

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: P559948

Luminaire Tested: **SDL-PA1-100-830-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-830-U-T3-A
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7677.2 lumens
Efficiency: N/A
Efficacy: 81.8 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): 93.8
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

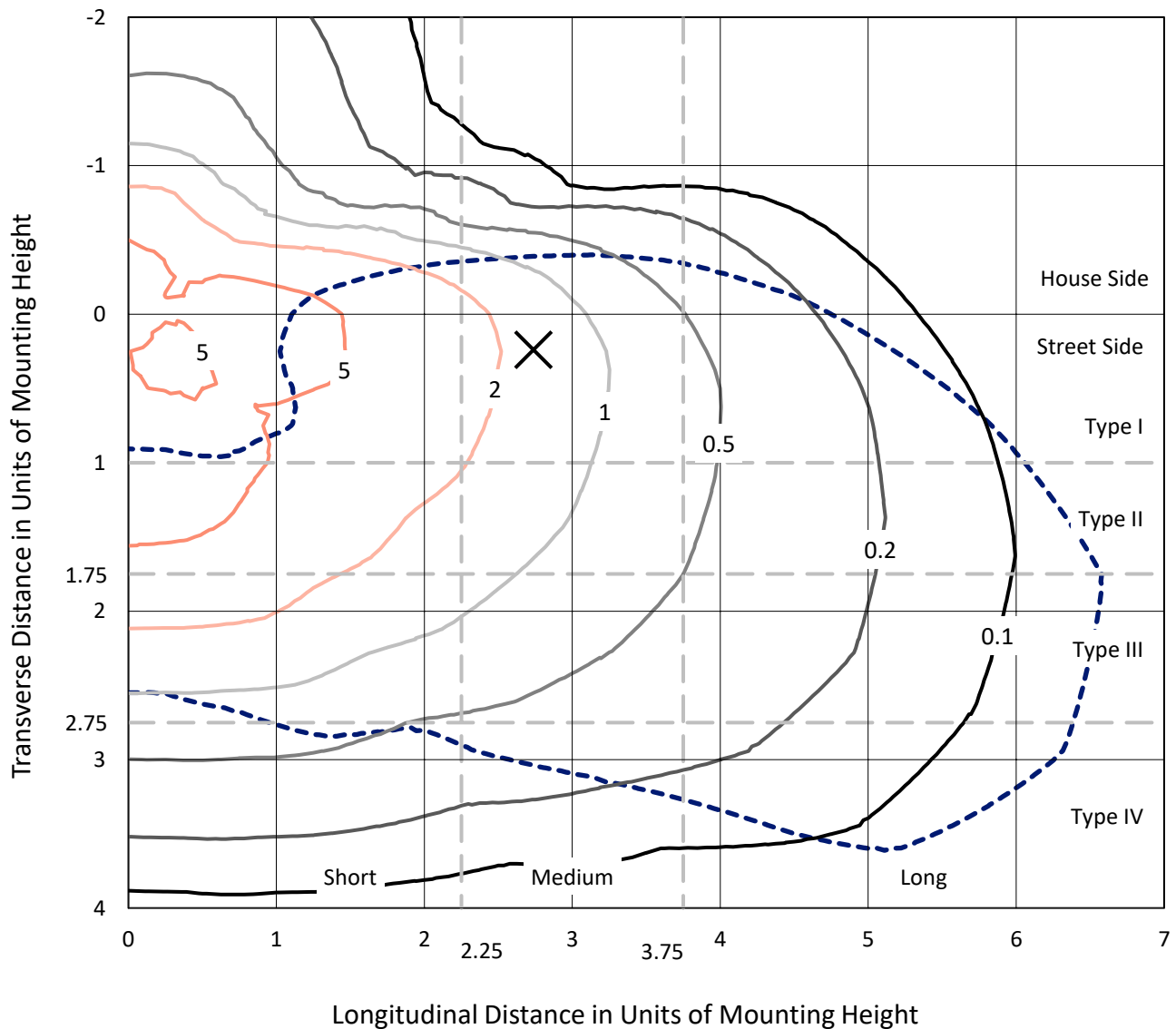


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

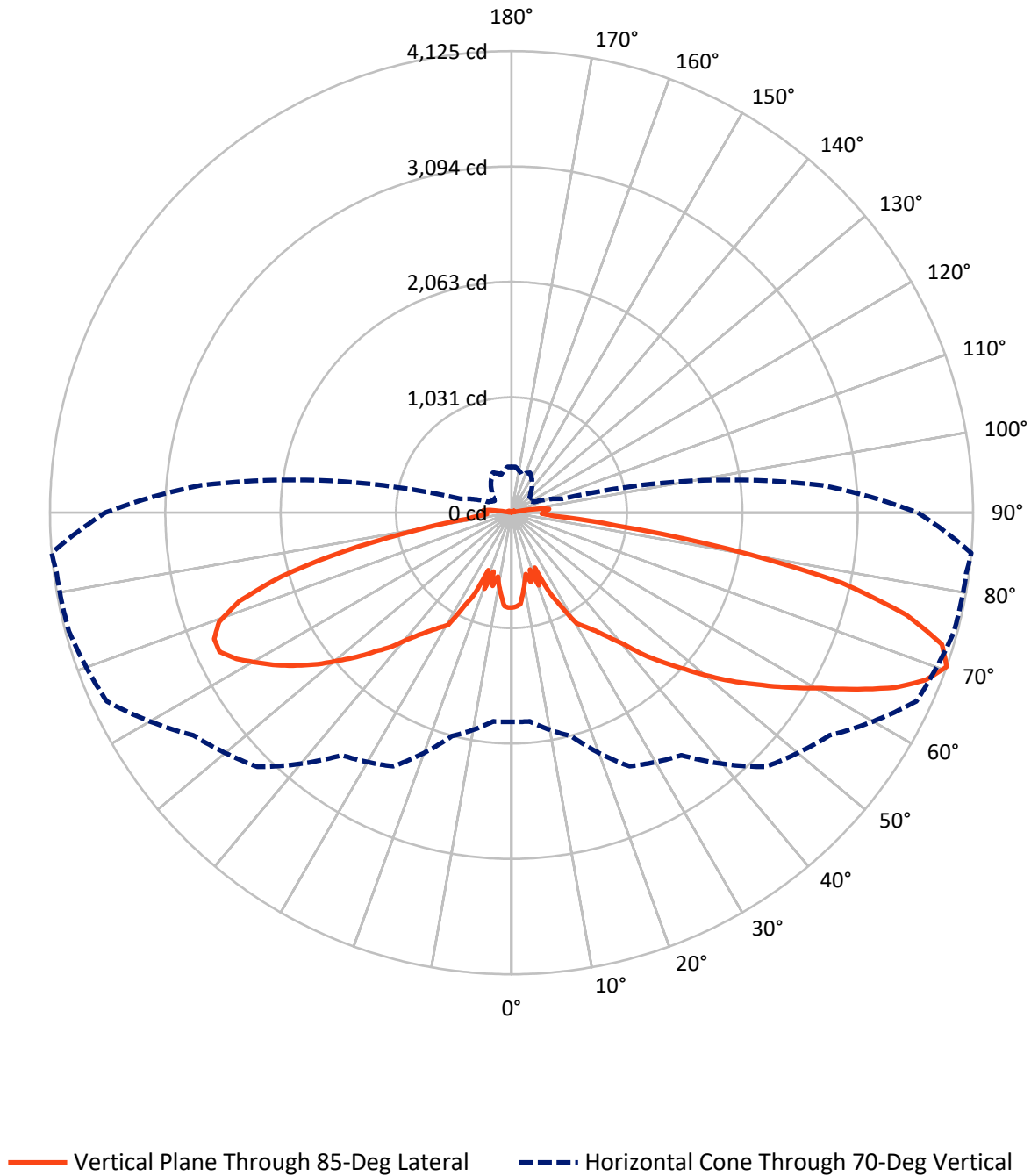


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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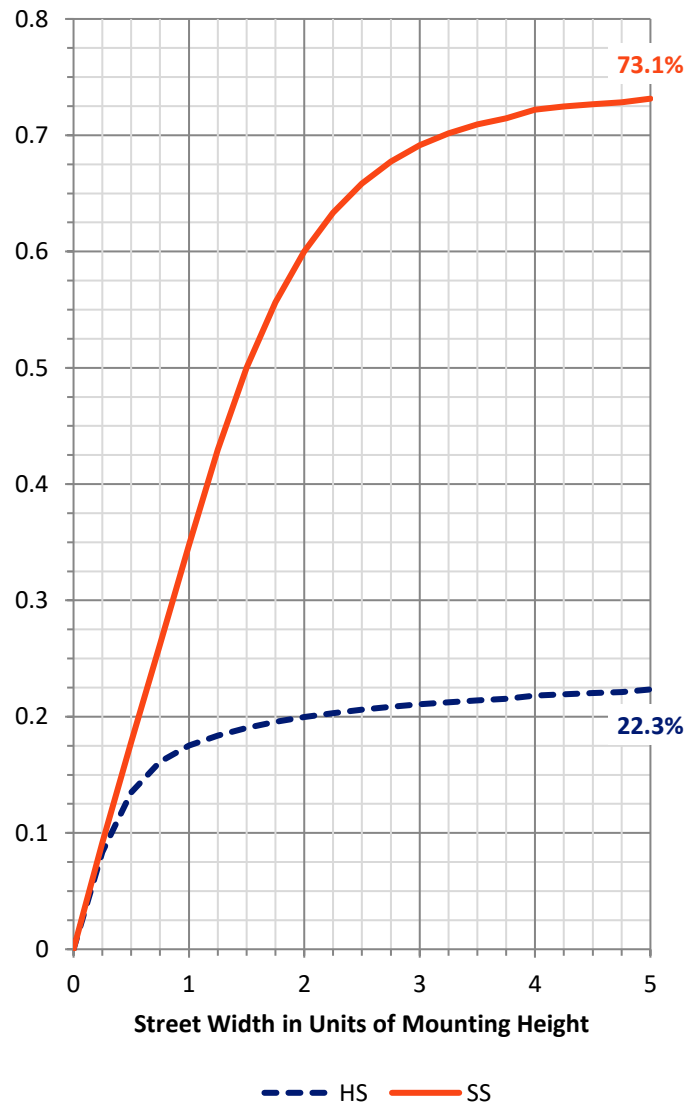
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1805.0	116.3	1921.3
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	5657.7	98.3	5756.0
	% Fixture	73.7	1.3	75.0
Total	Lumens	7462.7	214.5	7677.2
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	0.9
10°-20°	169.4	2.2
20°-30°	308.6	4.0
30°-40°	583.3	7.6
40°-50°	974.8	12.7
50°-60°	1521.4	19.8
60°-70°	1886.7	24.6
70°-80°	1541.4	20.1
80°-90°	408.0	5.3
90°-100°	154.9	2.0
100°-110°	33.0	0.4
110°-120°	10.7	0.1
120°-130°	8.3	0.1
130°-140°	4.0	0.1
140°-150°	1.9	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7462.7	97.2
0°-180°	7677.2	100.0

Coefficient of Utilization



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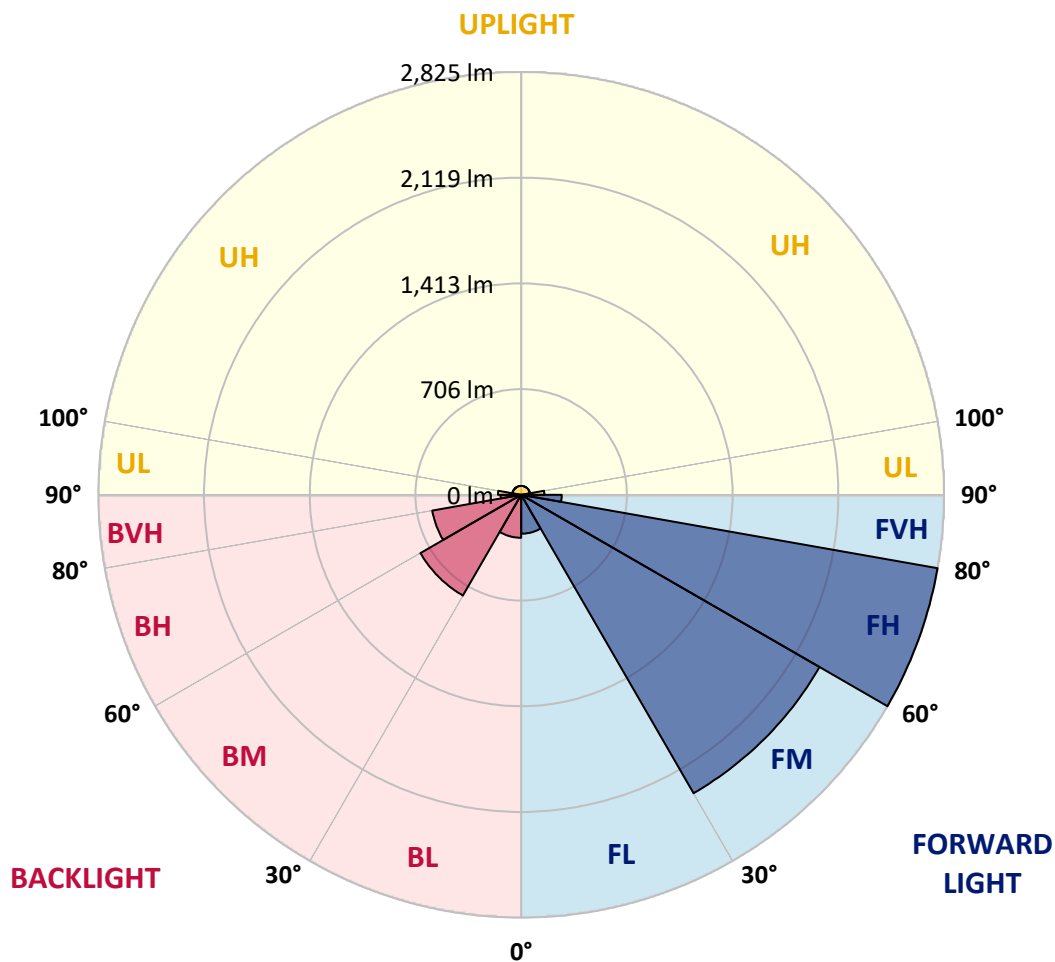
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	260.0	3.4			
FM	(30°-60°)	2302.0	30.0			
FH	(60°-80°)	2825.0	36.8			G2/5000
FVH	(80°-90°)	270.7	3.5			G3/500
BL	(0°-30°)	287.1	3.7	B1/500		
BM	(30°-60°)	777.5	10.1	B1/1000		
BH	(60°-80°)	603.1	7.9	B2/1000		G2/1000
BVH	(80°-90°)	137.3	1.8			G2/225
UL	(90°-100°)	154.9	2.0		U3/500	
UH	(100°-180°)	59.7	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2
2.5°	702.4	770.8	758.9	779.8	791.7	809.5	821.4	827.4	833.3	839.3	839.3
5°	651.8	654.8	657.7	660.7	666.7	675.6	684.5	779.8	809.5	821.4	821.4
7.5°	595.2	592.3	604.2	619.0	639.9	651.8	660.7	663.7	696.4	723.2	729.2
10°	592.3	595.2	595.2	601.2	565.5	562.5	520.8	523.8	568.5	636.9	639.9
12.5°	514.9	529.8	562.5	586.3	550.6	494.0	485.1	508.9	476.2	559.5	562.5
15°	574.4	571.4	571.4	547.6	464.3	488.1	434.5	452.4	553.6	631.0	645.8
17.5°	500.0	494.0	553.6	535.7	482.1	407.7	488.1	482.1	500.0	544.6	535.7
20°	628.0	622.0	610.1	464.3	488.1	511.9	497.0	464.3	586.3	654.8	693.4
22.5°	586.3	592.3	622.0	589.3	503.0	526.8	470.2	571.4	553.6	526.8	532.7
25°	800.6	794.6	764.9	577.4	601.2	491.1	574.4	508.9	702.4	779.8	785.7
27.5°	738.1	729.2	708.3	726.2	610.1	642.9	559.5	666.7	776.8	913.7	955.4
30°	979.2	970.2	946.4	732.1	726.2	636.9	678.6	818.4	1047.6	1151.8	1148.8
32.5°	1261.9	1196.4	1050.6	937.5	776.8	827.4	776.8	964.3	1116.1	1217.3	1217.3
35°	1434.5	1422.6	1345.2	1089.3	904.8	901.8	892.9	1062.5	1232.1	1303.6	1297.6
37.5°	1580.4	1601.2	1544.6	1261.9	1020.8	1044.6	1000.0	1196.4	1375.0	1416.7	1410.7
40°	1782.7	1776.8	1747.0	1410.7	1163.7	1160.7	1128.0	1357.1	1532.7	1562.5	1547.6
42.5°	2083.3	2050.6	1961.3	1610.1	1315.5	1315.5	1255.9	1508.9	1726.2	1729.2	1738.1
45°	2452.4	2437.5	2279.8	1919.6	1511.9	1508.9	1410.7	1669.6	1922.6	1937.5	1910.7
47.5°	2708.3	2663.7	2586.3	2202.4	1815.5	1747.0	1598.2	1827.4	2157.7	2145.8	2092.3
50°	2961.3	2925.6	2854.2	2511.9	2130.9	1994.0	1773.8	1991.1	2383.9	2351.2	2300.6
52.5°	3178.6	3130.9	3053.6	2764.9	2407.7	2300.6	1976.2	2139.9	2613.1	2559.5	2511.9
55°	3303.6	3205.3	3211.3	2991.1	2616.1	2529.8	2202.4	2380.9	2836.3	2758.9	2720.2
57.5°	3148.8	3142.8	3241.1	3130.9	2806.5	2720.2	2443.4	2622.0	3068.4	2967.3	2949.4
60°	2994.0	3011.9	3151.8	3172.6	2955.3	2892.8	2651.8	2964.3	3294.6	3184.5	3184.5
62.5°	2779.8	2830.3	3026.8	3187.5	2970.2	3062.5	2869.0	3255.9	3541.7	3440.5	3473.2
65°	2535.7	2535.7	2761.9	3065.5	2922.6	3175.6	3110.1	3574.4	3758.9	3699.4	3767.8
67.5°	2202.4	2208.3	2443.4	2827.4	2836.3	3232.1	3303.6	3824.4	3985.1	3940.5	3991.1
70°	1869.0	1872.0	2068.4	2500.0	2645.8	3211.3	3470.2	3991.1	4095.2	4101.2	4125.0
72.5°	1398.8	1449.4	1633.9	2029.8	2315.5	3125.0	3556.5	4038.7	4092.2	4101.2	4023.8
75°	753.0	776.8	982.1	1321.4	1720.2	2770.8	3529.7	3988.1	3949.4	3845.2	3642.8
77.5°	261.9	273.8	345.2	577.4	976.2	1961.3	3273.8	3767.8	3642.8	3315.5	3017.8
80°	169.6	169.6	187.5	276.8	443.5	928.6	2541.7	3229.2	2934.5	2235.1	1958.3
82.5°	119.0	122.0	136.9	184.5	285.7	398.8	1321.4	1639.9	1616.1	1113.1	937.5
85°	86.3	89.3	95.2	107.1	196.4	247.0	514.9	788.7	729.2	398.8	375.0
87.5°	38.7	44.6	38.7	47.6	77.4	151.8	247.0	244.0	232.1	264.9	270.8
90°	29.8	29.8	23.8	26.8	53.6	136.9	229.2	220.2	235.1	288.7	285.7
92.5°	29.8	29.8	23.8	26.8	50.6	136.9	241.1	214.3	244.0	309.5	312.5
95°	29.8	32.7	23.8	23.8	41.7	139.9	256.0	229.2	258.9	336.3	336.3
97.5°	26.8	26.8	17.9	20.8	32.7	128.0	256.0	196.4	190.5	270.8	267.9
100°	20.8	23.8	11.9	17.9	23.8	77.4	190.5	122.0	53.6	62.5	95.2
102.5°	20.8	20.8	11.9	14.9	17.9	32.7	101.2	71.4	14.9	20.8	20.8
105°	20.8	23.8	11.9	11.9	11.9	14.9	47.6	35.7	11.9	17.9	20.8
107.5°	23.8	23.8	8.9	8.9	8.9	8.9	17.9	14.9	11.9	20.8	23.8
110°	23.8	23.8	8.9	8.9	6.0	6.0	8.9	8.9	11.9	20.8	23.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	20.8	20.8	8.9	8.9	6.0	6.0	6.0	8.9	11.9	17.9	20.8
115°	14.9	14.9	6.0	8.9	6.0	6.0	6.0	8.9	8.9	14.9	17.9
117.5°	14.9	11.9	6.0	6.0	3.0	6.0	6.0	8.9	11.9	20.8	20.8
120°	14.9	14.9	6.0	3.0	3.0	3.0	3.0	6.0	14.9	23.8	26.8
122.5°	14.9	14.9	6.0	3.0	3.0	3.0	3.0	6.0	14.9	23.8	26.8
125°	17.9	14.9	8.9	3.0	3.0	3.0	3.0	3.0	11.9	20.8	23.8
127.5°	14.9	14.9	8.9	3.0	3.0	3.0	3.0	3.0	8.9	17.9	20.8
130°	14.9	14.9	8.9	3.0	3.0	3.0	3.0	3.0	8.9	14.9	14.9
132.5°	11.9	11.9	8.9	3.0	3.0	3.0	3.0	3.0	6.0	11.9	11.9
135°	11.9	11.9	6.0	3.0	3.0	3.0	3.0	3.0	3.0	8.9	8.9
137.5°	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
140°	0.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	8.9	8.9	8.9	6.0	6.0	3.0	6.0	3.0	3.0	3.0	3.0
152.5°	8.9	8.9	11.9	6.0	3.0	3.0	3.0	6.0	3.0	3.0	3.0
155°	6.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	8.9
157.5°	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
160°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2
2.5°	842.3	848.2	851.2	860.1	860.1	860.1	839.3	788.7	788.7	791.7	794.6
5°	830.4	836.3	848.2	806.5	764.9	761.9	776.8	785.7	788.7	791.7	785.7
7.5°	735.1	747.0	741.1	744.0	764.9	785.7	803.6	791.7	761.9	741.1	747.0
10°	654.8	666.7	601.2	607.1	631.0	690.5	788.7	821.4	842.3	851.2	851.2
12.5°	574.4	583.3	526.8	610.1	568.5	660.7	767.9	848.2	767.9	735.1	735.1
15°	657.7	675.6	607.1	541.7	553.6	669.6	589.3	809.5	833.3	839.3	845.2
17.5°	562.5	550.6	562.5	571.4	622.0	520.8	675.6	761.9	714.3	696.4	705.4
20°	708.3	720.2	657.7	562.5	568.5	663.7	601.2	681.5	812.5	815.5	821.4
22.5°	538.7	553.6	589.3	669.6	586.3	642.9	633.9	708.3	663.7	666.7	690.5
25°	791.7	803.6	741.1	598.2	639.9	580.4	639.9	631.0	744.0	750.0	750.0
27.5°	970.2	943.4	809.5	675.6	562.5	613.1	577.4	601.2	574.4	654.8	666.7
30°	1154.8	1154.8	1050.6	753.0	595.2	520.8	526.8	571.4	636.9	648.8	648.8
32.5°	1211.3	1208.3	1074.4	815.5	586.3	538.7	485.1	538.7	651.8	708.3	714.3
35°	1291.7	1279.8	1116.1	794.6	565.5	491.1	458.3	541.7	625.0	633.9	628.0
37.5°	1392.9	1363.1	1166.7	755.9	517.9	461.3	440.5	488.1	559.5	559.5	559.5
40°	1517.9	1470.2	1184.5	702.4	467.3	422.6	401.8	452.4	500.0	473.2	464.3
42.5°	1687.5	1616.1	1199.4	663.7	422.6	389.9	363.1	410.7	434.5	419.6	413.7
45°	1845.2	1738.1	1223.2	622.0	386.9	360.1	336.3	378.0	395.8	381.0	378.0
47.5°	2032.7	1889.9	1226.2	583.3	360.1	336.3	318.5	354.2	366.1	366.1	363.1
50°	2226.2	2035.7	1250.0	550.6	333.3	312.5	309.5	336.3	345.2	339.3	336.3
52.5°	2446.4	2199.4	1258.9	508.9	300.6	285.7	300.6	318.5	345.2	348.2	348.2
55°	2681.5	2351.2	1253.0	452.4	276.8	270.8	291.7	330.4	354.2	336.3	333.3
57.5°	2910.7	2503.0	1255.9	389.9	253.0	264.9	294.6	345.2	363.1	342.3	333.3
60°	3116.1	2639.9	1214.3	333.3	235.1	250.0	306.5	360.1	354.2	360.1	351.2
62.5°	3369.0	2782.7	1095.2	297.6	220.2	244.0	306.5	369.0	345.2	369.0	369.0
65°	3577.4	2889.9	925.6	267.9	208.3	244.0	309.5	372.0	336.3	375.0	375.0
67.5°	3666.7	2886.9	669.6	244.0	193.5	238.1	309.5	383.9	345.2	386.9	383.9
70°	3630.9	2788.7	473.2	226.2	184.5	241.1	321.4	392.9	354.2	410.7	407.7
72.5°	3389.9	2556.5	342.3	211.3	172.6	229.2	330.4	404.8	363.1	446.4	446.4
75°	2985.1	2136.9	276.8	196.4	160.7	226.2	333.3	410.7	369.0	452.4	452.4
77.5°	2282.7	1535.7	232.1	181.5	148.8	220.2	330.4	419.6	366.1	452.4	452.4
80°	1369.0	875.0	193.5	163.7	151.8	217.3	336.3	419.6	366.1	446.4	446.4
82.5°	631.0	401.8	172.6	136.9	142.9	214.3	342.3	413.7	351.2	446.4	428.6
85°	351.2	282.7	148.8	116.1	128.0	202.4	324.4	372.0	315.5	369.0	363.1
87.5°	261.9	220.2	95.2	59.5	83.3	142.9	250.0	294.6	238.1	285.7	282.7
90°	279.8	232.1	86.3	59.5	89.3	131.0	235.1	261.9	220.2	264.9	261.9
92.5°	300.6	244.0	86.3	62.5	101.2	142.9	235.1	256.0	217.3	241.1	244.0
95°	315.5	253.0	83.3	68.5	107.1	154.8	229.2	235.1	199.4	208.3	217.3
97.5°	247.0	190.5	74.4	71.4	104.2	125.0	187.5	184.5	136.9	128.0	128.0
100°	77.4	53.6	65.5	74.4	62.5	59.5	110.1	131.0	80.4	53.6	50.6
102.5°	23.8	20.8	59.5	71.4	47.6	26.8	59.5	83.3	59.5	8.9	11.9
105°	23.8	23.8	38.7	59.5	32.7	11.9	23.8	44.6	35.7	8.9	8.9
107.5°	23.8	20.8	14.9	32.7	11.9	8.9	11.9	11.9	11.9	8.9	8.9
110°	23.8	23.8	11.9	11.9	8.9	8.9	8.9	6.0	6.0	14.9	14.9



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CATALOG NUMBER: SDL-PA1-100-830-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.8	23.8	11.9	11.9	8.9	8.9	6.0	6.0	8.9	20.8	20.8
115°	20.8	20.8	11.9	8.9	6.0	8.9	6.0	6.0	8.9	23.8	23.8
117.5°	23.8	23.8	11.9	8.9	6.0	6.0	6.0	3.0	8.9	26.8	29.8
120°	29.8	26.8	14.9	6.0	6.0	6.0	6.0	6.0	11.9	23.8	26.8
122.5°	29.8	29.8	14.9	6.0	3.0	3.0	3.0	6.0	11.9	23.8	26.8
125°	26.8	26.8	14.9	6.0	3.0	3.0	3.0	3.0	11.9	20.8	20.8
127.5°	23.8	23.8	11.9	6.0	3.0	3.0	3.0	3.0	8.9	17.9	20.8
130°	17.9	17.9	8.9	6.0	3.0	3.0	3.0	3.0	8.9	14.9	17.9
132.5°	14.9	14.9	8.9	6.0	3.0	3.0	3.0	3.0	8.9	11.9	14.9
135°	8.9	8.9	6.0	3.0	3.0	3.0	3.0	3.0	6.0	8.9	11.9
137.5°	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0
140°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	8.9	6.0
152.5°	3.0	3.0	3.0	6.0	3.0	0.0	0.0	6.0	6.0	8.9	8.9
155°	8.9	8.9	6.0	3.0	3.0	0.0	0.0	0.0	6.0	6.0	6.0
157.5°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0	3.0
160°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
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)