

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: P561115

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
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-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6508 lumens
Efficiency: N/A
Efficacy: 79.4 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: B1 - U3 - G2

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

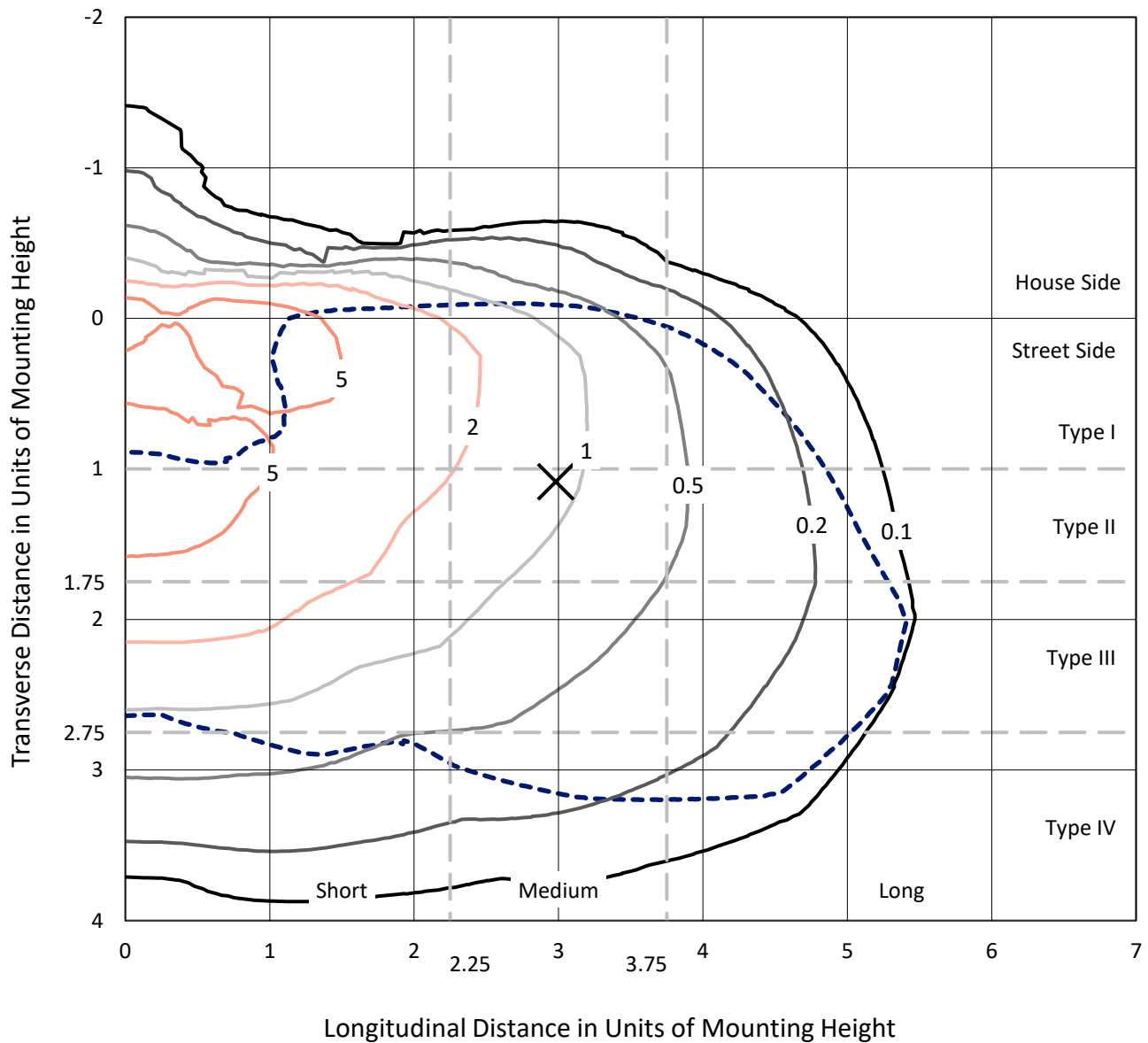


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Iso-Footcandle Lines of Horizontal Illumination

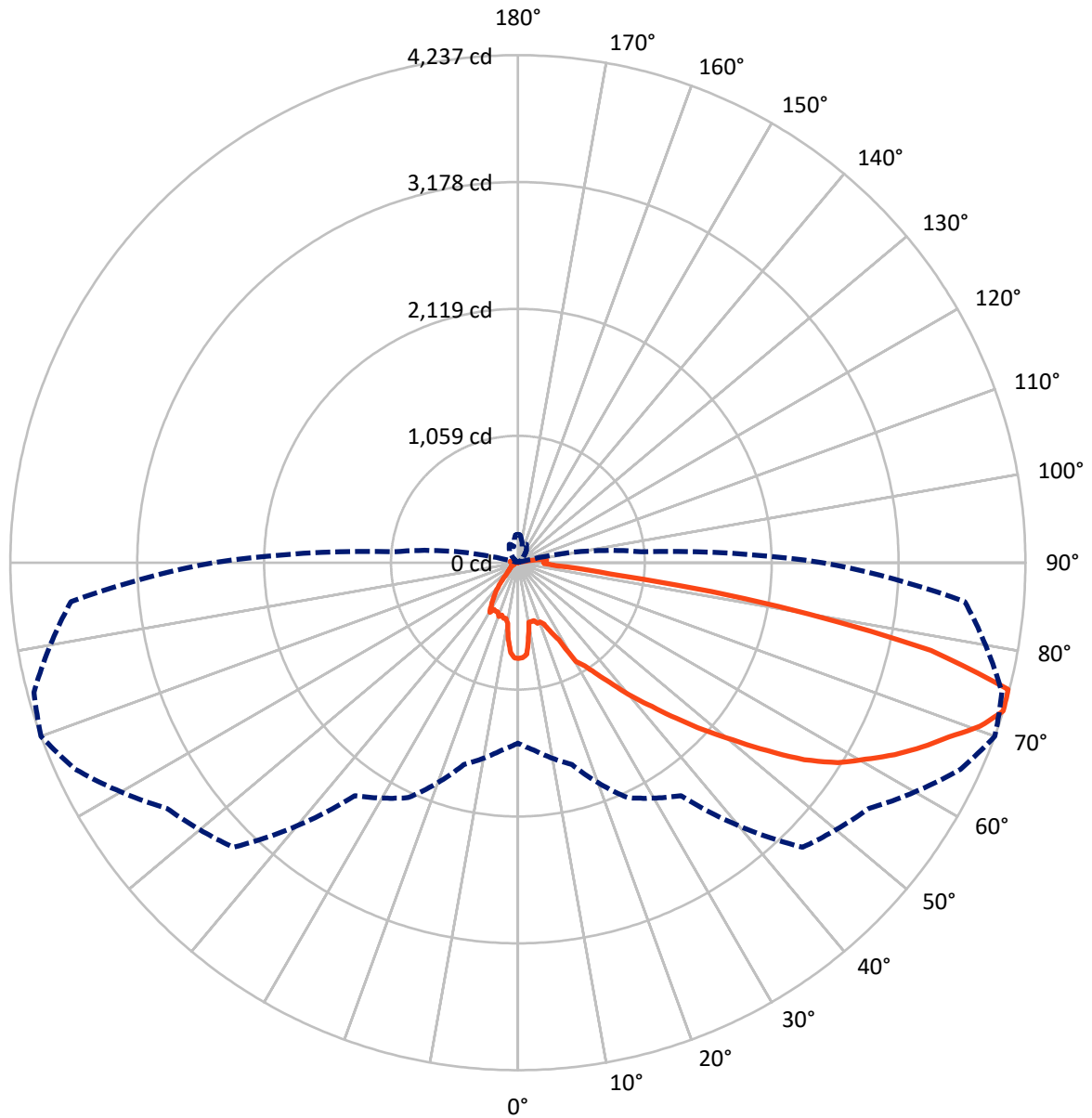
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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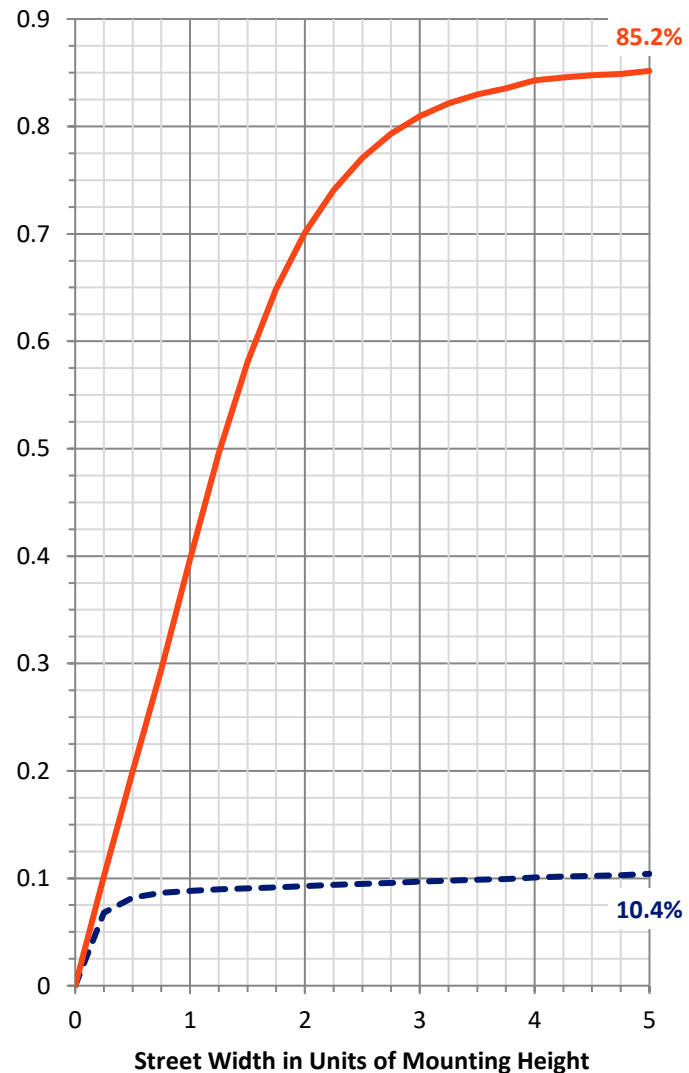
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	746.0	105.0	851.0
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	5572.1	84.9	5657.0
	% Fixture	85.6	1.3	86.9
Total	Lumens	6318.1	189.9	6508.0
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	0.9
10°-20°	121.9	1.9
20°-30°	197.4	3.0
30°-40°	421.8	6.5
40°-50°	829.3	12.7
50°-60°	1384.8	21.3
60°-70°	1718.7	26.4
70°-80°	1323.7	20.3
80°-90°	258.8	4.0
90°-100°	140.4	2.2
100°-110°	29.1	0.4
110°-120°	8.3	0.1
120°-130°	6.4	0.1
130°-140°	3.0	0.0
140°-150°	1.4	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6318.1	97.1
0°-180°	6508.0	100.0



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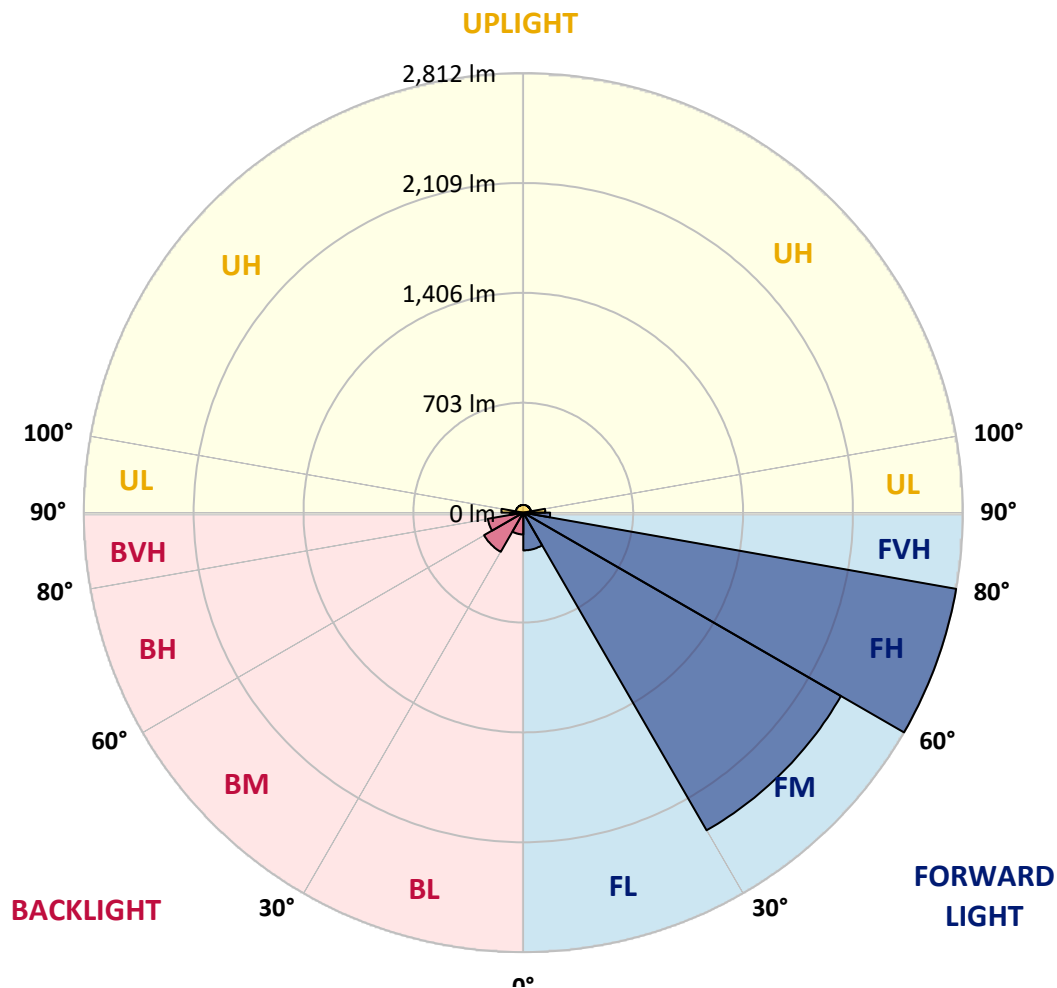
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.4	3.7			
FM	(30°-60°)	2346.6	36.1			
FH	(60°-80°)	2811.8	43.2			G2/5000
FVH	(80°-90°)	172.2	2.6			G2/225
BL	(0°-30°)	139.6	2.1	B1/500		
BM	(30°-60°)	289.3	4.4	B1/1000		
BH	(60°-80°)	230.5	3.5	B1/500		G1/500
BVH	(80°-90°)	86.6	1.3			G1/100
UL	(90°-100°)	140.4	2.2		U3/500	
UH	(100°-180°)	49.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4
2.5°	674.1	748.6	752.0	758.7	765.5	775.7	792.6	792.6	792.6	792.6	796.0
5°	640.2	640.2	640.2	647.0	647.0	653.7	657.1	758.7	768.9	779.1	779.1
7.5°	531.8	582.6	586.0	606.3	630.0	640.2	647.0	640.2	630.0	670.7	687.6
10°	582.6	582.6	582.6	589.4	555.5	538.6	497.9	501.3	504.7	535.2	609.7
12.5°	484.4	514.9	545.3	579.2	535.2	481.0	470.8	497.9	504.7	450.5	535.2
15°	565.7	562.3	562.3	531.8	443.7	481.0	420.0	443.7	501.3	548.7	636.8
17.5°	467.4	453.9	528.4	521.6	474.2	379.4	484.4	481.0	531.8	491.1	548.7
20°	555.5	552.1	552.1	426.8	470.8	511.5	504.7	470.8	528.4	589.4	694.4
22.5°	467.4	460.7	474.2	511.5	467.4	528.4	460.7	582.6	555.5	538.6	504.7
25°	589.4	586.0	586.0	467.4	528.4	484.4	582.6	531.8	643.6	701.1	765.5
27.5°	528.4	528.4	504.7	542.0	504.7	609.7	558.9	670.7	728.2	765.5	924.7
30°	731.6	735.0	694.4	538.6	562.3	572.4	660.5	829.9	955.2	1046.6	1144.9
32.5°	1053.4	1033.1	863.7	735.0	596.1	707.9	731.6	965.4	1026.3	1124.5	1209.2
35°	1432.8	1422.6	1273.6	951.8	718.1	758.7	816.3	1050.0	1144.9	1243.1	1293.9
37.5°	1693.6	1683.4	1588.6	1212.6	867.1	884.1	890.8	1168.6	1290.5	1388.8	1412.5
40°	1907.0	1890.1	1832.5	1415.8	1067.0	1033.1	999.2	1331.2	1470.0	1551.3	1561.5
42.5°	2228.8	2201.7	2056.0	1649.6	1270.2	1232.9	1117.8	1473.4	1639.4	1747.8	1754.6
45°	2614.9	2591.2	2388.0	1974.7	1487.0	1476.8	1327.8	1656.3	1852.8	1981.5	1944.3
47.5°	2879.1	2814.8	2699.6	2286.4	1822.3	1734.2	1561.5	1842.6	2083.1	2276.2	2171.2
50°	3119.6	3072.2	2974.0	2631.9	2184.7	2066.2	1805.4	2056.0	2327.0	2503.1	2360.9
52.5°	3343.2	3272.0	3190.7	2889.3	2496.4	2438.8	2045.9	2269.4	2608.1	2753.8	2557.3
55°	3454.9	3343.2	3329.6	3123.0	2736.9	2689.4	2316.8	2533.6	2902.8	3004.4	2743.6
57.5°	3272.0	3268.6	3373.6	3265.3	2933.3	2909.6	2591.2	2818.1	3150.1	3197.5	2926.5
60°	3150.1	3153.5	3312.7	3319.5	3106.1	3119.6	2838.5	3146.7	3333.0	3363.5	3099.3
62.5°	2936.7	2960.4	3200.9	3356.7	3150.1	3319.5	3048.5	3373.6	3529.5	3539.6	3312.7
65°	2669.1	2692.8	2936.7	3255.1	3102.7	3451.6	3224.6	3627.7	3709.0	3715.8	3546.4
67.5°	2357.5	2367.7	2638.6	2990.9	2987.5	3499.0	3333.0	3797.0	3881.7	3902.1	3746.2
70°	2012.0	1998.4	2245.7	2652.2	2740.2	3475.3	3465.1	3963.0	4091.7	4088.3	3885.1
72.5°	1507.3	1571.7	1744.4	2164.4	2374.4	3360.1	3576.9	4078.2	4237.4	4183.2	3746.2
75°	514.9	548.7	1016.2	1378.6	1829.1	3051.9	3600.6	4085.0	4227.2	3986.7	3065.4
77.5°	169.4	159.2	226.9	548.7	1016.2	2113.6	3167.0	3563.3	3526.1	3099.3	1883.3
80°	81.3	84.7	101.6	193.1	372.6	958.6	1988.3	2255.9	2205.1	1625.9	816.3
82.5°	54.2	57.6	67.7	111.8	210.0	328.6	1056.8	1029.7	779.1	511.5	335.3
85°	23.7	23.7	33.9	57.6	128.7	216.8	403.1	352.3	318.4	294.7	274.4
87.5°	6.8	6.8	13.5	20.3	44.0	135.5	226.9	213.4	220.2	230.3	260.8
90°	6.8	6.8	6.8	6.8	33.9	142.3	230.3	216.8	216.8	230.3	274.4
92.5°	10.2	10.2	6.8	6.8	30.5	142.3	240.5	206.6	220.2	233.7	294.7
95°	10.2	13.5	6.8	3.4	23.7	145.6	247.3	220.2	240.5	237.1	315.0
97.5°	13.5	13.5	6.8	3.4	13.5	125.3	250.7	179.5	182.9	169.4	247.3
100°	16.9	16.9	6.8	6.8	10.2	64.4	186.3	115.2	71.1	54.2	81.3
102.5°	20.3	20.3	6.8	6.8	6.8	23.7	84.7	67.7	37.3	10.2	20.3
105°	20.3	23.7	6.8	6.8	3.4	10.2	37.3	27.1	13.5	10.2	20.3
107.5°	23.7	23.7	6.8	6.8	3.4	6.8	10.2	10.2	6.8	10.2	20.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	16.9	16.9	6.8	10.2	3.4	3.4	3.4	6.8	6.8	10.2	20.3
115°	10.2	6.8	3.4	6.8	3.4	3.4	3.4	6.8	6.8	6.8	16.9
117.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	10.2	20.3
120°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	13.5	23.7
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	13.5	27.1
125°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.2	23.7
127.5°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	6.8	10.2	20.3
130°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	6.8	13.5
132.5°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	6.8	13.5
135°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.8
137.5°	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	3.4	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°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	6.8	6.8	3.4	3.4
155°	3.4	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4	6.8	6.8
157.5°	0.0	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	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°	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4
2.5°	796.0	796.0	792.6	799.4	796.0	796.0	752.0	707.9	697.8	701.1	707.9
5°	782.4	782.4	782.4	728.2	667.3	647.0	653.7	653.7	653.7	650.3	657.1
7.5°	691.0	687.6	677.4	616.5	643.6	640.2	636.8	630.0	548.7	528.4	528.4
10°	613.1	613.1	525.0	501.3	501.3	521.6	535.2	514.9	504.7	487.8	484.4
12.5°	538.6	538.6	450.5	501.3	423.4	420.0	409.9	376.0	318.4	277.8	281.1
15°	640.2	640.2	531.8	426.8	355.7	335.3	210.0	196.5	189.7	186.3	182.9
17.5°	545.3	548.7	491.1	423.4	331.9	176.1	149.0	149.0	149.0	142.3	128.7
20°	691.0	691.0	572.4	379.4	250.7	138.9	115.2	101.6	138.9	138.9	138.9
22.5°	501.3	494.5	504.7	386.1	155.8	111.8	94.8	118.6	125.3	105.0	105.0
25°	758.7	748.6	613.1	277.8	128.7	88.1	105.0	91.5	118.6	118.6	118.6
27.5°	934.9	867.1	623.2	254.0	94.8	101.6	84.7	101.6	91.5	88.1	88.1
30°	1124.5	1094.1	752.0	199.8	91.5	84.7	88.1	81.3	94.8	88.1	88.1
32.5°	1185.5	1155.0	680.8	155.8	88.1	81.3	74.5	77.9	74.5	77.9	77.9
35°	1263.4	1232.9	602.9	118.6	81.3	71.1	67.7	67.7	64.4	61.0	61.0
37.5°	1375.2	1324.4	514.9	101.6	74.5	64.4	54.2	50.8	54.2	67.7	71.1
40°	1503.9	1419.2	406.5	91.5	64.4	54.2	40.6	47.4	57.6	57.6	57.6
42.5°	1690.2	1534.4	301.5	84.7	57.6	44.0	30.5	37.3	44.0	61.0	61.0
45°	1852.8	1602.1	213.4	77.9	47.4	33.9	23.7	37.3	47.4	54.2	54.2
47.5°	2042.5	1666.5	159.2	74.5	44.0	23.7	27.1	37.3	37.3	57.6	57.6
50°	2201.7	1680.0	128.7	67.7	33.9	16.9	33.9	33.9	40.6	50.8	50.8
52.5°	2350.7	1693.6	115.2	61.0	27.1	13.5	33.9	33.9	47.4	61.0	61.0
55°	2448.9	1653.0	105.0	54.2	23.7	10.2	37.3	37.3	37.3	47.4	47.4
57.5°	2526.8	1602.1	98.2	47.4	20.3	20.3	40.6	47.4	40.6	47.4	47.4
60°	2577.7	1510.7	84.7	44.0	16.9	20.3	50.8	61.0	47.4	71.1	71.1
62.5°	2669.1	1439.6	74.5	40.6	13.5	20.3	50.8	77.9	61.0	94.8	98.2
65°	2743.6	1375.2	64.4	30.5	13.5	27.1	57.6	98.2	74.5	118.6	121.9
67.5°	2774.1	1297.3	54.2	27.1	13.5	30.5	74.5	121.9	94.8	138.9	138.9
70°	2750.4	1216.0	44.0	27.1	13.5	47.4	98.2	142.3	115.2	169.4	172.7
72.5°	2543.8	1036.5	33.9	27.1	10.2	50.8	121.9	169.4	138.9	230.3	237.1
75°	1947.6	657.1	33.9	27.1	13.5	57.6	142.3	196.5	166.0	257.4	267.6
77.5°	1188.9	304.8	33.9	30.5	16.9	71.1	155.8	226.9	182.9	277.8	284.5
80°	528.4	189.7	33.9	33.9	33.9	88.1	182.9	250.7	206.6	294.7	304.8
82.5°	264.2	142.3	30.5	33.9	50.8	105.0	216.8	267.6	213.4	304.8	308.2
85°	226.9	128.7	30.5	37.3	54.2	121.9	233.7	271.0	223.6	301.5	304.8
87.5°	216.8	121.9	37.3	37.3	61.0	128.7	240.5	284.5	230.3	291.3	287.9
90°	226.9	118.6	40.6	44.0	77.9	132.1	243.9	277.8	230.3	274.4	274.4
92.5°	233.7	115.2	44.0	50.8	94.8	149.0	240.5	271.0	230.3	254.0	254.0
95°	240.5	115.2	50.8	57.6	94.8	162.6	230.3	247.3	213.4	226.9	223.6
97.5°	182.9	84.7	61.0	64.4	88.1	125.3	186.3	193.1	138.9	135.5	132.1
100°	64.4	37.3	61.0	71.1	54.2	54.2	111.8	135.5	81.3	50.8	57.6
102.5°	20.3	16.9	54.2	71.1	44.0	20.3	57.6	84.7	61.0	6.8	6.8
105°	20.3	20.3	30.5	57.6	30.5	6.8	20.3	47.4	37.3	6.8	6.8
107.5°	20.3	16.9	13.5	33.9	10.2	6.8	10.2	10.2	10.2	3.4	6.8



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

CANDELA DISTRIBUTION (continued):

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