

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: P559952

Luminaire Tested: **SDL-PA1-100-830-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559952
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-PA1-100-830-U-T4W-A
Description: Springdale
(1) 80 CRI, 3000K, 1200mA 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: 7564.2 lumens
Efficiency: N/A
Efficacy: 80.6 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

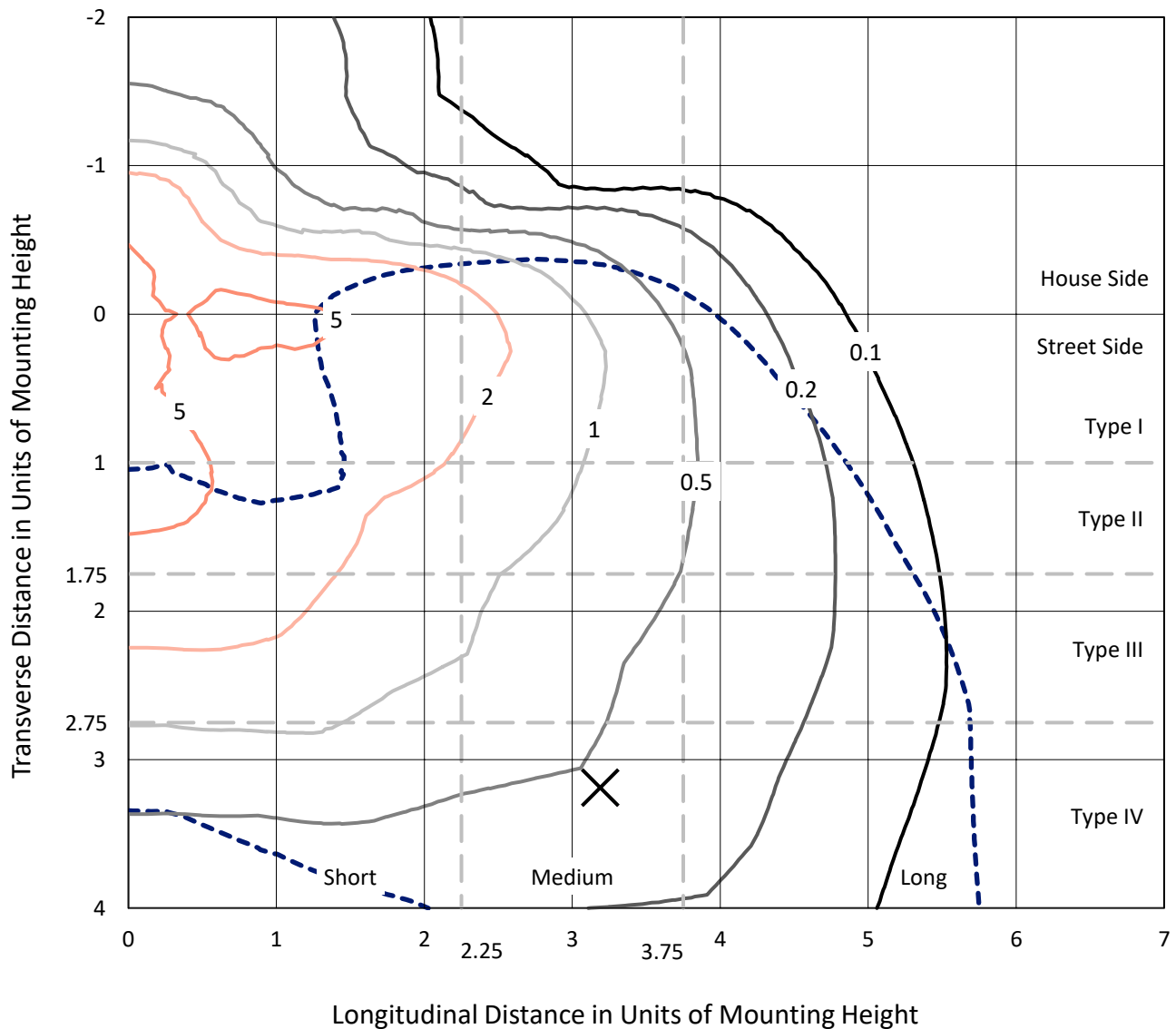


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

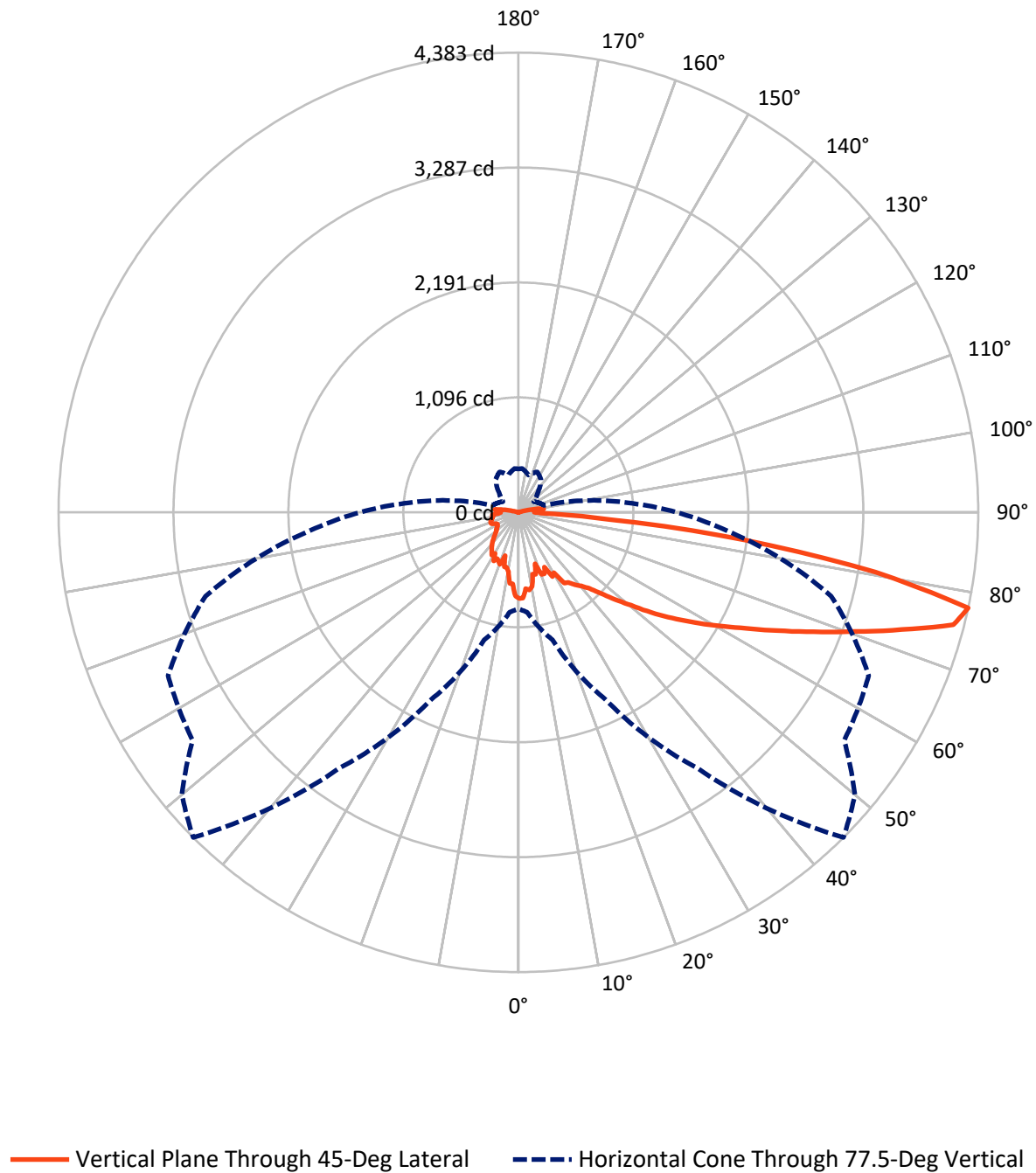


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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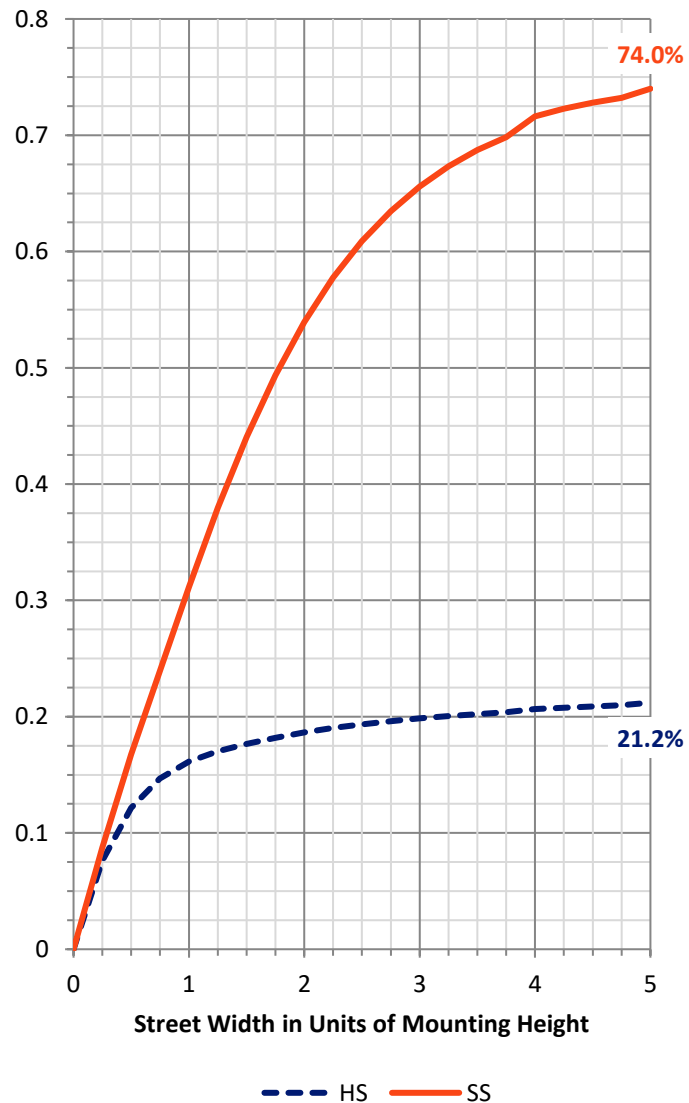
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1693.0	126.3	1819.3
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	5642.7	102.2	5744.9
	% Fixture	74.6	1.4	75.9
Total	Lumens	7335.7	228.5	7564.2
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	0.9
10°-20°	169.1	2.2
20°-30°	292.5	3.9
30°-40°	518.3	6.9
40°-50°	803.5	10.6
50°-60°	1293.5	17.1
60°-70°	1902.2	25.1
70°-80°	1831.5	24.2
80°-90°	456.7	6.0
90°-100°	170.3	2.3
100°-110°	37.7	0.5
110°-120°	8.1	0.1
120°-130°	6.8	0.1
130°-140°	2.9	0.0
140°-150°	1.3	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7335.7	97.0
0°-180°	7564.2	100.0

Coefficient of Utilization



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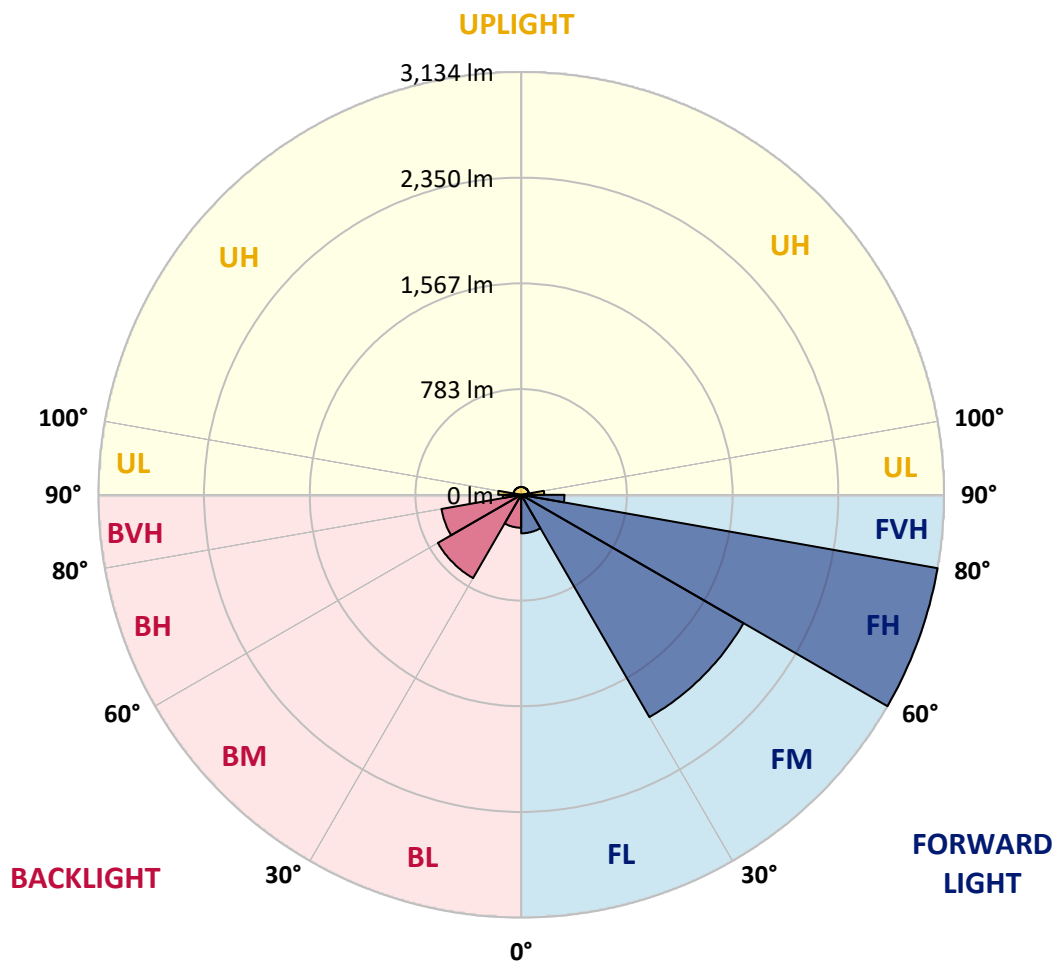
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.5	3.8			
FM	(30°-60°)	1902.5	25.2			
FH	(60°-80°)	3133.8	41.4			G2/5000
FVH	(80°-90°)	320.8	4.2			G3/500
BL	(0°-30°)	244.4	3.2	B1/500		
BM	(30°-60°)	712.8	9.4	B1/1000		
BH	(60°-80°)	599.9	7.9	B2/1000		G2/1000
BVH	(80°-90°)	135.9	1.8			G2/225
UL	(90°-100°)	170.3	2.3		U3/500	
UH	(100°-180°)	58.2	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°	50°	55°	65°	75°	85°
0°	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2
2.5°	746.8	818.2	806.3	815.2	815.2	818.2	821.2	821.2	824.1	821.2	821.2
5°	761.7	758.7	752.7	746.8	740.8	731.9	731.9	731.9	803.3	809.3	803.3
7.5°	711.1	773.6	767.6	755.7	755.7	746.8	734.9	723.0	702.2	696.2	705.1
10°	803.3	800.3	791.4	773.6	708.1	720.0	645.6	583.1	559.3	574.2	612.9
12.5°	714.1	764.6	785.5	785.5	702.2	604.0	538.5	574.2	553.4	493.9	538.5
15°	842.0	836.0	812.2	773.6	615.9	612.9	577.2	505.8	514.7	559.3	601.0
17.5°	720.0	720.0	806.3	737.9	633.7	514.7	511.7	568.3	520.7	496.9	520.7
20°	868.8	865.8	839.0	612.9	639.7	630.8	520.7	580.2	496.9	571.2	624.8
22.5°	737.9	731.9	773.6	734.9	609.9	636.7	487.9	550.4	592.1	523.6	485.0
25°	868.8	874.7	862.8	654.6	693.2	577.2	589.1	627.8	544.5	663.5	690.3
27.5°	764.6	764.6	731.9	731.9	642.7	693.2	553.4	589.1	648.6	717.0	842.0
30°	937.2	940.2	919.4	705.1	711.1	666.5	642.7	684.3	779.5	931.3	987.8
32.5°	1145.5	1145.5	984.8	842.0	714.1	803.3	678.4	746.8	883.6	961.0	1035.4
35°	1276.4	1261.5	1190.1	946.1	770.6	821.2	767.6	794.4	916.4	1029.4	1083.0
37.5°	1463.8	1457.9	1386.5	1038.4	827.1	874.7	797.4	827.1	975.9	1080.0	1142.5
40°	1722.7	1692.9	1630.4	1199.0	895.5	922.3	833.1	868.8	1047.3	1145.5	1219.9
42.5°	1928.0	1933.9	1889.3	1389.4	1008.6	990.8	895.5	922.3	1124.6	1246.6	1329.9
45°	2118.4	2112.4	2121.4	1618.5	1148.4	1100.8	1005.6	1008.6	1222.8	1371.6	1484.6
47.5°	2249.3	2246.3	2267.1	1832.8	1327.0	1240.7	1127.6	1115.7	1335.9	1585.8	1695.9
50°	2407.0	2398.0	2386.1	2061.8	1529.3	1392.4	1288.3	1246.6	1481.7	1826.8	1963.7
52.5°	2600.4	2579.5	2540.9	2240.4	1752.4	1585.8	1469.8	1413.2	1678.0	2097.5	2273.1
55°	2784.8	2755.1	2722.4	2439.7	1957.7	1779.2	1654.2	1621.5	1933.9	2377.2	2603.3
57.5°	2966.3	2951.4	2924.7	2704.5	2219.5	1981.5	1841.7	1835.7	2231.4	2648.0	2957.4
60°	3135.9	3112.1	3147.8	2990.1	2463.5	2195.7	2047.0	2091.6	2558.7	2918.7	3350.1
62.5°	3240.0	3231.1	3308.5	3251.9	2689.6	2433.8	2282.0	2359.4	2874.1	3183.5	3698.2
65°	3085.3	3109.1	3415.6	3415.6	2951.4	2716.4	2567.6	2615.2	3171.6	3451.3	4016.6
67.5°	2802.7	2835.4	3251.9	3507.8	3186.5	3034.8	2880.0	2906.8	3436.4	3668.5	4275.4
70°	2561.7	2585.5	2972.3	3513.8	3335.3	3403.7	3180.5	3156.7	3641.7	3850.0	4370.6
72.5°	2350.4	2383.2	2701.5	3478.1	3481.0	3823.2	3537.6	3394.8	3829.1	3918.4	4067.2
75°	1862.5	1847.6	2207.6	3058.6	3528.6	4281.4	3957.1	3659.6	3921.4	3683.4	3189.5
77.5°	916.4	955.1	1258.5	1969.6	2978.2	4382.5	4186.2	3790.5	3683.4	3085.3	1990.4
80°	270.7	279.7	351.1	705.1	1710.8	3451.3	3457.2	3135.9	2770.0	1803.0	898.5
82.5°	151.7	154.7	202.3	306.5	702.2	2186.8	2276.1	1883.3	1225.8	666.5	449.3
85°	80.3	83.3	104.1	160.7	357.0	871.7	925.3	720.0	592.1	434.4	330.3
87.5°	38.7	38.7	35.7	53.6	130.9	211.2	235.0	267.8	238.0	223.1	273.7
90°	32.7	32.7	26.8	29.8	71.4	151.7	184.5	205.3	187.4	205.3	300.5
92.5°	35.7	35.7	26.8	29.8	77.4	169.6	202.3	229.1	199.3	220.2	333.2
95°	32.7	35.7	23.8	26.8	77.4	208.3	244.0	249.9	205.3	241.0	357.0
97.5°	26.8	26.8	17.9	20.8	68.4	244.0	267.8	258.8	181.5	184.5	285.6
100°	20.8	20.8	11.9	17.9	47.6	196.4	229.1	217.2	119.0	29.8	71.4
102.5°	17.9	17.9	8.9	14.9	20.8	95.2	122.0	119.0	71.4	17.9	14.9
105°	17.9	17.9	8.9	11.9	11.9	26.8	41.7	53.6	29.8	8.9	14.9
107.5°	17.9	17.9	8.9	6.0	6.0	11.9	14.9	14.9	14.9	8.9	17.9
110°	20.8	20.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.9	17.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	17.9	17.9	6.0	6.0	3.0	6.0	6.0	6.0	6.0	8.9	17.9
115°	14.9	14.9	3.0	6.0	3.0	3.0	6.0	3.0	6.0	6.0	14.9
117.5°	14.9	11.9	3.0	3.0	3.0	3.0	3.0	3.0	6.0	8.9	17.9
120°	14.9	14.9	6.0	3.0	3.0	3.0	3.0	3.0	6.0	11.9	20.8
122.5°	14.9	14.9	6.0	3.0	0.0	3.0	3.0	3.0	6.0	11.9	23.8
125°	17.9	14.9	6.0	3.0	0.0	0.0	3.0	3.0	3.0	11.9	20.8
127.5°	14.9	11.9	6.0	3.0	0.0	0.0	3.0	3.0	3.0	8.9	17.9
130°	14.9	11.9	6.0	0.0	0.0	0.0	3.0	3.0	3.0	8.9	14.9
132.5°	11.9	8.9	6.0	0.0	0.0	0.0	3.0	3.0	3.0	6.0	11.9
135°	8.9	8.9	3.0	0.0	3.0	0.0	3.0	3.0	3.0	3.0	8.9
137.5°	6.0	6.0	3.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
140°	3.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
142.5°	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	8.9	8.9	8.9	6.0	3.0	3.0	3.0	6.0	3.0	3.0	3.0
152.5°	8.9	8.9	8.9	6.0	0.0	0.0	3.0	3.0	6.0	3.0	3.0
155°	6.0	6.0	6.0	0.0	0.0	0.0	3.0	3.0	3.0	6.0	6.0
157.5°	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	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°	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2
2.5°	818.2	815.2	812.2	809.3	803.3	797.4	782.5	720.0	720.0	723.0	723.0
5°	803.3	800.3	791.4	734.9	702.2	684.3	690.3	690.3	690.3	693.2	699.2
7.5°	702.2	699.2	657.5	654.6	666.5	681.3	690.3	675.4	645.6	645.6	645.6
10°	612.9	609.9	535.5	520.7	535.5	571.2	663.5	681.3	693.2	696.2	702.2
12.5°	535.5	526.6	461.2	508.8	476.0	535.5	618.9	687.3	624.8	612.9	612.9
15°	595.0	592.1	514.7	446.3	449.3	535.5	490.9	645.6	681.3	687.3	690.3
17.5°	520.7	514.7	473.1	470.1	496.9	431.4	544.5	615.9	586.1	595.0	595.0
20°	621.8	618.9	541.5	449.3	443.3	526.6	482.0	559.3	666.5	687.3	690.3
22.5°	482.0	482.0	496.9	526.6	479.0	502.8	514.7	592.1	571.2	583.1	618.9
25°	684.3	678.4	601.0	473.1	514.7	485.0	538.5	562.3	660.5	684.3	690.3
27.5°	830.1	815.2	645.6	532.6	464.1	520.7	517.7	544.5	559.3	651.6	663.5
30°	978.9	964.0	830.1	598.0	482.0	449.3	493.9	583.1	672.4	687.3	699.2
32.5°	1032.4	1020.5	847.9	633.7	485.0	479.0	490.9	583.1	737.9	797.4	809.3
35°	1088.9	1074.1	865.8	618.9	473.1	446.3	464.1	601.0	734.9	773.6	782.5
37.5°	1157.4	1130.6	886.6	589.1	440.3	422.5	443.3	547.4	699.2	737.9	743.8
40°	1243.7	1216.9	913.4	556.4	407.6	392.7	404.6	508.8	612.9	645.6	660.5
42.5°	1374.6	1324.0	925.3	529.6	377.9	363.0	374.9	458.2	538.5	559.3	568.3
45°	1544.2	1454.9	943.2	493.9	351.1	330.3	348.1	419.5	458.2	458.2	458.2
47.5°	1752.4	1609.6	952.1	464.1	318.4	300.5	318.4	380.8	401.7	389.8	386.8
50°	2008.3	1806.0	996.7	428.4	291.6	276.7	306.5	336.2	345.1	351.1	351.1
52.5°	2308.8	2032.1	1023.5	392.7	273.7	264.8	294.5	315.4	318.4	324.3	324.3
55°	2636.1	2279.0	1038.4	360.0	261.8	249.9	282.6	303.5	303.5	309.4	309.4
57.5°	2975.2	2564.7	1077.0	336.2	249.9	238.0	270.7	306.5	294.5	306.5	309.4
60°	3332.3	2829.5	1044.3	312.4	232.1	229.1	273.7	327.3	324.3	339.2	342.2
62.5°	3668.5	3040.7	898.5	291.6	220.2	232.1	306.5	368.9	360.0	383.8	383.8
65°	3858.9	3112.1	660.5	279.7	211.2	249.9	339.2	410.6	380.8	392.7	386.8
67.5°	3900.5	3040.7	476.0	264.8	208.3	279.7	363.0	419.5	377.9	389.8	389.8
70°	3802.4	2874.1	383.8	252.9	205.3	282.6	368.9	419.5	380.8	407.6	401.7
72.5°	3359.1	2445.7	327.3	241.0	205.3	276.7	377.9	422.5	389.8	434.4	425.5
75°	2531.9	1829.8	288.6	229.1	193.4	267.8	383.8	425.5	377.9	425.5	419.5
77.5°	1505.5	1044.3	255.9	214.2	178.5	258.8	377.9	425.5	368.9	419.5	413.6
80°	636.7	490.9	217.2	187.4	163.6	246.9	371.9	422.5	354.1	407.6	398.7
82.5°	401.7	333.2	184.5	154.7	160.7	244.0	374.9	416.5	348.1	410.6	380.8
85°	324.3	273.7	157.7	130.9	148.8	249.9	360.0	377.9	300.5	354.1	345.1
87.5°	273.7	229.1	71.4	56.5	110.1	193.4	273.7	282.6	217.2	276.7	264.8
90°	300.5	249.9	68.4	47.6	98.2	169.6	252.9	246.9	208.3	264.8	261.8
92.5°	327.3	264.8	65.5	50.6	110.1	184.5	276.7	249.9	220.2	267.8	264.8
95°	339.2	270.7	62.5	53.6	130.9	202.3	294.5	244.0	232.1	246.9	244.0
97.5°	255.9	196.4	59.5	56.5	136.9	229.1	276.7	205.3	151.7	151.7	148.8
100°	65.5	65.5	53.6	53.6	92.2	166.6	211.2	151.7	86.3	65.5	68.4
102.5°	17.9	20.8	47.6	50.6	50.6	74.4	119.0	98.2	56.5	8.9	8.9
105°	17.9	17.9	32.7	38.7	26.8	23.8	47.6	53.6	41.7	6.0	8.9
107.5°	17.9	17.9	14.9	20.8	8.9	11.9	11.9	14.9	14.9	6.0	6.0
110°	20.8	17.9	8.9	8.9	6.0	6.0	6.0	6.0	6.0	11.9	11.9



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CATALOG NUMBER: SDL-PA1-100-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

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