235.3	100.0

Coefficient of Utilization



REPORT NUMBER: P560703

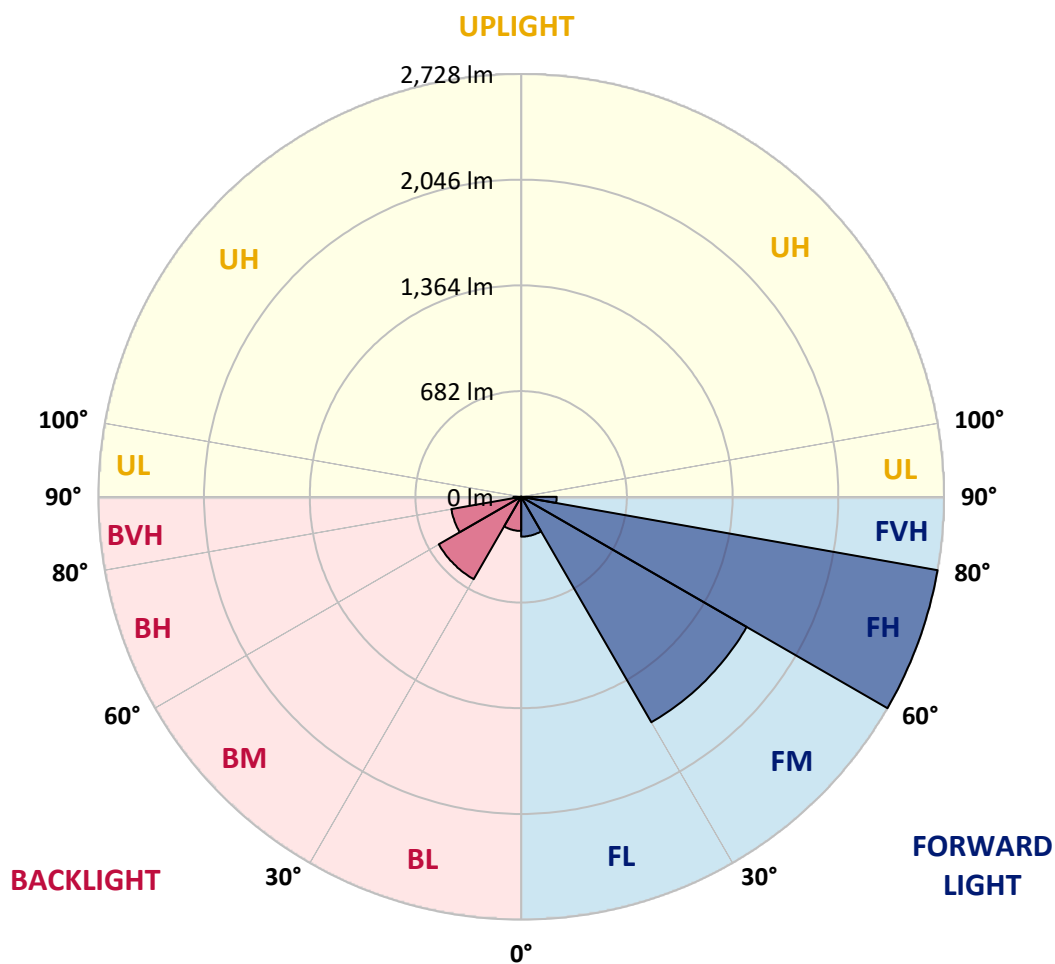
CATALOG NUMBER: SDL-PA1-60-727-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.1	4.1			
FM	(30°-60°)	1679.8	26.9			
FH	(60°-80°)	2728.5	43.8			G2/5000
FVH	(80°-90°)	229.2	3.7			G3/500
BL	(0°-30°)	220.1	3.5	B1/500		
BM	(30°-60°)	613.7	9.8	B1/1000		
BH	(60°-80°)	457.6	7.3	B1/500		G1/500
BVH	(80°-90°)	49.2	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Medium



REPORT NUMBER: P560703

CATALOG NUMBER: SDL-PA1-60-727-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1
2.5°	658.3	685.9	699.7	713.5	718.2	722.8	722.8	720.5	720.5	720.5	725.1
5°	669.8	667.5	667.5	667.5	665.2	662.9	660.6	656.0	653.7	649.1	646.8
7.5°	614.6	660.6	662.9	665.2	665.2	662.9	667.5	672.1	667.5	660.6	651.4
10°	729.7	727.4	722.8	718.2	711.2	704.3	651.4	596.2	600.8	605.4	561.6
12.5°	633.0	676.7	695.1	713.5	715.8	715.8	679.0	639.9	589.3	538.6	517.9
15°	773.4	768.8	759.6	750.4	688.2	623.8	586.9	550.1	550.1	550.1	488.0
17.5°	651.4	649.1	690.5	732.0	708.9	685.9	633.0	580.0	501.8	421.2	471.9
20°	798.7	798.7	787.2	775.7	669.8	561.6	568.5	573.1	575.4	575.4	552.4
22.5°	669.8	665.2	669.8	672.1	672.1	672.1	575.4	478.8	531.7	582.3	529.4
25°	798.7	801.0	798.7	796.4	699.7	600.8	616.9	633.0	559.3	483.4	534.0
27.5°	697.4	695.1	683.6	672.1	674.4	676.7	626.1	573.1	603.1	633.0	580.0
30°	854.0	856.3	849.4	840.1	743.5	646.8	642.2	635.3	614.6	593.9	612.3
32.5°	1031.2	1031.2	959.8	888.5	828.6	766.5	715.8	665.2	685.9	706.6	683.6
35°	1125.6	1121.0	1097.9	1072.6	962.1	849.4	780.3	708.9	715.8	720.5	720.5
37.5°	1293.6	1291.3	1259.1	1226.8	1077.2	925.3	835.5	743.5	757.3	768.8	752.7
40°	1503.1	1503.1	1477.7	1450.1	1259.1	1065.7	939.1	812.5	810.2	805.6	787.2
42.5°	1705.6	1712.5	1696.4	1680.3	1457.0	1233.7	1068.0	902.3	881.6	860.9	842.4
45°	1839.1	1848.3	1862.1	1875.9	1655.0	1434.0	1240.7	1045.0	1005.9	964.4	932.2
47.5°	1974.9	1961.1	1979.5	1997.9	1809.2	1620.4	1408.7	1196.9	1132.5	1068.0	1033.5
50°	2101.5	2096.9	2103.8	2110.7	1956.5	1802.3	1583.6	1364.9	1286.7	1206.1	1167.0
52.5°	2267.2	2251.1	2241.9	2232.7	2101.5	1970.3	1763.2	1553.7	1461.6	1367.2	1321.2
55°	2426.1	2419.2	2405.3	2389.2	2276.4	2163.7	1945.0	1726.3	1629.6	1533.0	1480.0
57.5°	2589.5	2584.9	2582.6	2580.3	2481.3	2382.3	2159.1	1933.5	1823.0	1710.2	1666.5
60°	2743.7	2746.0	2764.4	2780.5	2704.6	2628.6	2403.0	2177.5	2037.1	1894.4	1850.6
62.5°	2835.8	2842.7	2888.7	2932.4	2891.0	2849.6	2617.1	2382.3	2235.0	2085.4	2055.5
65°	2718.4	2752.9	2886.4	3019.9	3019.9	3019.9	2808.2	2594.1	2465.2	2336.3	2311.0
67.5°	2456.0	2490.5	2681.6	2870.3	2969.3	3068.3	2930.1	2792.0	2704.6	2614.8	2582.6
70°	2239.6	2260.3	2439.9	2617.1	2865.7	3114.3	3024.5	2932.4	2927.8	2920.9	2833.5
72.5°	2057.8	2103.8	2251.1	2396.1	2739.1	3082.1	3079.8	3077.5	3171.8	3266.2	3098.2
75°	1645.8	1641.2	1779.3	1917.4	2304.1	2688.5	2904.8	3118.9	3390.5	3659.8	3402.0
77.5°	734.3	784.9	916.1	1047.3	1394.9	1740.1	2156.8	2573.4	3171.8	3768.0	3505.6
80°	209.5	221.0	257.8	292.3	455.7	616.9	1054.2	1489.2	2241.9	2992.3	2815.1
82.5°	110.5	115.1	138.1	158.8	204.9	248.6	414.3	577.7	1224.5	1869.0	1707.9
85°	52.9	48.3	62.1	73.7	99.0	124.3	191.0	257.8	474.2	690.5	596.2
87.5°	11.5	11.5	13.8	13.8	20.7	27.6	41.4	55.2	52.9	48.3	57.5
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: P560703

CATALOG NUMBER: SDL-PA1-60-727-U-T4W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1
2.5°	727.4	729.7	732.0	729.7	727.4	725.1	725.1	722.8	722.8	720.5	715.8
5°	644.5	676.7	708.9	711.2	713.5	713.5	711.2	708.9	704.3	702.0	697.4
7.5°	642.2	630.7	619.2	621.5	623.8	626.1	626.1	619.2	616.9	598.5	580.0
10°	515.6	504.1	492.6	499.5	506.4	531.7	545.5	540.9	536.3	504.1	469.6
12.5°	497.2	492.6	488.0	453.4	418.9	448.8	469.6	467.3	460.4	430.4	400.5
15°	425.8	428.1	428.1	467.3	506.4	531.7	550.1	545.5	540.9	504.1	467.3
17.5°	520.2	494.9	467.3	460.4	453.4	465.0	448.8	423.5	439.6	435.0	430.4
20°	527.1	465.0	400.5	465.0	529.4	545.5	580.0	577.7	570.8	538.6	506.4
22.5°	476.5	513.3	547.8	513.3	478.8	455.7	444.2	439.6	437.3	446.5	453.4
25°	584.6	515.6	444.2	529.4	612.3	630.7	639.9	633.0	630.7	589.3	547.8
27.5°	524.8	561.6	598.5	626.1	653.7	676.7	745.8	679.0	676.7	637.6	596.2
30°	628.4	667.5	706.6	778.0	849.4	888.5	902.3	897.7	886.2	824.0	761.9
32.5°	660.6	738.9	814.8	847.0	877.0	918.4	939.1	936.8	925.3	851.7	775.7
35°	720.5	778.0	835.5	879.3	920.7	959.8	978.2	985.2	971.3	879.3	784.9
37.5°	736.6	810.2	883.9	929.9	975.9	1005.9	1022.0	1042.7	1026.6	916.1	803.3
40°	768.8	856.3	941.4	987.5	1031.2	1058.8	1086.4	1111.8	1091.0	957.5	821.7
42.5°	821.7	911.5	999.0	1051.9	1102.5	1141.7	1173.9	1208.4	1169.3	996.7	821.7
45°	900.0	982.9	1065.7	1137.1	1206.1	1254.5	1300.5	1348.8	1270.6	1047.3	821.7
47.5°	999.0	1079.5	1157.8	1270.6	1383.4	1427.1	1482.3	1528.4	1401.8	1111.8	821.7
50°	1125.6	1215.3	1305.1	1454.7	1602.0	1643.5	1712.5	1747.0	1576.7	1210.7	842.4
52.5°	1272.9	1371.9	1468.5	1643.5	1818.4	1887.4	1979.5	2002.5	1753.9	1309.7	863.2
55°	1427.1	1560.6	1691.8	1885.1	2076.2	2142.9	2274.1	2292.6	1981.8	1431.7	879.3
57.5°	1622.7	1779.3	1933.5	2122.2	2308.7	2403.0	2607.9	2614.8	2246.5	1581.3	913.8
60°	1806.9	2002.5	2195.9	2375.4	2555.0	2702.3	2939.4	2941.7	2495.1	1694.1	890.8
62.5°	2025.6	2258.0	2488.2	2642.4	2796.6	2978.5	3263.9	3222.5	2670.0	1707.9	745.8
65°	2283.4	2522.7	2762.1	2893.3	3022.2	3229.4	3537.8	3379.0	2718.4	1629.6	538.6
67.5°	2548.1	2771.3	2994.6	3098.2	3201.8	3464.2	3738.1	3397.4	2647.0	1512.3	375.2
70°	2746.0	2955.5	3164.9	3254.7	3344.5	3627.6	3797.9	3277.7	2446.8	1369.5	292.3
72.5°	2927.8	3125.8	3321.4	3367.5	3411.2	3556.2	3494.1	2888.7	2062.4	1153.2	241.7
75°	3144.2	3270.8	3395.1	3312.2	3229.4	3033.7	2681.6	2106.1	1510.0	858.6	207.2
77.5°	3243.2	3213.3	3181.0	2897.9	2614.8	2090.0	1666.5	1217.6	766.5	471.9	177.2
80°	2637.8	2518.1	2396.1	1922.0	1447.8	989.8	649.1	412.0	280.8	211.8	142.7
82.5°	1544.5	1266.0	987.5	725.1	462.7	324.5	211.8	168.0	131.2	124.3	115.1
85°	499.5	441.9	384.4	303.8	223.3	138.1	80.6	73.7	69.1	76.0	80.6
87.5°	66.8	66.8	64.4	48.3	29.9	16.1	9.2	6.9	6.9	9.2	9.2
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: P560703

CATALOG NUMBER: SDL-PA1-60-727-U-T4W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1
2.5°	715.8	713.5	711.2	708.9	706.6	702.0	683.6	665.2	658.3	649.1	642.2
5°	674.4	651.4	635.3	619.2	612.3	603.1	605.4	607.7	610.0	610.0	610.0
7.5°	584.6	589.3	591.6	591.6	598.5	603.1	607.7	610.0	600.8	591.6	580.0
10°	465.0	458.1	467.3	474.2	485.7	494.9	524.8	554.7	582.3	610.0	621.5
12.5°	423.5	446.5	428.1	409.7	446.5	481.1	522.5	563.9	589.3	612.3	591.6
15°	430.4	391.3	395.9	398.2	444.2	488.0	462.7	437.3	508.7	577.7	598.5
17.5°	423.5	416.6	441.9	465.0	421.2	377.5	439.6	499.5	531.7	563.9	554.7
20°	458.1	407.4	407.4	407.4	446.5	485.7	455.7	425.8	460.4	494.9	552.4
22.5°	474.2	492.6	455.7	416.6	441.9	467.3	467.3	465.0	504.1	540.9	531.7
25°	478.8	409.7	441.9	471.9	455.7	437.3	458.1	476.5	488.0	499.5	550.1
27.5°	547.8	499.5	462.7	423.5	453.4	483.4	476.5	469.6	478.8	488.0	499.5
30°	649.1	536.3	494.9	451.1	435.0	416.6	437.3	455.7	490.3	524.8	570.8
32.5°	679.0	580.0	513.3	444.2	441.9	437.3	444.2	448.8	488.0	524.8	589.3
35°	674.4	561.6	497.2	430.4	416.6	402.8	414.3	423.5	481.1	538.6	600.8
37.5°	669.8	534.0	467.3	400.5	391.3	379.8	391.3	402.8	446.5	490.3	547.8
40°	662.9	501.8	437.3	370.6	359.1	347.6	359.1	368.3	402.8	437.3	483.4
42.5°	646.8	469.6	405.1	338.4	329.2	317.6	326.9	336.1	366.0	395.9	423.5
45°	628.4	432.7	370.6	308.4	299.2	290.0	296.9	301.5	329.2	354.5	368.3
47.5°	607.7	393.6	336.1	278.5	269.3	260.1	267.0	271.6	292.3	313.0	317.6
50°	603.1	361.4	308.4	253.2	246.3	237.1	241.7	246.3	262.4	276.2	276.2
52.5°	593.9	322.2	278.5	232.5	227.9	221.0	223.3	225.6	237.1	248.6	246.3
55°	586.9	294.6	255.5	216.4	211.8	204.9	207.2	209.5	221.0	230.2	227.9
57.5°	593.9	271.6	237.1	200.3	195.6	191.0	195.6	200.3	211.8	223.3	223.3
60°	570.8	248.6	216.4	184.1	181.8	177.2	188.7	198.0	216.4	232.5	237.1
62.5°	488.0	227.9	200.3	172.6	174.9	174.9	195.6	214.1	239.4	262.4	267.0
65°	375.2	211.8	188.7	163.4	174.9	186.4	214.1	241.7	264.7	287.7	280.8
67.5°	287.7	200.3	181.8	161.1	186.4	209.5	234.8	260.1	271.6	280.8	269.3
70°	241.7	188.7	174.9	158.8	184.1	209.5	234.8	260.1	264.7	269.3	257.8
72.5°	211.8	179.5	165.7	151.9	172.6	193.3	223.3	250.9	255.5	257.8	246.3
75°	188.7	168.0	151.9	135.8	156.5	174.9	204.9	234.8	239.4	241.7	232.5
77.5°	165.7	154.2	135.8	117.4	138.1	158.8	186.4	214.1	221.0	227.9	216.4
80°	138.1	131.2	117.4	103.6	126.6	147.3	172.6	198.0	204.9	211.8	200.3
82.5°	110.5	105.9	96.7	87.5	110.5	133.5	158.8	181.8	188.7	193.3	179.5
85°	80.6	80.6	76.0	71.4	94.4	115.1	131.2	147.3	145.0	142.7	133.5
87.5°	11.5	11.5	16.1	20.7	27.6	32.2	41.4	48.3	50.6	50.6	39.1
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: P560703

CATALOG NUMBER: SDL-PA1-60-727-U-T4W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	725.1	725.1	725.1	725.1
2.5°	635.3	635.3	633.0	637.6
5°	610.0	612.3	612.3	614.6
7.5°	568.5	557.0	543.2	545.5
10°	633.0	635.3	637.6	637.6
12.5°	568.5	559.3	547.8	550.1
15°	616.9	623.8	630.7	633.0
17.5°	543.2	540.9	538.6	536.3
20°	607.7	619.2	630.7	630.7
22.5°	522.5	522.5	522.5	524.8
25°	600.8	614.6	626.1	626.1
27.5°	508.7	540.9	573.1	598.5
30°	614.6	621.5	628.4	630.7
32.5°	651.4	685.9	718.2	725.1
35°	660.6	676.7	690.5	697.4
37.5°	605.4	619.2	633.0	642.2
40°	527.1	538.6	550.1	557.0
42.5°	448.8	451.1	453.4	465.0
45°	382.1	370.6	359.1	356.8
47.5°	319.9	303.8	287.7	285.4
50°	273.9	260.1	246.3	246.3
52.5°	241.7	232.5	223.3	223.3
55°	225.6	221.0	214.1	214.1
57.5°	223.3	221.0	218.7	218.7
60°	239.4	241.7	241.7	241.7
62.5°	269.3	271.6	271.6	271.6
65°	271.6	267.0	262.4	262.4
67.5°	257.8	250.9	244.0	239.4
70°	244.0	239.4	232.5	225.6
72.5°	232.5	227.9	221.0	214.1
75°	221.0	214.1	204.9	200.3
77.5°	204.9	200.3	193.3	188.7
80°	186.4	181.8	174.9	165.7
82.5°	165.7	168.0	168.0	145.0
85°	122.0	115.1	105.9	87.5
87.5°	25.3	23.0	18.4	16.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)