

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: P560912

Luminaire Tested: **SDL-PA1-70-740-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560912
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-PA1-70-740-U-T2U-A
Description: Springdale
(1) 70 CRI, 4000K, 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: 8077.9 lumens
Efficiency: N/A
Efficacy: 111.9 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: B3 - U3 - G3

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

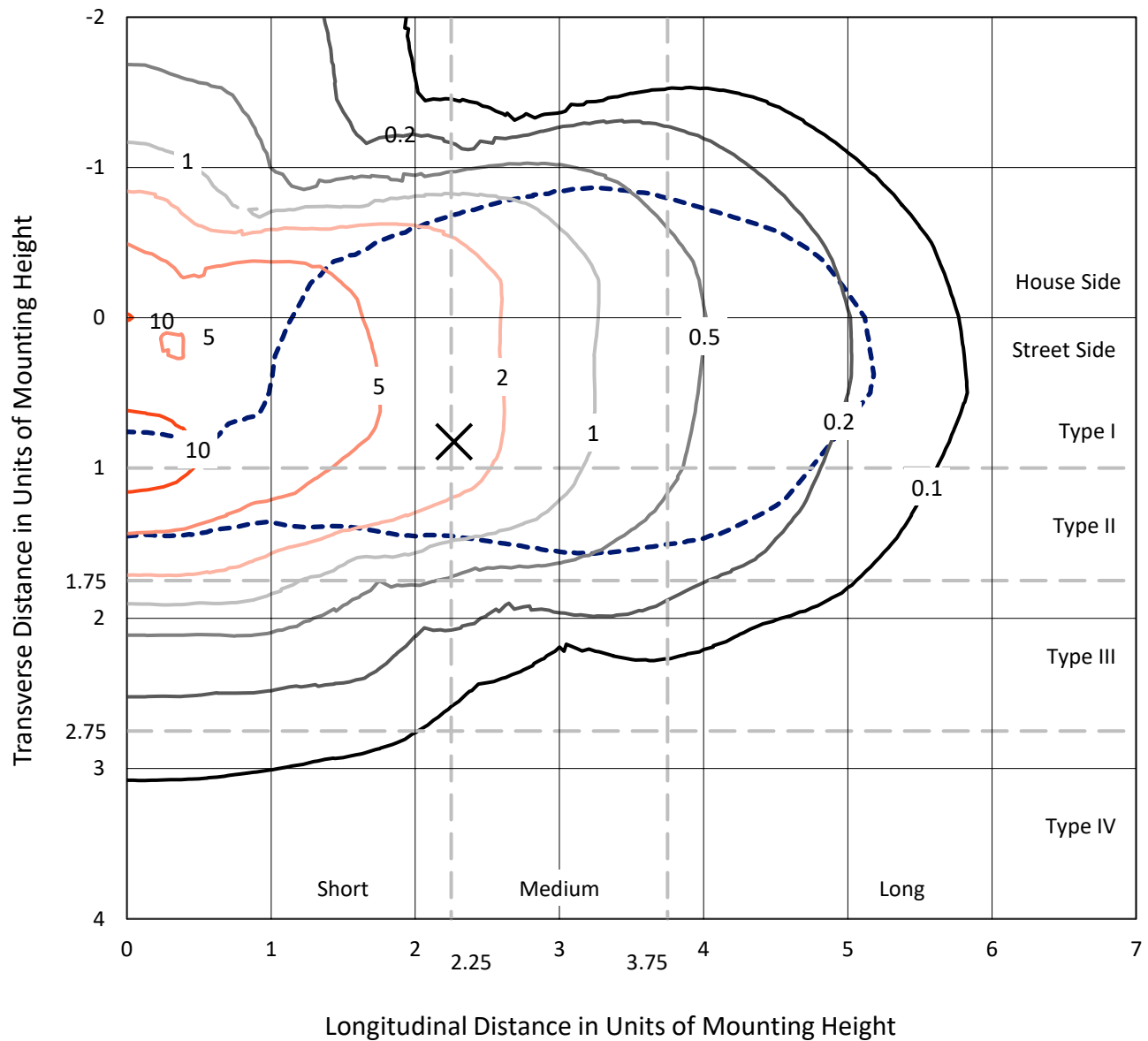


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

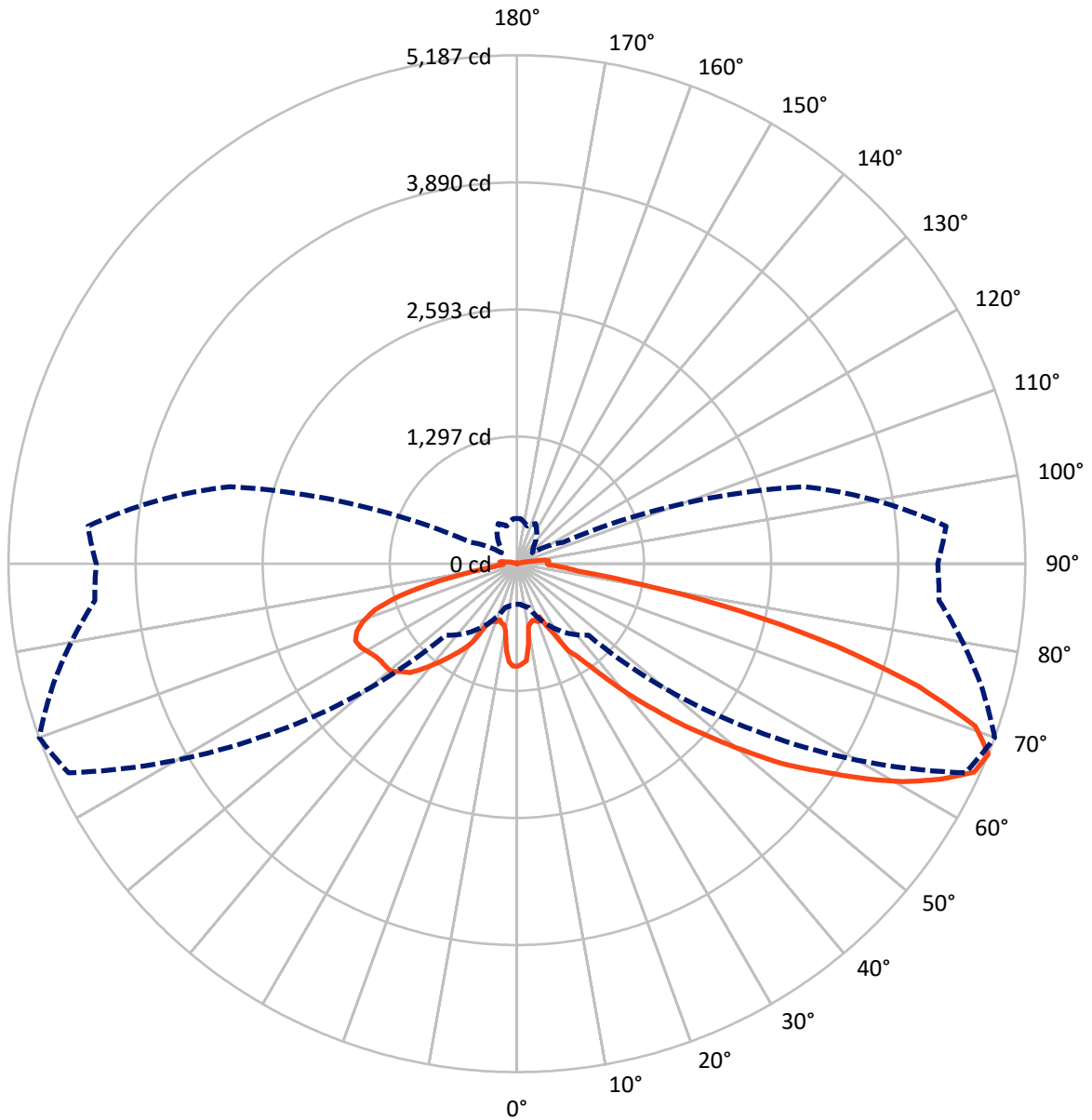


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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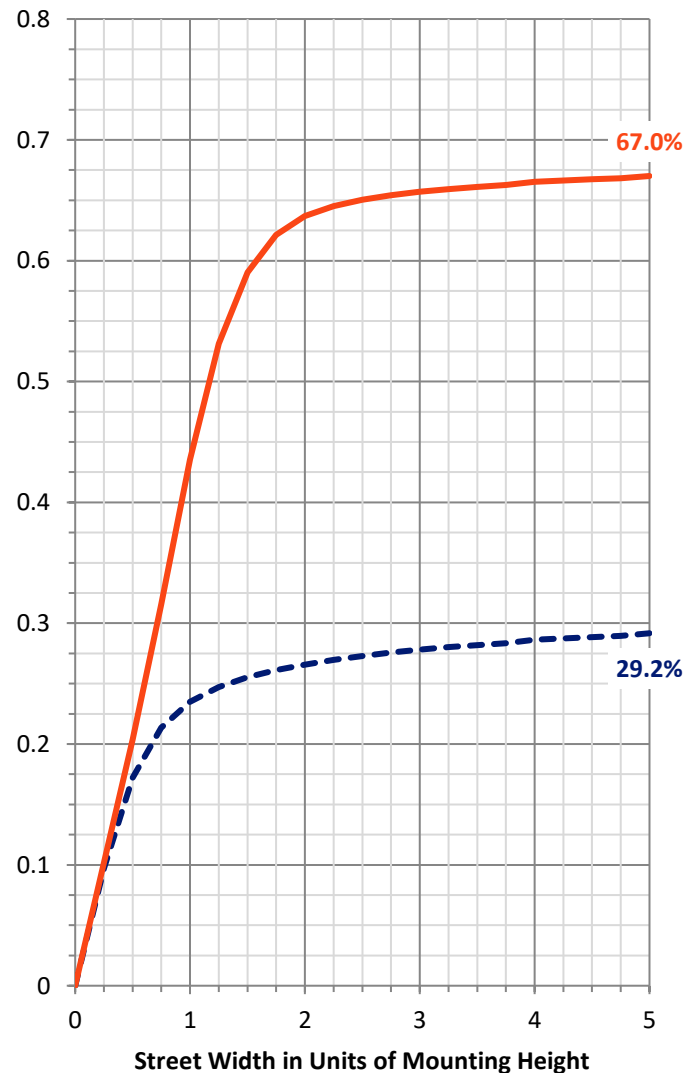
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2429.6	95.3	2524.9
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	5460.8	92.1	5552.9
	% Fixture	67.6	1.1	68.7
Total	Lumens	7890.4	187.5	8077.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	1.0
10°-20°	193.8	2.4
20°-30°	343.8	4.3
30°-40°	724.4	9.0
40°-50°	1354.3	16.8
50°-60°	1875.7	23.2
60°-70°	1808.6	22.4
70°-80°	1189.1	14.7
80°-90°	316.9	3.9
90°-100°	130.0	1.6
100°-110°	28.4	0.4
110°-120°	12.3	0.2
120°-130°	8.9	0.1
130°-140°	4.0	0.0
140°-150°	2.1	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7890.4	97.7
0°-180°	8077.9	100.0



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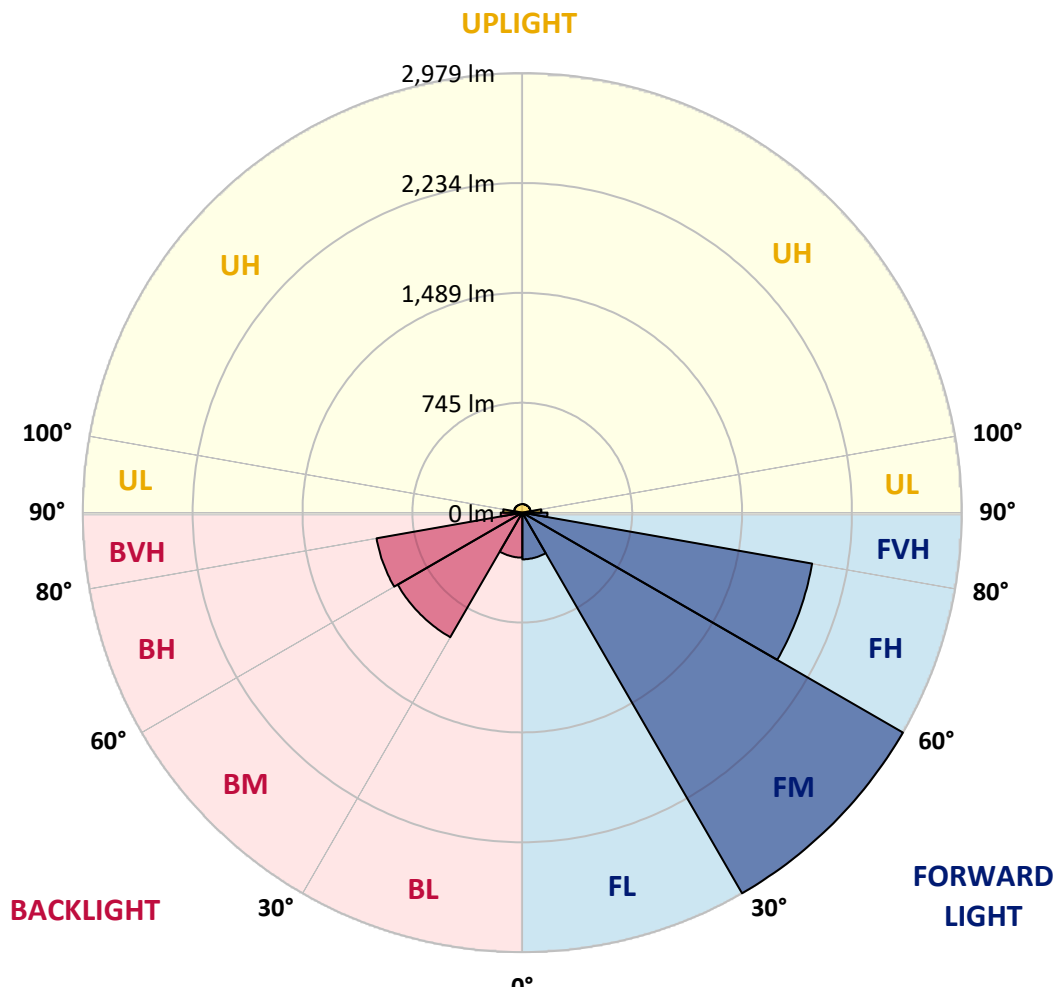
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	316.5	3.9			
FM	(30°-60°)	2979.0	36.9			
FH	(60°-80°)	1994.7	24.7			G2/5000
FVH	(80°-90°)	170.5	2.1			G2/225
BL	(0°-30°)	304.8	3.8	B1/500		
BM	(30°-60°)	975.4	12.1	B1/1000		
BH	(60°-80°)	1003.0	12.4	B3/2500		G3/2500
BVH	(80°-90°)	146.4	1.8			G2/225
UL	(90°-100°)	130.0	1.6		U3/500	
UH	(100°-180°)	57.5	0.7		U3/500	

BUG Rating: B3-U3-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4
2.5°	872.7	943.6	922.1	989.9	1005.3	1020.7	1023.8	1026.9	1023.8	1026.9	1033.1
5°	823.4	826.5	829.5	835.7	835.7	841.9	854.2	983.7	996.1	1005.3	1017.6
7.5°	687.7	718.5	777.1	798.7	808.0	820.3	826.5	826.5	838.8	869.6	891.2
10°	764.8	758.6	761.7	764.8	721.6	712.4	647.6	638.3	647.6	669.2	770.9
12.5°	641.4	672.3	737.0	752.4	700.0	619.8	610.6	622.9	619.8	558.2	653.8
15°	743.2	740.1	733.9	721.6	585.9	613.7	527.3	533.5	598.3	641.4	730.9
17.5°	647.6	644.5	730.9	706.2	616.8	478.0	601.3	558.2	610.6	564.3	604.4
20°	804.9	801.8	792.5	589.0	629.1	635.3	582.8	539.7	629.1	650.7	733.9
22.5°	730.9	730.9	789.4	774.0	638.3	672.3	555.1	656.8	589.0	598.3	555.1
25°	1005.3	996.1	983.7	718.5	767.9	616.8	687.7	604.4	703.1	761.7	798.7
27.5°	974.5	956.0	943.6	952.9	770.9	808.0	681.5	752.4	811.0	835.7	931.3
30°	1369.2	1344.5	1307.5	999.1	959.1	826.5	823.4	931.3	1026.9	1104.0	1156.4
32.5°	1745.4	1751.6	1560.4	1341.4	1060.8	1104.0	980.6	1091.7	1122.5	1202.7	1233.5
35°	2238.8	2177.1	2056.9	1674.5	1292.1	1248.9	1141.0	1245.8	1276.7	1353.8	1372.3
37.5°	2627.4	2630.5	2445.4	2013.7	1548.1	1511.1	1322.9	1430.9	1486.4	1572.7	1541.9
40°	3000.5	3015.9	2867.9	2362.2	1871.9	1770.1	1541.9	1668.3	1745.4	1797.8	1745.4
42.5°	3333.6	3330.5	3228.7	2747.6	2174.1	2115.5	1773.2	1936.6	2004.5	2053.8	2013.7
45°	3595.7	3586.4	3493.9	3062.2	2531.8	2612.0	2075.4	2245.0	2315.9	2371.4	2272.7
47.5°	3685.1	3635.8	3595.7	3290.4	2864.8	3049.9	2448.5	2544.1	2627.4	2723.0	2562.6
50°	3589.5	3524.8	3540.2	3398.3	3145.5	3416.8	2849.4	2889.5	2991.3	3074.5	2837.1
52.5°	3191.7	3176.3	3262.6	3290.4	3265.7	3697.5	3299.6	3185.5	3386.0	3395.2	3120.8
55°	2667.5	2649.0	2852.5	2966.6	3151.6	3808.5	3682.0	3601.9	3731.4	3716.0	3373.7
57.5°	2149.4	2137.1	2322.1	2510.2	2830.9	3746.8	3950.3	4058.3	4123.0	4036.7	3608.0
60°	1440.1	1464.8	1782.4	2035.3	2315.9	3376.7	4052.1	4483.8	4514.7	4329.6	3854.7
62.5°	919.0	952.9	1156.4	1569.6	1730.0	2741.5	3978.1	4863.1	4844.6	4594.8	4082.9
65°	589.0	601.3	700.0	1063.9	1239.7	1816.3	3648.1	5122.2	5125.2	4832.3	4264.9
67.5°	413.2	416.3	462.6	663.0	857.3	1033.1	2966.6	5048.1	5186.9	4912.5	4323.5
70°	370.1	373.1	385.5	450.2	650.7	641.4	1797.8	4511.6	4958.7	4807.6	4234.0
72.5°	330.0	333.0	354.6	391.6	499.6	502.7	860.4	3592.6	4286.5	4434.5	3968.8
75°	274.5	280.6	305.3	367.0	385.5	422.5	576.7	2525.6	3373.7	3820.8	3654.3
77.5°	231.3	234.4	252.9	311.5	336.1	342.3	493.4	1400.0	2331.3	2812.4	3219.5
80°	185.0	185.0	200.4	246.7	277.5	280.6	441.0	740.1	1292.1	1702.2	2238.8
82.5°	120.3	123.4	141.9	185.0	206.6	277.5	391.6	539.7	632.2	820.3	1017.6
85°	77.1	77.1	89.4	104.8	123.4	212.8	345.4	447.1	471.8	515.0	462.6
87.5°	37.0	37.0	33.9	40.1	46.3	80.2	240.5	317.6	320.7	314.5	339.2
90°	30.8	30.8	24.7	27.8	30.8	43.2	181.9	311.5	308.4	320.7	351.6
92.5°	33.9	33.9	24.7	27.8	30.8	37.0	132.6	314.5	323.8	339.2	373.1
95°	37.0	37.0	24.7	24.7	27.8	33.9	83.3	271.4	326.9	342.3	385.5
97.5°	33.9	33.9	18.5	21.6	24.7	30.8	52.4	203.5	256.0	268.3	305.3
100°	30.8	30.8	15.4	18.5	21.6	24.7	33.9	104.8	111.0	83.3	117.2
102.5°	27.8	30.8	12.3	15.4	15.4	15.4	21.6	49.3	49.3	27.8	30.8
105°	27.8	30.8	12.3	12.3	9.3	12.3	12.3	18.5	21.6	15.4	24.7
107.5°	30.8	30.8	12.3	12.3	9.3	9.3	9.3	12.3	15.4	12.3	24.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	18.5	18.5	9.3	12.3	6.2	6.2	6.2	9.3	12.3	15.4	33.9
115°	15.4	12.3	6.2	9.3	6.2	6.2	6.2	9.3	9.3	12.3	27.8
117.5°	15.4	12.3	6.2	6.2	3.1	6.2	6.2	9.3	9.3	12.3	24.7
120°	15.4	15.4	6.2	3.1	3.1	3.1	3.1	6.2	9.3	15.4	27.8
122.5°	18.5	15.4	6.2	6.2	3.1	3.1	3.1	6.2	9.3	15.4	27.8
125°	18.5	18.5	9.3	6.2	3.1	3.1	3.1	6.2	9.3	12.3	24.7
127.5°	18.5	15.4	9.3	6.2	3.1	3.1	3.1	3.1	6.2	9.3	21.6
130°	15.4	15.4	9.3	3.1	3.1	3.1	3.1	3.1	6.2	6.2	15.4
132.5°	12.3	12.3	9.3	3.1	3.1	3.1	3.1	3.1	3.1	6.2	12.3
135°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	9.3
137.5°	6.2	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
150°	6.2	6.2	12.3	9.3	6.2	3.1	6.2	3.1	3.1	3.1	3.1
152.5°	9.3	9.3	12.3	9.3	3.1	3.1	3.1	6.2	3.1	3.1	3.1
155°	6.2	6.2	6.2	3.1	3.1	3.1	3.1	3.1	6.2	6.2	9.3
157.5°	0.0	0.0	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	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°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4
2.5°	1036.2	1036.2	1045.4	1048.5	1045.4	1042.3	1023.8	968.3	934.4	937.5	937.5
5°	1020.7	1023.8	1033.1	977.6	909.7	915.9	925.1	928.2	928.2	934.4	934.4
7.5°	900.5	903.5	878.9	888.1	909.7	925.1	931.3	915.9	866.5	848.0	848.0
10°	780.2	780.2	693.9	696.9	721.6	767.9	912.8	928.2	943.6	946.7	943.6
12.5°	659.9	663.0	592.1	681.5	650.7	733.9	841.9	931.3	860.4	789.4	798.7
15°	737.0	743.2	666.1	585.9	601.3	724.7	629.1	863.5	869.6	869.6	869.6
17.5°	592.1	626.0	589.0	604.4	666.1	545.8	712.4	789.4	724.7	706.2	706.2
20°	737.0	737.0	672.3	582.8	616.8	709.3	632.2	703.1	826.5	826.5	823.4
22.5°	548.9	548.9	589.0	675.3	619.8	700.0	669.2	727.8	656.8	656.8	675.3
25°	792.5	783.3	715.4	598.3	706.2	647.6	672.3	635.3	743.2	752.4	746.3
27.5°	956.0	949.8	767.9	687.7	663.0	690.8	604.4	592.1	570.5	656.8	647.6
30°	1131.7	1116.3	1005.3	829.5	727.8	582.8	545.8	567.4	629.1	632.2	629.1
32.5°	1215.0	1181.1	1057.7	993.0	743.2	601.3	490.3	505.7	626.0	663.0	663.0
35°	1329.1	1292.1	1153.3	1082.4	740.1	530.4	434.8	490.3	564.3	567.4	567.4
37.5°	1486.4	1430.9	1313.7	1134.8	690.8	468.7	400.9	434.8	487.2	502.7	508.8
40°	1668.3	1597.4	1492.5	1168.8	619.8	394.7	357.7	400.9	441.0	428.6	428.6
42.5°	1924.3	1819.4	1668.3	1221.2	530.4	348.5	326.9	367.0	394.7	400.9	397.8
45°	2164.8	2035.3	1874.9	1239.7	431.7	314.5	305.3	348.5	376.2	367.0	367.0
47.5°	2436.2	2272.7	2029.1	1196.5	354.6	296.0	305.3	336.1	348.5	363.9	363.9
50°	2704.5	2528.7	2254.2	1128.7	314.5	283.7	305.3	323.8	348.5	357.7	354.6
52.5°	2948.1	2793.9	2389.9	1008.4	293.0	274.5	296.0	323.8	354.6	370.1	370.1
55°	3213.3	3056.0	2513.3	900.5	274.5	256.0	305.3	336.1	345.4	354.6	354.6
57.5°	3413.7	3290.4	2649.0	804.9	262.1	256.0	311.5	351.6	348.5	357.7	357.7
60°	3657.4	3549.4	2772.3	758.6	243.6	243.6	323.8	379.3	354.6	382.4	382.4
62.5°	3916.4	3851.6	2892.6	724.7	225.1	237.5	326.9	400.9	367.0	410.1	413.2
65°	4166.2	4178.5	3003.6	644.5	209.7	237.5	333.0	428.6	379.3	434.8	441.0
67.5°	4292.6	4394.4	3034.4	518.1	194.3	234.4	351.6	450.2	397.8	459.5	462.6
70°	4268.0	4400.6	2963.5	382.4	181.9	246.7	379.3	468.7	407.1	490.3	490.3
72.5°	4052.1	4147.7	2753.8	289.9	169.6	237.5	385.5	474.9	413.2	539.7	539.7
75°	3746.8	3648.1	2266.6	240.5	160.4	237.5	376.2	468.7	407.1	527.3	524.2
77.5°	3250.3	2920.3	1563.5	212.8	151.1	228.2	351.6	456.4	388.6	490.3	496.5
80°	2084.6	1797.8	798.7	185.0	160.4	218.9	339.2	422.5	360.8	437.9	441.0
82.5°	949.8	798.7	363.9	163.4	157.3	197.4	308.4	376.2	314.5	373.1	370.1
85°	400.9	407.1	286.8	138.8	138.8	154.2	228.2	293.0	243.6	262.1	256.0
87.5°	311.5	299.1	197.4	83.3	89.4	67.8	148.0	209.7	160.4	169.6	166.5
90°	330.0	323.8	209.7	86.3	64.8	40.1	111.0	163.4	120.3	107.9	104.8
92.5°	351.6	348.5	234.4	92.5	64.8	33.9	95.6	132.6	86.3	74.0	70.9
95°	376.2	376.2	256.0	98.7	64.8	33.9	86.3	101.8	64.8	49.3	46.3
97.5°	299.1	305.3	218.9	101.8	61.7	33.9	77.1	83.3	49.3	27.8	27.8
100°	120.3	132.6	120.3	101.8	55.5	27.8	61.7	64.8	33.9	15.4	15.4
102.5°	27.8	33.9	83.3	89.4	43.2	18.5	40.1	40.1	21.6	9.3	9.3
105°	27.8	24.7	55.5	70.9	24.7	12.3	18.5	24.7	12.3	6.2	6.2
107.5°	27.8	27.8	24.7	33.9	12.3	9.3	9.3	9.3	6.2	6.2	6.2



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CATALOG NUMBER: SDL-PA1-70-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	37.0	33.9	15.4	12.3	9.3	9.3	6.2	6.2	9.3	30.8	30.8
115°	30.8	27.8	15.4	9.3	9.3	9.3	6.2	3.1	9.3	33.9	33.9
117.5°	27.8	24.7	15.4	9.3	6.2	9.3	6.2	3.1	9.3	33.9	33.9
120°	30.8	27.8	15.4	9.3	6.2	6.2	6.2	3.1	9.3	30.8	30.8
122.5°	30.8	30.8	18.5	6.2	6.2	3.1	6.2	3.1	9.3	27.8	27.8
125°	27.8	24.7	15.4	6.2	3.1	3.1	3.1	3.1	12.3	24.7	27.8
127.5°	24.7	21.6	12.3	6.2	3.1	3.1	3.1	3.1	9.3	18.5	21.6
130°	18.5	18.5	9.3	6.2	3.1	3.1	3.1	3.1	9.3	18.5	15.4
132.5°	12.3	12.3	9.3	6.2	3.1	3.1	3.1	3.1	9.3	12.3	12.3
135°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2
140°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	3.1	6.2	3.1	3.1	6.2	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	9.3	9.3	6.2
155°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	6.2	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	0.0	0.0	3.1	0.0
160°	0.0	0.0	3.1	3.1	3.1	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



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110°	27.8	27.8	9.3	12.3	6.2	6.2	6.2	9.3	12.3	27.8
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110°	30.8	27.8	12.3	12.3	9.3	9.3	6.2	6.2	3.1	18.5	21.6
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(END OF REPORT)