

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: P561096

Luminaire Tested: **SDL-PA1-80-740-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561096
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-PA1-80-740-U-T4W-A
Description: Springdale
(1) 70 CRI, 4000K, 1050mA 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: 8607.3 lumens
Efficiency: N/A
Efficacy: 105.0 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): 82
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

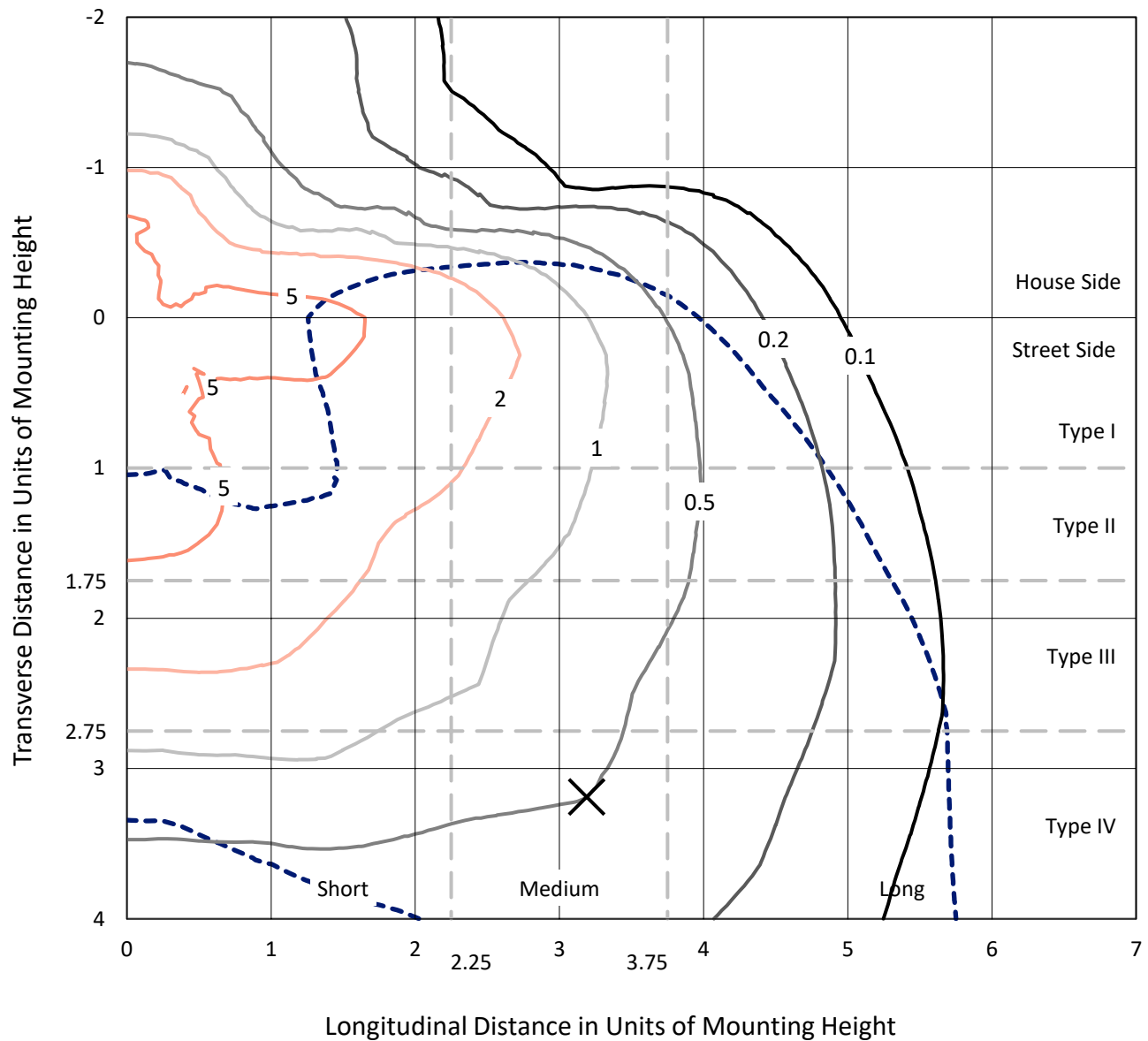


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

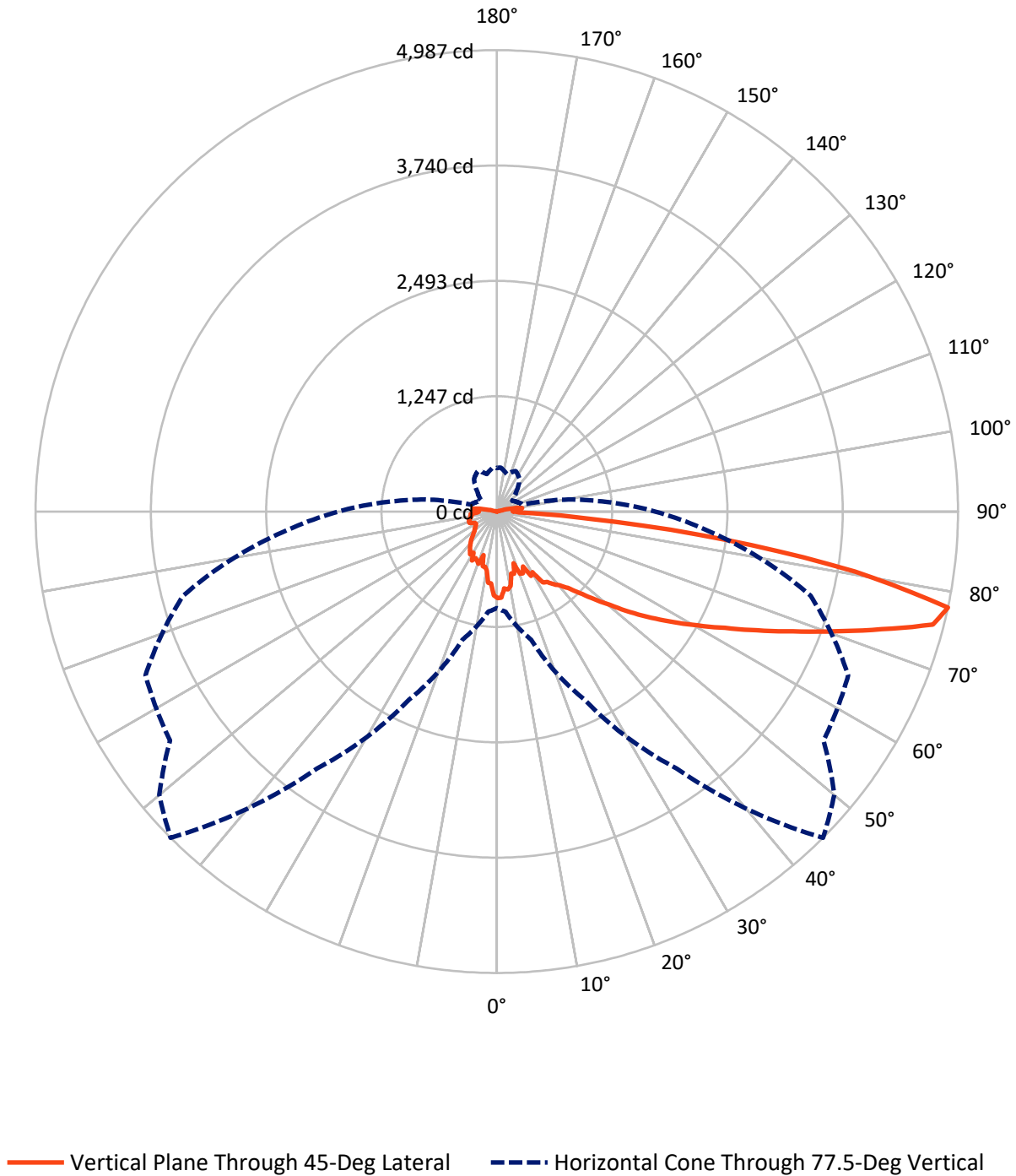


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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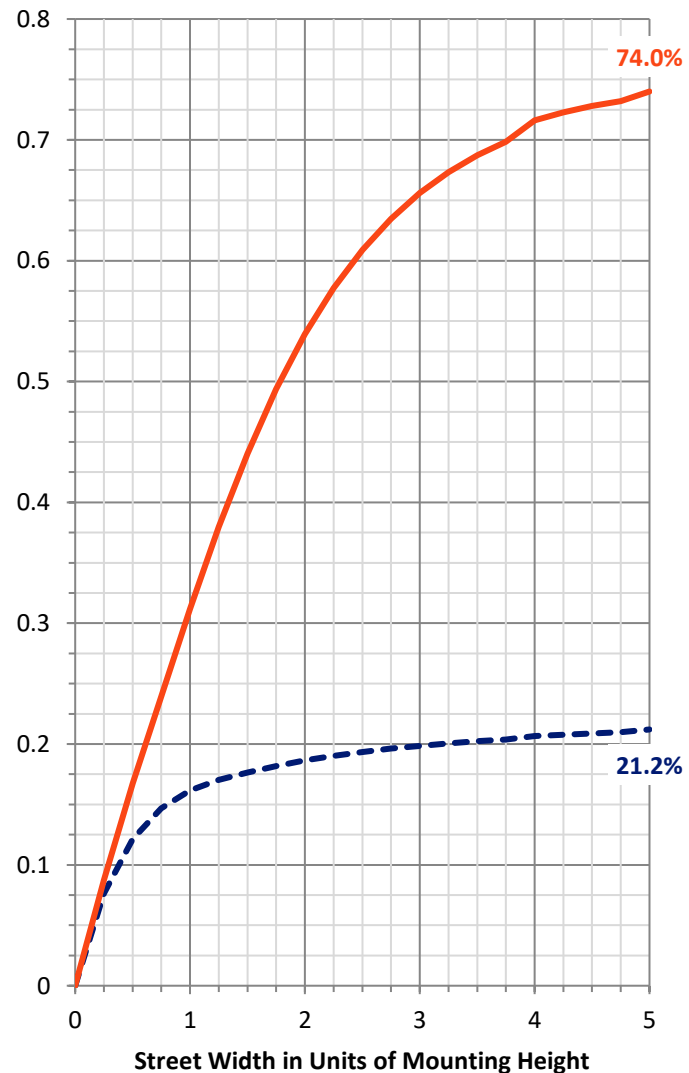
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1926.5	143.7	2070.2
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	6420.8	116.3	6537.1
	% Fixture	74.6	1.4	75.9
Total	Lumens	8347.3	260.0	8607.3
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	0.9
10°-20°	192.4	2.2
20°-30°	332.9	3.9
30°-40°	589.8	6.9
40°-50°	914.3	10.6
50°-60°	1471.9	17.1
60°-70°	2164.6	25.1
70°-80°	2084.1	24.2
80°-90°	519.7	6.0
90°-100°	193.8	2.3
100°-110°	42.9	0.5
110°-120°	9.3	0.1
120°-130°	7.7	0.1
130°-140°	3.3	0.0
140°-150°	1.4	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8347.3	97.0
0°-180°	8607.3	100.0



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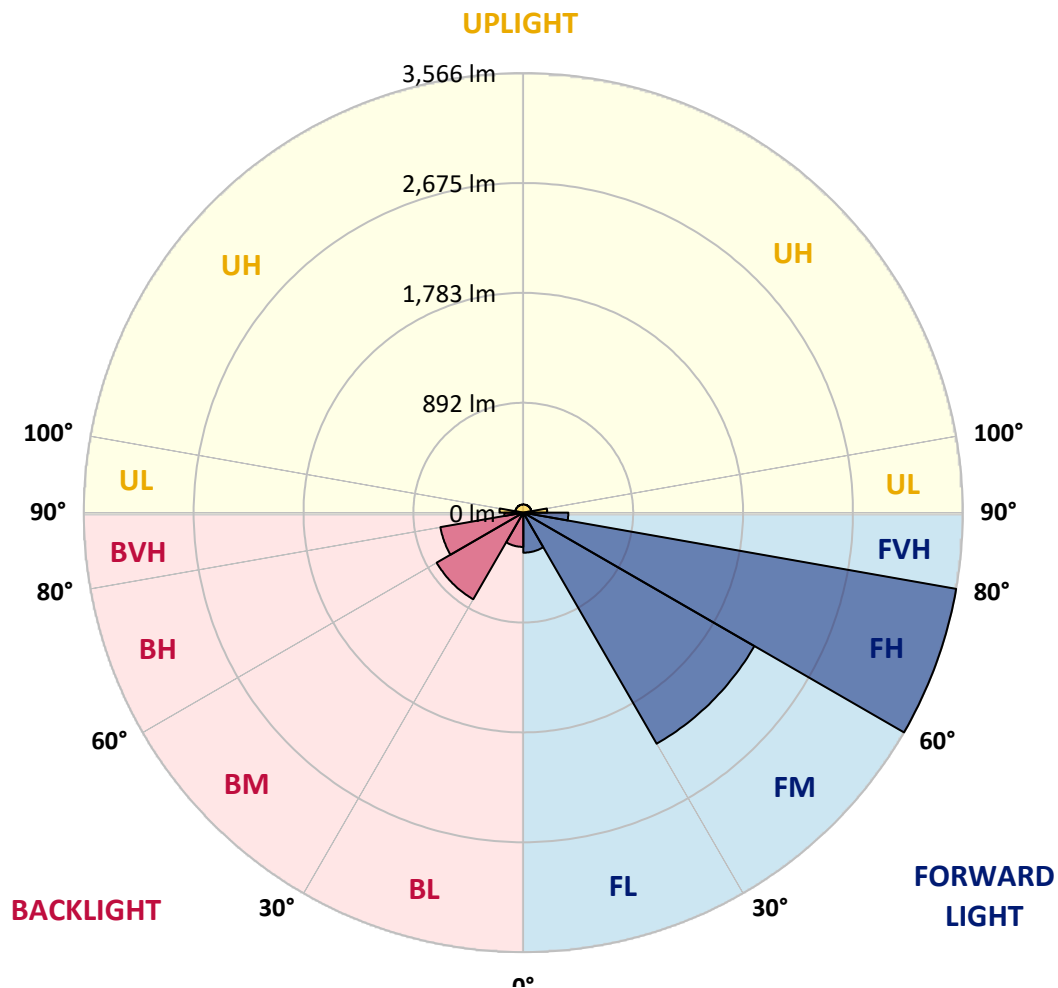
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.9	3.8			
FM	(30°-60°)	2164.9	25.2			
FH	(60°-80°)	3566.0	41.4			G2/5000
FVH	(80°-90°)	365.0	4.2			G3/500
BL	(0°-30°)	278.1	3.2	B1/500		
BM	(30°-60°)	811.1	9.4	B1/1000		
BH	(60°-80°)	682.6	7.9	B2/1000		G2/1000
BVH	(80°-90°)	154.7	1.8			G2/225
UL	(90°-100°)	193.8	2.3		U3/500	
UH	(100°-180°)	66.2	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°	934.4	934.4	934.4	934.4	934.4	934.4	934.4	934.4	934.4	934.4	934.4
2.5°	849.8	931.0	917.5	927.6	927.6	931.0	934.4	934.4	937.8	934.4	934.4
5°	866.7	863.3	856.5	849.8	843.0	832.8	832.8	832.8	914.1	920.9	914.1
7.5°	809.1	880.2	873.5	859.9	859.9	849.8	836.2	822.7	799.0	792.2	802.4
10°	914.1	910.7	900.6	880.2	805.8	819.3	734.7	663.6	636.5	653.4	697.4
12.5°	812.5	870.1	893.8	893.8	799.0	687.3	612.8	653.4	629.7	562.0	612.8
15°	958.1	951.3	924.3	880.2	700.8	697.4	656.8	575.5	585.7	636.5	683.9
17.5°	819.3	819.3	917.5	839.6	721.1	585.7	582.3	646.6	592.5	565.4	592.5
20°	988.6	985.2	954.7	697.4	727.9	717.7	592.5	660.2	565.4	650.0	711.0
22.5°	839.6	832.8	880.2	836.2	694.0	724.5	555.2	626.3	673.7	595.9	551.8
25°	988.6	995.4	981.8	744.8	788.8	656.8	670.3	714.4	619.6	755.0	785.4
27.5°	870.1	870.1	832.8	832.8	731.3	788.8	629.7	670.3	738.1	815.9	958.1
30°	1066.5	1069.8	1046.1	802.4	809.1	758.4	731.3	778.7	887.0	1059.7	1124.0
32.5°	1303.4	1303.4	1120.6	958.1	812.5	914.1	771.9	849.8	1005.5	1093.5	1178.2
35°	1452.4	1435.5	1354.2	1076.6	876.9	934.4	873.5	903.9	1042.8	1171.4	1232.3
37.5°	1665.7	1658.9	1577.7	1181.6	941.2	995.4	907.3	941.2	1110.5	1229.0	1300.1
40°	1960.2	1926.4	1855.3	1364.4	1019.1	1049.5	948.0	988.6	1191.7	1303.4	1388.1
42.5°	2193.8	2200.6	2149.8	1581.1	1147.7	1127.4	1019.1	1049.5	1279.7	1418.5	1513.3
45°	2410.5	2403.7	2413.9	1841.7	1306.8	1252.7	1144.3	1147.7	1391.5	1560.7	1689.4
47.5°	2559.5	2556.1	2579.8	2085.5	1510.0	1411.8	1283.1	1269.6	1520.1	1804.5	1929.8
50°	2738.9	2728.8	2715.2	2346.2	1740.2	1584.4	1465.9	1418.5	1686.0	2078.7	2234.5
52.5°	2959.0	2935.3	2891.3	2549.3	1994.1	1804.5	1672.5	1608.1	1909.5	2386.8	2586.6
55°	3168.9	3135.0	3097.8	2776.2	2227.7	2024.6	1882.4	1845.1	2200.6	2705.1	2962.4
57.5°	3375.4	3358.5	3328.0	3077.5	2525.6	2254.8	2095.7	2088.9	2539.2	3013.1	3365.2
60°	3568.4	3541.3	3581.9	3402.5	2803.2	2498.5	2329.3	2380.0	2911.6	3321.2	3812.1
62.5°	3686.9	3676.7	3764.7	3700.4	3060.5	2769.4	2596.7	2684.7	3270.4	3622.5	4208.2
65°	3510.8	3537.9	3886.6	3886.6	3358.5	3091.0	2921.7	2975.9	3609.0	3927.2	4570.5
67.5°	3189.2	3226.4	3700.4	3991.6	3625.9	3453.3	3277.2	3307.7	3910.3	4174.4	4865.0
70°	2915.0	2942.0	3382.2	3998.3	3795.2	3873.1	3619.2	3592.1	4143.9	4380.9	4973.4
72.5°	2674.6	2711.8	3074.1	3957.7	3961.1	4350.4	4025.4	3862.9	4357.2	4458.8	4628.1
75°	2119.4	2102.4	2512.1	3480.4	4015.3	4871.8	4502.8	4164.2	4462.2	4191.3	3629.3
77.5°	1042.8	1086.8	1432.1	2241.2	3388.9	4986.9	4763.5	4313.2	4191.3	3510.8	2264.9
80°	308.1	318.2	399.5	802.4	1946.7	3927.2	3934.0	3568.4	3152.0	2051.6	1022.4
82.5°	172.7	176.0	230.2	348.7	799.0	2488.4	2590.0	2143.1	1394.8	758.4	511.2
85°	91.4	94.8	118.5	182.8	406.3	992.0	1052.9	819.3	673.7	494.3	375.8
87.5°	44.0	44.0	40.6	60.9	149.0	240.4	267.5	304.7	270.8	253.9	311.5
90°	37.2	37.2	30.5	33.9	81.3	172.7	209.9	233.6	213.3	233.6	341.9
92.5°	40.6	40.6	30.5	33.9	88.0	193.0	230.2	260.7	226.8	250.5	379.2
95°	37.2	40.6	27.1	30.5	88.0	237.0	277.6	284.4	233.6	274.2	406.3
97.5°	30.5	30.5	20.3	23.7	77.9	277.6	304.7	294.5	206.5	209.9	325.0
100°	23.7	23.7	13.5	20.3	54.2	223.4	260.7	247.1	135.4	33.9	81.3
102.5°	20.3	20.3	10.2	16.9	23.7	108.3	138.8	135.4	81.3	20.3	16.9
105°	20.3	20.3	10.2	13.5	13.5	30.5	47.4	60.9	33.9	10.2	16.9
107.5°	20.3	20.3	10.2	6.8	6.8	13.5	16.9	16.9	16.9	10.2	20.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	20.3	20.3	6.8	6.8	3.4	6.8	6.8	6.8	6.8	10.2	20.3
115°	16.9	16.9	3.4	6.8	3.4	3.4	6.8	3.4	6.8	6.8	16.9
117.5°	16.9	13.5	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.2	20.3
120°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.5	23.7
122.5°	16.9	16.9	6.8	3.4	0.0	3.4	3.4	3.4	6.8	13.5	27.1
125°	20.3	16.9	6.8	3.4	0.0	0.0	3.4	3.4	3.4	13.5	23.7
127.5°	16.9	13.5	6.8	3.4	0.0	0.0	3.4	3.4	3.4	10.2	20.3
130°	16.9	13.5	6.8	0.0	0.0	0.0	3.4	3.4	3.4	10.2	16.9
132.5°	13.5	10.2	6.8	0.0	0.0	0.0	3.4	3.4	3.4	6.8	13.5
135°	10.2	10.2	3.4	0.0	3.4	0.0	3.4	3.4	3.4	3.4	10.2
137.5°	6.8	6.8	3.4	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
140°	3.4	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	10.2	10.2	10.2	6.8	3.4	3.4	3.4	6.8	3.4	3.4	3.4
152.5°	10.2	10.2	10.2	6.8	0.0	0.0	3.4	3.4	6.8	3.4	3.4
155°	6.8	6.8	6.8	0.0	0.0	0.0	3.4	3.4	3.4	6.8	6.8
157.5°	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
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°	934.4	934.4	934.4	934.4	934.4	934.4	934.4	934.4	934.4	934.4	934.4
2.5°	931.0	927.6	924.3	920.9	914.1	907.3	890.4	819.3	819.3	822.7	822.7
5°	914.1	910.7	900.6	836.2	799.0	778.7	785.4	785.4	785.4	788.8	795.6
7.5°	799.0	795.6	748.2	744.8	758.4	775.3	785.4	768.5	734.7	734.7	734.7
10°	697.4	694.0	609.4	592.5	609.4	650.0	755.0	775.3	788.8	792.2	799.0
12.5°	609.4	599.2	524.8	578.9	541.7	609.4	704.2	782.1	711.0	697.4	697.4
15°	677.1	673.7	585.7	507.8	511.2	609.4	558.6	734.7	775.3	782.1	785.4
17.5°	592.5	585.7	538.3	534.9	565.4	490.9	619.6	700.8	667.0	677.1	677.1
20°	707.6	704.2	616.2	511.2	504.4	599.2	548.5	636.5	758.4	782.1	785.4
22.5°	548.5	548.5	565.4	599.2	545.1	572.2	585.7	673.7	650.0	663.6	704.2
25°	778.7	771.9	683.9	538.3	585.7	551.8	612.8	639.9	751.6	778.7	785.4
27.5°	944.6	927.6	734.7	606.0	528.1	592.5	589.1	619.6	636.5	741.4	755.0
30°	1113.8	1096.9	944.6	680.5	548.5	511.2	562.0	663.6	765.1	782.1	795.6
32.5°	1174.8	1161.2	964.9	721.1	551.8	545.1	558.6	663.6	839.6	907.3	920.9
35°	1239.1	1222.2	985.2	704.2	538.3	507.8	528.1	683.9	836.2	880.2	890.4
37.5°	1317.0	1286.5	1008.9	670.3	501.1	480.7	504.4	622.9	795.6	839.6	846.4
40°	1415.2	1384.7	1039.4	633.1	463.8	446.9	460.4	578.9	697.4	734.7	751.6
42.5°	1564.1	1506.6	1052.9	602.6	430.0	413.0	426.6	521.4	612.8	636.5	646.6
45°	1757.1	1655.5	1073.2	562.0	399.5	375.8	396.1	477.4	521.4	521.4	521.4
47.5°	1994.1	1831.6	1083.4	528.1	362.3	341.9	362.3	433.4	457.1	443.5	440.1
50°	2285.3	2055.0	1134.2	487.5	331.8	314.9	348.7	382.6	392.7	399.5	399.5
52.5°	2627.2	2312.3	1164.6	446.9	311.5	301.3	335.2	358.9	362.3	369.0	369.0
55°	2999.6	2593.3	1181.6	409.7	297.9	284.4	321.6	345.3	345.3	352.1	352.1
57.5°	3385.6	2918.3	1225.6	382.6	284.4	270.8	308.1	348.7	335.2	348.7	352.1
60°	3791.8	3219.7	1188.3	355.5	264.1	260.7	311.5	372.4	369.0	386.0	389.3
62.5°	4174.4	3460.0	1022.4	331.8	250.5	264.1	348.7	419.8	409.7	436.7	436.7
65°	4391.1	3541.3	751.6	318.2	240.4	284.4	386.0	467.2	433.4	446.9	440.1
67.5°	4438.5	3460.0	541.7	301.3	237.0	318.2	413.0	477.4	430.0	443.5	443.5
70°	4326.7	3270.4	436.7	287.8	233.6	321.6	419.8	477.4	433.4	463.8	457.1
72.5°	3822.3	2782.9	372.4	274.2	233.6	314.9	430.0	480.7	443.5	494.3	484.1
75°	2881.1	2082.1	328.4	260.7	220.1	304.7	436.7	484.1	430.0	484.1	477.4
77.5°	1713.1	1188.3	291.2	243.8	203.1	294.5	430.0	484.1	419.8	477.4	470.6
80°	724.5	558.6	247.1	213.3	186.2	281.0	423.2	480.7	402.9	463.8	453.7
82.5°	457.1	379.2	209.9	176.0	182.8	277.6	426.6	474.0	396.1	467.2	433.4
85°	369.0	311.5	179.4	149.0	169.3	284.4	409.7	430.0	341.9	402.9	392.7
87.5°	311.5	260.7	81.3	64.3	125.3	220.1	311.5	321.6	247.1	314.9	301.3
90°	341.9	284.4	77.9	54.2	111.7	193.0	287.8	281.0	237.0	301.3	297.9
92.5°	372.4	301.3	74.5	57.6	125.3	209.9	314.9	284.4	250.5	304.7	301.3
95°	386.0	308.1	71.1	60.9	149.0	230.2	335.2	277.6	264.1	281.0	277.6
97.5°	291.2	223.4	67.7	64.3	155.7	260.7	314.9	233.6	172.7	172.7	169.3
100°	74.5	74.5	60.9	60.9	105.0	189.6	240.4	172.7	98.2	74.5	77.9
102.5°	20.3	23.7	54.2	57.6	57.6	84.6	135.4	111.7	64.3	10.2	10.2
105°	20.3	20.3	37.2	44.0	30.5	27.1	54.2	60.9	47.4	6.8	10.2
107.5°	20.3	20.3	16.9	23.7	10.2	13.5	13.5	16.9	16.9	6.8	6.8



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CATALOG NUMBER: SDL-PA1-80-740-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.7	20.3	10.2	6.8	6.8	6.8	6.8	6.8	6.8	16.9	16.9
115°	20.3	16.9	10.2	6.8	6.8	6.8	6.8	3.4	6.8	20.3	20.3
117.5°	23.7	20.3	10.2	6.8	3.4	6.8	6.8	3.4	6.8	23.7	23.7
120°	27.1	23.7	10.2	6.8	3.4	3.4	3.4	3.4	10.2	23.7	23.7
122.5°	27.1	27.1	13.5	3.4	3.4	3.4	3.4	3.4	10.2	23.7	23.7
125°	27.1	23.7	10.2	3.4	3.4	3.4	0.0	3.4	10.2	23.7	27.1
127.5°	20.3	20.3	10.2	3.4	3.4	3.4	0.0	3.4	10.2	20.3	23.7
130°	16.9	16.9	6.8	3.4	3.4	3.4	0.0	3.4	10.2	20.3	20.3
132.5°	13.5	13.5	6.8	3.4	3.4	0.0	0.0	0.0	10.2	16.9	16.9
135°	10.2	10.2	3.4	3.4	3.4	0.0	0.0	0.0	6.8	13.5	13.5
137.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	6.8	6.8
140°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	3.4	6.8	3.4	6.8
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	3.4	6.8	6.8	6.8
155°	6.8	6.8	6.8	3.4	3.4	0.0	0.0	0.0	3.4	6.8	6.8
157.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	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



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110°	23.7	23.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	10.2	20.3
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110°	23.7	20.3	10.2	10.2	6.8	6.8	6.8	6.8	6.8	13.5	13.5
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