

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: P560824

Luminaire Tested: **SDL-PA1-60-830-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560824
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-PA1-60-830-U-T2U-A
Description: Springdale
(1) 80 CRI, 3000K, 800mA 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: 5660.9 lumens
Efficiency: N/A
Efficacy: 90.7 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): 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



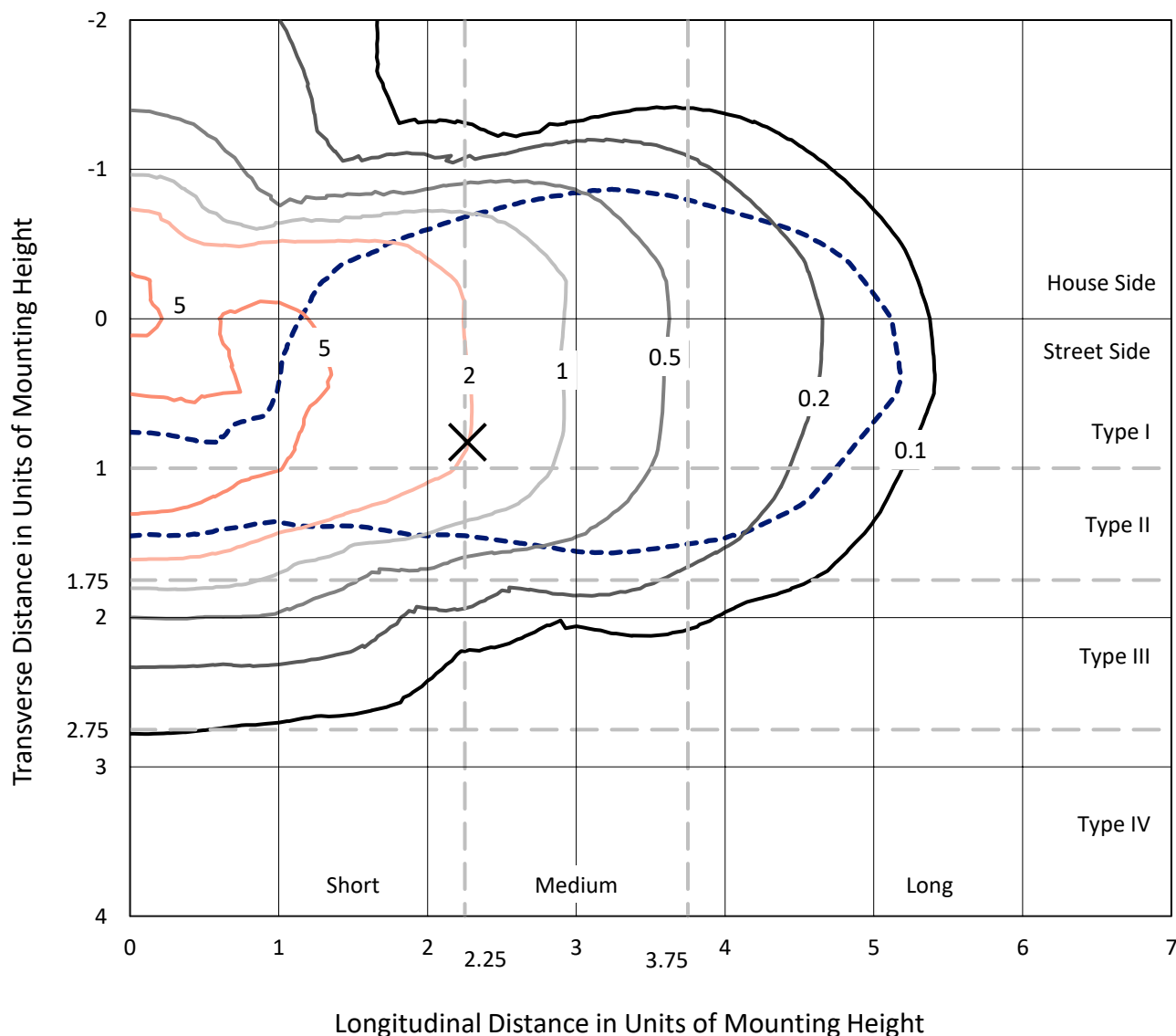
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

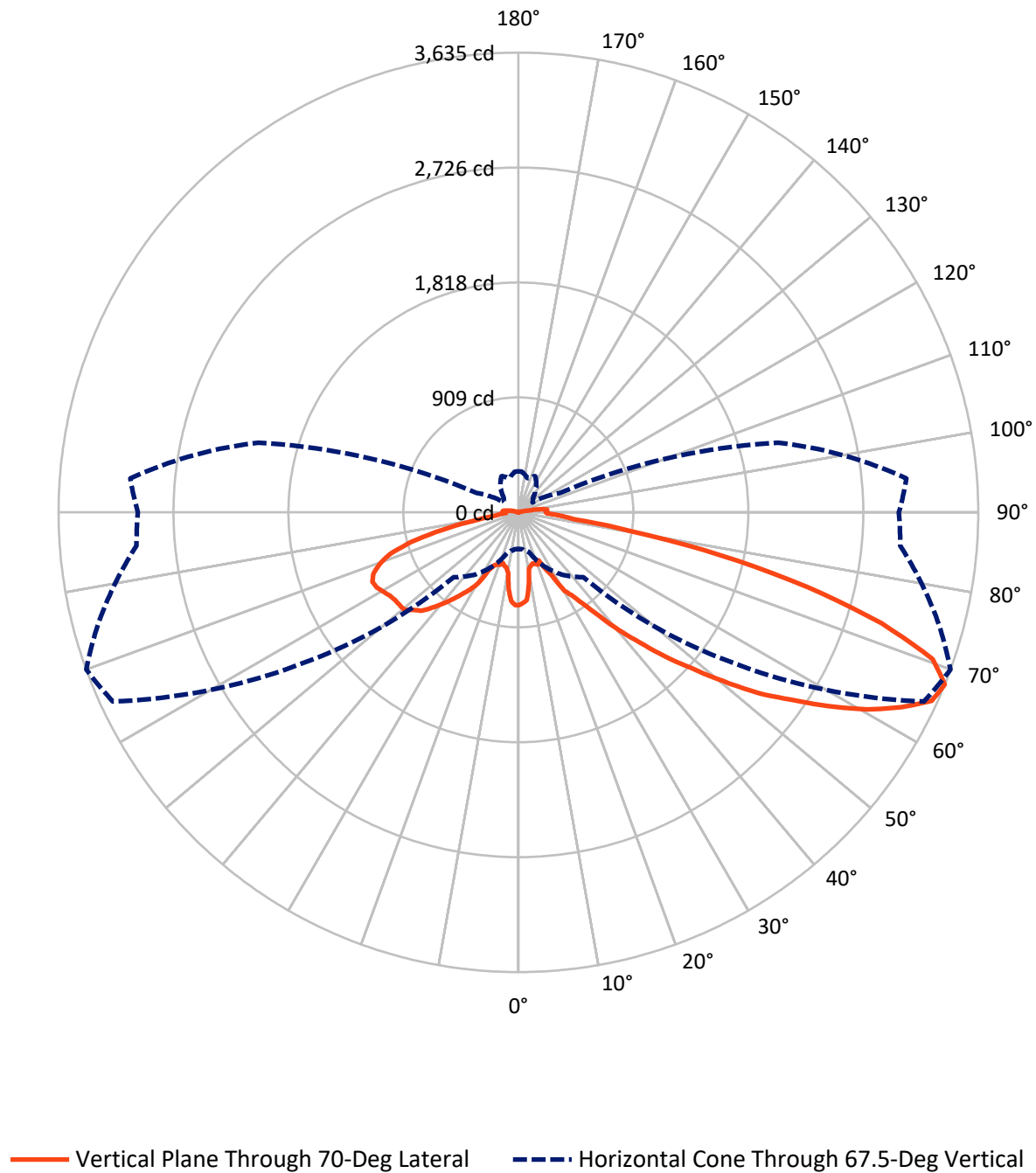


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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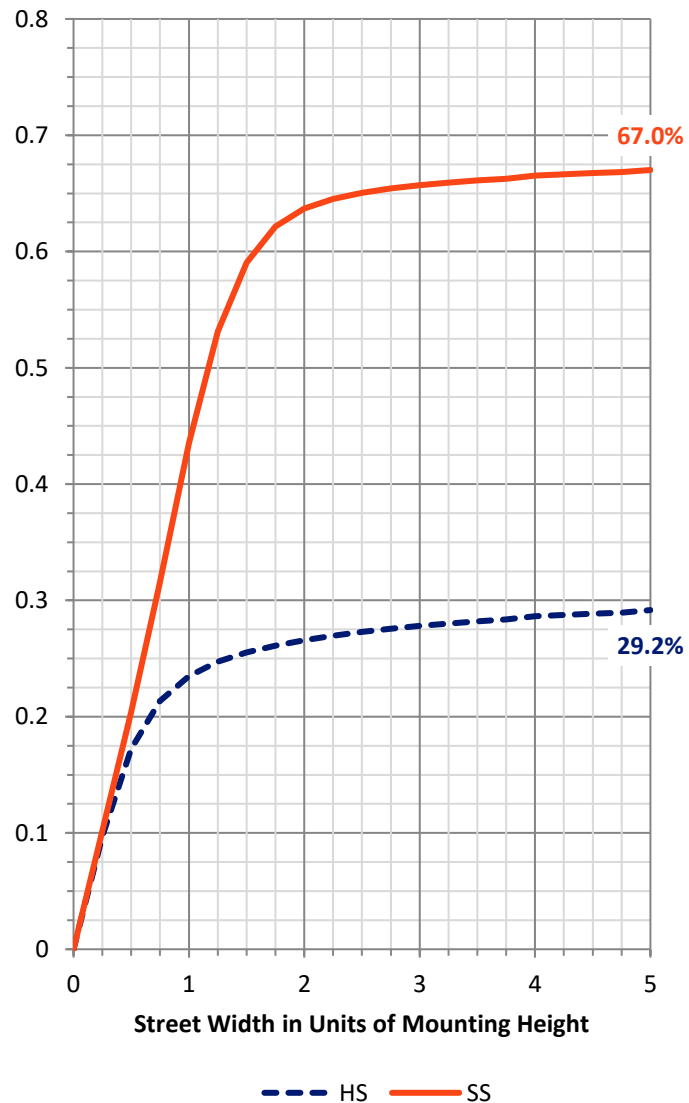
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1702.6	66.8	1769.4
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	3826.9	64.6	3891.5
	% Fixture	67.6	1.1	68.7
Total	Lumens	5529.6	131.4	5660.9
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.0
10°-20°	135.8	2.4
20°-30°	240.9	4.3
30°-40°	507.7	9.0
40°-50°	949.1	16.8
50°-60°	1314.5	23.2
60°-70°	1267.5	22.4
70°-80°	833.3	14.7
80°-90°	222.1	3.9
90°-100°	91.1	1.6
100°-110°	19.9	0.4
110°-120°	8.6	0.2
120°-130°	6.2	0.1
130°-140°	2.8	0.0
140°-150°	1.5	0.0
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5529.6	97.7
0°-180°	5660.9	100.0

Coefficient of Utilization



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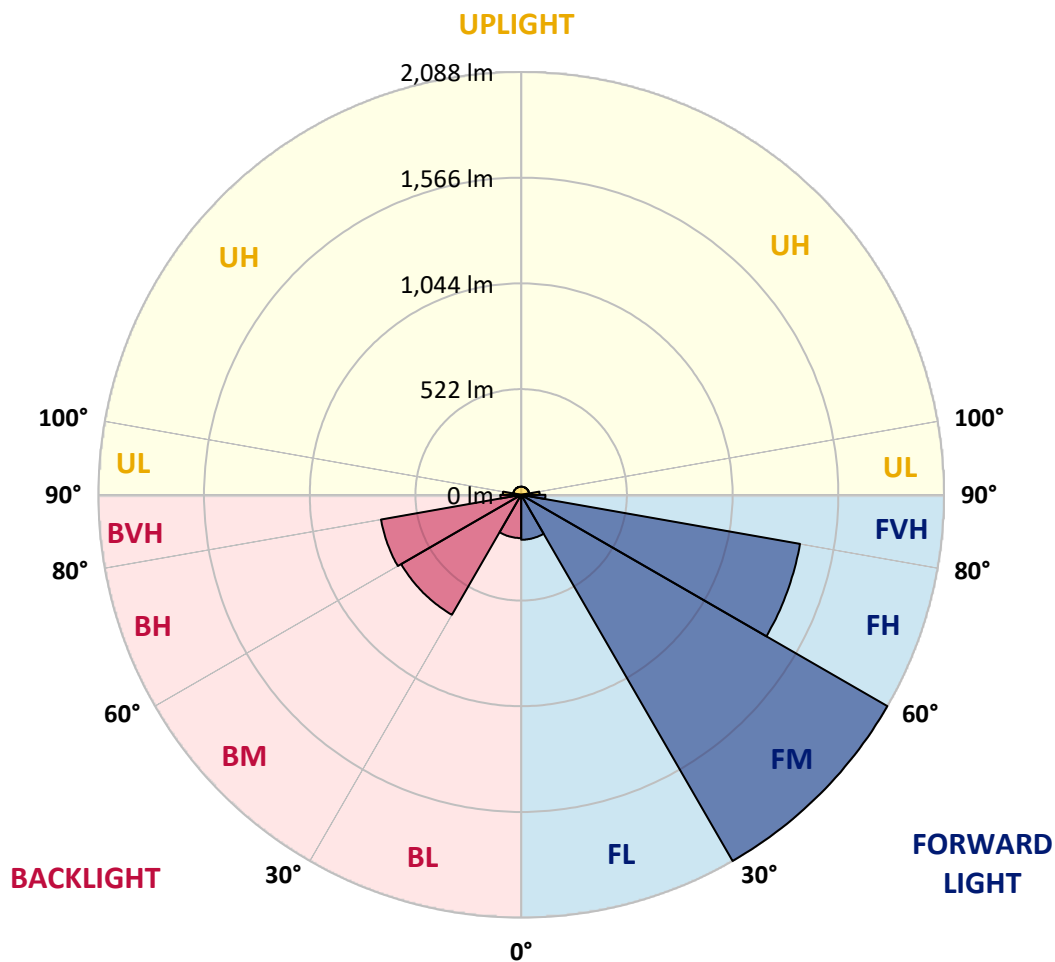
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.8	3.9			
FM	(30°-60°)	2087.7	36.9			
FH	(60°-80°)	1397.9	24.7			G1/1800
FVH	(80°-90°)	119.5	2.1			G2/225
BL	(0°-30°)	213.6	3.8	B1/500		
BM	(30°-60°)	683.6	12.1	B1/1000		
BH	(60°-80°)	702.9	12.4	B2/1000		G2/1000
BVH	(80°-90°)	102.6	1.8			G2/225
UL	(90°-100°)	91.1	1.6		U3/500	
UH	(100°-180°)	40.3	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°	732.6	732.6	732.6	732.6	732.6	732.6	732.6	732.6	732.6	732.6	732.6
2.5°	611.6	661.3	646.2	693.7	704.5	715.3	717.5	719.6	717.5	719.6	724.0
5°	577.0	579.2	581.3	585.7	585.7	590.0	598.6	689.4	698.0	704.5	713.2
7.5°	481.9	503.5	544.6	559.7	566.2	574.9	579.2	579.2	587.8	609.4	624.6
10°	536.0	531.6	533.8	536.0	505.7	499.2	453.8	447.3	453.8	469.0	540.3
12.5°	449.5	471.1	516.5	527.3	490.6	434.4	427.9	436.5	434.4	391.2	458.2
15°	520.8	518.7	514.3	505.7	410.6	430.1	369.5	373.9	419.3	449.5	512.2
17.5°	453.8	451.7	512.2	494.9	432.2	335.0	421.4	391.2	427.9	395.5	423.6
20°	564.0	561.9	555.4	412.8	440.9	445.2	408.4	378.2	440.9	456.0	514.3
22.5°	512.2	512.2	553.2	542.4	447.3	471.1	389.0	460.3	412.8	419.3	389.0
25°	704.5	698.0	689.4	503.5	538.1	432.2	481.9	423.6	492.7	533.8	559.7
27.5°	682.9	669.9	661.3	667.8	540.3	566.2	477.6	527.3	568.4	585.7	652.7
30°	959.5	942.2	916.3	700.2	672.1	579.2	577.0	652.7	719.6	773.7	810.4
32.5°	1223.2	1227.5	1093.5	940.1	743.4	773.7	687.2	765.0	786.6	842.8	864.4
35°	1569.0	1525.7	1441.5	1173.5	905.5	875.2	799.6	873.1	894.7	948.7	961.7
37.5°	1841.3	1843.4	1713.8	1411.2	1084.9	1058.9	927.1	1002.8	1041.7	1102.2	1080.6
40°	2102.8	2113.6	2009.8	1655.4	1311.8	1240.5	1080.6	1169.2	1223.2	1259.9	1223.2
42.5°	2336.2	2334.0	2262.7	1925.5	1523.6	1482.5	1242.6	1357.2	1404.7	1439.3	1411.2
45°	2519.9	2513.4	2448.5	2146.0	1774.3	1830.5	1454.4	1573.3	1623.0	1661.9	1592.7
47.5°	2582.5	2547.9	2519.9	2305.9	2007.7	2137.3	1715.9	1782.9	1841.3	1908.3	1795.9
50°	2515.5	2470.1	2481.0	2381.5	2204.3	2394.5	1996.9	2025.0	2096.3	2154.6	1988.2
52.5°	2236.7	2225.9	2286.5	2305.9	2288.6	2591.2	2312.4	2232.4	2372.9	2379.4	2187.0
55°	1869.4	1856.4	1999.0	2079.0	2208.7	2669.0	2580.4	2524.2	2614.9	2604.1	2364.3
57.5°	1506.3	1497.6	1627.3	1759.1	1983.9	2625.7	2768.4	2844.0	2889.4	2828.9	2528.5
60°	1009.2	1026.5	1249.1	1426.3	1623.0	2366.4	2839.7	3142.3	3163.9	3034.2	2701.4
62.5°	644.0	667.8	810.4	1100.0	1212.4	1921.2	2787.8	3408.1	3395.1	3220.1	2861.3
65°	412.8	421.4	490.6	745.6	868.8	1272.9	2556.6	3589.6	3591.8	3386.5	2988.8
67.5°	289.6	291.7	324.2	464.6	600.8	724.0	2079.0	3537.7	3635.0	3442.6	3029.9
70°	259.3	261.5	270.1	315.5	456.0	449.5	1259.9	3161.7	3475.1	3369.2	2967.2
72.5°	231.2	233.4	248.5	274.5	350.1	352.3	602.9	2517.7	3003.9	3107.7	2781.3
75°	192.3	196.7	213.9	257.2	270.1	296.1	404.1	1769.9	2364.3	2677.6	2560.9
77.5°	162.1	164.2	177.2	218.3	235.6	239.9	345.8	981.1	1633.8	1970.9	2256.2
80°	129.7	129.7	140.5	172.9	194.5	196.7	309.0	518.7	905.5	1192.9	1569.0
82.5°	84.3	86.4	99.4	129.7	144.8	194.5	274.5	378.2	443.0	574.9	713.2
85°	54.0	54.0	62.7	73.5	86.4	149.1	242.0	313.4	330.6	360.9	324.2
87.5°	25.9	25.9	23.8	28.1	32.4	56.2	168.6	222.6	224.8	220.4	237.7
90°	21.6	21.6	17.3	19.4	21.6	30.3	127.5	218.3	216.1	224.8	246.4
92.5°	23.8	23.8	17.3	19.4	21.6	25.9	92.9	220.4	226.9	237.7	261.5
95°	25.9	25.9	17.3	17.3	19.4	23.8	58.3	190.2	229.1	239.9	270.1
97.5°	23.8	23.8	13.0	15.1	17.3	21.6	36.7	142.6	179.4	188.0	213.9
100°	21.6	21.6	10.8	13.0	15.1	17.3	23.8	73.5	77.8	58.3	82.1
102.5°	19.4	21.6	8.6	10.8	10.8	10.8	15.1	34.6	34.6	19.4	21.6
105°	19.4	21.6	8.6	8.6	6.5	8.6	8.6	13.0	15.1	10.8	17.3
107.5°	21.6	21.6	8.6	8.6	6.5	6.5	6.5	8.6	10.8	8.6	17.3
110°	19.4	19.4	6.5	8.6	4.3	4.3	4.3	6.5	8.6	8.6	19.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	13.0	13.0	6.5	8.6	4.3	4.3	4.3	6.5	8.6	10.8	23.8
115°	10.8	8.6	4.3	6.5	4.3	4.3	4.3	6.5	6.5	8.6	19.4
117.5°	10.8	8.6	4.3	4.3	2.2	4.3	4.3	6.5	6.5	8.6	17.3
120°	10.8	10.8	4.3	2.2	2.2	2.2	2.2	4.3	6.5	10.8	19.4
122.5°	13.0	10.8	4.3	4.3	2.2	2.2	2.2	4.3	6.5	10.8	19.4
125°	13.0	13.0	6.5	4.3	2.2	2.2	2.2	4.3	6.5	8.6	17.3
127.5°	13.0	10.8	6.5	4.3	2.2	2.2	2.2	2.2	4.3	6.5	15.1
130°	10.8	10.8	6.5	2.2	2.2	2.2	2.2	2.2	4.3	4.3	10.8
132.5°	8.6	8.6	6.5	2.2	2.2	2.2	2.2	2.2	2.2	4.3	8.6
135°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	6.5
137.5°	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
140°	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	0.0	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	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2
150°	4.3	4.3	8.6	6.5	4.3	2.2	4.3	2.2	2.2	2.2	2.2
152.5°	6.5	6.5	8.6	6.5	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°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	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°	732.6	732.6	732.6	732.6	732.6	732.6	732.6	732.6	732.6	732.6	732.6
2.5°	726.1	726.1	732.6	734.8	732.6	730.5	717.5	678.6	654.8	657.0	657.0
5°	715.3	717.5	724.0	685.1	637.5	641.8	648.3	650.5	650.5	654.8	654.8
7.5°	631.0	633.2	615.9	622.4	637.5	648.3	652.7	641.8	607.3	594.3	594.3
10°	546.8	546.8	486.2	488.4	505.7	538.1	639.7	650.5	661.3	663.5	661.3
12.5°	462.5	464.6	414.9	477.6	456.0	514.3	590.0	652.7	602.9	553.2	559.7
15°	516.5	520.8	466.8	410.6	421.4	507.9	440.9	605.1	609.4	609.4	609.4
17.5°	414.9	438.7	412.8	423.6	466.8	382.5	499.2	553.2	507.9	494.9	494.9
20°	516.5	516.5	471.1	408.4	432.2	497.1	443.0	492.7	579.2	579.2	577.0
22.5°	384.7	384.7	412.8	473.3	434.4	490.6	469.0	510.0	460.3	460.3	473.3
25°	555.4	548.9	501.4	419.3	494.9	453.8	471.1	445.2	520.8	527.3	523.0
27.5°	669.9	665.6	538.1	481.9	464.6	484.1	423.6	414.9	399.8	460.3	453.8
30°	793.1	782.3	704.5	581.3	510.0	408.4	382.5	397.6	440.9	443.0	440.9
32.5°	851.5	827.7	741.3	695.9	520.8	421.4	343.6	354.4	438.7	464.6	464.6
35°	931.4	905.5	808.3	758.5	518.7	371.7	304.7	343.6	395.5	397.6	397.6
37.5°	1041.7	1002.8	920.6	795.3	484.1	328.5	280.9	304.7	341.5	352.3	356.6
40°	1169.2	1119.5	1046.0	819.1	434.4	276.6	250.7	280.9	309.0	300.4	300.4
42.5°	1348.5	1275.1	1169.2	855.8	371.7	244.2	229.1	257.2	276.6	280.9	278.8
45°	1517.1	1426.3	1314.0	868.8	302.6	220.4	213.9	244.2	263.7	257.2	257.2
47.5°	1707.3	1592.7	1422.0	838.5	248.5	207.5	213.9	235.6	244.2	255.0	255.0
50°	1895.3	1772.1	1579.8	791.0	220.4	198.8	213.9	226.9	244.2	250.7	248.5
52.5°	2066.0	1958.0	1674.9	706.7	205.3	192.3	207.5	226.9	248.5	259.3	259.3
55°	2251.9	2141.7	1761.3	631.0	192.3	179.4	213.9	235.6	242.0	248.5	248.5
57.5°	2392.3	2305.9	1856.4	564.0	183.7	179.4	218.3	246.4	244.2	250.7	250.7
60°	2563.1	2487.4	1942.8	531.6	170.7	170.7	226.9	265.8	248.5	268.0	268.0
62.5°	2744.6	2699.2	2027.1	507.9	157.8	166.4	229.1	280.9	257.2	287.4	289.6
65°	2919.7	2928.3	2104.9	451.7	147.0	166.4	233.4	300.4	265.8	304.7	309.0
67.5°	3008.3	3079.6	2126.5	363.1	136.1	164.2	246.4	315.5	278.8	322.0	324.2
70°	2991.0	3083.9	2076.8	268.0	127.5	172.9	265.8	328.5	285.3	343.6	343.6
72.5°	2839.7	2906.7	1929.9	203.1	118.9	166.4	270.1	332.8	289.6	378.2	378.2
75°	2625.7	2556.6	1588.4	168.6	112.4	166.4	263.7	328.5	285.3	369.5	367.4
77.5°	2277.8	2046.6	1095.7	149.1	105.9	159.9	246.4	319.8	272.3	343.6	347.9
80°	1460.9	1259.9	559.7	129.7	112.4	153.4	237.7	296.1	252.8	306.9	309.0
82.5°	665.6	559.7	255.0	114.5	110.2	138.3	216.1	263.7	220.4	261.5	259.3
85°	280.9	285.3	201.0	97.2	97.2	108.1	159.9	205.3	170.7	183.7	179.4
87.5°	218.3	209.6	138.3	58.3	62.7	47.5	103.7	147.0	112.4	118.9	116.7
90°	231.2	226.9	147.0	60.5	45.4	28.1	77.8	114.5	84.3	75.6	73.5
92.5°	246.4	244.2	164.2	64.8	45.4	23.8	67.0	92.9	60.5	51.9	49.7
95°	263.7	263.7	179.4	69.2	45.4	23.8	60.5	71.3	45.4	34.6	32.4
97.5°	209.6	213.9	153.4	71.3	43.2	23.8	54.0	58.3	34.6	19.4	19.4
100°	84.3	92.9	84.3	71.3	38.9	19.4	43.2	45.4	23.8	10.8	10.8
102.5°	19.4	23.8	58.3	62.7	30.3	13.0	28.1	28.1	15.1	6.5	6.5
105°	19.4	17.3	38.9	49.7	17.3	8.6	13.0	17.3	8.6	4.3	4.3
107.5°	19.4	19.4	17.3	23.8	8.6	6.5	6.5	6.5	4.3	4.3	4.3
110°	21.6	19.4	8.6	8.6	6.5	6.5	4.3	4.3	2.2	13.0	15.1



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CATALOG NUMBER: SDL-PA1-60-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.9	23.8	10.8	8.6	6.5	6.5	4.3	4.3	6.5	21.6	21.6
115°	21.6	19.4	10.8	6.5	6.5	6.5	4.3	2.2	6.5	23.8	23.8
117.5°	19.4	17.3	10.8	6.5	4.3	6.5	4.3	2.2	6.5	23.8	23.8
120°	21.6	19.4	10.8	6.5	4.3	4.3	4.3	2.2	6.5	21.6	21.6
122.5°	21.6	21.6	13.0	4.3	4.3	2.2	4.3	2.2	6.5	19.4	19.4
125°	19.4	17.3	10.8	4.3	2.2	2.2	2.2	2.2	8.6	17.3	19.4
127.5°	17.3	15.1	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	13.0	10.8
132.5°	8.6	8.6	6.5	4.3	2.2	2.2	2.2	2.2	6.5	8.6	8.6
135°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5
137.5°	2.2	2.2	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	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	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	4.3	2.2	2.2	4.3	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	4.3	2.2	2.2	2.2	2.2	6.5	6.5	4.3
155°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	4.3	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	2.2	0.0	2.2	0.0	0.0	2.2	0.0
160°	0.0	0.0	2.2	2.2	2.2	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)