

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: P560828

Luminaire Tested: **SDL-PA1-60-830-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560828
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-PA1-60-830-U-T3-A
Description: Springdale
(1) 80 CRI, 3000K, 800mA 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: 5576.6 lumens
Efficiency: N/A
Efficacy: 89.4 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 - U3 - G2

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

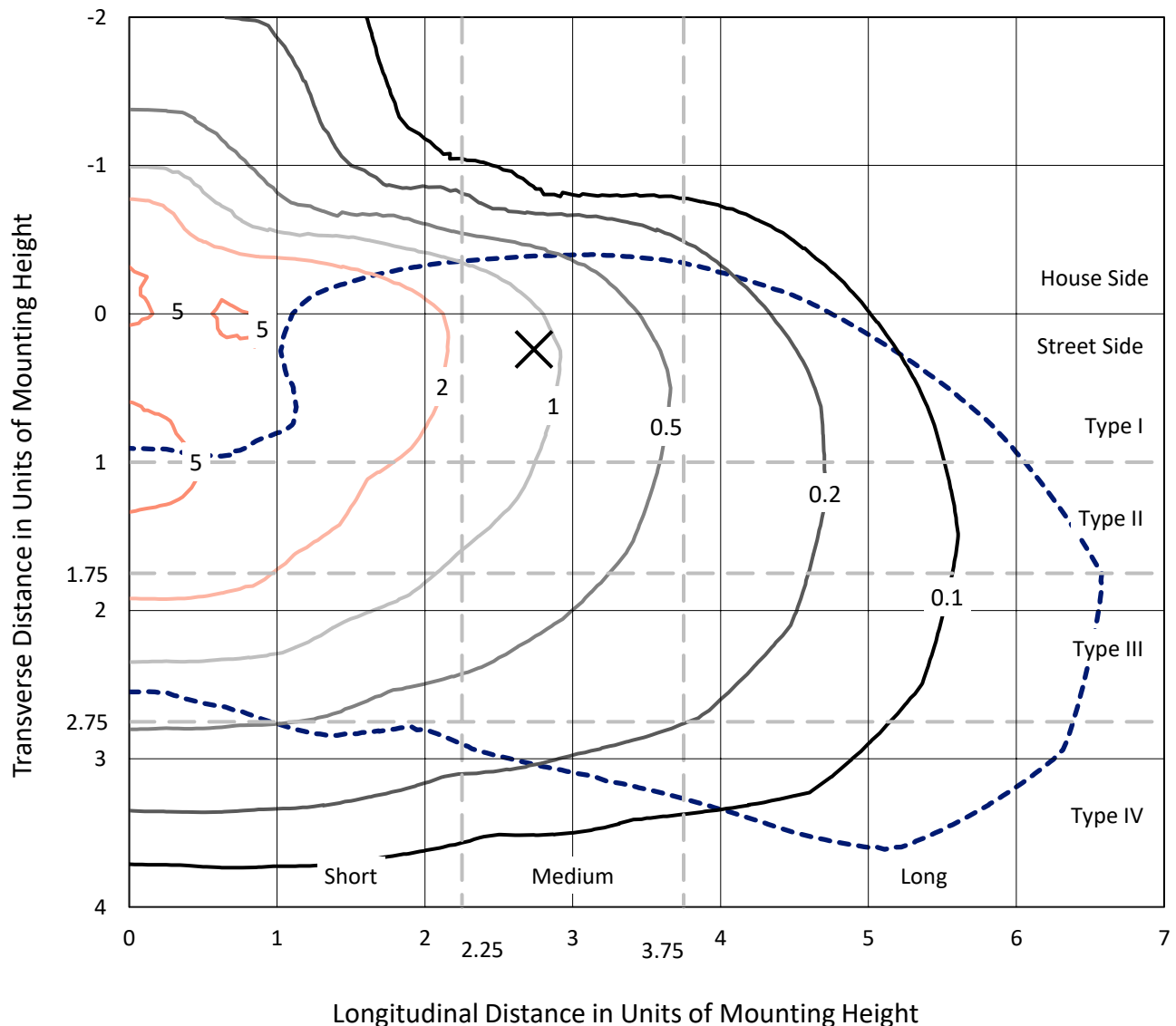


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

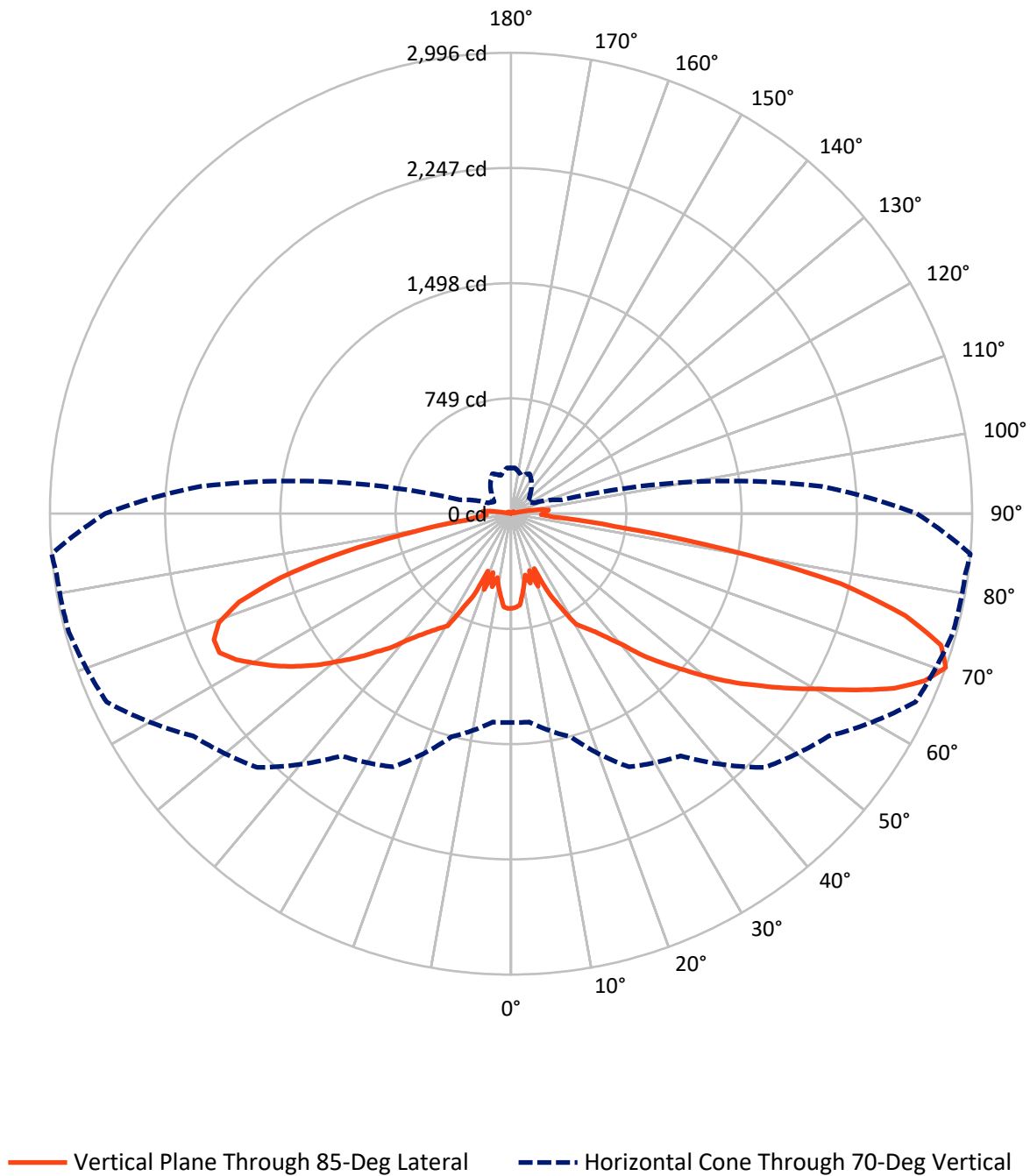


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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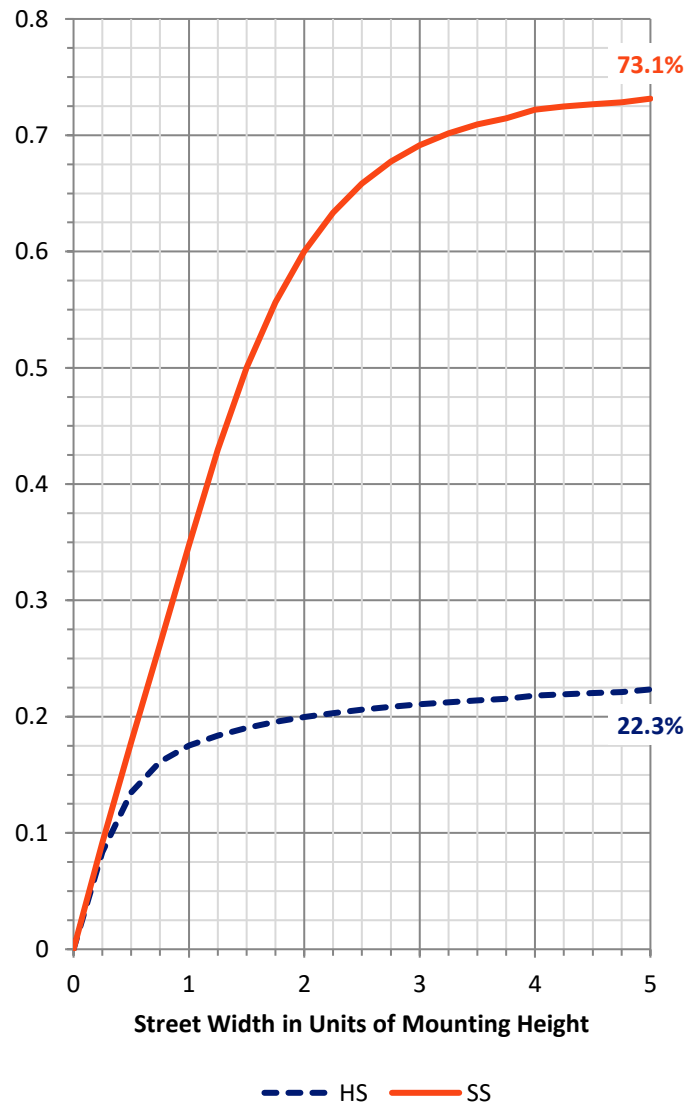
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1311.1	84.5	1395.6
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	4109.7	71.4	4181.1
	% Fixture	73.7	1.3	75.0
Total	Lumens	5420.8	155.8	5576.6
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	0.9
10°-20°	123.0	2.2
20°-30°	224.1	4.0
30°-40°	423.7	7.6
40°-50°	708.1	12.7
50°-60°	1105.1	19.8
60°-70°	1370.5	24.6
70°-80°	1119.7	20.1
80°-90°	296.4	5.3
90°-100°	112.5	2.0
100°-110°	24.0	0.4
110°-120°	7.8	0.1
120°-130°	6.0	0.1
130°-140°	2.9	0.1
140°-150°	1.4	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5420.8	97.2
0°-180°	5576.6	100.0

Coefficient of Utilization



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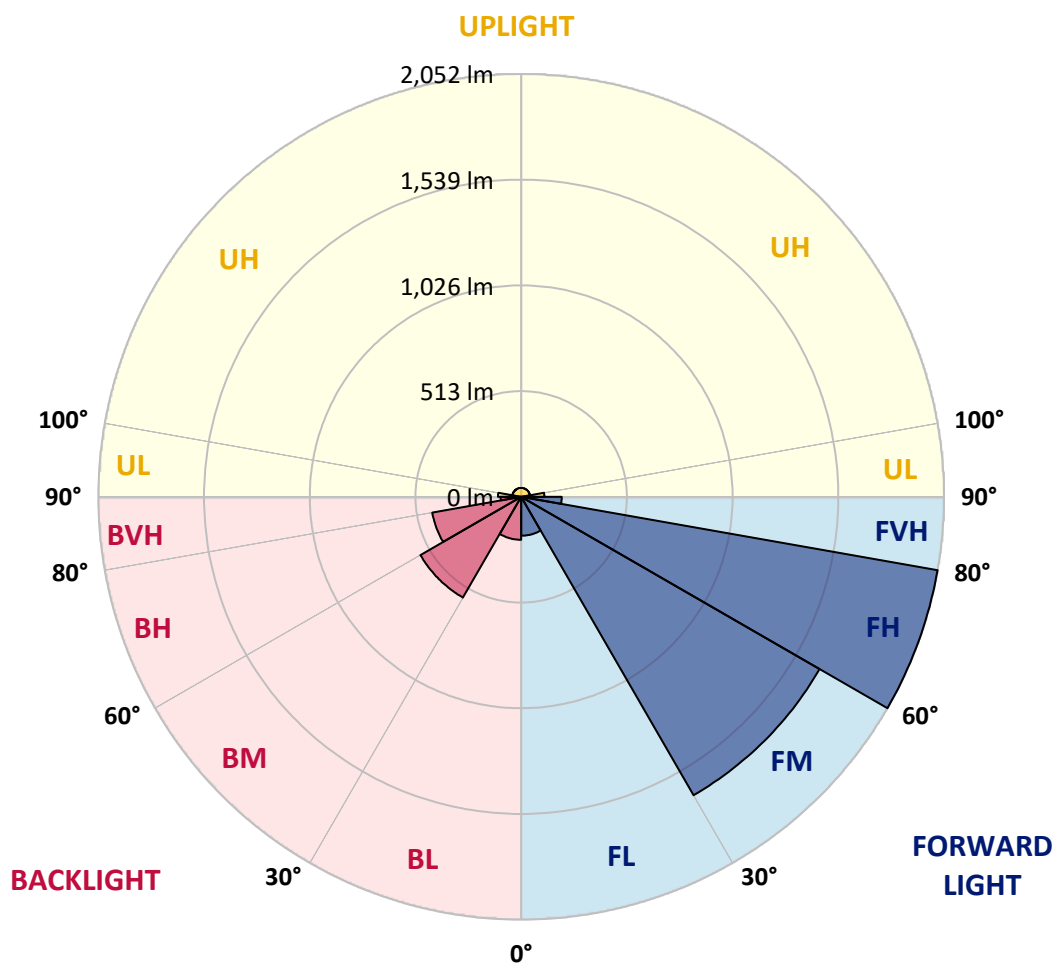
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.9	3.4			
FM	(30°-60°)	1672.1	30.0			
FH	(60°-80°)	2052.1	36.8			G2/5000
FVH	(80°-90°)	196.6	3.5			G2/225
BL	(0°-30°)	208.5	3.7	B1/500		
BM	(30°-60°)	564.7	10.1	B1/1000		
BH	(60°-80°)	438.1	7.9	B1/500		G1/500
BVH	(80°-90°)	99.8	1.8			G1/100
UL	(90°-100°)	112.5	2.0		U3/500	
UH	(100°-180°)	43.3	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1
2.5°	510.2	559.9	551.3	566.4	575.1	588.0	596.7	601.0	605.3	609.6	609.6
5°	473.4	475.6	477.8	479.9	484.3	490.7	497.2	566.4	588.0	596.7	596.7
7.5°	432.4	430.2	438.9	449.7	464.8	473.4	479.9	482.1	505.9	525.3	529.7
10°	430.2	432.4	432.4	436.7	410.8	408.6	378.3	380.5	412.9	462.6	464.8
12.5°	374.0	384.8	408.6	425.9	399.9	358.9	352.4	369.7	345.9	406.4	408.6
15°	417.2	415.1	415.1	397.8	337.2	354.5	315.6	328.6	402.1	458.3	469.1
17.5°	363.2	358.9	402.1	389.1	350.2	296.2	354.5	350.2	363.2	395.6	389.1
20°	456.2	451.8	443.2	337.2	354.5	371.8	361.0	337.2	425.9	475.6	503.7
22.5°	425.9	430.2	451.8	428.0	365.4	382.6	341.6	415.1	402.1	382.6	387.0
25°	581.5	577.2	555.6	419.4	436.7	356.7	417.2	369.7	510.2	566.4	570.7
27.5°	536.1	529.7	514.5	527.5	443.2	467.0	406.4	484.3	564.2	663.7	694.0
30°	711.3	704.8	687.5	531.8	527.5	462.6	492.9	594.5	761.0	836.6	834.5
32.5°	916.6	869.1	763.1	681.0	564.2	601.0	564.2	700.4	810.7	884.2	884.2
35°	1042.0	1033.4	977.2	791.2	657.2	655.0	648.6	771.8	895.0	946.9	942.6
37.5°	1147.9	1163.1	1122.0	916.6	741.5	758.8	726.4	869.1	998.8	1029.0	1024.7
40°	1295.0	1290.6	1269.0	1024.7	845.3	843.1	819.3	985.8	1113.4	1135.0	1124.2
42.5°	1513.3	1489.5	1424.7	1169.6	955.5	955.5	912.3	1096.1	1253.9	1256.0	1262.5
45°	1781.4	1770.6	1656.0	1394.4	1098.2	1096.1	1024.7	1212.8	1396.6	1407.4	1387.9
47.5°	1967.3	1934.9	1878.7	1599.8	1318.7	1269.0	1160.9	1327.4	1567.3	1558.7	1519.8
50°	2151.0	2125.1	2073.2	1824.6	1547.9	1448.4	1288.5	1446.3	1731.6	1707.9	1671.1
52.5°	2308.9	2274.3	2218.1	2008.4	1748.9	1671.1	1435.5	1554.4	1898.1	1859.2	1824.6
55°	2399.7	2328.3	2332.6	2172.7	1900.3	1837.6	1599.8	1729.5	2060.2	2004.0	1975.9
57.5°	2287.2	2282.9	2354.3	2274.3	2038.6	1975.9	1774.9	1904.6	2228.9	2155.4	2142.4
60°	2174.8	2187.8	2289.4	2304.5	2146.7	2101.3	1926.2	2153.2	2393.2	2313.2	2313.2
62.5°	2019.2	2055.9	2198.6	2315.3	2157.5	2224.5	2084.0	2365.1	2572.6	2499.1	2522.9
65°	1841.9	1841.9	2006.2	2226.7	2122.9	2306.7	2259.1	2596.4	2730.4	2687.2	2736.9
67.5°	1599.8	1604.1	1774.9	2053.8	2060.2	2347.8	2399.7	2778.0	2894.7	2862.3	2899.0
70°	1357.6	1359.8	1502.5	1816.0	1921.9	2332.6	2520.7	2899.0	2974.7	2979.0	2996.3
72.5°	1016.1	1052.8	1186.9	1474.4	1681.9	2269.9	2583.4	2933.6	2972.6	2979.0	2922.8
75°	546.9	564.2	713.4	959.9	1249.6	2012.7	2564.0	2896.9	2868.8	2793.1	2646.1
77.5°	190.2	198.9	250.8	419.4	709.1	1424.7	2378.0	2736.9	2646.1	2408.3	2192.1
80°	123.2	123.2	136.2	201.1	322.1	674.5	1846.2	2345.6	2131.6	1623.6	1422.5
82.5°	86.5	88.6	99.4	134.0	207.5	289.7	959.9	1191.2	1173.9	808.5	681.0
85°	62.7	64.9	69.2	77.8	142.7	179.4	374.0	572.9	529.7	289.7	272.4
87.5°	28.1	32.4	28.1	34.6	56.2	110.3	179.4	177.3	168.6	192.4	196.7
90°	21.6	21.6	17.3	19.5	38.9	99.4	166.5	160.0	170.8	209.7	207.5
92.5°	21.6	21.6	17.3	19.5	36.8	99.4	175.1	155.7	177.3	224.8	227.0
95°	21.6	23.8	17.3	17.3	30.3	101.6	185.9	166.5	188.1	244.3	244.3
97.5°	19.5	19.5	13.0	15.1	23.8	93.0	185.9	142.7	138.4	196.7	194.6
100°	15.1	17.3	8.6	13.0	17.3	56.2	138.4	88.6	38.9	45.4	69.2
102.5°	15.1	15.1	8.6	10.8	13.0	23.8	73.5	51.9	10.8	15.1	15.1
105°	15.1	17.3	8.6	8.6	8.6	10.8	34.6	25.9	8.6	13.0	15.1
107.5°	17.3	17.3	6.5	6.5	6.5	6.5	13.0	10.8	8.6	15.1	17.3
110°	17.3	17.3	6.5	6.5	4.3	4.3	6.5	6.5	8.6	15.1	17.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	15.1	15.1	6.5	6.5	4.3	4.3	4.3	6.5	8.6	13.0	15.1
115°	10.8	10.8	4.3	6.5	4.3	4.3	4.3	6.5	6.5	10.8	13.0
117.5°	10.8	8.6	4.3	4.3	2.2	4.3	4.3	6.5	8.6	15.1	15.1
120°	10.8	10.8	4.3	2.2	2.2	2.2	2.2	4.3	10.8	17.3	19.5
122.5°	10.8	10.8	4.3	2.2	2.2	2.2	2.2	4.3	10.8	17.3	19.5
125°	13.0	10.8	6.5	2.2	2.2	2.2	2.2	2.2	8.6	15.1	17.3
127.5°	10.8	10.8	6.5	2.2	2.2	2.2	2.2	2.2	6.5	13.0	15.1
130°	10.8	10.8	6.5	2.2	2.2	2.2	2.2	2.2	6.5	10.8	10.8
132.5°	8.6	8.6	6.5	2.2	2.2	2.2	2.2	2.2	4.3	8.6	8.6
135°	8.6	8.6	4.3	2.2	2.2	2.2	2.2	2.2	2.2	6.5	6.5
137.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
140°	0.0	2.2	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2
150°	6.5	6.5	6.5	4.3	4.3	2.2	4.3	2.2	2.2	2.2	2.2
152.5°	6.5	6.5	8.6	4.3	2.2	2.2	2.2	4.3	2.2	2.2	2.2
155°	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5
157.5°	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
160°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1
2.5°	611.8	616.1	618.3	624.8	624.8	624.8	609.6	572.9	572.9	575.1	577.2
5°	603.2	607.5	616.1	585.9	555.6	553.4	564.2	570.7	572.9	575.1	570.7
7.5°	534.0	542.6	538.3	540.5	555.6	570.7	583.7	575.1	553.4	538.3	542.6
10°	475.6	484.3	436.7	441.0	458.3	501.6	572.9	596.7	611.8	618.3	618.3
12.5°	417.2	423.7	382.6	443.2	412.9	479.9	557.8	616.1	557.8	534.0	534.0
15°	477.8	490.7	441.0	393.5	402.1	486.4	428.0	588.0	605.3	609.6	614.0
17.5°	408.6	399.9	408.6	415.1	451.8	378.3	490.7	553.4	518.8	505.9	512.4
20°	514.5	523.2	477.8	408.6	412.9	482.1	436.7	495.1	590.2	592.3	596.7
22.5°	391.3	402.1	428.0	486.4	425.9	467.0	460.5	514.5	482.1	484.3	501.6
25°	575.1	583.7	538.3	434.5	464.8	421.6	464.8	458.3	540.5	544.8	544.8
27.5°	704.8	685.3	588.0	490.7	408.6	445.3	419.4	436.7	417.2	475.6	484.3
30°	838.8	838.8	763.1	546.9	432.4	378.3	382.6	415.1	462.6	471.3	471.3
32.5°	879.9	877.7	780.4	592.3	425.9	391.3	352.4	391.3	473.4	514.5	518.8
35°	938.2	929.6	810.7	577.2	410.8	356.7	332.9	393.5	454.0	460.5	456.2
37.5°	1011.7	990.1	847.4	549.1	376.2	335.1	320.0	354.5	406.4	406.4	406.4
40°	1102.5	1068.0	860.4	510.2	339.4	307.0	291.9	328.6	363.2	343.7	337.2
42.5°	1225.8	1173.9	871.2	482.1	307.0	283.2	263.7	298.3	315.6	304.8	300.5
45°	1340.4	1262.5	888.5	451.8	281.0	261.6	244.3	274.6	287.5	276.7	274.6
47.5°	1476.5	1372.8	890.7	423.7	261.6	244.3	231.3	257.3	265.9	265.9	263.7
50°	1617.1	1478.7	908.0	399.9	242.1	227.0	224.8	244.3	250.8	246.5	244.3
52.5°	1777.0	1597.6	914.5	369.7	218.3	207.5	218.3	231.3	250.8	252.9	252.9
55°	1947.8	1707.9	910.1	328.6	201.1	196.7	211.9	240.0	257.3	244.3	242.1
57.5°	2114.3	1818.1	912.3	283.2	183.8	192.4	214.0	250.8	263.7	248.6	242.1
60°	2263.5	1917.6	882.0	242.1	170.8	181.6	222.7	261.6	257.3	261.6	255.1
62.5°	2447.2	2021.3	795.6	216.2	160.0	177.3	222.7	268.1	250.8	268.1	268.1
65°	2598.5	2099.2	672.3	194.6	151.3	177.3	224.8	270.2	244.3	272.4	272.4
67.5°	2663.4	2097.0	486.4	177.3	140.5	172.9	224.8	278.9	250.8	281.0	278.9
70°	2637.5	2025.7	343.7	164.3	134.0	175.1	233.5	285.4	257.3	298.3	296.2
72.5°	2462.4	1857.0	248.6	153.5	125.4	166.5	240.0	294.0	263.7	324.3	324.3
75°	2168.3	1552.2	201.1	142.7	116.7	164.3	242.1	298.3	268.1	328.6	328.6
77.5°	1658.1	1115.5	168.6	131.9	108.1	160.0	240.0	304.8	265.9	328.6	328.6
80°	994.5	635.6	140.5	118.9	110.3	157.8	244.3	304.8	265.9	324.3	324.3
82.5°	458.3	291.9	125.4	99.4	103.8	155.7	248.6	300.5	255.1	324.3	311.3
85°	255.1	205.4	108.1	84.3	93.0	147.0	235.6	270.2	229.2	268.1	263.7
87.5°	190.2	160.0	69.2	43.2	60.5	103.8	181.6	214.0	172.9	207.5	205.4
90°	203.2	168.6	62.7	43.2	64.9	95.1	170.8	190.2	160.0	192.4	190.2
92.5°	218.3	177.3	62.7	45.4	73.5	103.8	170.8	185.9	157.8	175.1	177.3
95°	229.2	183.8	60.5	49.7	77.8	112.4	166.5	170.8	144.8	151.3	157.8
97.5°	179.4	138.4	54.0	51.9	75.7	90.8	136.2	134.0	99.4	93.0	93.0
100°	56.2	38.9	47.6	54.0	45.4	43.2	80.0	95.1	58.4	38.9	36.8
102.5°	17.3	15.1	43.2	51.9	34.6	19.5	43.2	60.5	43.2	6.5	8.6
105°	17.3	17.3	28.1	43.2	23.8	8.6	17.3	32.4	25.9	6.5	6.5
107.5°	17.3	15.1	10.8	23.8	8.6	6.5	8.6	8.6	8.6	6.5	6.5
110°	17.3	17.3	8.6	8.6	6.5	6.5	6.5	4.3	4.3	10.8	10.8



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CATALOG NUMBER: SDL-PA1-60-830-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.3	17.3	8.6	8.6	6.5	6.5	4.3	4.3	6.5	15.1	15.1
115°	15.1	15.1	8.6	6.5	4.3	6.5	4.3	4.3	6.5	17.3	17.3
117.5°	17.3	17.3	8.6	6.5	4.3	4.3	4.3	2.2	6.5	19.5	21.6
120°	21.6	19.5	10.8	4.3	4.3	4.3	4.3	4.3	8.6	17.3	19.5
122.5°	21.6	21.6	10.8	4.3	2.2	2.2	2.2	4.3	8.6	17.3	19.5
125°	19.5	19.5	10.8	4.3	2.2	2.2	2.2	2.2	8.6	15.1	15.1
127.5°	17.3	17.3	8.6	4.3	2.2	2.2	2.2	2.2	6.5	13.0	15.1
130°	13.0	13.0	6.5	4.3	2.2	2.2	2.2	2.2	6.5	10.8	13.0
132.5°	10.8	10.8	6.5	4.3	2.2	2.2	2.2	2.2	6.5	8.6	10.8
135°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	4.3	6.5	8.6
137.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
140°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	4.3
152.5°	2.2	2.2	2.2	4.3	2.2	0.0	0.0	4.3	4.3	6.5	6.5
155°	6.5	6.5	4.3	2.2	2.2	0.0	0.0	0.0	4.3	4.3	4.3
157.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
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)