

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: P560938

Luminaire Tested: **SDL-PA1-70-750-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-750-U-T3-A
Description: Springdale
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7957.6 lumens
Efficiency: N/A
Efficacy: 110.2 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): 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

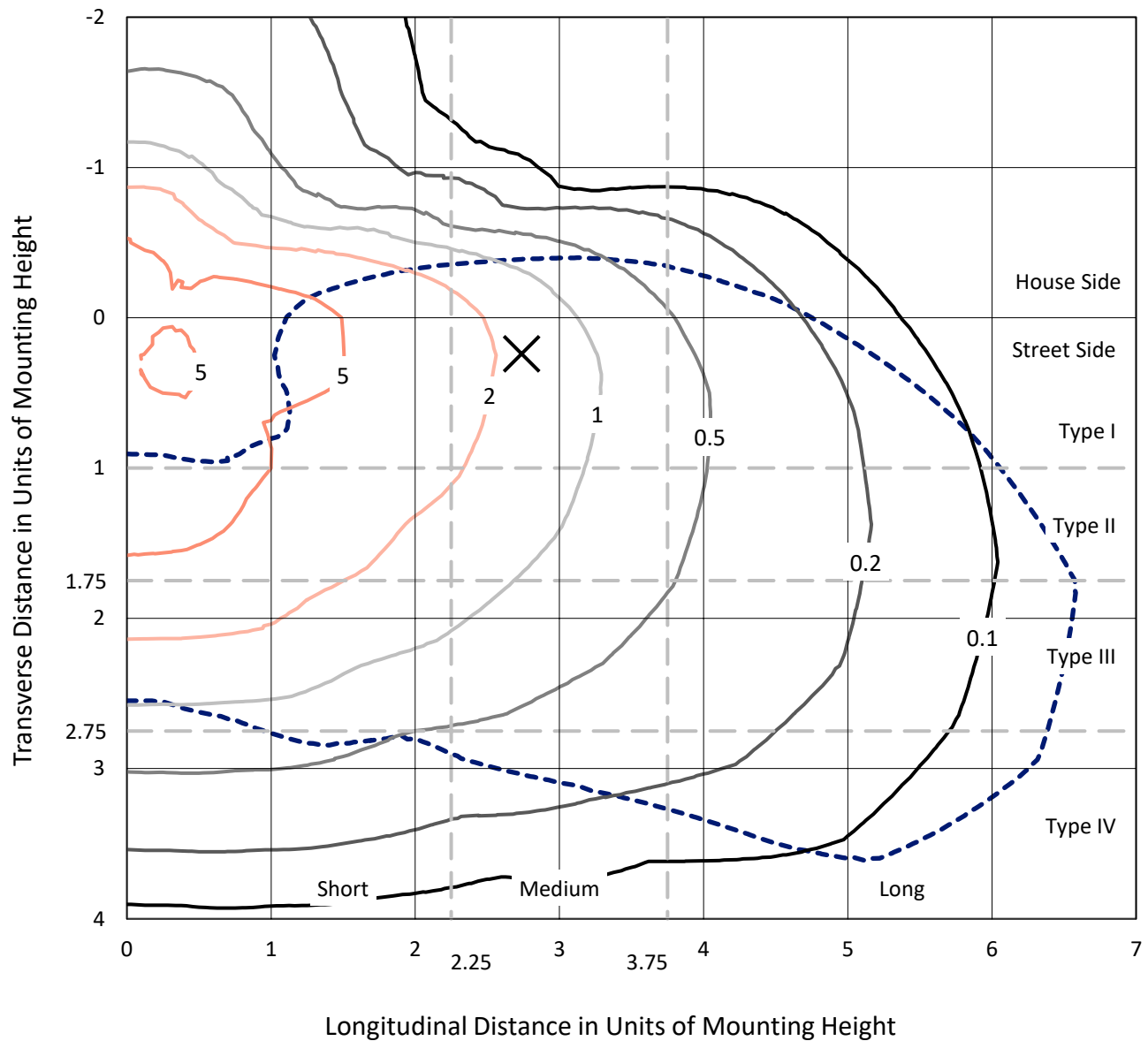


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

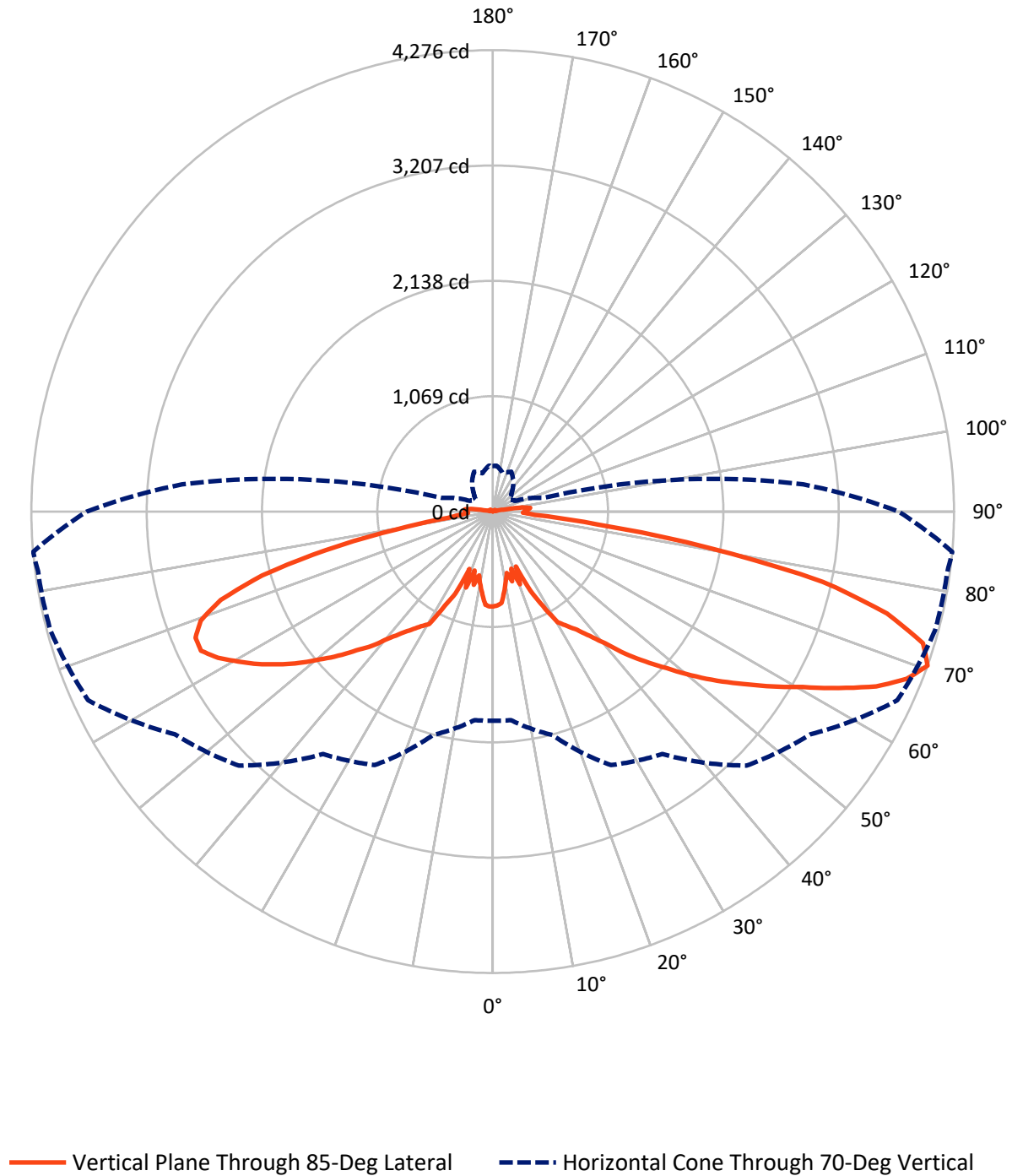


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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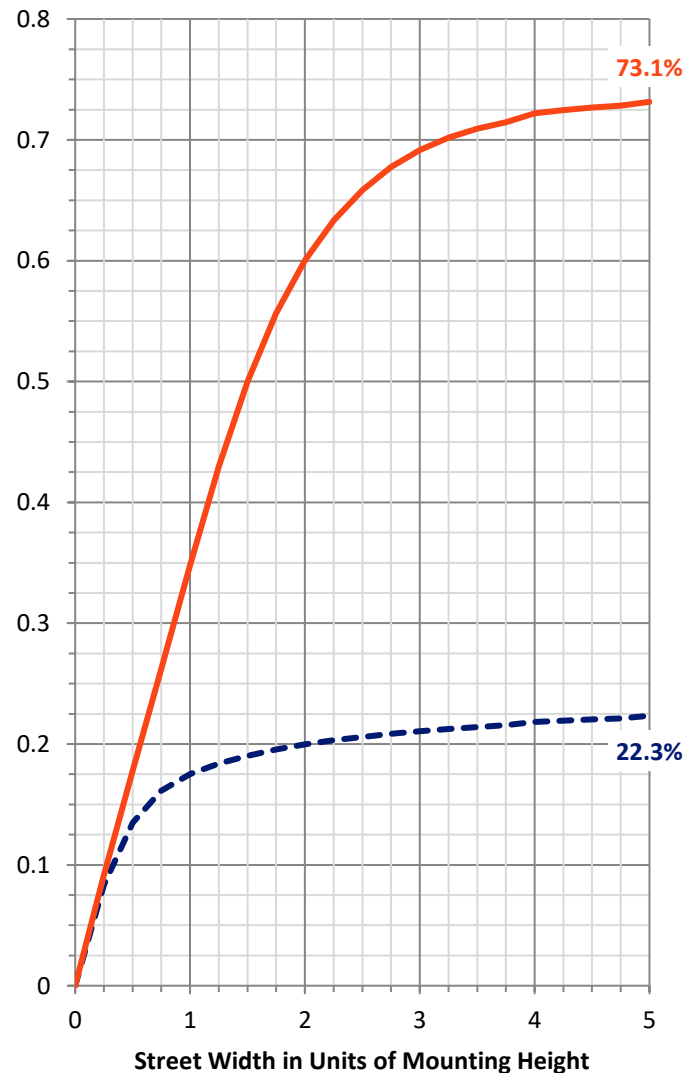
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1870.9	120.5	1991.4
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	5864.3	101.8	5966.1
	% Fixture	73.7	1.3	75.0
Total	Lumens	7735.2	222.4	7957.6
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	0.9
10°-20°	175.6	2.2
20°-30°	319.8	4.0
30°-40°	604.6	7.6
40°-50°	1010.4	12.7
50°-60°	1577.0	19.8
60°-70°	1955.6	24.6
70°-80°	1597.7	20.1
80°-90°	422.9	5.3
90°-100°	160.5	2.0
100°-110°	34.2	0.4
110°-120°	11.1	0.1
120°-130°	8.6	0.1
130°-140°	4.1	0.1
140°-150°	2.0	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7735.2	97.2
0°-180°	7957.6	100.0



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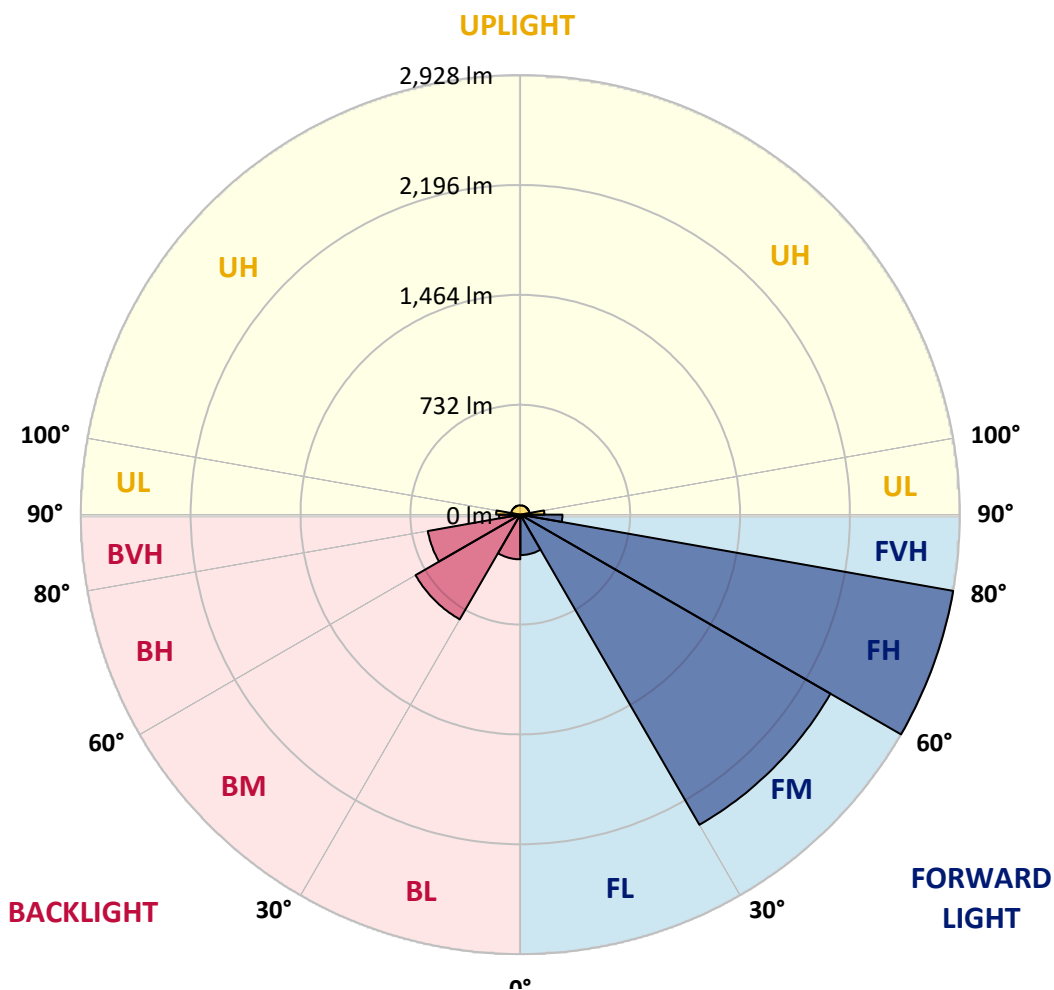
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	269.5	3.4			
FM	(30°-60°)	2386.0	30.0			
FH	(60°-80°)	2928.2	36.8			G2/5000
FVH	(80°-90°)	280.6	3.5			G3/500
BL	(0°-30°)	297.6	3.7	B1/500		
BM	(30°-60°)	805.9	10.1	B1/1000		
BH	(60°-80°)	625.1	7.9	B2/1000		G2/1000
BVH	(80°-90°)	142.3	1.8			G2/225
UL	(90°-100°)	160.5	2.0		U3/500	
UH	(100°-180°)	61.8	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°	55°	65°	75°	82.5°	85°
0°	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2
2.5°	728.0	799.0	786.6	808.2	820.6	839.1	851.4	857.6	863.8	869.9	869.9
5°	675.6	678.7	681.8	684.8	691.0	700.3	709.5	808.2	839.1	851.4	851.4
7.5°	617.0	613.9	626.2	641.6	663.2	675.6	684.8	687.9	721.9	749.6	755.8
10°	613.9	617.0	617.0	623.1	586.1	583.0	539.8	542.9	589.2	660.2	663.2
12.5°	533.7	549.1	583.0	607.7	570.7	512.1	502.8	527.5	493.6	580.0	583.0
15°	595.4	592.3	592.3	567.6	481.2	505.9	450.4	468.9	573.8	654.0	669.4
17.5°	518.3	512.1	573.8	555.3	499.7	422.6	505.9	499.7	518.3	564.5	555.3
20°	650.9	644.7	632.4	481.2	505.9	530.6	515.2	481.2	607.7	678.7	718.8
22.5°	607.7	613.9	644.7	610.8	521.3	546.0	487.4	592.3	573.8	546.0	552.2
25°	829.8	823.7	792.8	598.5	623.1	509.0	595.4	527.5	728.0	808.2	814.4
27.5°	765.0	755.8	734.2	752.7	632.4	666.3	580.0	691.0	805.1	947.0	990.2
30°	1014.9	1005.7	981.0	758.9	752.7	660.2	703.3	848.3	1085.9	1193.8	1190.7
32.5°	1308.0	1240.1	1089.0	971.7	805.1	857.6	805.1	999.5	1156.8	1261.7	1261.7
35°	1486.9	1474.6	1394.3	1129.1	937.8	934.7	925.5	1101.3	1277.1	1351.2	1345.0
37.5°	1638.1	1659.6	1601.0	1308.0	1058.1	1082.8	1036.5	1240.1	1425.2	1468.4	1462.2
40°	1847.8	1841.7	1810.8	1462.2	1206.2	1203.1	1169.2	1406.7	1588.7	1619.5	1604.1
42.5°	2159.4	2125.5	2032.9	1668.9	1363.5	1363.5	1301.8	1564.0	1789.2	1792.3	1801.5
45°	2541.9	2526.5	2363.0	1989.7	1567.1	1564.0	1462.2	1730.6	1992.8	2008.2	1980.5
47.5°	2807.2	2760.9	2680.7	2282.8	1881.8	1810.8	1656.6	1894.1	2236.5	2224.2	2168.6
50°	3069.4	3032.4	2958.4	2603.6	2208.7	2066.8	1838.6	2063.8	2471.0	2437.0	2384.6
52.5°	3294.6	3245.3	3165.1	2865.8	2495.6	2384.6	2048.3	2218.0	2708.5	2653.0	2603.6
55°	3424.2	3322.4	3328.5	3100.3	2711.6	2622.1	2282.8	2467.9	2939.9	2859.7	2819.5
57.5°	3263.8	3257.6	3359.4	3245.3	2909.0	2819.5	2532.7	2717.7	3180.5	3075.6	3057.1
60°	3103.4	3121.9	3266.9	3288.4	3063.3	2998.5	2748.6	3072.5	3414.9	3300.8	3300.8
62.5°	2881.2	2933.7	3137.3	3303.9	3078.7	3174.3	2973.8	3374.8	3671.0	3566.1	3600.0
65°	2628.3	2628.3	2862.7	3177.4	3029.3	3291.5	3223.7	3704.9	3896.2	3834.5	3905.4
67.5°	2282.8	2289.0	2532.7	2930.6	2939.9	3350.1	3424.2	3964.0	4130.6	4084.3	4136.8
70°	1937.3	1940.4	2144.0	2591.3	2742.4	3328.5	3596.9	4136.8	4244.7	4250.9	4275.6
72.5°	1449.9	1502.3	1693.6	2103.9	2400.0	3239.1	3686.4	4186.1	4241.7	4250.9	4170.7
75°	780.5	805.1	1018.0	1369.7	1783.0	2872.0	3658.6	4133.7	4093.6	3985.6	3775.8
77.5°	271.5	283.8	357.8	598.5	1011.8	2032.9	3393.3	3905.4	3775.8	3436.5	3128.0
80°	175.8	175.8	194.3	286.9	459.6	962.5	2634.5	3347.1	3041.7	2316.7	2029.8
82.5°	123.4	126.5	141.9	191.3	296.1	413.4	1369.7	1699.7	1675.1	1153.7	971.7
85°	89.5	92.5	98.7	111.1	203.6	256.0	533.7	817.5	755.8	413.4	388.7
87.5°	40.1	46.3	40.1	49.4	80.2	157.3	256.0	253.0	240.6	274.6	280.7
90°	30.8	30.8	24.7	27.8	55.5	141.9	237.5	228.3	243.7	299.2	296.1
92.5°	30.8	30.8	24.7	27.8	52.4	141.9	249.9	222.1	253.0	320.8	323.9
95°	30.8	33.9	24.7	24.7	43.2	145.0	265.3	237.5	268.4	348.6	348.6
97.5°	27.8	27.8	18.5	21.6	33.9	132.6	265.3	203.6	197.4	280.7	277.6
100°	21.6	24.7	12.3	18.5	24.7	80.2	197.4	126.5	55.5	64.8	98.7
102.5°	21.6	21.6	12.3	15.4	18.5	33.9	104.9	74.0	15.4	21.6	21.6
105°	21.6	24.7	12.3	12.3	12.3	15.4	49.4	37.0	12.3	18.5	21.6
107.5°	24.7	24.7	9.3	9.3	9.3	9.3	18.5	15.4	12.3	21.6	24.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	21.6	21.6	9.3	9.3	6.2	6.2	6.2	9.3	12.3	18.5	21.6
115°	15.4	15.4	6.2	9.3	6.2	6.2	6.2	9.3	9.3	15.4	18.5
117.5°	15.4	12.3	6.2	6.2	3.1	6.2	6.2	9.3	12.3	21.6	21.6
120°	15.4	15.4	6.2	3.1	3.1	3.1	3.1	6.2	15.4	24.7	27.8
122.5°	15.4	15.4	6.2	3.1	3.1	3.1	3.1	6.2	15.4	24.7	27.8
125°	18.5	15.4	9.3	3.1	3.1	3.1	3.1	3.1	12.3	21.6	24.7
127.5°	15.4	15.4	9.3	3.1	3.1	3.1	3.1	3.1	9.3	18.5	21.6
130°	15.4	15.4	9.3	3.1	3.1	3.1	3.1	3.1	9.3	15.4	15.4
132.5°	12.3	12.3	9.3	3.1	3.1	3.1	3.1	3.1	6.2	12.3	12.3
135°	12.3	12.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1	9.3	9.3
137.5°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	0.0	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	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°	9.3	9.3	9.3	6.2	6.2	3.1	6.2	3.1	3.1	3.1	3.1
152.5°	9.3	9.3	12.3	6.2	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°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2
2.5°	873.0	879.2	882.3	891.5	891.5	891.5	869.9	817.5	817.5	820.6	823.7
5°	860.7	866.8	879.2	836.0	792.8	789.7	805.1	814.4	817.5	820.6	814.4
7.5°	762.0	774.3	768.1	771.2	792.8	814.4	832.9	820.6	789.7	768.1	774.3
10°	678.7	691.0	623.1	629.3	654.0	715.7	817.5	851.4	873.0	882.3	882.3
12.5°	595.4	604.6	546.0	632.4	589.2	684.8	795.9	879.2	795.9	762.0	762.0
15°	681.8	700.3	629.3	561.4	573.8	694.1	610.8	839.1	863.8	869.9	876.1
17.5°	583.0	570.7	583.0	592.3	644.7	539.8	700.3	789.7	740.4	721.9	731.1
20°	734.2	746.5	681.8	583.0	589.2	687.9	623.1	706.4	842.2	845.2	851.4
22.5°	558.4	573.8	610.8	694.1	607.7	666.3	657.1	734.2	687.9	691.0	715.7
25°	820.6	832.9	768.1	620.1	663.2	601.5	663.2	654.0	771.2	777.4	777.4
27.5°	1005.7	977.9	839.1	700.3	583.0	635.5	598.5	623.1	595.4	678.7	691.0
30°	1196.9	1196.9	1089.0	780.5	617.0	539.8	546.0	592.3	660.2	672.5	672.5
32.5°	1255.5	1252.4	1113.6	845.2	607.7	558.4	502.8	558.4	675.6	734.2	740.4
35°	1338.8	1326.5	1156.8	823.7	586.1	509.0	475.1	561.4	647.8	657.1	650.9
37.5°	1443.7	1412.9	1209.3	783.6	536.8	478.2	456.6	505.9	580.0	580.0	580.0
40°	1573.3	1523.9	1227.8	728.0	484.3	438.0	416.5	468.9	518.3	490.5	481.2
42.5°	1749.1	1675.1	1243.2	687.9	438.0	404.1	376.4	425.7	450.4	435.0	428.8
45°	1912.6	1801.5	1267.9	644.7	401.0	373.3	348.6	391.8	410.3	394.9	391.8
47.5°	2106.9	1958.9	1271.0	604.6	373.3	348.6	330.1	367.1	379.4	379.4	376.4
50°	2307.5	2110.0	1295.6	570.7	345.5	323.9	320.8	348.6	357.8	351.7	348.6
52.5°	2535.7	2279.7	1304.9	527.5	311.6	296.1	311.6	330.1	357.8	360.9	360.9
55°	2779.4	2437.0	1298.7	468.9	286.9	280.7	302.3	342.4	367.1	348.6	345.5
57.5°	3017.0	2594.4	1301.8	404.1	262.2	274.6	305.4	357.8	376.4	354.8	345.5
60°	3229.8	2736.3	1258.6	345.5	243.7	259.1	317.7	373.3	367.1	373.3	364.0
62.5°	3492.0	2884.3	1135.2	308.5	228.3	253.0	317.7	382.5	357.8	382.5	382.5
65°	3708.0	2995.4	959.4	277.6	215.9	253.0	320.8	385.6	348.6	388.7	388.7
67.5°	3800.5	2992.3	694.1	253.0	200.5	246.8	320.8	397.9	357.8	401.0	397.9
70°	3763.5	2890.5	490.5	234.4	191.3	249.9	333.2	407.2	367.1	425.7	422.6
72.5°	3513.6	2649.9	354.8	219.0	178.9	237.5	342.4	419.5	376.4	462.7	462.7
75°	3094.1	2214.9	286.9	203.6	166.6	234.4	345.5	425.7	382.5	468.9	468.9
77.5°	2366.1	1591.8	240.6	188.2	154.2	228.3	342.4	435.0	379.4	468.9	468.9
80°	1419.0	906.9	200.5	169.7	157.3	225.2	348.6	435.0	379.4	462.7	462.7
82.5°	654.0	416.5	178.9	141.9	148.1	222.1	354.8	428.8	364.0	462.7	444.2
85°	364.0	293.1	154.2	120.3	132.6	209.8	336.2	385.6	327.0	382.5	376.4
87.5°	271.5	228.3	98.7	61.7	86.4	148.1	259.1	305.4	246.8	296.1	293.1
90°	290.0	240.6	89.5	61.7	92.5	135.7	243.7	271.5	228.3	274.6	271.5
92.5°	311.6	253.0	89.5	64.8	104.9	148.1	243.7	265.3	225.2	249.9	253.0
95°	327.0	262.2	86.4	71.0	111.1	160.4	237.5	243.7	206.7	215.9	225.2
97.5°	256.0	197.4	77.1	74.0	108.0	129.6	194.3	191.3	141.9	132.6	132.6
100°	80.2	55.5	67.9	77.1	64.8	61.7	114.1	135.7	83.3	55.5	52.4
102.5°	24.7	21.6	61.7	74.0	49.4	27.8	61.7	86.4	61.7	9.3	12.3
105°	24.7	24.7	40.1	61.7	33.9	12.3	24.7	46.3	37.0	9.3	9.3
107.5°	24.7	21.6	15.4	33.9	12.3	9.3	12.3	12.3	12.3	9.3	9.3



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CATALOG NUMBER: SDL-PA1-70-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.7	24.7	12.3	12.3	9.3	9.3	6.2	6.2	9.3	21.6	21.6
115°	21.6	21.6	12.3	9.3	6.2	9.3	6.2	6.2	9.3	24.7	24.7
117.5°	24.7	24.7	12.3	9.3	6.2	6.2	6.2	3.1	9.3	27.8	30.8
120°	30.8	27.8	15.4	6.2	6.2	6.2	6.2	6.2	12.3	24.7	27.8
122.5°	30.8	30.8	15.4	6.2	3.1	3.1	3.1	6.2	12.3	24.7	27.8
125°	27.8	27.8	15.4	6.2	3.1	3.1	3.1	3.1	12.3	21.6	21.6
127.5°	24.7	24.7	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	15.4	18.5
132.5°	15.4	15.4	9.3	6.2	3.1	3.1	3.1	3.1	9.3	12.3	15.4
135°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	6.2	9.3	12.3
137.5°	6.2	6.2	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	0.0	3.1	3.1	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	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	3.1	3.1	3.1	6.2	6.2	9.3	6.2
152.5°	3.1	3.1	3.1	6.2	3.1	0.0	0.0	6.2	6.2	9.3	9.3
155°	9.3	9.3	6.2	3.1	3.1	0.0	0.0	0.0	6.2	6.2	6.2
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
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°	24.7	24.7	9.3	9.3	6.2	6.2	9.3	9.3	12.3	21.6	24.7
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110°	24.7	24.7	12.3	12.3	9.3	9.3	9.3	6.2	6.2	15.4	15.4
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(END OF REPORT)