

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: P561114

Luminaire Tested: **SDL-PA1-80-750-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561114
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-PA1-80-750-U-T3-A
Description: Springdale
(1) 70 CRI, 5000K, 1050mA 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: 8736 lumens
Efficiency: N/A
Efficacy: 106.5 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



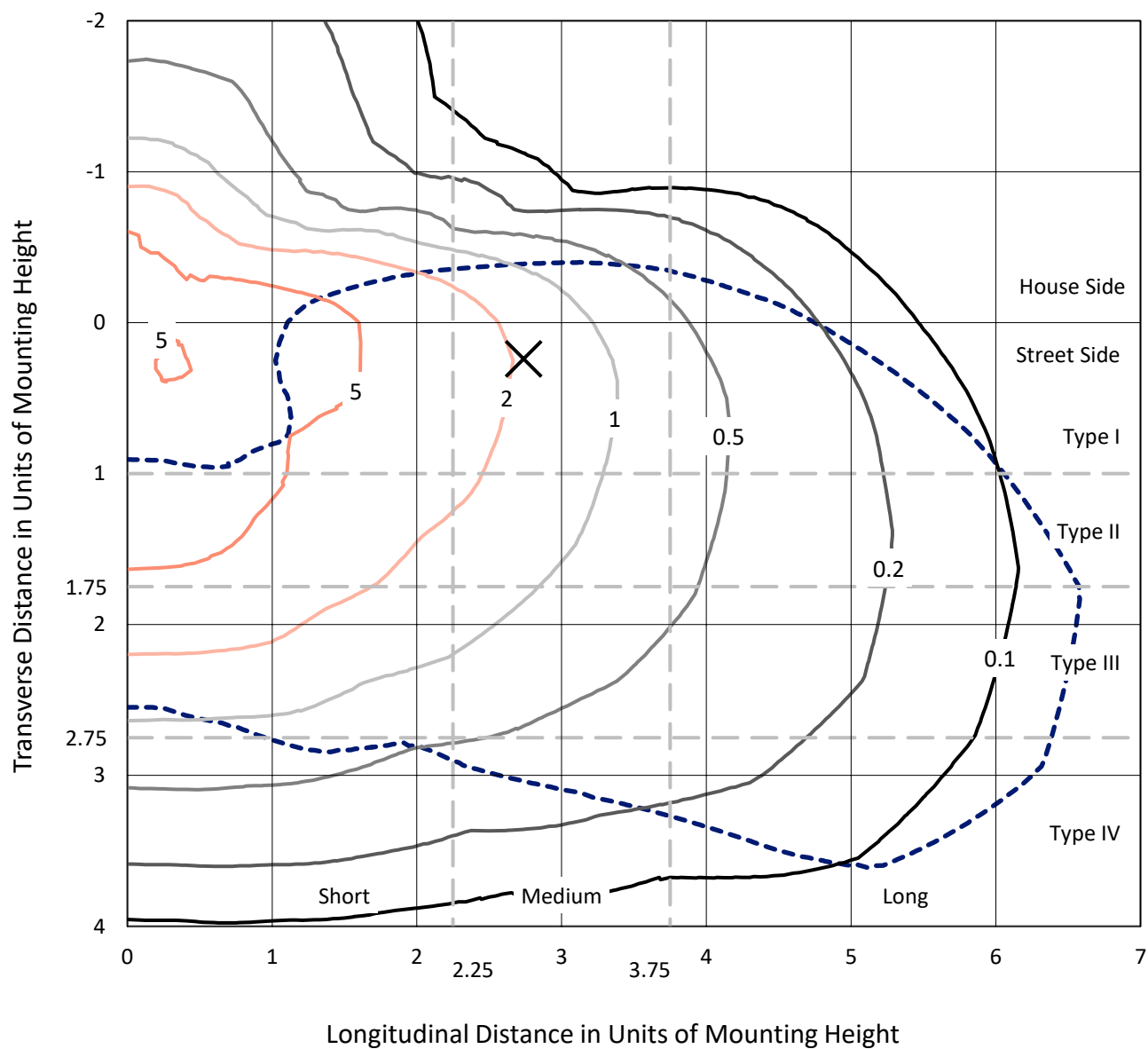
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

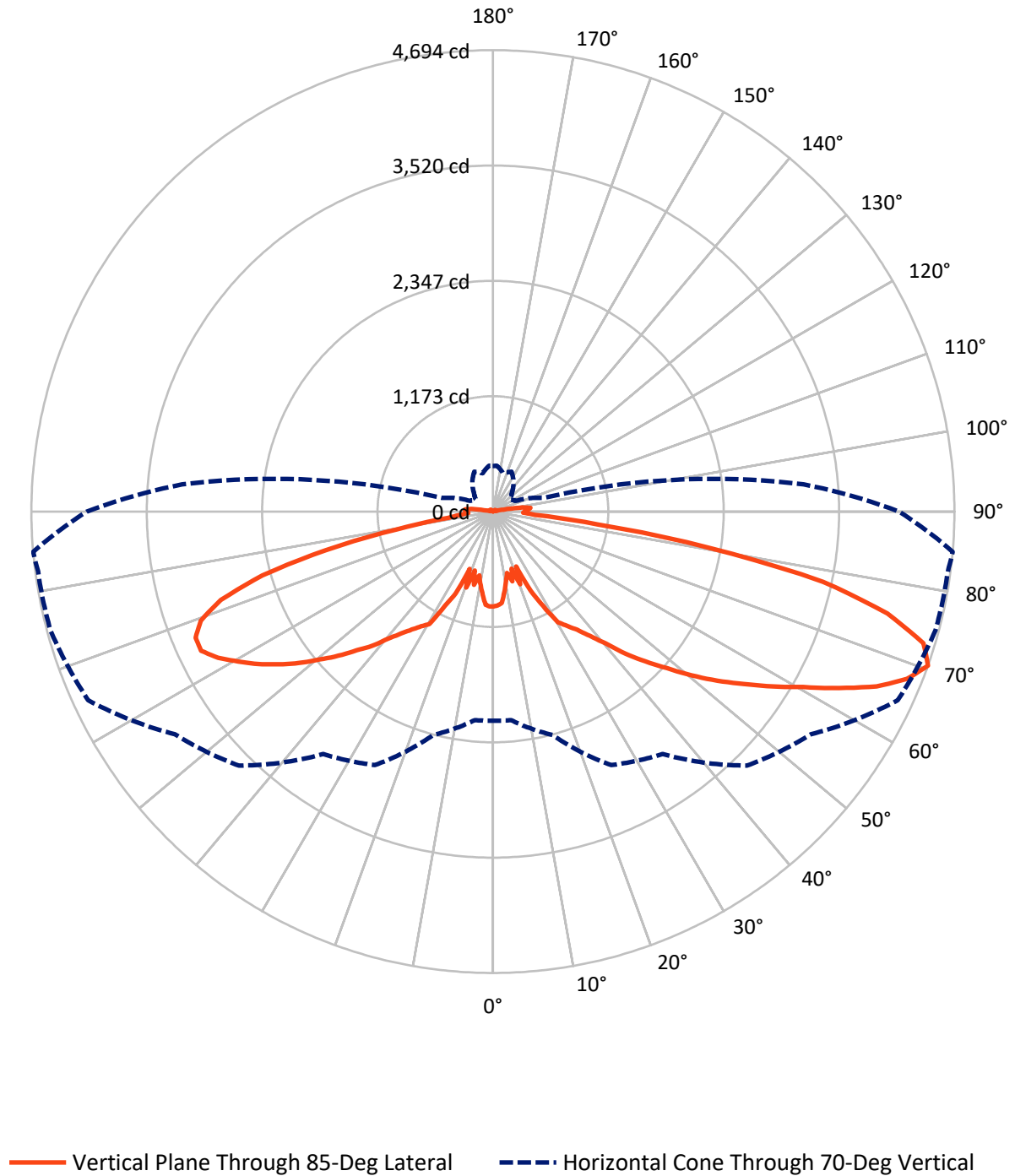


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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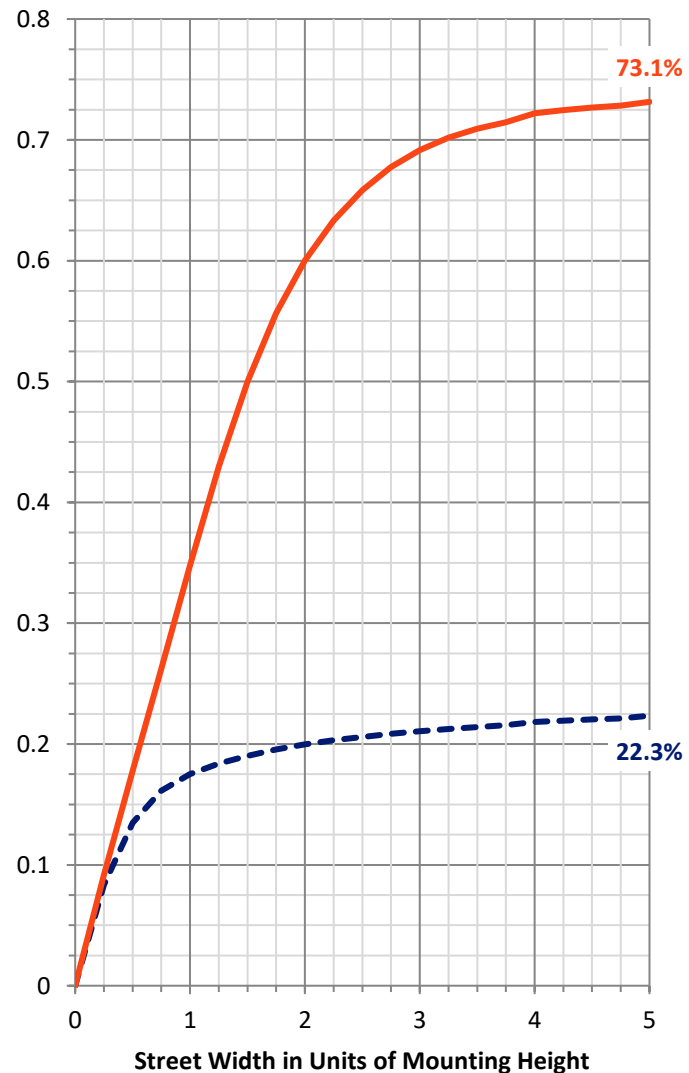
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2053.9	132.3	2186.2
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	6438.0	111.8	6549.8
	% Fixture	73.7	1.3	75.0
Total	Lumens	8491.9	244.1	8736.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	0.9
10°-20°	192.7	2.2
20°-30°	351.1	4.0
30°-40°	663.7	7.6
40°-50°	1109.2	12.7
50°-60°	1731.2	19.8
60°-70°	2146.9	24.6
70°-80°	1754.0	20.1
80°-90°	464.3	5.3
90°-100°	176.2	2.0
100°-110°	37.6	0.4
110°-120°	12.2	0.1
120°-130°	9.4	0.1
130°-140°	4.5	0.1
140°-150°	2.1	0.0
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8491.9	97.2
0°-180°	8736.0	100.0



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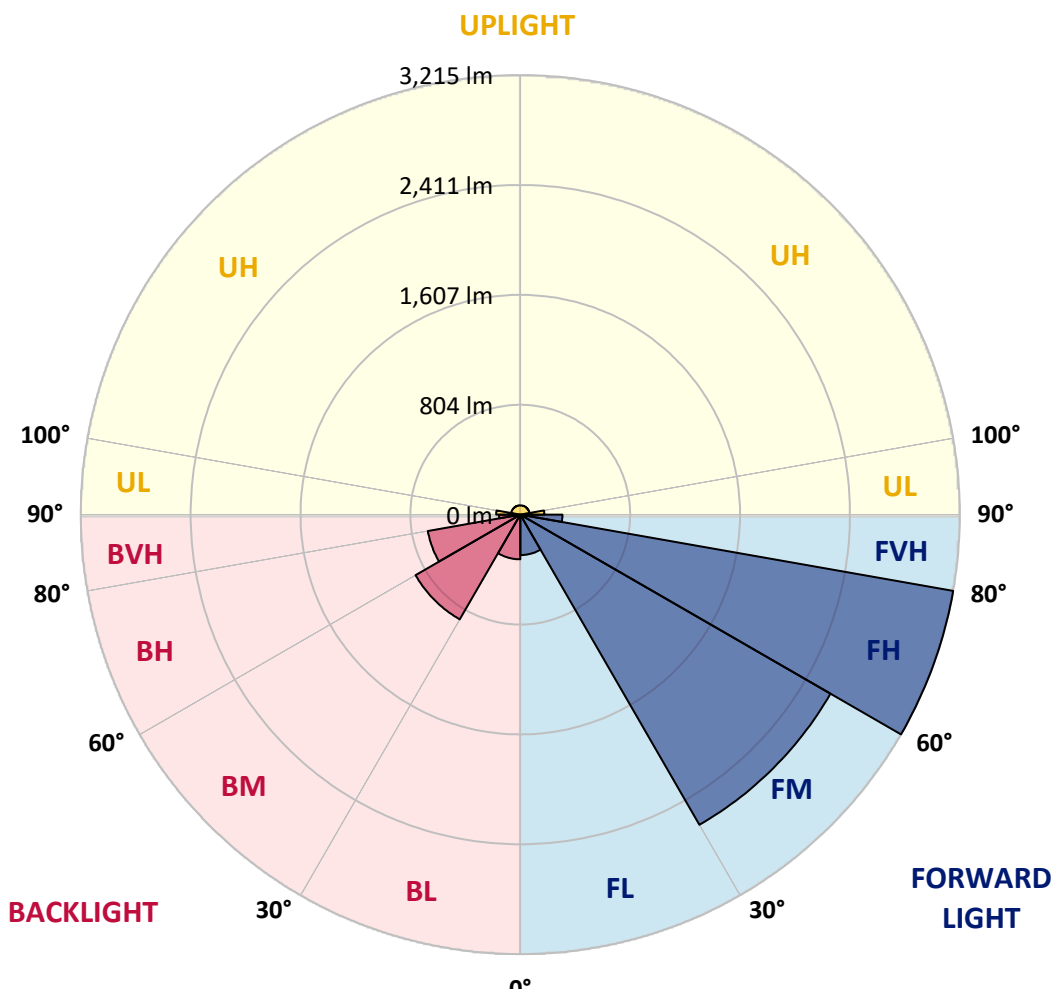
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.9	3.4			
FM	(30°-60°)	2619.5	30.0			
FH	(60°-80°)	3214.6	36.8			G2/5000
FVH	(80°-90°)	308.0	3.5			G3/500
BL	(0°-30°)	326.7	3.7	B1/500		
BM	(30°-60°)	884.7	10.1	B1/1000		
BH	(60°-80°)	686.3	7.9	B2/1000		G2/1000
BVH	(80°-90°)	156.3	1.8			G2/225
UL	(90°-100°)	176.2	2.0		U3/500	
UH	(100°-180°)	67.9	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°	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2
2.5°	799.2	877.1	863.6	887.3	900.8	921.2	934.7	941.5	948.3	955.0	955.0
5°	741.7	745.1	748.4	751.8	758.6	768.8	778.9	887.3	921.2	934.7	934.7
7.5°	677.3	673.9	687.5	704.4	728.1	741.7	751.8	755.2	792.5	822.9	829.7
10°	673.9	677.3	677.3	684.1	643.5	640.1	592.7	596.0	646.8	724.7	728.1
12.5°	585.9	602.8	640.1	667.2	626.5	562.2	552.0	579.1	541.9	636.7	640.1
15°	653.6	650.2	650.2	623.1	528.3	555.4	494.4	514.8	629.9	718.0	734.9
17.5°	569.0	562.2	629.9	609.6	548.6	464.0	555.4	548.6	569.0	619.8	609.6
20°	714.6	707.8	694.3	528.3	555.4	582.5	565.6	528.3	667.2	745.1	789.1
22.5°	667.2	673.9	707.8	670.6	572.3	599.4	535.1	650.2	629.9	599.4	606.2
25°	911.0	904.2	870.4	657.0	684.1	558.8	653.6	579.1	799.2	887.3	894.1
27.5°	839.9	829.7	806.0	826.3	694.3	731.5	636.7	758.6	883.9	1039.7	1087.1
30°	1114.2	1104.0	1076.9	833.1	826.3	724.7	772.1	931.3	1192.1	1310.6	1307.2
32.5°	1435.9	1361.4	1195.5	1066.8	883.9	941.5	883.9	1097.3	1270.0	1385.1	1385.1
35°	1632.4	1618.8	1530.8	1239.5	1029.5	1026.1	1016.0	1209.0	1402.1	1483.3	1476.6
37.5°	1798.3	1822.0	1757.7	1435.9	1161.6	1188.7	1137.9	1361.4	1564.6	1612.0	1605.3
40°	2028.6	2021.8	1987.9	1605.3	1324.2	1320.8	1283.5	1544.3	1744.1	1778.0	1761.0
42.5°	2370.6	2333.4	2231.8	1832.2	1496.9	1496.9	1429.2	1717.0	1964.2	1967.6	1977.8
45°	2790.6	2773.6	2594.1	2184.4	1720.4	1717.0	1605.3	1899.9	2187.8	2204.7	2174.2
47.5°	3081.8	3031.0	2943.0	2506.1	2065.8	1987.9	1818.6	2079.4	2455.3	2441.8	2380.8
50°	3369.7	3329.0	3247.8	2858.3	2424.8	2269.0	2018.4	2265.6	2712.7	2675.4	2617.9
52.5°	3616.9	3562.7	3474.7	3146.2	2739.8	2617.9	2248.7	2435.0	2973.5	2912.5	2858.3
55°	3759.1	3647.4	3654.2	3403.6	2976.8	2878.6	2506.1	2709.3	3227.4	3139.4	3095.4
57.5°	3583.0	3576.3	3688.0	3562.7	3193.6	3095.4	2780.4	2983.6	3491.6	3376.5	3356.1
60°	3406.9	3427.3	3586.4	3610.1	3362.9	3291.8	3017.5	3373.1	3749.0	3623.7	3623.7
62.5°	3163.1	3220.7	3444.2	3627.1	3379.8	3484.8	3264.7	3705.0	4030.1	3914.9	3952.2
65°	2885.4	2885.4	3142.8	3488.2	3325.7	3613.5	3539.0	4067.3	4277.3	4209.6	4287.5
67.5°	2506.1	2512.9	2780.4	3217.3	3227.4	3677.9	3759.1	4351.8	4534.7	4483.9	4541.5
70°	2126.8	2130.2	2353.7	2844.8	3010.7	3654.2	3948.8	4541.5	4660.0	4666.8	4693.9
72.5°	1591.7	1649.3	1859.3	2309.7	2634.8	3555.9	4047.0	4595.6	4656.6	4666.8	4578.7
75°	856.8	883.9	1117.6	1503.7	1957.5	3152.9	4016.5	4538.1	4494.0	4375.5	4145.2
77.5°	298.0	311.6	392.8	657.0	1110.8	2231.8	3725.3	4287.5	4145.2	3772.7	3434.0
80°	193.0	193.0	213.4	315.0	504.6	1056.6	2892.2	3674.5	3339.2	2543.4	2228.4
82.5°	135.5	138.9	155.8	210.0	325.1	453.8	1503.7	1866.0	1838.9	1266.6	1066.8
85°	98.2	101.6	108.4	121.9	223.5	281.1	585.9	897.5	829.7	453.8	426.7
87.5°	44.0	50.8	44.0	54.2	88.1	172.7	281.1	277.7	264.2	301.4	308.2
90°	33.9	33.9	27.1	30.5	61.0	155.8	260.8	250.6	267.5	328.5	325.1
92.5°	33.9	33.9	27.1	30.5	57.6	155.8	274.3	243.8	277.7	352.2	355.6
95°	33.9	37.3	27.1	27.1	47.4	159.2	291.2	260.8	294.6	382.7	382.7
97.5°	30.5	30.5	20.3	23.7	37.3	145.6	291.2	223.5	216.7	308.2	304.8
100°	23.7	27.1	13.5	20.3	27.1	88.1	216.7	138.9	61.0	71.1	108.4
102.5°	23.7	23.7	13.5	16.9	20.3	37.3	115.1	81.3	16.9	23.7	23.7
105°	23.7	27.1	13.5	13.5	13.5	16.9	54.2	40.6	13.5	20.3	23.7
107.5°	27.1	27.1	10.2	10.2	10.2	10.2	20.3	16.9	13.5	23.7	27.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	23.7	23.7	10.2	10.2	6.8	6.8	6.8	10.2	13.5	20.3	23.7
115°	16.9	16.9	6.8	10.2	6.8	6.8	6.8	10.2	10.2	16.9	20.3
117.5°	16.9	13.5	6.8	6.8	3.4	6.8	6.8	10.2	13.5	23.7	23.7
120°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	6.8	16.9	27.1	30.5
122.5°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	6.8	16.9	27.1	30.5
125°	20.3	16.9	10.2	3.4	3.4	3.4	3.4	3.4	13.5	23.7	27.1
127.5°	16.9	16.9	10.2	3.4	3.4	3.4	3.4	3.4	10.2	20.3	23.7
130°	16.9	16.9	10.2	3.4	3.4	3.4	3.4	3.4	10.2	16.9	16.9
132.5°	13.5	13.5	10.2	3.4	3.4	3.4	3.4	3.4	6.8	13.5	13.5
135°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	3.4	3.4	10.2	10.2
137.5°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	0.0	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
150°	10.2	10.2	10.2	6.8	6.8	3.4	6.8	3.4	3.4	3.4	3.4
152.5°	10.2	10.2	13.5	6.8	3.4	3.4	3.4	6.8	3.4	3.4	3.4
155°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	6.8	6.8	10.2
157.5°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	3.4	3.4	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°	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2
2.5°	958.4	965.2	968.6	978.7	978.7	978.7	955.0	897.5	897.5	900.8	904.2
5°	944.9	951.6	965.2	917.8	870.4	867.0	883.9	894.1	897.5	900.8	894.1
7.5°	836.5	850.0	843.3	846.7	870.4	894.1	914.4	900.8	867.0	843.3	850.0
10°	745.1	758.6	684.1	690.9	718.0	785.7	897.5	934.7	958.4	968.6	968.6
12.5°	653.6	663.8	599.4	694.3	646.8	751.8	873.7	965.2	873.7	836.5	836.5
15°	748.4	768.8	690.9	616.4	629.9	762.0	670.6	921.2	948.3	955.0	961.8
17.5°	640.1	626.5	640.1	650.2	707.8	592.7	768.8	867.0	812.8	792.5	802.6
20°	806.0	819.6	748.4	640.1	646.8	755.2	684.1	775.5	924.5	927.9	934.7
22.5°	613.0	629.9	670.6	762.0	667.2	731.5	721.3	806.0	755.2	758.6	785.7
25°	900.8	914.4	843.3	680.7	728.1	660.4	728.1	718.0	846.7	853.4	853.4
27.5°	1104.0	1073.6	921.2	768.8	640.1	697.6	657.0	684.1	653.6	745.1	758.6
30°	1314.0	1314.0	1195.5	856.8	677.3	592.7	599.4	650.2	724.7	738.3	738.3
32.5°	1378.4	1375.0	1222.6	927.9	667.2	613.0	552.0	613.0	741.7	806.0	812.8
35°	1469.8	1456.2	1270.0	904.2	643.5	558.8	521.5	616.4	711.2	721.3	714.6
37.5°	1584.9	1551.1	1327.6	860.2	589.3	524.9	501.2	555.4	636.7	636.7	636.7
40°	1727.2	1673.0	1347.9	799.2	531.7	480.9	457.2	514.8	569.0	538.5	528.3
42.5°	1920.2	1838.9	1364.8	755.2	480.9	443.6	413.2	467.4	494.4	477.5	470.7
45°	2099.7	1977.8	1391.9	707.8	440.3	409.8	382.7	430.1	450.4	433.5	430.1
47.5°	2313.1	2150.5	1395.3	663.8	409.8	382.7	362.4	403.0	416.6	416.6	413.2
50°	2533.2	2316.4	1422.4	626.5	379.3	355.6	352.2	382.7	392.8	386.1	382.7
52.5°	2783.8	2502.7	1432.5	579.1	342.0	325.1	342.0	362.4	392.8	396.2	396.2
55°	3051.3	2675.4	1425.8	514.8	315.0	308.2	331.9	375.9	403.0	382.7	379.3
57.5°	3312.1	2848.1	1429.2	443.6	287.9	301.4	335.3	392.8	413.2	389.5	379.3
60°	3545.8	3003.9	1381.7	379.3	267.5	284.5	348.8	409.8	403.0	409.8	399.6
62.5°	3833.7	3166.5	1246.3	338.7	250.6	277.7	348.8	419.9	392.8	419.9	419.9
65°	4070.7	3288.4	1053.2	304.8	237.1	277.7	352.2	423.3	382.7	426.7	426.7
67.5°	4172.3	3285.0	762.0	277.7	220.1	270.9	352.2	436.9	392.8	440.3	436.9
70°	4131.7	3173.3	538.5	257.4	210.0	274.3	365.8	447.0	403.0	467.4	464.0
72.5°	3857.4	2909.1	389.5	240.4	196.4	260.8	375.9	460.6	413.2	508.0	508.0
75°	3396.8	2431.6	315.0	223.5	182.9	257.4	379.3	467.4	419.9	514.8	514.8
77.5°	2597.5	1747.5	264.2	206.6	169.3	250.6	375.9	477.5	416.6	514.8	514.8
80°	1557.8	995.7	220.1	186.3	172.7	247.2	382.7	477.5	416.6	508.0	508.0
82.5°	718.0	457.2	196.4	155.8	162.6	243.8	389.5	470.7	399.6	508.0	487.7
85°	399.6	321.7	169.3	132.1	145.6	230.3	369.1	423.3	359.0	419.9	413.2
87.5°	298.0	250.6	108.4	67.7	94.8	162.6	284.5	335.3	270.9	325.1	321.7
90°	318.3	264.2	98.2	67.7	101.6	149.0	267.5	298.0	250.6	301.4	298.0
92.5°	342.0	277.7	98.2	71.1	115.1	162.6	267.5	291.2	247.2	274.3	277.7
95°	359.0	287.9	94.8	77.9	121.9	176.1	260.8	267.5	226.9	237.1	247.2
97.5°	281.1	216.7	84.7	81.3	118.5	142.2	213.4	210.0	155.8	145.6	145.6
100°	88.1	61.0	74.5	84.7	71.1	67.7	125.3	149.0	91.4	61.0	57.6
102.5°	27.1	23.7	67.7	81.3	54.2	30.5	67.7	94.8	67.7	10.2	13.5
105°	27.1	27.1	44.0	67.7	37.3	13.5	27.1	50.8	40.6	10.2	10.2
107.5°	27.1	23.7	16.9	37.3	13.5	10.2	13.5	13.5	13.5	10.2	10.2



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CATALOG NUMBER: SDL-PA1-80-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.1	27.1	13.5	13.5	10.2	10.2	6.8	6.8	10.2	23.7	23.7
115°	23.7	23.7	13.5	10.2	6.8	10.2	6.8	6.8	10.2	27.1	27.1
117.5°	27.1	27.1	13.5	10.2	6.8	6.8	6.8	3.4	10.2	30.5	33.9
120°	33.9	30.5	16.9	6.8	6.8	6.8	6.8	6.8	13.5	27.1	30.5
122.5°	33.9	33.9	16.9	6.8	3.4	3.4	3.4	6.8	13.5	27.1	30.5
125°	30.5	30.5	16.9	6.8	3.4	3.4	3.4	3.4	13.5	23.7	23.7
127.5°	27.1	27.1	13.5	6.8	3.4	3.4	3.4	3.4	10.2	20.3	23.7
130°	20.3	20.3	10.2	6.8	3.4	3.4	3.4	3.4	10.2	16.9	20.3
132.5°	16.9	16.9	10.2	6.8	3.4	3.4	3.4	3.4	10.2	13.5	16.9
135°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.2	13.5
137.5°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8
140°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	10.2	6.8
152.5°	3.4	3.4	3.4	6.8	3.4	0.0	0.0	6.8	6.8	10.2	10.2
155°	10.2	10.2	6.8	3.4	3.4	0.0	0.0	0.0	6.8	6.8	6.8
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	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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110°	27.1	27.1	10.2	10.2	6.8	6.8	10.2	10.2	13.5	23.7	27.1
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110°	27.1	27.1	13.5	13.5	10.2	10.2	10.2	6.8	6.8	16.9	16.9
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(END OF REPORT)