

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: P560832

Luminaire Tested: **SDL-PA1-60-830-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
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-T4W-A
Description: Springdale
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5494.5 lumens
Efficiency: N/A
Efficacy: 88.1 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 - 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

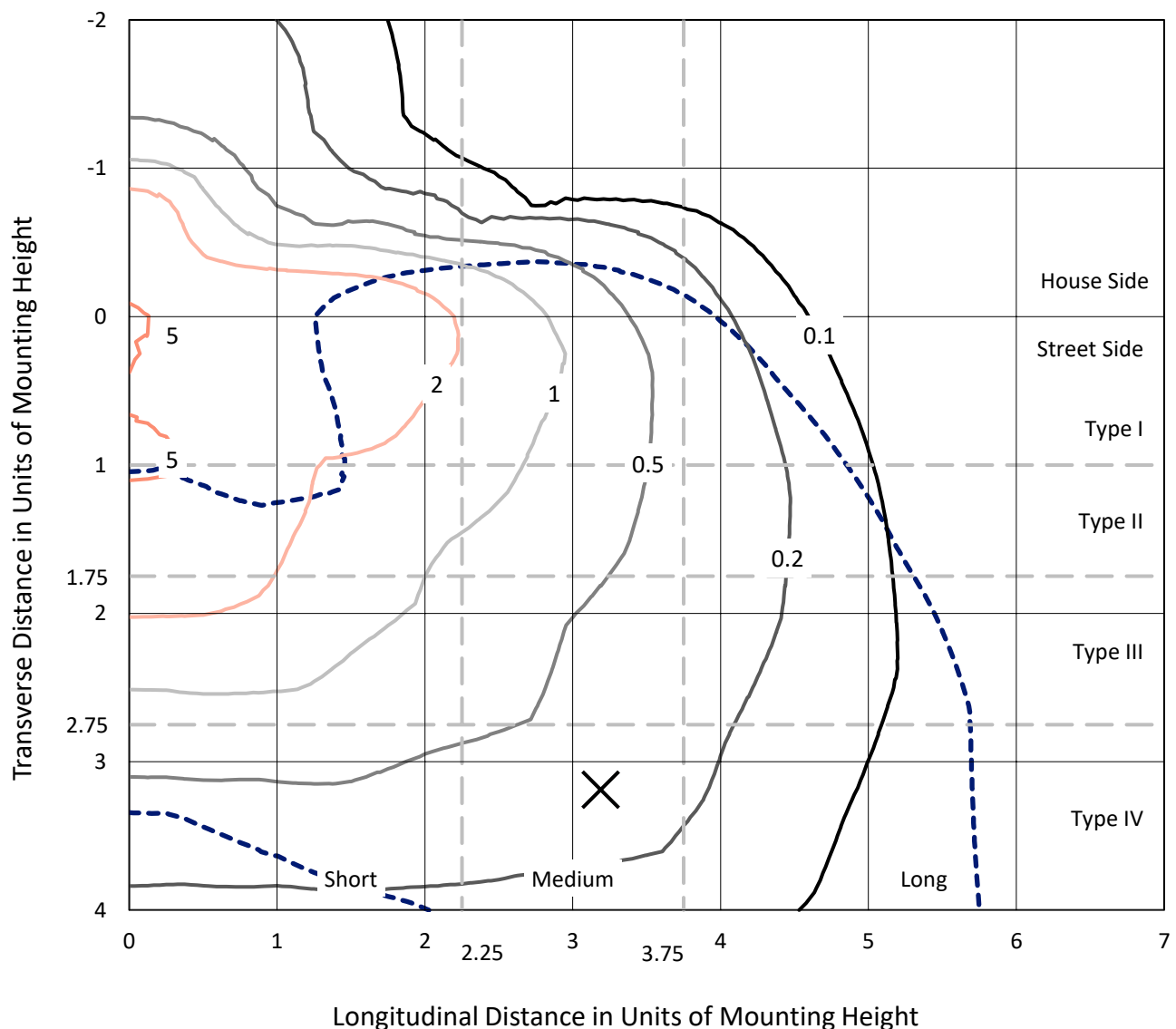


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

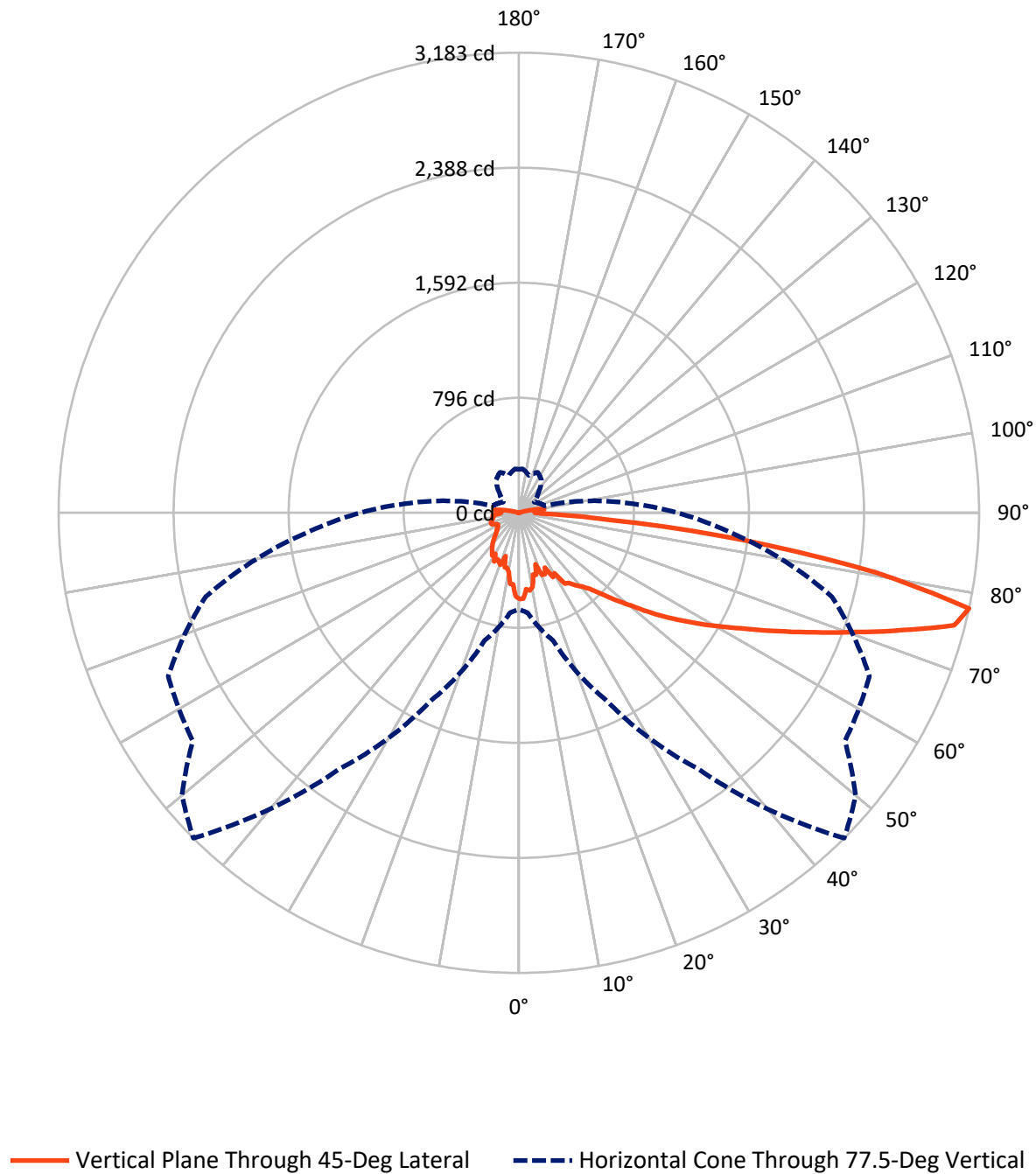


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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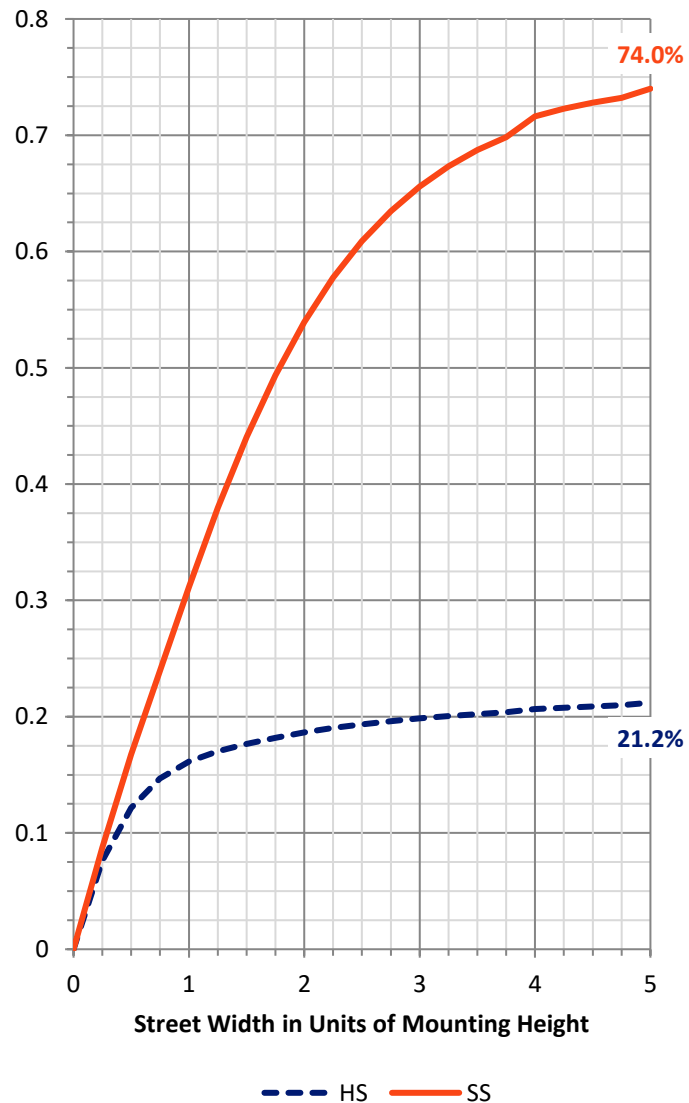
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1229.8	91.7	1321.5
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	4098.7	74.2	4173.0
	% Fixture	74.6	1.4	75.9
Total	Lumens	5328.5	166.0	5494.5
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	0.9
10°-20°	122.8	2.2
20°-30°	212.5	3.9
30°-40°	376.5	6.9
40°-50°	583.6	10.6
50°-60°	939.6	17.1
60°-70°	1381.8	25.1
70°-80°	1330.4	24.2
80°-90°	331.8	6.0
90°-100°	123.7	2.3
100°-110°	27.4	0.5
110°-120°	5.9	0.1
120°-130°	4.9	0.1
130°-140°	2.1	0.0
140°-150°	0.9	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5328.5	97.0
0°-180°	5494.5	100.0

Coefficient of Utilization



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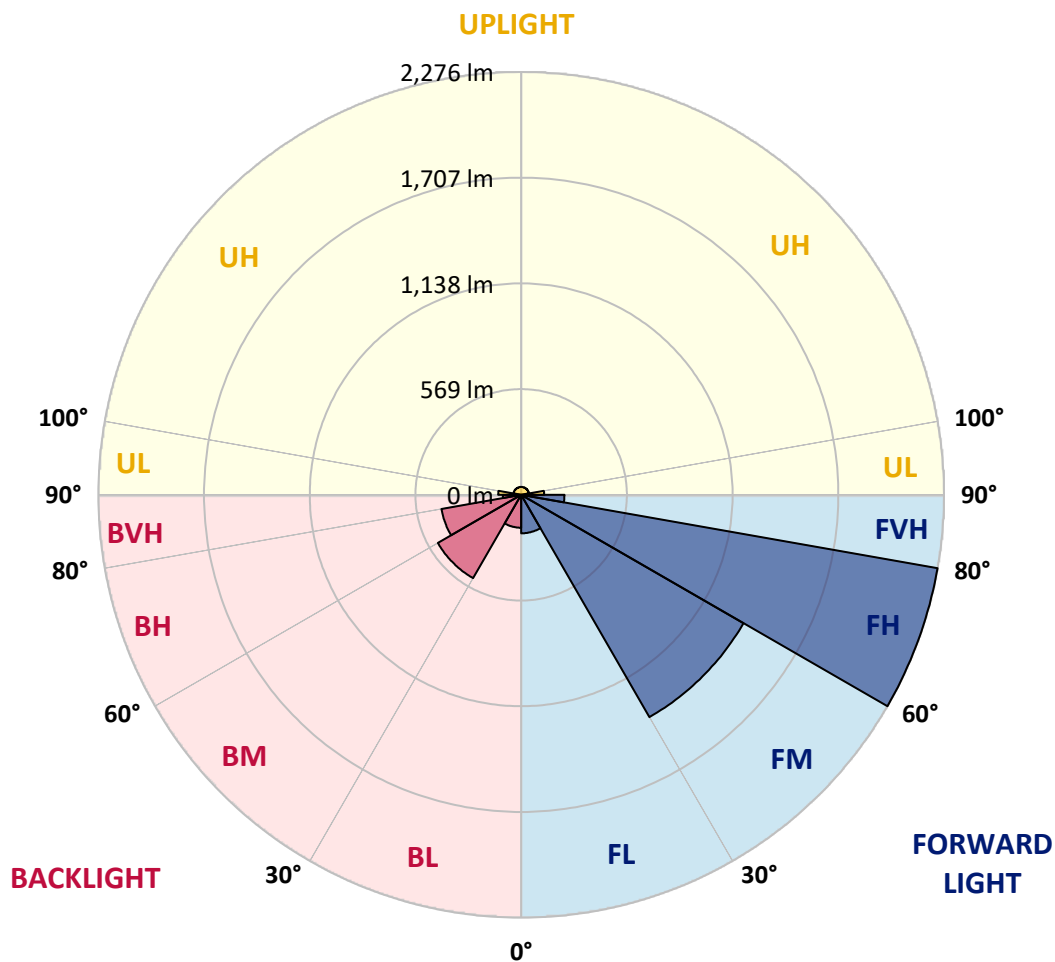
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.4	3.8			
FM	(30°-60°)	1381.9	25.2			
FH	(60°-80°)	2276.4	41.4			G2/5000
FVH	(80°-90°)	233.0	4.2			G3/500
BL	(0°-30°)	177.5	3.2	B1/500		
BM	(30°-60°)	517.8	9.4	B1/1000		
BH	(60°-80°)	435.8	7.9	B1/500		G1/500
BVH	(80°-90°)	98.7	1.8			G1/100
UL	(90°-100°)	123.7	2.3		U3/500	
UH	(100°-180°)	42.3	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5
2.5°	542.5	594.3	585.7	592.2	592.2	594.3	596.5	596.5	598.6	596.5	596.5
5°	553.3	551.1	546.8	542.5	538.1	531.6	531.6	531.6	583.5	587.8	583.5
7.5°	516.5	561.9	557.6	548.9	548.9	542.5	533.8	525.2	510.0	505.7	512.2
10°	583.5	581.4	574.9	561.9	514.4	523.0	469.0	423.6	406.3	417.1	445.2
12.5°	518.7	555.4	570.6	570.6	510.0	438.7	391.2	417.1	402.0	358.8	391.2
15°	611.6	607.3	590.0	561.9	447.4	445.2	419.3	367.4	373.9	406.3	436.6
17.5°	523.0	523.0	585.7	536.0	460.3	373.9	371.7	412.8	378.2	360.9	378.2
20°	631.1	628.9	609.5	445.2	464.7	458.2	378.2	421.4	360.9	414.9	453.8
22.5°	536.0	531.6	561.9	533.8	443.0	462.5	354.4	399.8	430.1	380.4	352.3
25°	631.1	635.4	626.7	475.5	503.6	419.3	427.9	456.0	395.5	481.9	501.4
27.5°	555.4	555.4	531.6	531.6	466.8	503.6	402.0	427.9	471.1	520.8	611.6
30°	680.8	682.9	667.8	512.2	516.5	484.1	466.8	497.1	566.2	676.4	717.5
32.5°	832.1	832.1	715.3	611.6	518.7	583.5	492.7	542.5	641.9	698.1	752.1
35°	927.1	916.3	864.5	687.3	559.7	596.5	557.6	577.0	665.6	747.8	786.7
37.5°	1063.3	1059.0	1007.1	754.3	600.8	635.4	579.2	600.8	708.9	784.5	829.9
40°	1251.3	1229.7	1184.3	871.0	650.5	670.0	605.1	631.1	760.7	832.1	886.1
42.5°	1400.4	1404.8	1372.3	1009.3	732.6	719.7	650.5	670.0	816.9	905.5	966.0
45°	1538.8	1534.4	1540.9	1175.7	834.2	799.6	730.5	732.6	888.2	996.3	1078.4
47.5°	1633.8	1631.7	1646.8	1331.3	963.9	901.2	819.1	810.4	970.4	1151.9	1231.9
50°	1748.4	1741.9	1733.3	1497.7	1110.8	1011.4	935.8	905.5	1076.3	1327.0	1426.4
52.5°	1888.9	1873.7	1845.6	1627.4	1272.9	1151.9	1067.6	1026.6	1218.9	1523.6	1651.1
55°	2022.9	2001.3	1977.5	1772.2	1422.1	1292.4	1201.6	1177.8	1404.8	1726.8	1891.0
57.5°	2154.7	2143.9	2124.4	1964.5	1612.2	1439.3	1337.8	1333.4	1620.9	1923.4	2148.2
60°	2277.9	2260.6	2286.5	2172.0	1789.5	1594.9	1486.9	1519.3	1858.6	2120.1	2433.5
62.5°	2353.5	2347.0	2403.2	2362.2	1953.7	1767.8	1657.6	1713.8	2087.7	2312.5	2686.3
65°	2241.1	2258.4	2481.0	2481.0	2143.9	1973.2	1865.1	1899.7	2303.8	2507.0	2917.6
67.5°	2035.8	2059.6	2362.2	2548.0	2314.6	2204.4	2092.0	2111.5	2496.2	2664.7	3105.6
70°	1860.8	1878.1	2159.0	2552.4	2422.7	2472.4	2310.3	2293.0	2645.3	2796.6	3174.8
72.5°	1707.3	1731.1	1962.3	2526.4	2528.6	2777.1	2569.6	2465.9	2781.4	2846.3	2954.3
75°	1352.9	1342.1	1603.6	2221.7	2563.2	3109.9	2874.4	2658.2	2848.4	2675.5	2316.8
77.5°	665.6	693.7	914.2	1430.7	2163.3	3183.4	3040.8	2753.3	2675.5	2241.1	1445.8
80°	196.7	203.2	255.0	512.2	1242.7	2507.0	2511.3	2277.9	2012.1	1309.7	652.7
82.5°	110.2	112.4	147.0	222.6	510.0	1588.5	1653.3	1368.0	890.4	484.1	326.3
85°	58.4	60.5	75.6	116.7	259.3	633.2	672.1	523.0	430.1	315.5	239.9
87.5°	28.1	28.1	25.9	38.9	95.1	153.4	170.7	194.5	172.9	162.1	198.8
90°	23.8	23.8	19.5	21.6	51.9	110.2	134.0	149.1	136.2	149.1	218.3
92.5°	25.9	25.9	19.5	21.6	56.2	123.2	147.0	166.4	144.8	159.9	242.1
95°	23.8	25.9	17.3	19.5	56.2	151.3	177.2	181.5	149.1	175.1	259.3
97.5°	19.5	19.5	13.0	15.1	49.7	177.2	194.5	188.0	131.8	134.0	207.5
100°	15.1	15.1	8.6	13.0	34.6	142.6	166.4	157.8	86.4	21.6	51.9
102.5°	13.0	13.0	6.5	10.8	15.1	69.2	88.6	86.4	51.9	13.0	10.8
105°	13.0	13.0	6.5	8.6	8.6	19.5	30.3	38.9	21.6	6.5	10.8
107.5°	13.0	13.0	6.5	4.3	4.3	8.6	10.8	10.8	10.8	6.5	13.0
110°	15.1	15.1	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	13.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	13.0	13.0	4.3	4.3	2.2	4.3	4.3	4.3	4.3	6.5	13.0
115°	10.8	10.8	2.2	4.3	2.2	2.2	4.3	2.2	4.3	4.3	10.8
117.5°	10.8	8.6	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5	13.0
120°	10.8	10.8	4.3	2.2	2.2	2.2	2.2	2.2	4.3	8.6	15.1
122.5°	10.8	10.8	4.3	2.2	0.0	2.2	2.2	2.2	4.3	8.6	17.3
125°	13.0	10.8	4.3	2.2	0.0	0.0	2.2	2.2	2.2	8.6	15.1
127.5°	10.8	8.6	4.3	2.2	0.0	0.0	2.2	2.2	2.2	6.5	13.0
130°	10.8	8.6	4.3	0.0	0.0	0.0	2.2	2.2	2.2	6.5	10.8
132.5°	8.6	6.5	4.3	0.0	0.0	0.0	2.2	2.2	2.2	4.3	8.6
135°	6.5	6.5	2.2	0.0	2.2	0.0	2.2	2.2	2.2	2.2	6.5
137.5°	4.3	4.3	2.2	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
140°	2.2	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
142.5°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2
145°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	6.5	6.5	6.5	4.3	2.2	2.2	2.2	4.3	2.2	2.2	2.2
152.5°	6.5	6.5	6.5	4.3	0.0	0.0	2.2	2.2	4.3	2.2	2.2
155°	4.3	4.3	4.3	0.0	0.0	0.0	2.2	2.2	2.2	4.3	4.3
157.5°	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	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°	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5
2.5°	594.3	592.2	590.0	587.8	583.5	579.2	568.4	523.0	523.0	525.2	525.2
5°	583.5	581.4	574.9	533.8	510.0	497.1	501.4	501.4	501.4	503.6	507.9
7.5°	510.0	507.9	477.6	475.5	484.1	494.9	501.4	490.6	469.0	469.0	469.0
10°	445.2	443.0	389.0	378.2	389.0	414.9	481.9	494.9	503.6	505.7	510.0
12.5°	389.0	382.5	335.0	369.6	345.8	389.0	449.5	499.2	453.8	445.2	445.2
15°	432.2	430.1	373.9	324.2	326.3	389.0	356.6	469.0	494.9	499.2	501.4
17.5°	378.2	373.9	343.6	341.5	360.9	313.4	395.5	447.4	425.8	432.2	432.2
20°	451.7	449.5	393.3	326.3	322.0	382.5	350.1	406.3	484.1	499.2	501.4
22.5°	350.1	350.1	360.9	382.5	347.9	365.2	373.9	430.1	414.9	423.6	449.5
25°	497.1	492.7	436.6	343.6	373.9	352.3	391.2	408.5	479.8	497.1	501.4
27.5°	603.0	592.2	469.0	386.9	337.1	378.2	376.0	395.5	406.3	473.3	481.9
30°	711.0	700.2	603.0	434.4	350.1	326.3	358.8	423.6	488.4	499.2	507.9
32.5°	749.9	741.3	615.9	460.3	352.3	347.9	356.6	423.6	536.0	579.2	587.8
35°	791.0	780.2	628.9	449.5	343.6	324.2	337.1	436.6	533.8	561.9	568.4
37.5°	840.7	821.2	644.0	427.9	319.9	306.9	322.0	397.7	507.9	536.0	540.3
40°	903.4	883.9	663.5	404.1	296.1	285.3	293.9	369.6	445.2	469.0	479.8
42.5°	998.5	961.7	672.1	384.7	274.5	263.7	272.3	332.8	391.2	406.3	412.8
45°	1121.7	1056.8	685.1	358.8	255.0	239.9	252.9	304.7	332.8	332.8	332.8
47.5°	1272.9	1169.2	691.6	337.1	231.2	218.3	231.2	276.6	291.8	283.1	281.0
50°	1458.8	1311.8	724.0	311.2	211.8	201.0	222.6	244.2	250.7	255.0	255.0
52.5°	1677.1	1476.1	743.4	285.3	198.8	192.3	214.0	229.1	231.2	235.6	235.6
55°	1914.8	1655.5	754.3	261.5	190.2	181.5	205.3	220.4	220.4	224.8	224.8
57.5°	2161.2	1862.9	782.3	244.2	181.5	172.9	196.7	222.6	214.0	222.6	224.8
60°	2420.5	2055.3	758.6	226.9	168.6	166.4	198.8	237.7	235.6	246.4	248.5
62.5°	2664.7	2208.7	652.7	211.8	159.9	168.6	222.6	268.0	261.5	278.8	278.8
65°	2803.0	2260.6	479.8	203.2	153.4	181.5	246.4	298.2	276.6	285.3	281.0
67.5°	2833.3	2208.7	345.8	192.3	151.3	203.2	263.7	304.7	274.5	283.1	283.1
70°	2762.0	2087.7	278.8	183.7	149.1	205.3	268.0	304.7	276.6	296.1	291.8
72.5°	2440.0	1776.5	237.7	175.1	149.1	201.0	274.5	306.9	283.1	315.5	309.0
75°	1839.2	1329.1	209.6	166.4	140.5	194.5	278.8	309.0	274.5	309.0	304.7
77.5°	1093.6	758.6	185.9	155.6	129.7	188.0	274.5	309.0	268.0	304.7	300.4
80°	462.5	356.6	157.8	136.2	118.9	179.4	270.1	306.9	257.2	296.1	289.6
82.5°	291.8	242.1	134.0	112.4	116.7	177.2	272.3	302.6	252.9	298.2	276.6
85°	235.6	198.8	114.5	95.1	108.1	181.5	261.5	274.5	218.3	257.2	250.7
87.5°	198.8	166.4	51.9	41.1	80.0	140.5	198.8	205.3	157.8	201.0	192.3
90°	218.3	181.5	49.7	34.6	71.3	123.2	183.7	179.4	151.3	192.3	190.2
92.5°	237.7	192.3	47.5	36.7	80.0	134.0	201.0	181.5	159.9	194.5	192.3
95°	246.4	196.7	45.4	38.9	95.1	147.0	214.0	177.2	168.6	179.4	177.2
97.5°	185.9	142.6	43.2	41.1	99.4	166.4	201.0	149.1	110.2	110.2	108.1
100°	47.5	47.5	38.9	38.9	67.0	121.0	153.4	110.2	62.7	47.5	49.7
102.5°	13.0	15.1	34.6	36.7	36.7	54.0	86.4	71.3	41.1	6.5	6.5
105°	13.0	13.0	23.8	28.1	19.5	17.3	34.6	38.9	30.3	4.3	6.5
107.5°	13.0	13.0	10.8	15.1	6.5	8.6	8.6	10.8	10.8	4.3	4.3
110°	15.1	13.0	6.5	6.5	4.3	4.3	4.3	4.3	4.3	8.6	8.6



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CATALOG NUMBER: SDL-PA1-60-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

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