

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: P560890

Luminaire Tested: **SDL-PA1-70-730-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560890
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-PA1-70-730-U-T2U-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 7356.5 lumens
Efficiency: N/A
Efficacy: 101.9 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: B2 - U3 - G2

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

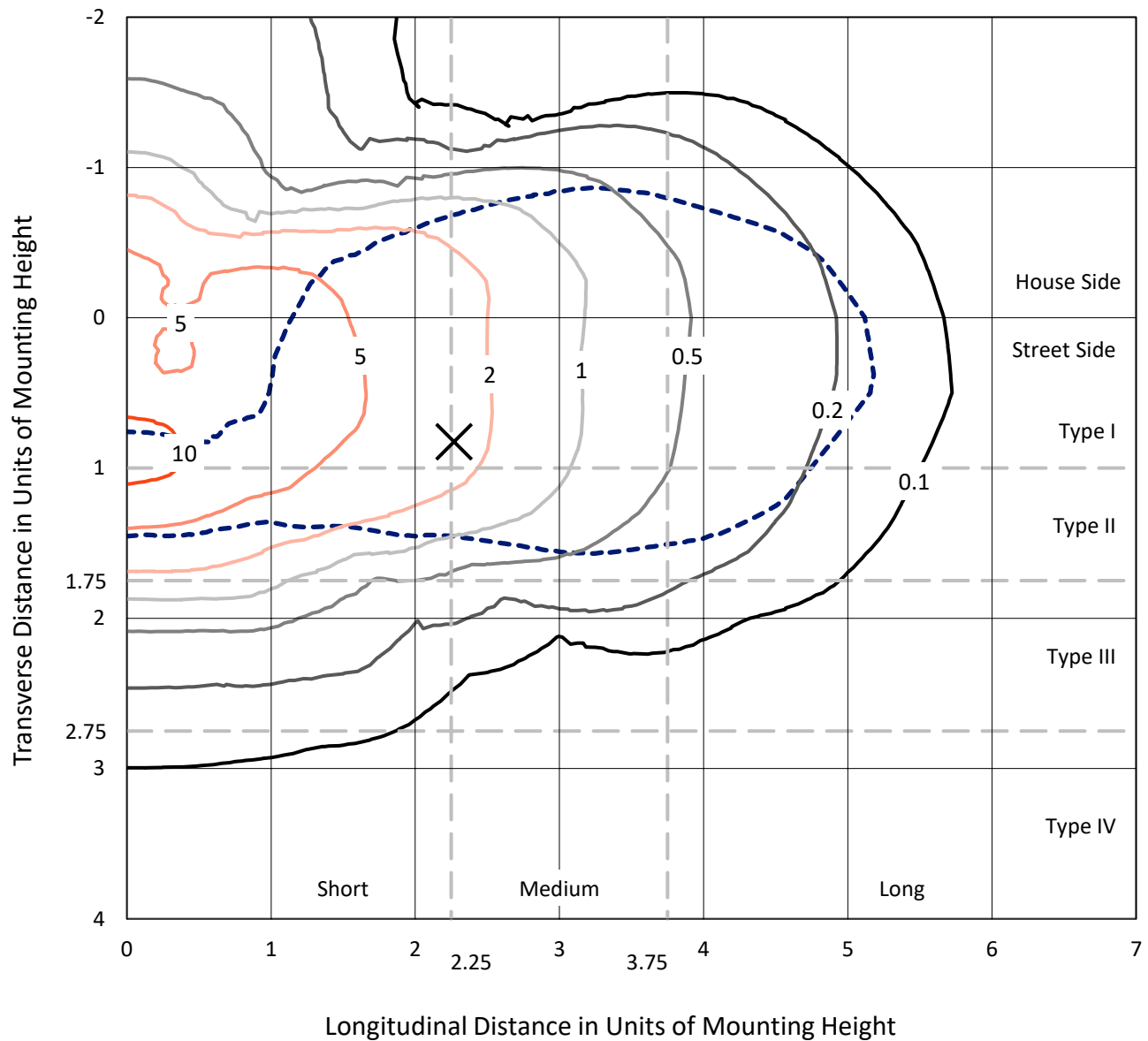


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

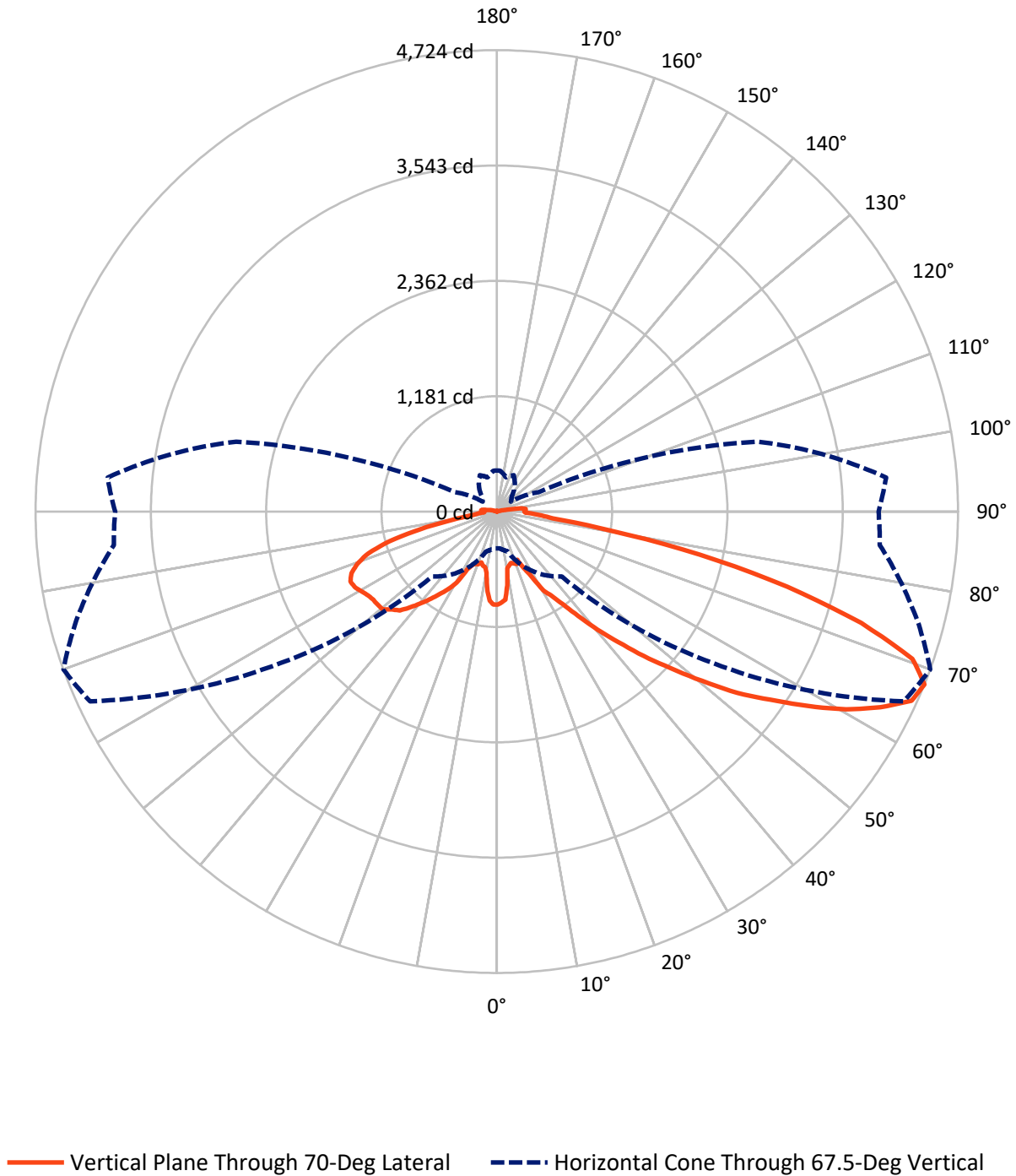


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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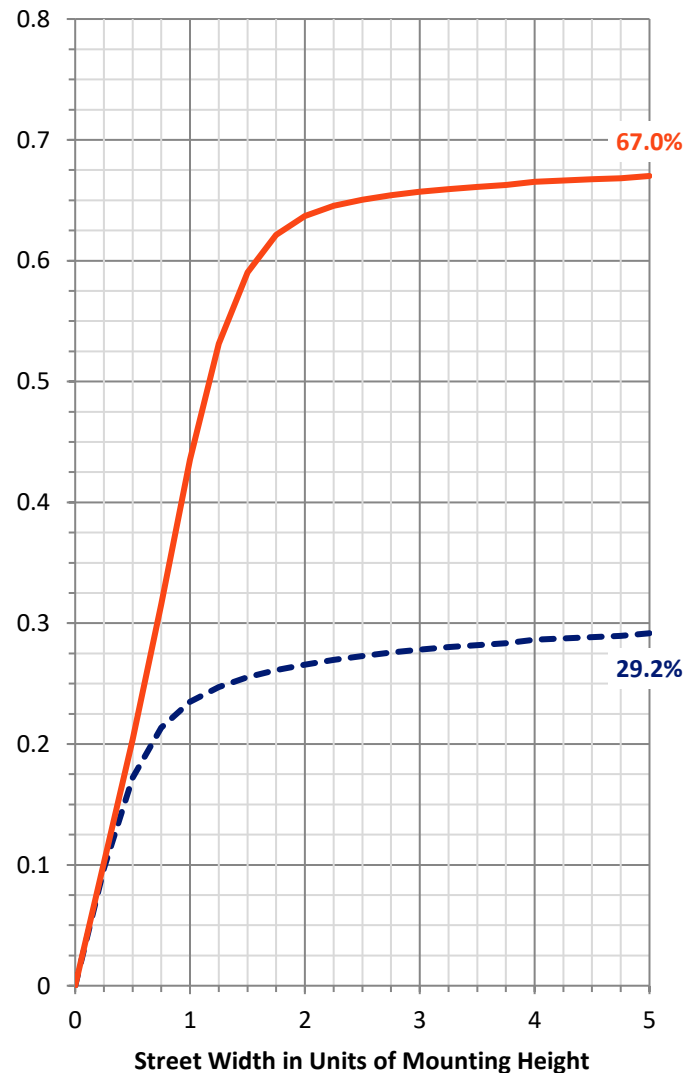
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2212.7	86.8	2299.4
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	4973.2	83.9	5057.1
	% Fixture	67.6	1.1	68.7
Total	Lumens	7185.9	170.6	7356.5
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	1.0
10°-20°	176.5	2.4
20°-30°	313.1	4.3
30°-40°	659.7	9.0
40°-50°	1233.4	16.8
50°-60°	1708.2	23.2
60°-70°	1647.2	22.4
70°-80°	1082.9	14.7
80°-90°	288.6	3.9
90°-100°	118.4	1.6
100°-110°	25.9	0.4
110°-120°	11.2	0.2
120°-130°	8.0	0.1
130°-140°	3.6	0.0
140°-150°	1.9	0.0
150°-160°	1.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7185.9	97.7
0°-180°	7356.5	100.0



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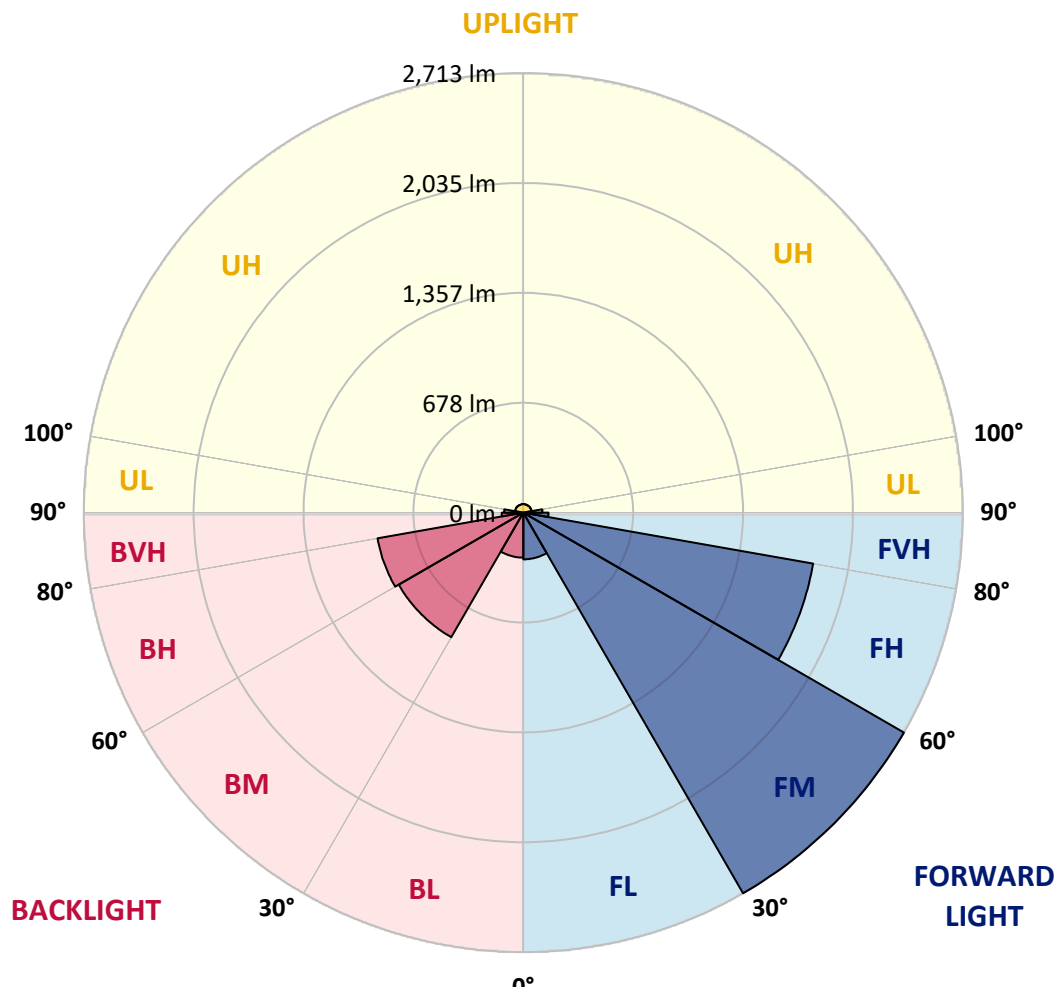
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.3	3.9			
FM	(30°-60°)	2713.0	36.9			
FH	(60°-80°)	1816.6	24.7			G2/5000
FVH	(80°-90°)	155.3	2.1			G2/225
BL	(0°-30°)	277.6	3.8	B1/500		
BM	(30°-60°)	888.4	12.1	B1/1000		
BH	(60°-80°)	913.4	12.4	B2/1000		G2/1000
BVH	(80°-90°)	133.3	1.8			G2/225
UL	(90°-100°)	118.4	1.6		U3/500	
UH	(100°-180°)	52.3	0.7		U3/500	

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°	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1
2.5°	794.8	859.4	839.7	901.5	915.6	929.6	932.4	935.2	932.4	935.2	940.8
5°	749.9	752.7	755.5	761.1	761.1	766.7	777.9	895.9	907.1	915.6	926.8
7.5°	626.3	654.4	707.7	727.4	735.8	747.0	752.7	752.7	763.9	792.0	811.6
10°	696.5	690.9	693.7	696.5	657.2	648.8	589.8	581.3	589.8	609.4	702.1
12.5°	584.2	612.2	671.2	685.3	637.5	564.5	556.1	567.3	564.5	508.3	595.4
15°	676.8	674.0	668.4	657.2	533.6	558.9	480.2	485.9	544.8	584.2	665.6
17.5°	589.8	587.0	665.6	643.1	561.7	435.3	547.6	508.3	556.1	513.9	550.5
20°	733.0	730.2	721.8	536.4	572.9	578.5	530.8	491.5	572.9	592.6	668.4
22.5°	665.6	665.6	719.0	704.9	581.3	612.2	505.5	598.2	536.4	544.8	505.5
25°	915.6	907.1	895.9	654.4	699.3	561.7	626.3	550.5	640.3	693.7	727.4
27.5°	887.5	870.6	859.4	867.8	702.1	735.8	620.7	685.3	738.6	761.1	848.1
30°	1246.9	1224.5	1190.8	909.9	873.4	752.7	749.9	848.1	935.2	1005.4	1053.2
32.5°	1589.6	1595.2	1421.1	1221.7	966.1	1005.4	893.1	994.2	1022.3	1095.3	1123.4
35°	2038.9	1982.8	1873.2	1525.0	1176.7	1137.4	1039.1	1134.6	1162.7	1232.9	1249.8
37.5°	2392.8	2395.6	2227.1	1833.9	1409.8	1376.1	1204.8	1303.1	1353.7	1432.3	1404.2
40°	2732.6	2746.7	2611.9	2151.3	1704.7	1612.0	1404.2	1519.4	1589.6	1637.3	1589.6
42.5°	3035.9	3033.1	2940.4	2502.3	1980.0	1926.6	1614.9	1763.7	1825.5	1870.4	1833.9
45°	3274.6	3266.2	3182.0	2788.8	2305.7	2378.8	1890.1	2044.5	2109.1	2159.7	2069.8
47.5°	3356.1	3311.2	3274.6	2996.6	2609.0	2777.6	2229.9	2317.0	2392.8	2479.9	2333.8
50°	3269.0	3210.1	3224.1	3094.9	2864.6	3111.8	2595.0	2631.5	2724.2	2800.0	2583.8
52.5°	2906.7	2892.7	2971.3	2996.6	2974.1	3367.3	3005.0	2901.1	3083.7	3092.1	2842.1
55°	2429.3	2412.5	2597.8	2701.7	2870.2	3468.4	3353.3	3280.3	3398.2	3384.2	3072.4
57.5°	1957.5	1946.3	2114.8	2286.1	2578.2	3412.3	3597.6	3695.9	3754.9	3676.3	3285.9
60°	1311.5	1334.0	1623.3	1853.6	2109.1	3075.2	3690.3	4083.5	4111.6	3943.1	3510.6
62.5°	836.9	867.8	1053.2	1429.5	1575.5	2496.7	3622.9	4428.9	4412.1	4184.6	3718.4
65°	536.4	547.6	637.5	968.9	1129.0	1654.2	3322.4	4664.8	4667.6	4400.8	3884.1
67.5°	376.3	379.1	421.3	603.8	780.7	940.8	2701.7	4597.4	4723.8	4473.9	3937.4
70°	337.0	339.8	351.1	410.0	592.6	584.2	1637.3	4108.8	4516.0	4378.4	3856.0
72.5°	300.5	303.3	323.0	356.7	455.0	457.8	783.6	3271.8	3903.7	4038.5	3614.5
75°	250.0	255.6	278.0	334.2	351.1	384.8	525.2	2300.1	3072.4	3479.7	3328.0
77.5°	210.6	213.4	230.3	283.7	306.1	311.7	449.4	1275.0	2123.2	2561.3	2932.0
80°	168.5	168.5	182.5	224.7	252.8	255.6	401.6	674.0	1176.7	1550.3	2038.9
82.5°	109.5	112.3	129.2	168.5	188.2	252.8	356.7	491.5	575.7	747.0	926.8
85°	70.2	70.2	81.4	95.5	112.3	193.8	314.5	407.2	429.7	469.0	421.3
87.5°	33.7	33.7	30.9	36.5	42.1	73.0	219.1	289.3	292.1	286.5	308.9
90°	28.1	28.1	22.5	25.3	28.1	39.3	165.7	283.7	280.8	292.1	320.2
92.5°	30.9	30.9	22.5	25.3	28.1	33.7	120.8	286.5	294.9	308.9	339.8
95°	33.7	33.7	22.5	22.5	25.3	30.9	75.8	247.1	297.7	311.7	351.1
97.5°	30.9	30.9	16.9	19.7	22.5	28.1	47.7	185.4	233.1	244.3	278.0
100°	28.1	28.1	14.0	16.9	19.7	22.5	30.9	95.5	101.1	75.8	106.7
102.5°	25.3	28.1	11.2	14.0	14.0	14.0	19.7	44.9	44.9	25.3	28.1
105°	25.3	28.1	11.2	11.2	8.4	11.2	11.2	16.9	19.7	14.0	22.5
107.5°	28.1	28.1	11.2	11.2	8.4	8.4	8.4	11.2	14.0	11.2	22.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	16.9	16.9	8.4	11.2	5.6	5.6	5.6	8.4	11.2	14.0	30.9
115°	14.0	11.2	5.6	8.4	5.6	5.6	5.6	8.4	8.4	11.2	25.3
117.5°	14.0	11.2	5.6	5.6	2.8	5.6	5.6	8.4	8.4	11.2	22.5
120°	14.0	14.0	5.6	2.8	2.8	2.8	2.8	5.6	8.4	14.0	25.3
122.5°	16.9	14.0	5.6	5.6	2.8	2.8	2.8	5.6	8.4	14.0	25.3
125°	16.9	16.9	8.4	5.6	2.8	2.8	2.8	5.6	8.4	11.2	22.5
127.5°	16.9	14.0	8.4	5.6	2.8	2.8	2.8	2.8	5.6	8.4	19.7
130°	14.0	14.0	8.4	2.8	2.8	2.8	2.8	2.8	5.6	5.6	14.0
132.5°	11.2	11.2	8.4	2.8	2.8	2.8	2.8	2.8	2.8	5.6	11.2
135°	8.4	8.4	5.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8	8.4
137.5°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.6	5.6	2.8	2.8	2.8	2.8	2.8	2.8
150°	5.6	5.6	11.2	8.4	5.6	2.8	5.6	2.8	2.8	2.8	2.8
152.5°	8.4	8.4	11.2	8.4	2.8	2.8	2.8	5.6	2.8	2.8	2.8
155°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	2.8	5.6	5.6	8.4
157.5°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	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°	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1
2.5°	943.6	943.6	952.1	954.9	952.1	949.3	932.4	881.9	851.0	853.8	853.8
5°	929.6	932.4	940.8	890.3	828.5	834.1	842.5	845.3	845.3	851.0	851.0
7.5°	820.1	822.9	800.4	808.8	828.5	842.5	848.1	834.1	789.2	772.3	772.3
10°	710.5	710.5	631.9	634.7	657.2	699.3	831.3	845.3	859.4	862.2	859.4
12.5°	601.0	603.8	539.2	620.7	592.6	668.4	766.7	848.1	783.6	719.0	727.4
15°	671.2	676.8	606.6	533.6	547.6	660.0	572.9	786.4	792.0	792.0	792.0
17.5°	539.2	570.1	536.4	550.5	606.6	497.1	648.8	719.0	660.0	643.1	643.1
20°	671.2	671.2	612.2	530.8	561.7	645.9	575.7	640.3	752.7	752.7	749.9
22.5°	499.9	499.9	536.4	615.0	564.5	637.5	609.4	662.8	598.2	598.2	615.0
25°	721.8	713.3	651.6	544.8	643.1	589.8	612.2	578.5	676.8	685.3	679.6
27.5°	870.6	865.0	699.3	626.3	603.8	629.1	550.5	539.2	519.6	598.2	589.8
30°	1030.7	1016.7	915.6	755.5	662.8	530.8	497.1	516.8	572.9	575.7	572.9
32.5°	1106.5	1075.6	963.3	904.3	676.8	547.6	446.5	460.6	570.1	603.8	603.8
35°	1210.4	1176.7	1050.4	985.8	674.0	483.1	396.0	446.5	513.9	516.8	516.8
37.5°	1353.7	1303.1	1196.4	1033.5	629.1	426.9	365.1	396.0	443.7	457.8	463.4
40°	1519.4	1454.8	1359.3	1064.4	564.5	359.5	325.8	365.1	401.6	390.4	390.4
42.5°	1752.5	1657.0	1519.4	1112.1	483.1	317.4	297.7	334.2	359.5	365.1	362.3
45°	1971.5	1853.6	1707.5	1129.0	393.2	286.5	278.0	317.4	342.6	334.2	334.2
47.5°	2218.7	2069.8	1848.0	1089.7	323.0	269.6	278.0	306.1	317.4	331.4	331.4
50°	2463.0	2302.9	2053.0	1027.9	286.5	258.4	278.0	294.9	317.4	325.8	323.0
52.5°	2684.9	2544.4	2176.5	918.4	266.8	250.0	269.6	294.9	323.0	337.0	337.0
55°	2926.4	2783.2	2288.9	820.1	250.0	233.1	278.0	306.1	314.5	323.0	323.0
57.5°	3108.9	2996.6	2412.5	733.0	238.7	233.1	283.7	320.2	317.4	325.8	325.8
60°	3330.8	3232.5	2524.8	690.9	221.9	221.9	294.9	345.4	323.0	348.2	348.2
62.5°	3566.7	3507.7	2634.3	660.0	205.0	216.3	297.7	365.1	334.2	373.5	376.3
65°	3794.2	3805.4	2735.4	587.0	191.0	216.3	303.3	390.4	345.4	396.0	401.6
67.5°	3909.4	4002.0	2763.5	471.8	176.9	213.4	320.2	410.0	362.3	418.5	421.3
70°	3886.9	4007.6	2698.9	348.2	165.7	224.7	345.4	426.9	370.7	446.5	446.5
72.5°	3690.3	3777.4	2507.9	264.0	154.5	216.3	351.1	432.5	376.3	491.5	491.5
75°	3412.3	3322.4	2064.2	219.1	146.0	216.3	342.6	426.9	370.7	480.2	477.4
77.5°	2960.1	2659.6	1423.9	193.8	137.6	207.8	320.2	415.6	353.9	446.5	452.2
80°	1898.5	1637.3	727.4	168.5	146.0	199.4	308.9	384.8	328.6	398.8	401.6
82.5°	865.0	727.4	331.4	148.8	143.2	179.7	280.8	342.6	286.5	339.8	337.0
85°	365.1	370.7	261.2	126.4	126.4	140.4	207.8	266.8	221.9	238.7	233.1
87.5°	283.7	272.4	179.7	75.8	81.4	61.8	134.8	191.0	146.0	154.5	151.7
90°	300.5	294.9	191.0	78.6	59.0	36.5	101.1	148.8	109.5	98.3	95.5
92.5°	320.2	317.4	213.4	84.3	59.0	30.9	87.1	120.8	78.6	67.4	64.6
95°	342.6	342.6	233.1	89.9	59.0	30.9	78.6	92.7	59.0	44.9	42.1
97.5°	272.4	278.0	199.4	92.7	56.2	30.9	70.2	75.8	44.9	25.3	25.3
100°	109.5	120.8	109.5	92.7	50.6	25.3	56.2	59.0	30.9	14.0	14.0
102.5°	25.3	30.9	75.8	81.4	39.3	16.9	36.5	36.5	19.7	8.4	8.4
105°	25.3	22.5	50.6	64.6	22.5	11.2	16.9	22.5	11.2	5.6	5.6
107.5°	25.3	25.3	22.5	30.9	11.2	8.4	8.4	8.4	5.6	5.6	5.6



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CATALOG NUMBER: SDL-PA1-70-730-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.7	30.9	14.0	11.2	8.4	8.4	5.6	5.6	8.4	28.1	28.1
115°	28.1	25.3	14.0	8.4	8.4	8.4	5.6	2.8	8.4	30.9	30.9
117.5°	25.3	22.5	14.0	8.4	5.6	8.4	5.6	2.8	8.4	30.9	30.9
120°	28.1	25.3	14.0	8.4	5.6	5.6	5.6	2.8	8.4	28.1	28.1
122.5°	28.1	28.1	16.9	5.6	5.6	2.8	5.6	2.8	8.4	25.3	25.3
125°	25.3	22.5	14.0	5.6	2.8	2.8	2.8	2.8	11.2	22.5	25.3
127.5°	22.5	19.7	11.2	5.6	2.8	2.8	2.8	2.8	8.4	16.9	19.7
130°	16.9	16.9	8.4	5.6	2.8	2.8	2.8	2.8	8.4	16.9	14.0
132.5°	11.2	11.2	8.4	5.6	2.8	2.8	2.8	2.8	8.4	11.2	11.2
135°	8.4	8.4	5.6	2.8	2.8	2.8	2.8	2.8	5.6	8.4	8.4
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	5.6	2.8	2.8	5.6	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	2.8	8.4	8.4	5.6
155°	8.4	8.4	5.6	2.8	2.8	2.8	2.8	2.8	5.6	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	0.0	0.0	2.8	0.0
160°	0.0	0.0	2.8	2.8	2.8	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°	25.3	25.3	8.4	11.2	5.6	5.6	5.6	8.4	11.2	25.3
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110°	28.1	25.3	11.2	11.2	8.4	8.4	5.6	5.6	2.8	16.9	19.7
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(END OF REPORT)