

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: P559852

Luminaire Tested: **SDL-PA1-100-740-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-740-U-T2R-A
Description: Springdale
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8459.1 lumens
Efficiency: N/A
Efficacy: 90.2 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: B1 - U3 - G2

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



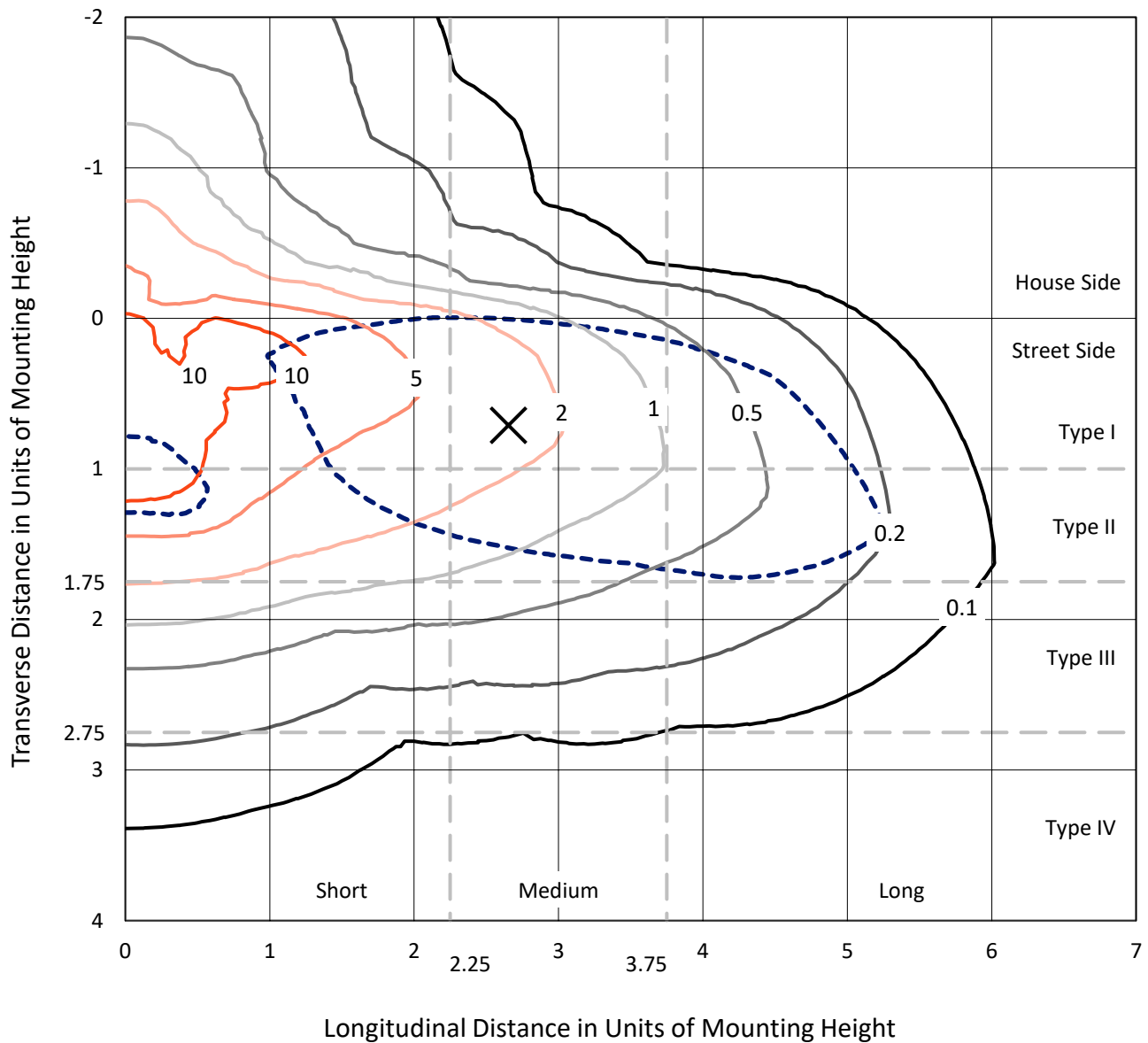
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

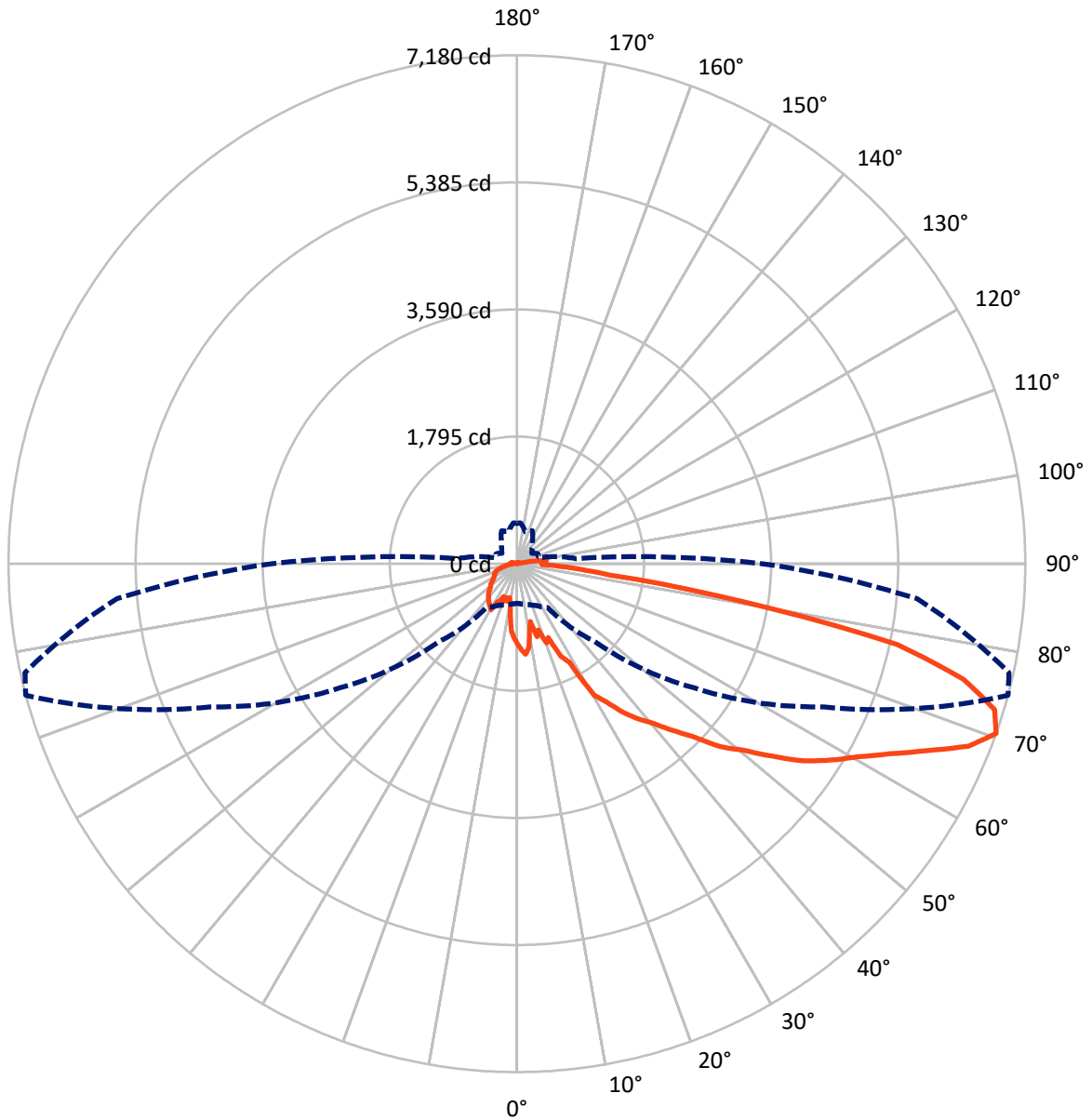


Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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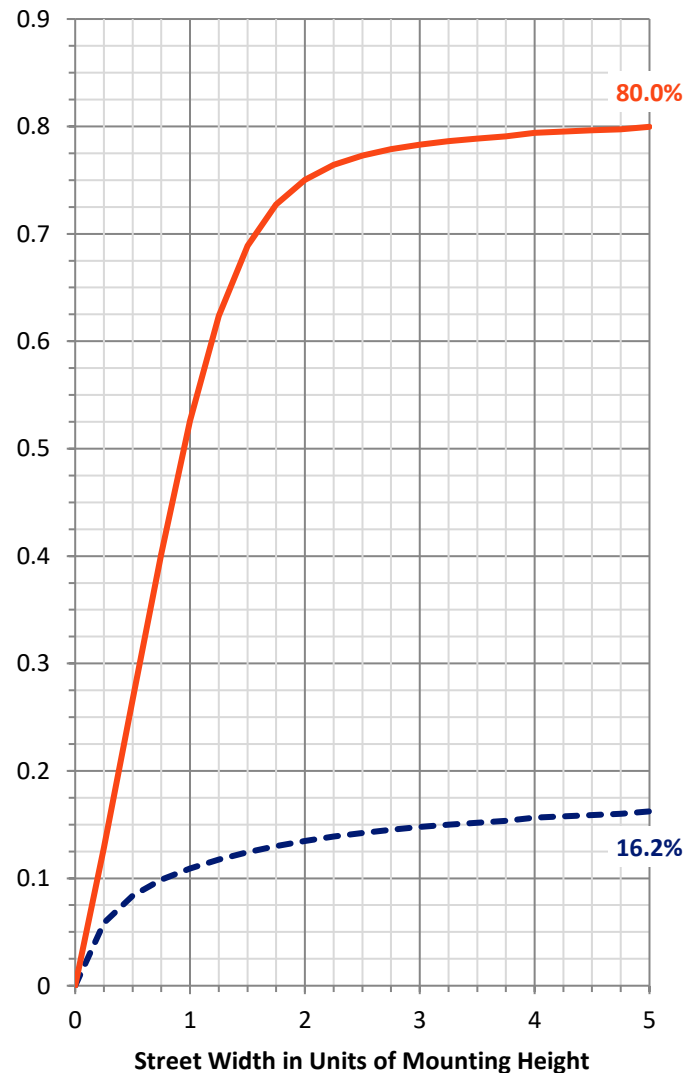
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1446.1	86.4	1532.5
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	6817.2	109.4	6926.6
	% Fixture	80.6	1.3	81.9
Total	Lumens	8263.3	195.8	8459.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	1.1
10°-20°	246.7	2.9
20°-30°	445.5	5.3
30°-40°	910.2	10.8
40°-50°	1429.4	16.9
50°-60°	1755.2	20.7
60°-70°	1745.7	20.6
70°-80°	1291.2	15.3
80°-90°	345.0	4.1
90°-100°	127.5	1.5
100°-110°	29.8	0.4
110°-120°	14.1	0.2
120°-130°	12.6	0.1
130°-140°	6.1	0.1
140°-150°	3.0	0.0
150°-160°	2.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8263.3	97.7
0°-180°	8459.1	100.0



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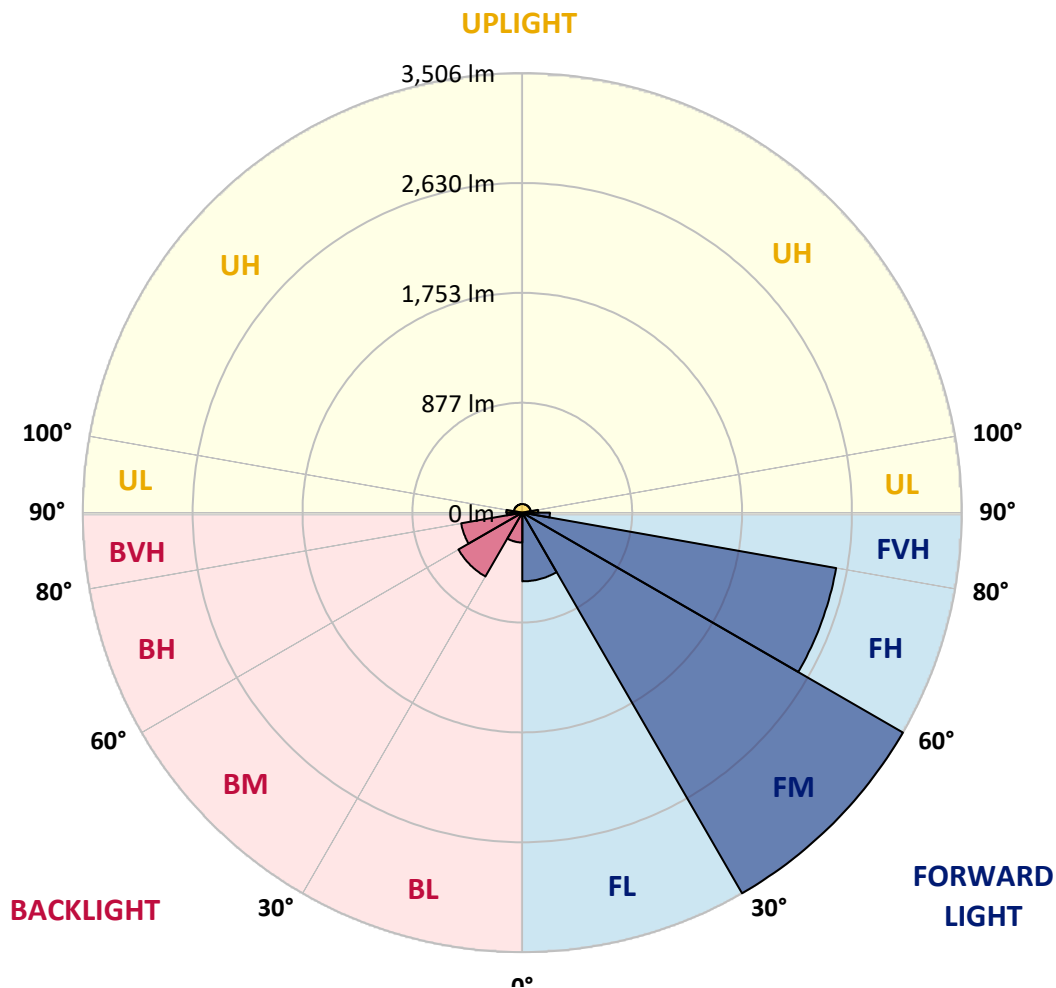
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	548.3	6.5			
FM	(30°-60°)	3506.5	41.5			
FH	(60°-80°)	2542.2	30.1			G2/5000
FVH	(80°-90°)	220.2	2.6			G2/225
BL	(0°-30°)	238.3	2.8	B1/500		
BM	(30°-60°)	588.4	7.0	B1/1000		
BH	(60°-80°)	494.7	5.8	B1/500		G1/500
BVH	(80°-90°)	124.7	1.5			G2/225
UL	(90°-100°)	127.5	1.5		U3/500	
UH	(100°-180°)	68.3	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9
2.5°	1176.8	1242.9	1272.7	1305.8	1335.5	1319.0	1292.5	1252.9	1216.5	1203.3	1163.6
5°	1299.1	1292.5	1289.2	1279.3	1262.8	1233.0	1196.7	1338.8	1282.6	1259.5	1193.4
7.5°	1143.8	1325.6	1345.4	1365.3	1358.6	1322.3	1276.0	1147.1	1196.7	1166.9	1084.3
10°	1398.3	1398.3	1391.7	1398.3	1322.3	1262.8	1081.0	1004.9	968.6	1047.9	971.9
12.5°	1190.1	1295.8	1428.1	1454.5	1338.8	1173.5	1097.5	1061.1	836.3	826.4	885.9
15°	1385.1	1401.6	1404.9	1411.5	1140.5	1229.7	1014.9	942.1	1067.7	1038.0	1047.9
17.5°	1114.0	1130.5	1345.4	1332.2	1226.4	981.8	1186.7	1064.4	981.8	945.4	932.2
20°	1401.6	1404.9	1395.0	1127.2	1183.4	1282.6	1110.7	1077.7	1196.7	1193.4	1143.8
22.5°	1193.4	1196.7	1233.0	1358.6	1223.1	1295.8	1117.3	1345.4	1133.9	1137.2	882.6
25°	1596.7	1600.0	1566.9	1209.9	1375.2	1216.5	1355.3	1209.9	1447.9	1401.6	1292.5
27.5°	1676.0	1553.7	1428.1	1500.8	1312.4	1510.7	1289.2	1464.4	1573.5	1563.6	1580.1
30°	2125.6	2132.2	2046.2	1642.9	1537.2	1490.9	1487.6	1738.8	2155.3	2171.8	1897.5
32.5°	2879.3	2839.6	2416.5	2026.4	1656.2	1818.1	1669.4	2013.2	2330.5	2320.6	2033.0
35°	3223.1	3183.4	3024.7	2502.4	1914.0	1963.6	1884.2	2142.1	2571.8	2495.8	2168.5
37.5°	3514.0	3507.3	3375.1	2757.0	2175.2	2247.9	2013.2	2300.8	2780.1	2700.8	2307.4
40°	3765.2	3742.1	3626.4	2985.0	2442.9	2446.2	2175.2	2492.5	2965.2	2985.0	2442.9
42.5°	3973.5	3953.6	3857.8	3213.1	2601.6	2621.4	2347.0	2687.5	3213.1	3249.5	2654.5
45°	4059.4	4069.3	4003.2	3418.1	2743.7	2780.1	2552.0	2885.9	3477.6	3507.3	2842.9
47.5°	4122.2	4125.5	4109.0	3586.7	2895.8	2912.3	2753.6	3064.4	3861.1	3801.6	3064.4
50°	3980.1	3966.8	3983.4	3715.6	3028.0	3047.9	2922.2	3249.5	4135.4	4059.4	3295.8
52.5°	3606.5	3623.0	3794.9	3649.5	3071.0	3110.7	3080.9	3411.5	4515.6	4456.1	3626.4
55°	2667.7	2740.4	3236.3	3378.4	3067.7	3137.1	3226.4	3718.9	4915.6	4826.3	3907.3
57.5°	2158.6	2158.6	2449.5	2915.6	2899.1	3120.6	3375.1	3927.2	5232.9	5170.1	4188.3
60°	1732.2	1732.2	1890.9	2314.0	2571.8	3037.9	3527.2	4234.6	5533.7	5497.4	4436.3
62.5°	1358.6	1355.3	1487.6	1725.6	2109.0	2856.1	3606.5	4499.1	5910.6	5904.0	4832.9
65°	981.8	995.0	1107.4	1256.2	1656.2	2515.6	3603.2	4737.1	6363.5	6383.3	5279.2
67.5°	727.3	733.9	796.7	905.8	1137.2	2085.9	3444.5	4902.4	6875.9	6842.8	5563.5
70°	558.7	568.6	595.0	651.2	757.0	1550.4	3061.1	4786.7	7180.0	7117.2	5669.3
72.5°	469.4	472.7	469.4	499.2	505.8	1051.2	2452.8	4347.0	7054.4	6955.2	5378.4
75°	400.0	396.7	393.4	400.0	373.5	694.2	1758.6	3679.2	6512.2	6340.3	4750.3
77.5°	343.8	340.5	327.3	330.6	297.5	512.4	1200.0	2885.9	5487.5	5084.2	3570.2
80°	284.3	284.3	274.4	274.4	251.2	390.1	766.9	1990.0	3196.6	2876.0	1857.8
82.5°	221.5	218.2	218.2	224.8	214.9	304.1	502.5	991.7	1319.0	1236.3	869.4
85°	119.0	119.0	135.5	152.1	148.8	185.1	383.5	585.1	780.1	753.7	485.9
87.5°	36.4	36.4	39.7	49.6	52.9	99.2	241.3	284.3	353.7	390.1	383.5
90°	39.7	36.4	26.4	29.8	33.1	72.7	224.8	274.4	357.0	396.7	406.6
92.5°	46.3	43.0	26.4	26.4	33.1	59.5	214.9	267.8	390.1	429.7	439.7
95°	49.6	46.3	26.4	26.4	33.1	52.9	191.7	264.5	416.5	469.4	469.4
97.5°	46.3	43.0	19.8	23.1	29.8	46.3	148.8	218.2	290.9	320.7	370.2
100°	39.7	39.7	13.2	19.8	26.4	33.1	85.9	119.0	85.9	82.6	82.6
102.5°	36.4	36.4	13.2	16.5	19.8	23.1	39.7	62.8	19.8	23.1	29.8
105°	36.4	39.7	9.9	13.2	13.2	13.2	19.8	33.1	16.5	19.8	29.8
107.5°	36.4	39.7	9.9	9.9	13.2	9.9	9.9	13.2	16.5	19.8	33.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	23.1	23.1	6.6	9.9	9.9	9.9	6.6	9.9	16.5	23.1	33.1
115°	16.5	13.2	6.6	9.9	6.6	9.9	6.6	9.9	16.5	23.1	29.8
117.5°	13.2	9.9	6.6	6.6	6.6	6.6	3.3	9.9	19.8	26.4	36.4
120°	13.2	13.2	6.6	6.6	6.6	6.6	3.3	9.9	29.8	33.1	46.3
122.5°	13.2	13.2	6.6	6.6	6.6	6.6	3.3	6.6	26.4	36.4	49.6
125°	13.2	13.2	6.6	6.6	6.6	6.6	3.3	6.6	23.1	33.1	43.0
127.5°	13.2	13.2	6.6	3.3	6.6	6.6	6.6	6.6	19.8	26.4	36.4
130°	13.2	13.2	6.6	3.3	6.6	6.6	6.6	6.6	16.5	19.8	29.8
132.5°	9.9	9.9	6.6	3.3	6.6	3.3	3.3	6.6	13.2	16.5	23.1
135°	6.6	6.6	6.6	3.3	6.6	3.3	3.3	3.3	6.6	9.9	16.5
137.5°	3.3	6.6	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	6.6
140°	3.3	3.3	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	3.3
142.5°	3.3	3.3	3.3	3.3	6.6	6.6	3.3	3.3	3.3	3.3	3.3
145°	3.3	3.3	3.3	3.3	9.9	6.6	3.3	3.3	3.3	3.3	3.3
147.5°	3.3	3.3	3.3	13.2	9.9	6.6	3.3	3.3	3.3	3.3	3.3
150°	16.5	16.5	16.5	13.2	9.9	6.6	9.9	3.3	3.3	3.3	3.3
152.5°	16.5	16.5	19.8	9.9	6.6	3.3	3.3	13.2	9.9	6.6	6.6
155°	13.2	9.9	9.9	3.3	3.3	3.3	3.3	3.3	9.9	13.2	13.2
157.5°	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	6.6	3.3	3.3
160°	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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°	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9
2.5°	1140.5	1114.0	1051.2	1004.9	948.7	899.2	856.2	760.3	743.8	733.9	730.6
5°	1140.5	1084.3	962.0	813.2	697.5	671.1	657.8	657.8	651.2	654.5	657.8
7.5°	1011.5	935.5	750.4	634.7	654.5	654.5	657.8	641.3	588.4	595.0	585.1
10°	885.9	790.1	565.3	515.7	565.3	568.6	644.6	674.4	684.3	687.6	687.6
12.5°	816.5	681.0	489.2	505.8	456.2	522.3	614.9	687.6	624.8	591.7	591.7
15°	938.8	806.6	548.7	443.0	449.6	522.3	466.1	651.2	674.4	681.0	681.0
17.5°	843.0	710.7	502.5	456.2	502.5	429.7	525.6	598.3	571.9	542.1	538.8
20°	1011.5	839.6	562.0	446.3	443.0	509.1	466.1	489.2	611.6	614.9	611.6
22.5°	786.8	671.1	499.2	505.8	443.0	485.9	459.5	505.8	482.6	479.3	482.6
25°	1090.9	869.4	575.2	436.4	462.8	429.7	462.8	426.4	512.4	519.0	522.3
27.5°	1335.5	1038.0	611.6	472.7	403.3	439.7	413.2	426.4	396.7	413.2	419.8
30°	1590.0	1209.9	747.1	522.3	426.4	376.8	383.5	380.2	429.7	426.4	419.8
32.5°	1672.7	1233.0	714.0	545.4	423.1	380.2	350.4	373.5	409.9	439.7	443.0
35°	1755.3	1249.6	687.6	522.3	413.2	357.0	343.8	383.5	413.2	416.5	426.4
37.5°	1851.2	1262.8	661.1	489.2	383.5	350.4	340.5	357.0	423.1	416.5	406.6
40°	1940.4	1269.4	628.1	459.5	350.4	343.8	317.3	357.0	373.5	386.8	393.4
42.5°	2099.1	1309.1	601.6	433.0	327.3	327.3	304.1	333.9	383.5	390.1	386.8
45°	2214.8	1295.8	565.3	409.9	304.1	290.9	297.5	363.6	386.8	426.4	419.8
47.5°	2380.1	1328.9	522.3	373.5	284.3	267.8	281.0	353.7	396.7	426.4	433.0
50°	2542.1	1322.3	485.9	343.8	271.1	254.5	310.7	343.8	390.1	439.7	439.7
52.5°	2753.6	1332.2	469.4	317.3	254.5	254.5	320.7	347.1	400.0	433.0	433.0
55°	2942.1	1295.8	429.7	307.4	251.2	244.6	324.0	360.3	403.3	433.0	436.4
57.5°	3080.9	1223.1	400.0	297.5	247.9	251.2	324.0	390.1	376.8	433.0	443.0
60°	3233.0	1143.8	373.5	297.5	247.9	261.2	333.9	413.2	413.2	452.9	452.9
62.5°	3441.2	1094.2	360.3	300.8	241.3	271.1	363.6	449.6	416.5	479.3	482.6
65°	3616.4	1028.1	350.4	314.0	244.6	284.3	380.2	479.3	436.4	509.1	505.8
67.5°	3619.7	928.9	337.2	327.3	247.9	294.2	380.2	499.2	459.5	535.5	525.6
70°	3461.1	829.7	317.3	327.3	257.8	304.1	380.2	512.4	462.8	578.5	568.6
72.5°	3120.6	677.7	287.6	314.0	274.4	317.3	400.0	509.1	462.8	624.8	614.9
75°	2654.5	542.1	247.9	287.6	274.4	333.9	413.2	505.8	446.3	595.0	575.2
77.5°	2019.8	443.0	208.3	251.2	261.2	340.5	413.2	499.2	433.0	555.4	542.1
80°	1041.3	310.7	168.6	214.9	244.6	333.9	409.9	472.7	386.8	492.5	485.9
82.5°	571.9	228.1	135.5	158.7	205.0	314.0	396.7	426.4	340.5	403.3	386.8
85°	370.2	165.3	109.1	128.9	171.9	261.2	333.9	337.2	241.3	290.9	274.4
87.5°	277.7	95.9	69.4	79.3	119.0	145.5	211.6	218.2	152.1	178.5	168.6
90°	290.9	95.9	72.7	82.6	105.8	109.1	155.4	165.3	119.0	135.5	135.5
92.5°	310.7	95.9	76.0	85.9	95.9	85.9	122.3	135.5	99.2	109.1	105.8
95°	317.3	92.6	82.6	89.3	85.9	69.4	99.2	109.1	82.6	82.6	82.6
97.5°	231.4	66.1	82.6	89.3	79.3	56.2	76.0	85.9	52.9	43.0	43.0
100°	62.8	33.1	79.3	85.9	69.4	46.3	66.1	66.1	33.1	23.1	23.1
102.5°	26.4	26.4	69.4	76.0	52.9	29.8	46.3	46.3	23.1	9.9	9.9
105°	26.4	19.8	49.6	56.2	36.4	16.5	23.1	26.4	16.5	9.9	9.9
107.5°	26.4	19.8	23.1	29.8	16.5	13.2	13.2	13.2	9.9	9.9	9.9



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CATALOG NUMBER: SDL-PA1-100-740-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.1	23.1	13.2	16.5	13.2	9.9	9.9	9.9	13.2	29.8	29.8
115°	29.8	19.8	13.2	13.2	9.9	9.9	6.6	6.6	13.2	36.4	36.4
117.5°	33.1	23.1	13.2	13.2	9.9	6.6	6.6	6.6	16.5	43.0	43.0
120°	39.7	26.4	13.2	9.9	6.6	6.6	6.6	6.6	19.8	46.3	46.3
122.5°	43.0	29.8	13.2	9.9	6.6	3.3	6.6	9.9	23.1	46.3	46.3
125°	36.4	26.4	13.2	9.9	6.6	3.3	6.6	9.9	23.1	43.0	46.3
127.5°	33.1	23.1	13.2	6.6	6.6	3.3	3.3	9.9	19.8	33.1	39.7
130°	26.4	19.8	9.9	6.6	6.6	3.3	3.3	6.6	19.8	29.8	36.4
132.5°	23.1	16.5	9.9	6.6	6.6	3.3	3.3	6.6	19.8	26.4	26.4
135°	16.5	13.2	6.6	6.6	6.6	3.3	6.6	3.3	13.2	23.1	23.1
137.5°	9.9	6.6	6.6	6.6	6.6	3.3	3.3	3.3	9.9	13.2	13.2
140°	3.3	3.3	6.6	6.6	6.6	3.3	3.3	3.3	6.6	6.6	6.6
142.5°	3.3	3.3	6.6	6.6	6.6	3.3	3.3	3.3	6.6	6.6	6.6
145°	3.3	3.3	3.3	6.6	6.6	3.3	3.3	3.3	3.3	3.3	6.6
147.5°	3.3	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	3.3	6.6
150°	3.3	3.3	3.3	6.6	6.6	3.3	3.3	6.6	6.6	6.6	6.6
152.5°	3.3	3.3	6.6	6.6	3.3	3.3	3.3	6.6	6.6	6.6	6.6
155°	9.9	9.9	6.6	6.6	3.3	3.3	0.0	3.3	6.6	6.6	6.6
157.5°	3.3	3.3	6.6	3.3	3.3	3.3	0.0	3.3	3.3	3.3	3.3
160°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	3.3	3.3	3.3	3.3
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°	33.1	33.1	6.6	9.9	9.9	9.9	6.6	9.9	16.5	23.1	33.1
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110°	29.8	19.8	13.2	16.5	13.2	9.9	9.9	9.9	9.9	13.2	16.5
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