

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: P561000

Luminaire Tested: **SDL-PA1-70-830-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-830-U-T2U-A
Description: Springdale
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6419.1 lumens
Efficiency: N/A
Efficacy: 88.9 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 - U3 - 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



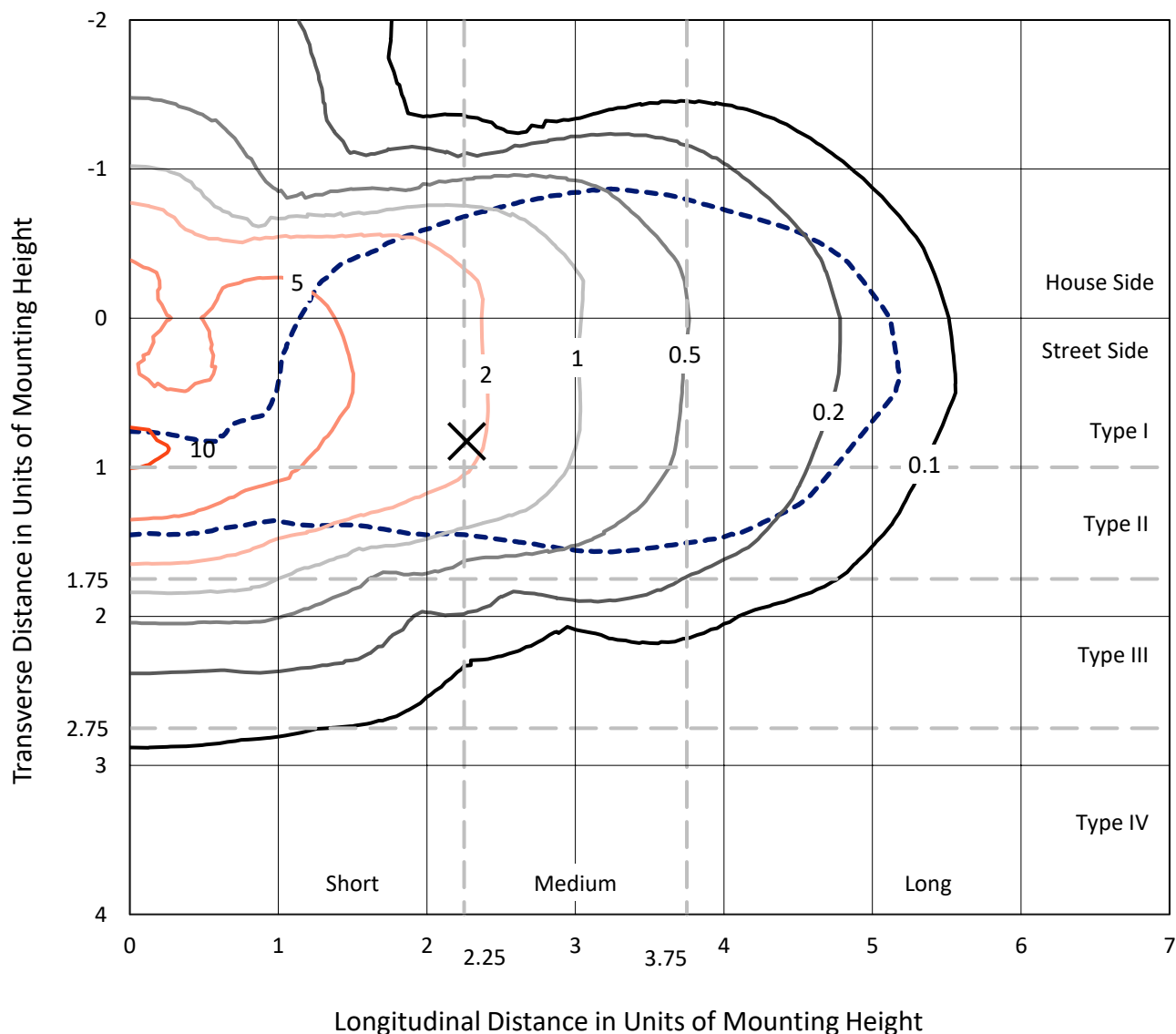
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

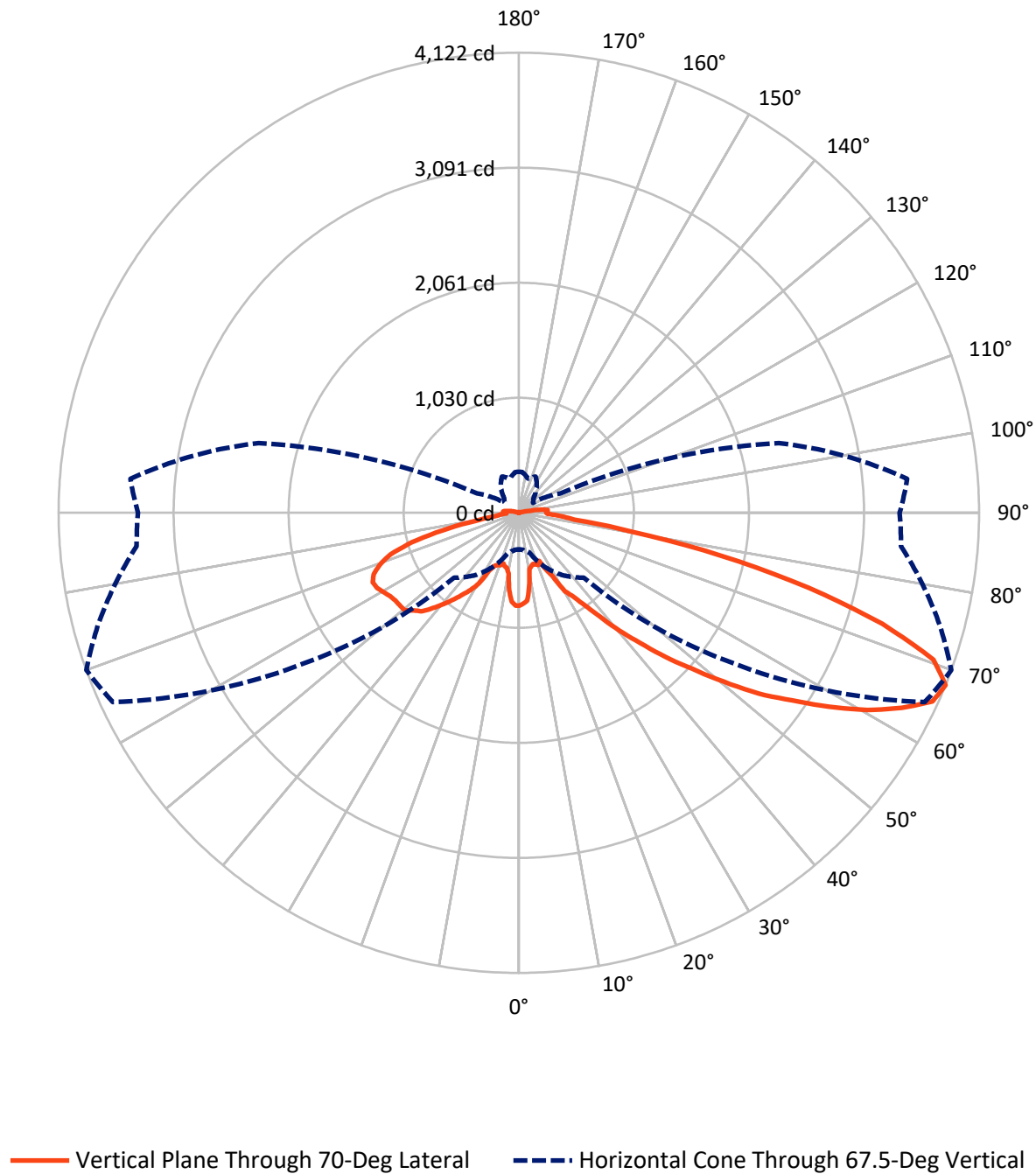


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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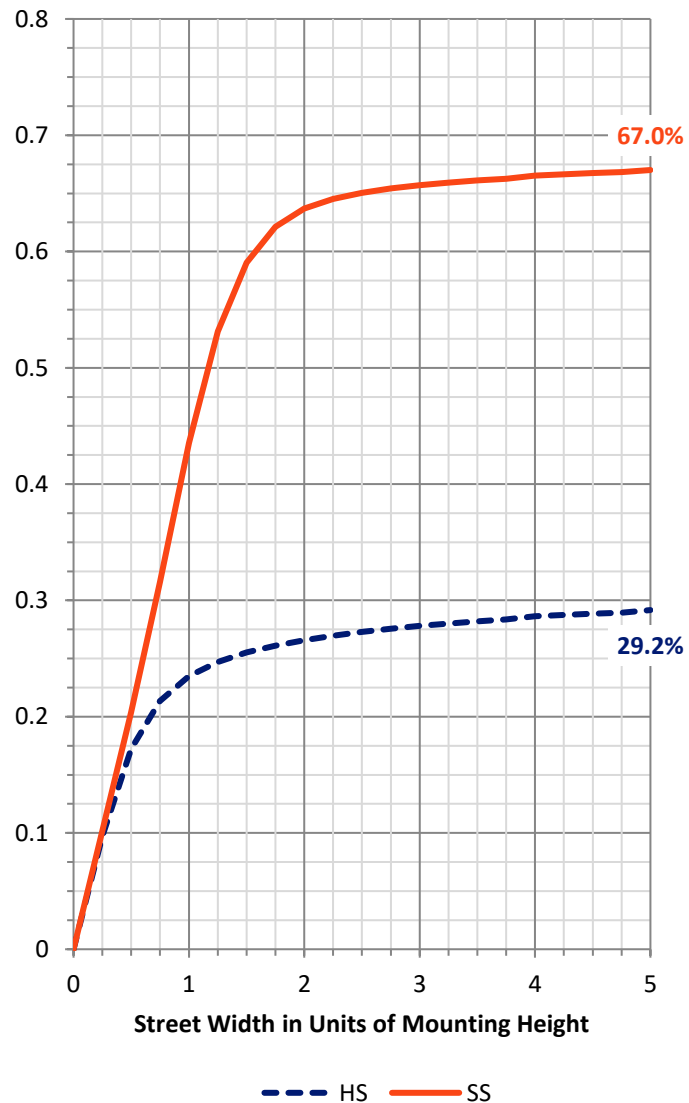
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1930.7	75.8	2006.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	4339.4	73.3	4412.7
	% Fixture	67.6	1.1	68.7
Total	Lumens	6270.1	149.1	6419.1
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.0
10°-20°	154.0	2.4
20°-30°	273.2	4.3
30°-40°	575.7	9.0
40°-50°	1076.2	16.8
50°-60°	1490.5	23.2
60°-70°	1437.2	22.4
70°-80°	944.9	14.7
80°-90°	251.8	3.9
90°-100°	103.3	1.6
100°-110°	22.6	0.4
110°-120°	9.8	0.2
120°-130°	7.1	0.1
130°-140°	3.2	0.0
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6270.1	97.7
0°-180°	6419.1	100.0

Coefficient of Utilization



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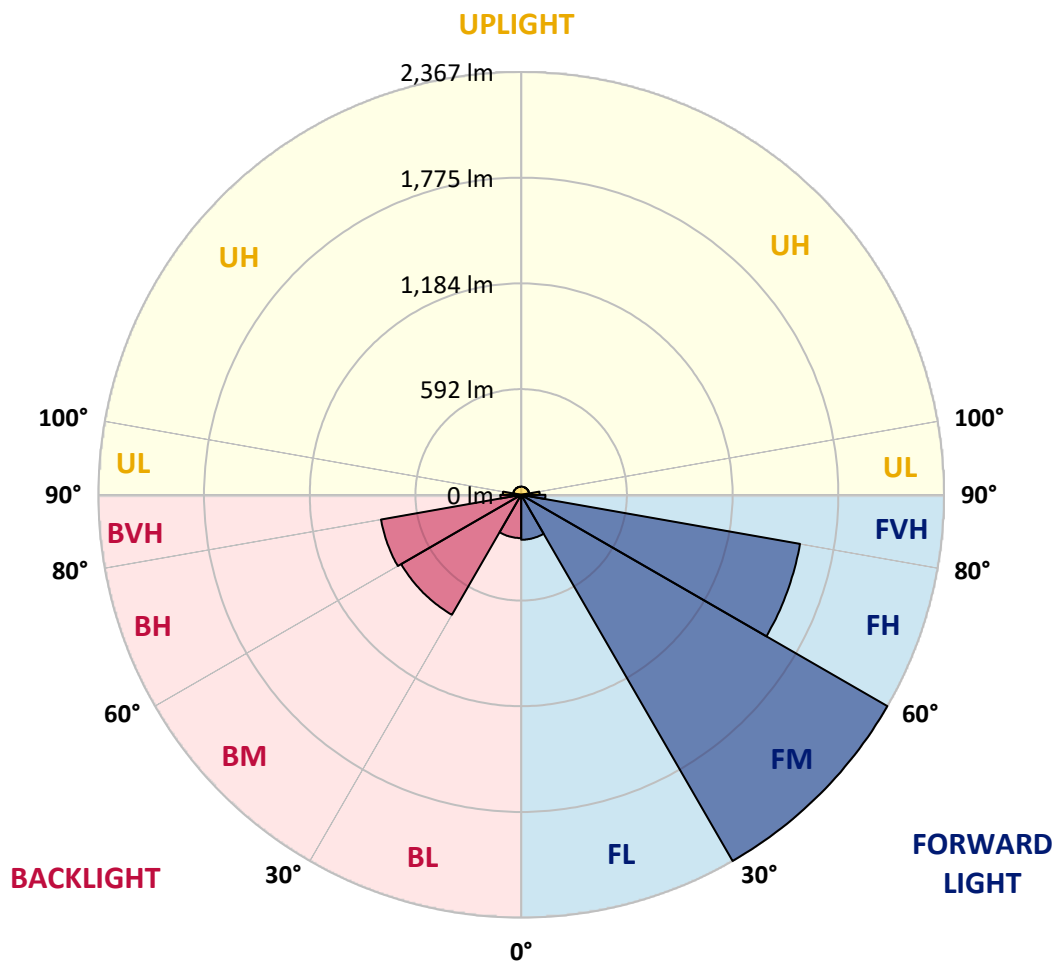
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.5	3.9			
FM	(30°-60°)	2367.2	36.9			
FH	(60°-80°)	1585.1	24.7			G1/1800
FVH	(80°-90°)	135.5	2.1			G2/225
BL	(0°-30°)	242.2	3.8	B1/500		
BM	(30°-60°)	775.1	12.1	B1/1000		
BH	(60°-80°)	797.0	12.4	B2/1000		G2/1000
BVH	(80°-90°)	116.3	1.8			G2/225
UL	(90°-100°)	103.3	1.6		U3/500	
UH	(100°-180°)	45.8	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	830.7	830.7	830.7	830.7	830.7	830.7	830.7	830.7	830.7	830.7	830.7
2.5°	693.5	749.9	732.7	786.6	798.9	811.1	813.6	816.0	813.6	816.0	820.9
5°	654.3	656.7	659.2	664.1	664.1	669.0	678.8	781.7	791.5	798.9	808.7
7.5°	546.5	571.0	617.5	634.7	642.0	651.8	656.7	656.7	666.5	691.0	708.2
10°	607.7	602.8	605.3	607.7	573.4	566.1	514.6	507.3	514.6	531.8	612.6
12.5°	509.7	534.2	585.7	597.9	556.3	492.6	485.2	495.0	492.6	443.5	519.5
15°	590.6	588.1	583.2	573.4	465.6	487.7	419.0	423.9	475.4	509.7	580.8
17.5°	514.6	512.2	580.8	561.2	490.1	379.8	477.8	443.5	485.2	448.4	480.3
20°	639.6	637.1	629.8	468.0	499.9	504.8	463.1	428.8	499.9	517.1	583.2
22.5°	580.8	580.8	627.3	615.1	507.3	534.2	441.1	522.0	468.0	475.4	441.1
25°	798.9	791.5	781.7	571.0	610.2	490.1	546.5	480.3	558.7	605.3	634.7
27.5°	774.4	759.7	749.9	757.2	612.6	642.0	541.6	597.9	644.5	664.1	740.1
30°	1088.0	1068.4	1039.0	794.0	762.1	656.7	654.3	740.1	816.0	877.3	918.9
32.5°	1387.0	1391.9	1240.0	1066.0	843.0	877.3	779.3	867.5	892.0	955.7	980.2
35°	1779.1	1730.1	1634.5	1330.6	1026.8	992.5	906.7	990.0	1014.5	1075.8	1090.5
37.5°	2087.8	2090.3	1943.3	1600.2	1230.2	1200.7	1051.3	1137.0	1181.1	1249.8	1225.3
40°	2384.3	2396.6	2279.0	1877.1	1487.5	1406.6	1225.3	1325.7	1387.0	1428.6	1387.0
42.5°	2649.0	2646.5	2565.7	2183.4	1727.6	1681.0	1409.0	1538.9	1592.8	1632.0	1600.2
45°	2857.3	2849.9	2776.4	2433.4	2011.9	2075.6	1649.2	1784.0	1840.3	1884.4	1806.0
47.5°	2928.4	2889.1	2857.3	2614.7	2276.5	2423.5	1945.7	2021.7	2087.8	2163.8	2036.4
50°	2852.4	2800.9	2813.2	2700.5	2499.5	2715.2	2264.3	2296.1	2377.0	2443.2	2254.5
52.5°	2536.3	2524.0	2592.6	2614.7	2595.1	2938.2	2622.0	2531.4	2690.7	2698.0	2479.9
55°	2119.7	2105.0	2266.7	2357.4	2504.4	3026.4	2925.9	2862.2	2965.1	2952.9	2680.9
57.5°	1708.0	1698.2	1845.2	1994.7	2249.6	2977.4	3139.1	3224.9	3276.3	3207.7	2867.1
60°	1144.4	1164.0	1416.4	1617.3	1840.3	2683.3	3220.0	3563.0	3587.5	3440.5	3063.1
62.5°	730.3	757.2	918.9	1247.3	1374.7	2178.5	3161.2	3864.4	3849.7	3651.3	3244.5
65°	468.0	477.8	556.3	845.4	985.1	1443.3	2898.9	4070.3	4072.7	3839.9	3389.0
67.5°	328.4	330.8	367.6	526.9	681.2	820.9	2357.4	4011.5	4121.7	3903.7	3435.6
70°	294.1	296.5	306.3	357.8	517.1	509.7	1428.6	3585.1	3940.4	3820.3	3364.5
72.5°	262.2	264.7	281.8	311.2	397.0	399.4	683.7	2854.8	3406.2	3523.8	3153.8
75°	218.1	223.0	242.6	291.6	306.3	335.7	458.2	2007.0	2680.9	3036.2	2903.8
77.5°	183.8	186.2	200.9	247.5	267.1	272.0	392.1	1112.5	1852.6	2234.9	2558.3
80°	147.0	147.0	159.3	196.0	220.5	223.0	350.4	588.1	1026.8	1352.7	1779.1
82.5°	95.6	98.0	112.7	147.0	164.2	220.5	311.2	428.8	502.4	651.8	808.7
85°	61.3	61.3	71.1	83.3	98.0	169.1	274.5	355.3	374.9	409.2	367.6
87.5°	29.4	29.4	27.0	31.9	36.8	63.7	191.1	252.4	254.9	250.0	269.6
90°	24.5	24.5	19.6	22.1	24.5	34.3	144.6	247.5	245.1	254.9	279.4
92.5°	27.0	27.0	19.6	22.1	24.5	29.4	105.4	250.0	257.3	269.6	296.5
95°	29.4	29.4	19.6	19.6	22.1	27.0	66.2	215.6	259.8	272.0	306.3
97.5°	27.0	27.0	14.7	17.2	19.6	24.5	41.7	161.7	203.4	213.2	242.6
100°	24.5	24.5	12.3	14.7	17.2	19.6	27.0	83.3	88.2	66.2	93.1
102.5°	22.1	24.5	9.8	12.3	12.3	12.3	17.2	39.2	39.2	22.1	24.5
105°	22.1	24.5	9.8	9.8	7.4	9.8	9.8	14.7	17.2	12.3	19.6
107.5°	24.5	24.5	9.8	9.8	7.4	7.4	7.4	9.8	12.3	9.8	19.6
110°	22.1	22.1	7.4	9.8	4.9	4.9	4.9	7.4	9.8	9.8	22.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	14.7	14.7	7.4	9.8	4.9	4.9	4.9	7.4	9.8	12.3	27.0
115°	12.3	9.8	4.9	7.4	4.9	4.9	4.9	7.4	7.4	9.8	22.1
117.5°	12.3	9.8	4.9	4.9	2.5	4.9	4.9	7.4	7.4	9.8	19.6
120°	12.3	12.3	4.9	2.5	2.5	2.5	2.5	4.9	7.4	12.3	22.1
122.5°	14.7	12.3	4.9	4.9	2.5	2.5	2.5	4.9	7.4	12.3	22.1
125°	14.7	14.7	7.4	4.9	2.5	2.5	2.5	4.9	7.4	9.8	19.6
127.5°	14.7	12.3	7.4	4.9	2.5	2.5	2.5	2.5	4.9	7.4	17.2
130°	12.3	12.3	7.4	2.5	2.5	2.5	2.5	2.5	4.9	4.9	12.3
132.5°	9.8	9.8	7.4	2.5	2.5	2.5	2.5	2.5	2.5	4.9	9.8
135°	7.4	7.4	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	7.4
137.5°	4.9	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5
150°	4.9	4.9	9.8	7.4	4.9	2.5	4.9	2.5	2.5	2.5	2.5
152.5°	7.4	7.4	9.8	7.4	2.5	2.5	2.5	4.9	2.5	2.5	2.5
155°	4.9	4.9	4.9	2.5	2.5	2.5	2.5	2.5	4.9	4.9	7.4
157.5°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	830.7	830.7	830.7	830.7	830.7	830.7	830.7	830.7	830.7	830.7	830.7
2.5°	823.4	823.4	830.7	833.2	830.7	828.3	813.6	769.5	742.5	745.0	745.0
5°	811.1	813.6	820.9	776.8	722.9	727.8	735.2	737.6	737.6	742.5	742.5
7.5°	715.5	718.0	698.4	705.7	722.9	735.2	740.1	727.8	688.6	673.9	673.9
10°	620.0	620.0	551.4	553.8	573.4	610.2	725.3	737.6	749.9	752.3	749.9
12.5°	524.4	526.9	470.5	541.6	517.1	583.2	669.0	740.1	683.7	627.3	634.7
15°	585.7	590.6	529.3	465.6	477.8	575.9	499.9	686.1	691.0	691.0	691.0
17.5°	470.5	497.5	468.0	480.3	529.3	433.7	566.1	627.3	575.9	561.2	561.2
20°	585.7	585.7	534.2	463.1	490.1	563.6	502.4	558.7	656.7	656.7	654.3
22.5°	436.2	436.2	468.0	536.7	492.6	556.3	531.8	578.3	522.0	522.0	536.7
25°	629.8	622.4	568.5	475.4	561.2	514.6	534.2	504.8	590.6	597.9	593.0
27.5°	759.7	754.8	610.2	546.5	526.9	548.9	480.3	470.5	453.3	522.0	514.6
30°	899.3	887.1	798.9	659.2	578.3	463.1	433.7	450.9	499.9	502.4	499.9
32.5°	965.5	938.5	840.5	789.1	590.6	477.8	389.6	401.9	497.5	526.9	526.9
35°	1056.2	1026.8	916.5	860.1	588.1	421.5	345.5	389.6	448.4	450.9	450.9
37.5°	1181.1	1137.0	1043.9	901.8	548.9	372.5	318.6	345.5	387.2	399.4	404.3
40°	1325.7	1269.4	1186.0	928.7	492.6	313.7	284.3	318.6	350.4	340.6	340.6
42.5°	1529.1	1445.8	1325.7	970.4	421.5	276.9	259.8	291.6	313.7	318.6	316.1
45°	1720.3	1617.3	1489.9	985.1	343.1	250.0	242.6	276.9	299.0	291.6	291.6
47.5°	1935.9	1806.0	1612.4	950.8	281.8	235.2	242.6	267.1	276.9	289.2	289.2
50°	2149.1	2009.4	1791.3	896.9	250.0	225.4	242.6	257.3	276.9	284.3	281.8
52.5°	2342.7	2220.2	1899.1	801.3	232.8	218.1	235.2	257.3	281.8	294.1	294.1
55°	2553.4	2428.4	1997.2	715.5	218.1	203.4	242.6	267.1	274.5	281.8	281.8
57.5°	2712.7	2614.7	2105.0	639.6	208.3	203.4	247.5	279.4	276.9	284.3	284.3
60°	2906.3	2820.5	2203.0	602.8	193.6	193.6	257.3	301.4	281.8	303.9	303.9
62.5°	3112.1	3060.7	2298.6	575.9	178.9	188.7	259.8	318.6	291.6	325.9	328.4
65°	3310.6	3320.4	2386.8	512.2	166.6	188.7	264.7	340.6	301.4	345.5	350.4
67.5°	3411.1	3492.0	2411.3	411.7	154.4	186.2	279.4	357.8	316.1	365.1	367.6
70°	3391.5	3496.9	2354.9	303.9	144.6	196.0	301.4	372.5	323.5	389.6	389.6
72.5°	3220.0	3295.9	2188.3	230.3	134.8	188.7	306.3	377.4	328.4	428.8	428.8
75°	2977.4	2898.9	1801.1	191.1	127.4	188.7	299.0	372.5	323.5	419.0	416.6
77.5°	2582.8	2320.6	1242.4	169.1	120.1	181.3	279.4	362.7	308.8	389.6	394.5
80°	1656.5	1428.6	634.7	147.0	127.4	174.0	269.6	335.7	286.7	348.0	350.4
82.5°	754.8	634.7	289.2	129.9	125.0	156.8	245.1	299.0	250.0	296.5	294.1
85°	318.6	323.5	227.9	110.3	110.3	122.5	181.3	232.8	193.6	208.3	203.4
87.5°	247.5	237.7	156.8	66.2	71.1	53.9	117.6	166.6	127.4	134.8	132.3
90°	262.2	257.3	166.6	68.6	51.5	31.9	88.2	129.9	95.6	85.8	83.3
92.5°	279.4	276.9	186.2	73.5	51.5	27.0	76.0	105.4	68.6	58.8	56.4
95°	299.0	299.0	203.4	78.4	51.5	27.0	68.6	80.9	51.5	39.2	36.8
97.5°	237.7	242.6	174.0	80.9	49.0	27.0	61.3	66.2	39.2	22.1	22.1
100°	95.6	105.4	95.6	80.9	44.1	22.1	49.0	51.5	27.0	12.3	12.3
102.5°	22.1	27.0	66.2	71.1	34.3	14.7	31.9	31.9	17.2	7.4	7.4
105°	22.1	19.6	44.1	56.4	19.6	9.8	14.7	19.6	9.8	4.9	4.9
107.5°	22.1	22.1	19.6	27.0	9.8	7.4	7.4	7.4	4.9	4.9	4.9
110°	24.5	22.1	9.8	9.8	7.4	7.4	4.9	4.9	2.5	14.7	17.2



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CATALOG NUMBER: SDL-PA1-70-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.4	27.0	12.3	9.8	7.4	7.4	4.9	4.9	7.4	24.5	24.5
115°	24.5	22.1	12.3	7.4	7.4	7.4	4.9	2.5	7.4	27.0	27.0
117.5°	22.1	19.6	12.3	7.4	4.9	7.4	4.9	2.5	7.4	27.0	27.0
120°	24.5	22.1	12.3	7.4	4.9	4.9	4.9	2.5	7.4	24.5	24.5
122.5°	24.5	24.5	14.7	4.9	4.9	2.5	4.9	2.5	7.4	22.1	22.1
125°	22.1	19.6	12.3	4.9	2.5	2.5	2.5	2.5	9.8	19.6	22.1
127.5°	19.6	17.2	9.8	4.9	2.5	2.5	2.5	2.5	7.4	14.7	17.2
130°	14.7	14.7	7.4	4.9	2.5	2.5	2.5	2.5	7.4	14.7	12.3
132.5°	9.8	9.8	7.4	4.9	2.5	2.5	2.5	2.5	7.4	9.8	9.8
135°	7.4	7.4	4.9	2.5	2.5	2.5	2.5	2.5	4.9	7.4	7.4
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	4.9	2.5	2.5	4.9	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	4.9	2.5	2.5	2.5	2.5	7.4	7.4	4.9
155°	7.4	7.4	4.9	2.5	2.5	2.5	2.5	2.5	4.9	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	0.0	0.0	2.5	0.0
160°	0.0	0.0	2.5	2.5	2.5	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

(END OF REPORT)