Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560871

Luminaire Tested: **SDL-PA1-70-727-U-T2U**

Issue Date: 7/26/2021

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P560871
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-70-727-U-T2U
Description:	Springdale
	(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7191.4 lumens
Efficiency:	N/A
Efficacy:	99.6 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

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

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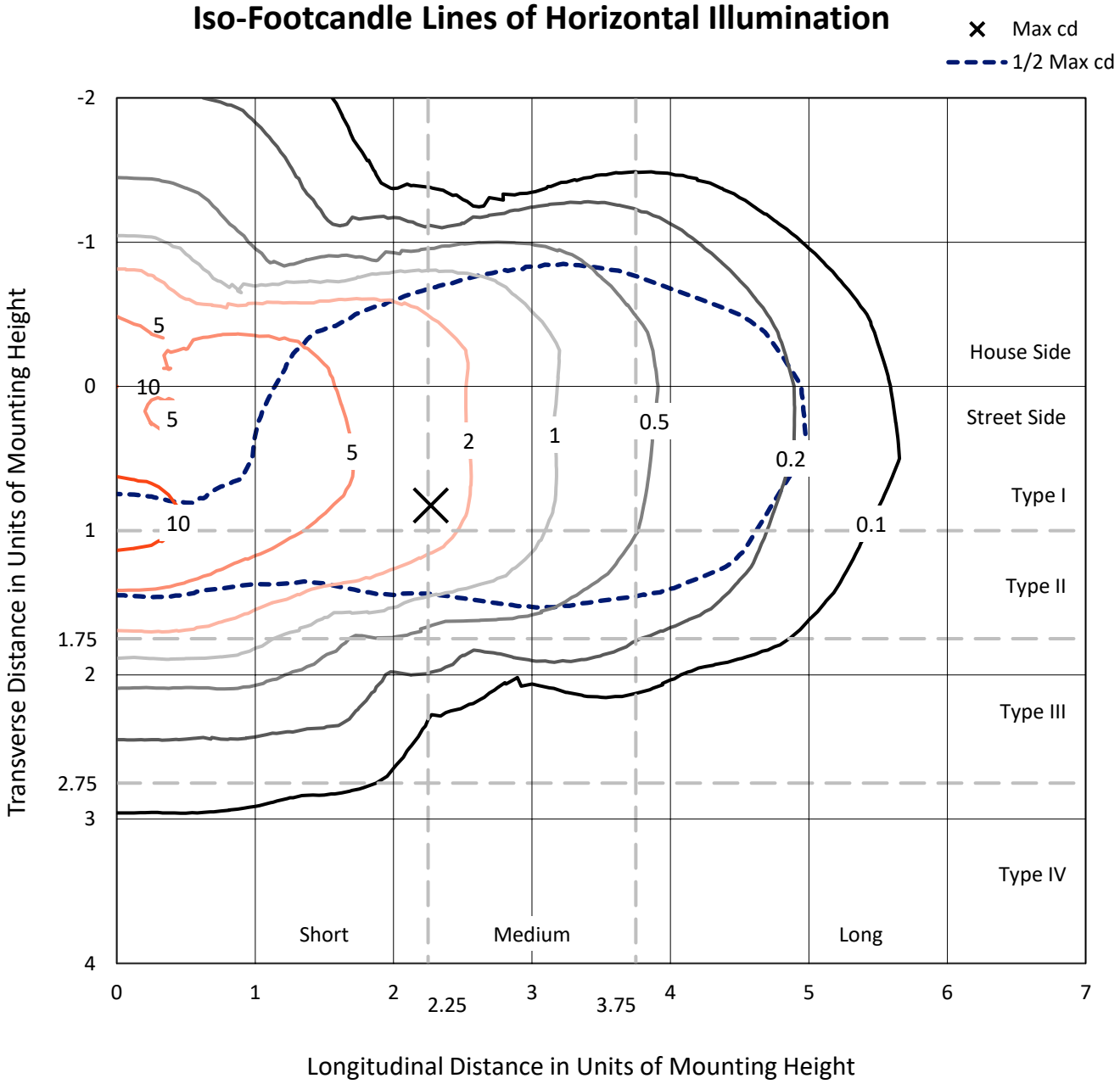
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 13 fc
Type II - Medium - N/A

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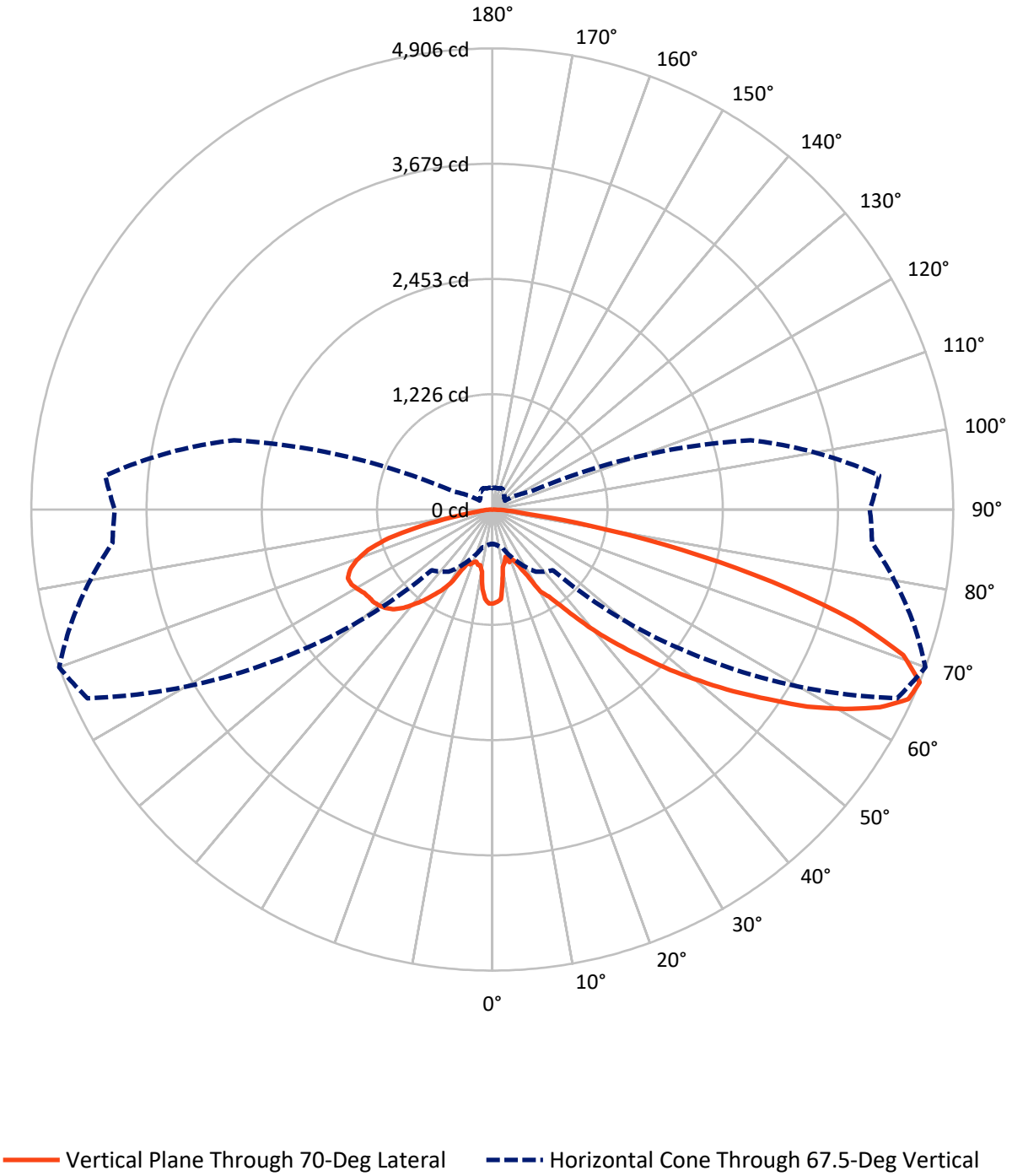
Luminous Intensity Polar Plot



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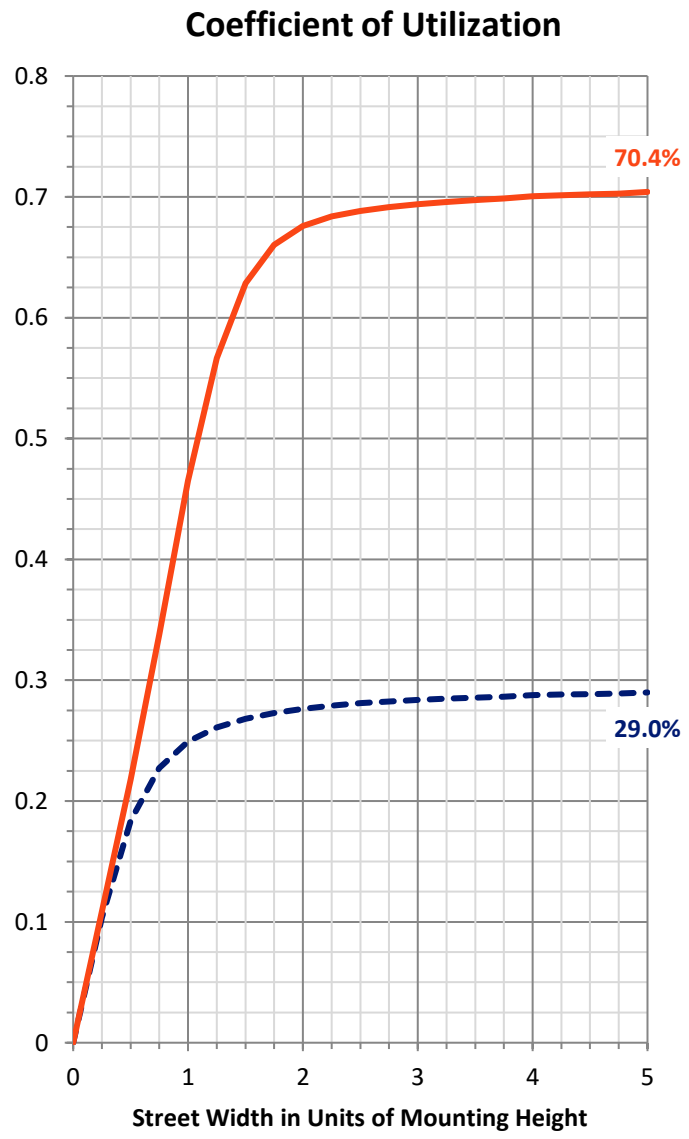
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2108.9	0.0	2108.9
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	5082.5	0.0	5082.5
	% Fixture	70.7	0.0	70.7
Total	Lumens	7191.4	0.0	7191.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.1
10°-20°	188.3	2.6
20°-30°	334.5	4.7
30°-40°	707.2	9.8
40°-50°	1294.6	18.0
50°-60°	1766.1	24.6
60°-70°	1664.9	23.2
70°-80°	1007.6	14.0
80°-90°	148.0	2.1
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°	7191.4	100.0
0°-180°	7191.4	100.0



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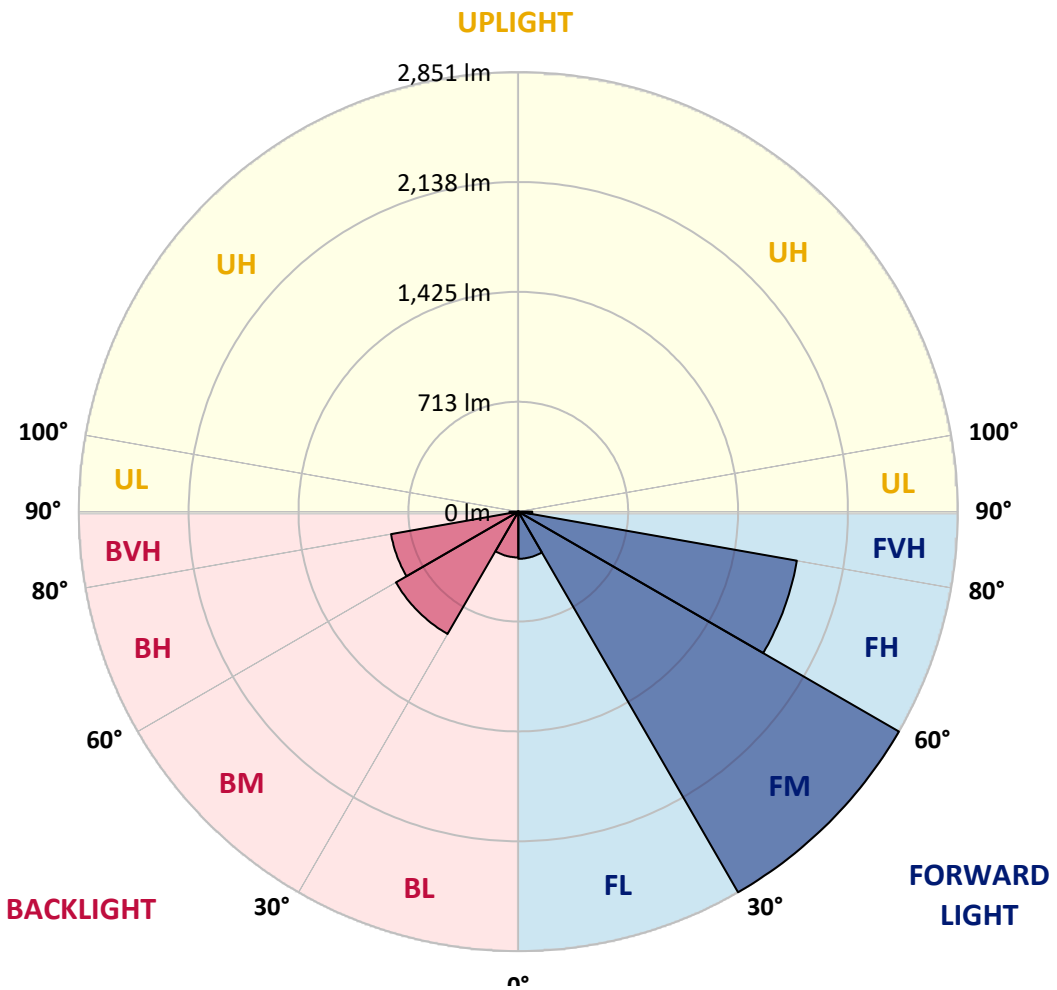
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	306.0	4.3			
FM	(30°-60°)	2851.0	39.6			
FH	(60°-80°)	1834.7	25.5			G2/5000
FVH	(80°-90°)	90.8	1.3			G1/100
BL	(0°-30°)	297.0	4.1	B1/500		
BM	(30°-60°)	916.8	12.7	B1/1000		
BH	(60°-80°)	837.8	11.7	B2/1000		G2/1000
BVH	(80°-90°)	57.3	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-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3
2.5°	840.9	848.7	900.4	952.2	954.7	954.7	957.3	959.9	967.7	972.9	978.0
5°	784.0	789.2	789.2	789.2	791.7	794.3	796.9	796.9	802.1	804.7	809.9
7.5°	657.2	708.9	727.1	742.6	752.9	760.7	765.9	771.0	776.2	781.4	786.6
10°	747.8	747.8	750.3	750.3	750.3	747.8	696.0	641.7	667.5	693.4	654.6
12.5°	615.8	626.1	672.7	716.7	729.6	740.0	714.1	685.7	639.1	592.5	587.3
15°	732.2	732.2	732.2	729.6	683.1	633.9	584.7	533.0	564.1	595.1	548.5
17.5°	633.9	633.9	672.7	708.9	706.4	701.2	657.2	610.6	538.2	463.1	522.7
20°	799.5	796.9	784.0	768.5	672.7	577.0	597.7	618.4	623.6	626.1	608.0
22.5°	714.1	716.7	732.2	747.8	750.3	752.9	641.7	527.8	592.5	657.2	595.1
25°	993.6	988.4	965.1	939.2	833.1	724.5	745.2	765.9	659.8	551.1	618.4
27.5°	944.4	928.9	918.5	908.2	926.3	944.4	846.1	745.2	768.5	791.7	706.4
30°	1350.6	1350.6	1324.7	1296.3	1135.9	972.9	947.0	921.1	859.0	794.3	809.9
32.5°	1710.3	1710.3	1614.5	1516.2	1420.5	1324.7	1198.0	1071.2	1045.3	1016.8	991.0
35°	2152.7	2139.8	2085.4	2028.5	1821.5	1614.5	1451.5	1288.5	1236.8	1185.0	1159.1
37.5°	2566.7	2538.2	2463.2	2385.6	2168.2	1948.3	1733.5	1518.8	1461.9	1405.0	1348.0
40°	2908.2	2892.7	2840.9	2786.6	2540.8	2295.0	2051.8	1806.0	1731.0	1655.9	1573.1
42.5°	3221.3	3208.4	3161.8	3112.6	2869.4	2623.6	2393.3	2160.5	2049.2	1938.0	1839.6
45°	3451.6	3430.9	3399.8	3366.2	3172.1	2975.5	2742.6	2507.2	2463.2	2419.2	2227.7
47.5°	3524.0	3487.8	3482.6	3477.4	3322.2	3167.0	2980.7	2794.4	2802.1	2809.9	2587.4
50°	3417.9	3363.6	3386.9	3410.2	3348.1	3283.4	3138.5	2993.6	3058.3	3120.4	2944.4
52.5°	3032.4	3019.5	3079.0	3135.9	3151.4	3167.0	3135.9	3102.3	3221.3	3340.3	3275.6
55°	2502.0	2558.9	2641.7	2724.5	2789.2	2851.3	2941.9	3032.4	3236.8	3441.2	3487.8
57.5°	1971.6	2031.1	2126.8	2222.6	2297.6	2372.6	2558.9	2745.2	3053.1	3361.0	3570.6
60°	1327.3	1389.4	1547.3	1702.5	1808.6	1914.7	2082.8	2251.0	2639.1	3027.2	3451.6
62.5°	884.9	864.2	996.1	1125.5	1296.3	1467.0	1542.1	1614.5	2020.7	2424.4	3110.0
65°	543.4	545.9	597.7	646.8	835.7	1022.0	1081.5	1138.4	1368.7	1599.0	2533.1
67.5°	*364.8*	*372.6*	*395.9*	*419.2*	*509.7*	*600.3*	*703.8*	*807.3*	*861.6*	*913.3*	*1847.4*
70°	323.4	326.0	336.4	346.7	372.6	398.5	494.2	589.9	558.9	525.2	1047.9
72.5°	284.6	287.2	305.3	320.8	333.8	346.7	403.6	460.6	424.3	388.1	522.7
75°	232.9	240.6	258.7	274.3	300.1	323.4	336.4	349.3	331.2	310.5	336.4
77.5°	191.5	196.6	209.6	222.5	248.4	271.7	284.6	297.5	269.1	240.6	256.2
80°	150.1	152.7	163.0	173.4	194.1	212.2	227.7	240.6	214.8	186.3	194.1
82.5°	90.6	93.1	108.7	121.6	139.7	155.2	165.6	173.4	181.1	186.3	163.0
85°	49.2	49.2	59.5	69.9	72.4	75.0	85.4	93.1	116.4	137.1	119.0
87.5°	7.8	7.8	10.3	10.3	15.5	18.1	20.7	20.7	23.3	23.3	25.9
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: P560871
CATALOG NUMBER: SDL-PA1-70-727-U-T2U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1001.3	1001.3	1001.3	*1001.3*	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3
2.5°	980.6	983.2	983.2	*983.2*	985.8	988.4	991.0	991.0	993.6	996.1	998.7
5°	815.0	882.3	947.0	*957.3*	965.1	970.3	975.4	978.0	983.2	988.4	991.0
7.5°	791.7	791.7	791.7	*773.6*	840.9	848.7	856.4	861.6	866.8	861.6	853.8
10°	613.2	613.2	610.6	*615.8*	644.3	693.4	740.0	745.2	750.3	708.9	665.0
12.5°	579.6	587.3	595.1	*582.2*	530.4	574.4	618.4	626.1	628.7	592.5	553.7
15°	499.4	502.0	504.5	*522.7*	628.7	672.7	716.7	724.5	732.2	693.4	652.0
17.5°	579.6	561.5	540.8	*589.9*	548.5	577.0	602.9	540.8	597.7	587.3	577.0
20°	589.9	527.8	463.1	*551.1*	644.3	688.2	729.6	734.8	737.4	706.4	672.7
22.5°	533.0	592.5	652.0	*592.5*	556.3	551.1	545.9	543.4	545.9	564.1	579.6
25°	685.7	610.6	535.6	*672.7*	758.1	778.8	799.5	789.2	784.0	745.2	706.4
27.5°	621.0	680.5	737.4	*794.3*	820.2	848.7	874.5	882.3	840.9	799.5	758.1
30°	822.8	859.0	892.6	*1009.1*	1094.5	1120.3	1146.2	1120.3	1104.8	1053.1	998.7
32.5°	962.5	1035.0	1107.4	*1104.8*	1185.0	1205.7	1223.8	1190.2	1161.7	1104.8	1045.3
35°	1133.3	1179.8	1226.4	*1252.3*	1332.5	1340.3	1348.0	1304.0	1262.6	1195.4	1128.1
37.5°	1291.1	1350.6	1407.5	*1472.2*	1542.1	1526.6	1508.4	1454.1	1386.8	1335.1	1283.3
40°	1487.7	1560.2	1632.6	*1715.4*	1756.8	1733.5	1707.7	1624.9	1560.2	1505.9	1451.5
42.5°	1738.7	1816.3	1891.4	*1963.8*	1979.4	1953.5	1925.0	1834.5	1736.1	1681.8	1624.9
45°	2033.7	2095.8	2157.9	*2232.9*	2264.0	2217.4	2168.2	2054.4	1938.0	1860.3	1782.7
47.5°	2362.3	2390.7	2419.2	*2548.6*	2590.0	2512.4	2432.1	2307.9	2144.9	2044.0	1940.5
50°	2768.5	2760.7	2750.4	*2864.2*	2960.0	2830.6	2698.6	2553.7	2393.3	2251.0	2106.1
52.5°	3210.9	3135.9	3058.3	*3210.9*	3257.5	3102.3	2947.0	2791.8	2631.4	2447.7	2261.4
55°	3534.4	3493.0	3451.6	*3560.2*	3555.1	3374.0	3190.2	3006.5	2874.6	2628.8	2383.0
57.5°	3777.6	3813.8	3847.4	*3956.1*	3831.9	3624.9	3417.9	3234.2	3120.4	2812.5	2504.6
60°	3873.3	4059.6	4243.3	*4308.0*	4119.1	3886.3	3650.8	3469.7	3374.0	3001.4	2628.8
62.5°	3795.7	4207.1	4618.5	*4631.4*	4383.0	4121.7	3860.4	3712.9	3663.7	3205.8	2745.2
65°	3467.1	4145.0	4820.3	*4866.9*	4587.4	4313.2	4036.3	3927.7	3958.7	3397.2	2833.2
67.5°	*2778.9*	*3767.2*	*4753.0*	*4905.7*	*4636.6*	*4346.8*	*4057.0*	*4018.2*	*4134.6*	*3490.4*	*2846.1*
70°	1570.5	2895.3	4217.4	*4641.8*	4499.5	4212.3	3922.5	3940.6	4113.9	3438.6	2763.3
72.5°	654.6	2002.6	3350.7	*4015.6*	4139.8	3896.6	3650.8	3718.1	3837.1	3195.4	2551.2
75°	362.2	1278.2	2194.1	*3079.0*	3461.9	3397.2	3330.0	3405.0	3348.1	2727.1	2106.1
77.5°	269.1	690.8	1112.6	*2062.1*	2605.5	2753.0	2897.9	2934.1	2615.8	1992.3	1368.7
80°	201.8	328.6	452.8	*1053.1*	1397.2	1661.1	1925.0	1762.0	1539.5	1076.4	613.2
82.5°	139.7	188.9	238.0	*338.9*	543.4	626.1	706.4	672.7	504.5	354.5	201.8
85°	98.3	124.2	150.1	*186.3*	232.9	186.3	139.7	113.8	132.0	121.6	111.3
87.5°	25.9	25.9	23.3	*25.9*	18.1	15.5	12.9	10.3	10.3	10.3	10.3
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: P560871
CATALOG NUMBER: SDL-PA1-70-727-U-T2U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3
2.5°	1001.3	1003.9	1003.9	1003.9	1003.9	1001.3	988.4	975.4	944.4	913.3	903.0
5°	957.3	923.7	897.8	871.9	871.9	871.9	877.1	882.3	884.9	887.5	890.1
7.5°	853.8	851.2	861.6	871.9	879.7	887.5	892.6	897.8	887.5	877.1	853.8
10°	667.5	667.5	680.5	690.8	708.9	727.1	778.8	830.6	874.5	918.5	926.3
12.5°	605.4	654.6	626.1	595.1	659.8	724.5	781.4	835.7	879.7	921.1	887.5
15°	608.0	561.5	571.8	582.2	652.0	721.9	670.1	615.8	719.3	820.2	843.5
17.5°	579.6	582.2	628.7	675.3	605.4	533.0	623.6	714.1	752.9	789.2	755.5
20°	595.1	514.9	569.2	623.6	672.7	719.3	672.7	623.6	636.5	649.4	737.4
22.5°	628.7	677.9	631.3	584.7	641.7	696.0	672.7	649.4	690.8	729.6	693.4
25°	626.1	543.4	621.0	698.6	646.8	592.5	621.0	649.4	628.7	605.4	672.7
27.5°	721.9	685.7	665.0	641.7	670.1	698.6	639.1	579.6	579.6	579.6	571.8
30°	903.0	807.3	765.9	721.9	652.0	582.2	561.5	540.8	543.4	545.9	584.7
32.5°	1009.1	972.9	848.7	724.5	659.8	595.1	540.8	486.4	491.6	496.8	545.9
35°	1102.2	1073.8	908.2	740.0	633.9	525.2	478.7	429.5	452.8	473.5	514.9
37.5°	1208.3	1130.7	905.6	677.9	564.1	450.2	421.7	393.3	408.8	421.7	447.6
40°	1304.0	1154.0	882.3	608.0	494.2	377.8	364.8	349.3	362.2	375.2	390.7
42.5°	1407.5	1187.6	848.7	507.1	416.6	326.0	320.8	315.7	328.6	341.5	351.9
45°	1487.7	1192.8	804.7	414.0	354.5	295.0	295.0	292.4	305.3	315.7	320.8
47.5°	1539.5	1135.9	734.8	331.2	305.3	279.4	282.0	282.0	292.4	300.1	302.7
50°	1575.7	1042.7	667.5	292.4	279.4	266.5	266.5	266.5	276.9	284.6	289.8
52.5°	1601.6	939.2	605.4	269.1	263.9	256.2	256.2	253.6	266.5	279.4	282.0
55°	1609.4	833.1	543.4	251.0	245.8	240.6	245.8	248.4	263.9	276.9	279.4
57.5°	1627.5	750.3	491.6	232.9	230.3	227.7	235.5	243.2	258.7	274.3	274.3
60°	1663.7	696.0	455.4	214.8	214.8	214.8	227.7	238.0	253.6	269.1	266.5
62.5°	1697.3	646.8	421.7	196.6	199.2	201.8	217.3	232.9	248.4	263.9	261.3
65°	1702.5	569.2	375.2	181.1	186.3	188.9	207.0	225.1	240.6	256.2	251.0
67.5°	*1645.6*	*445.0*	*305.3*	*165.6*	*173.4*	*178.5*	*199.2*	*217.3*	*232.9*	*245.8*	*240.6*
70°	1542.1	318.2	235.5	152.7	160.4	165.6	186.3	204.4	217.3	230.3	225.1
72.5°	1389.4	227.7	183.7	139.7	144.9	150.1	168.2	186.3	201.8	214.8	209.6
75°	1146.2	183.7	155.2	126.8	132.0	134.5	152.7	168.2	183.7	196.6	188.9
77.5°	760.7	150.1	132.0	113.8	116.4	119.0	134.5	147.5	160.4	170.8	165.6
80°	367.4	121.6	111.3	98.3	100.9	100.9	113.8	126.8	137.1	144.9	142.3
82.5°	150.1	95.7	88.0	80.2	80.2	80.2	93.1	103.5	113.8	121.6	116.4
85°	93.1	75.0	69.9	62.1	59.5	56.9	62.1	67.3	72.4	75.0	72.4
87.5°	12.9	12.9	15.5	18.1	15.5	10.3	15.5	20.7	20.7	18.1	15.5
90°	0.0	0.0	7.8	7.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560871
CATALOG NUMBER: SDL-PA1-70-727-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1001.3	1001.3	1001.3	1001.3
2.5°	892.6	892.6	892.6	897.8
5°	890.1	890.1	890.1	895.2
7.5°	830.6	804.7	778.8	781.4
10°	931.5	934.0	934.0	936.6
12.5°	851.2	809.9	768.5	773.6
15°	866.8	866.8	864.2	866.8
17.5°	721.9	708.9	696.0	696.0
20°	825.4	825.4	825.4	825.4
22.5°	657.2	654.6	652.0	654.6
25°	740.0	742.6	742.6	740.0
27.5°	564.1	597.7	628.7	631.3
30°	621.0	621.0	621.0	621.0
32.5°	595.1	621.0	646.8	649.4
35°	553.7	551.1	548.5	556.3
37.5°	470.9	465.7	460.6	460.6
40°	406.2	395.9	385.5	385.5
42.5°	359.6	351.9	341.5	338.9
45°	326.0	318.2	307.9	307.9
47.5°	302.7	297.5	292.4	289.8
50°	292.4	287.2	282.0	282.0
52.5°	284.6	282.0	276.9	276.9
55°	279.4	276.9	271.7	271.7
57.5°	274.3	271.7	266.5	266.5
60°	263.9	261.3	258.7	258.7
62.5°	256.2	253.6	251.0	251.0
65°	245.8	245.8	243.2	240.6
67.5°	*232.9*	*232.9*	*232.9*	*227.7*
70°	217.3	217.3	217.3	212.2
72.5°	201.8	201.8	199.2	191.5
75°	181.1	178.5	175.9	170.8
77.5°	160.4	155.2	150.1	147.5
80°	137.1	132.0	126.8	121.6
82.5°	108.7	106.1	100.9	88.0
85°	67.3	59.5	49.2	44.0
87.5°	12.9	10.3	7.8	2.6
90°	0.0	0.0	0.0	0.0

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