

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: P559838

Luminaire Tested: **SDL-PA1-100-730-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559838
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-PA1-100-730-U-T3-A
Description: Springdale
(1) 70 CRI, 3000K, 1200mA 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: 8798.5 lumens
Efficiency: N/A
Efficacy: 93.8 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): 93.8
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

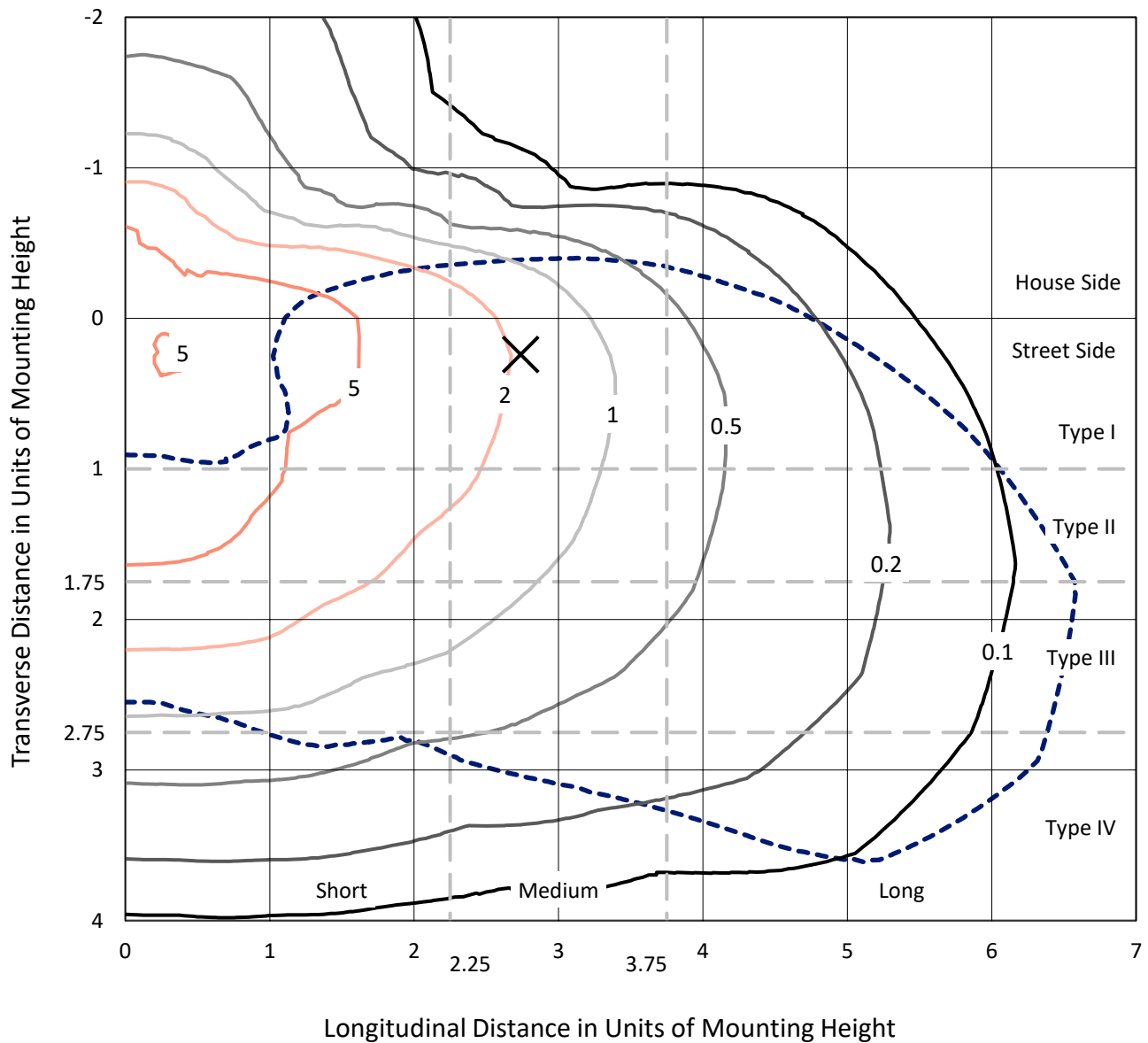


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

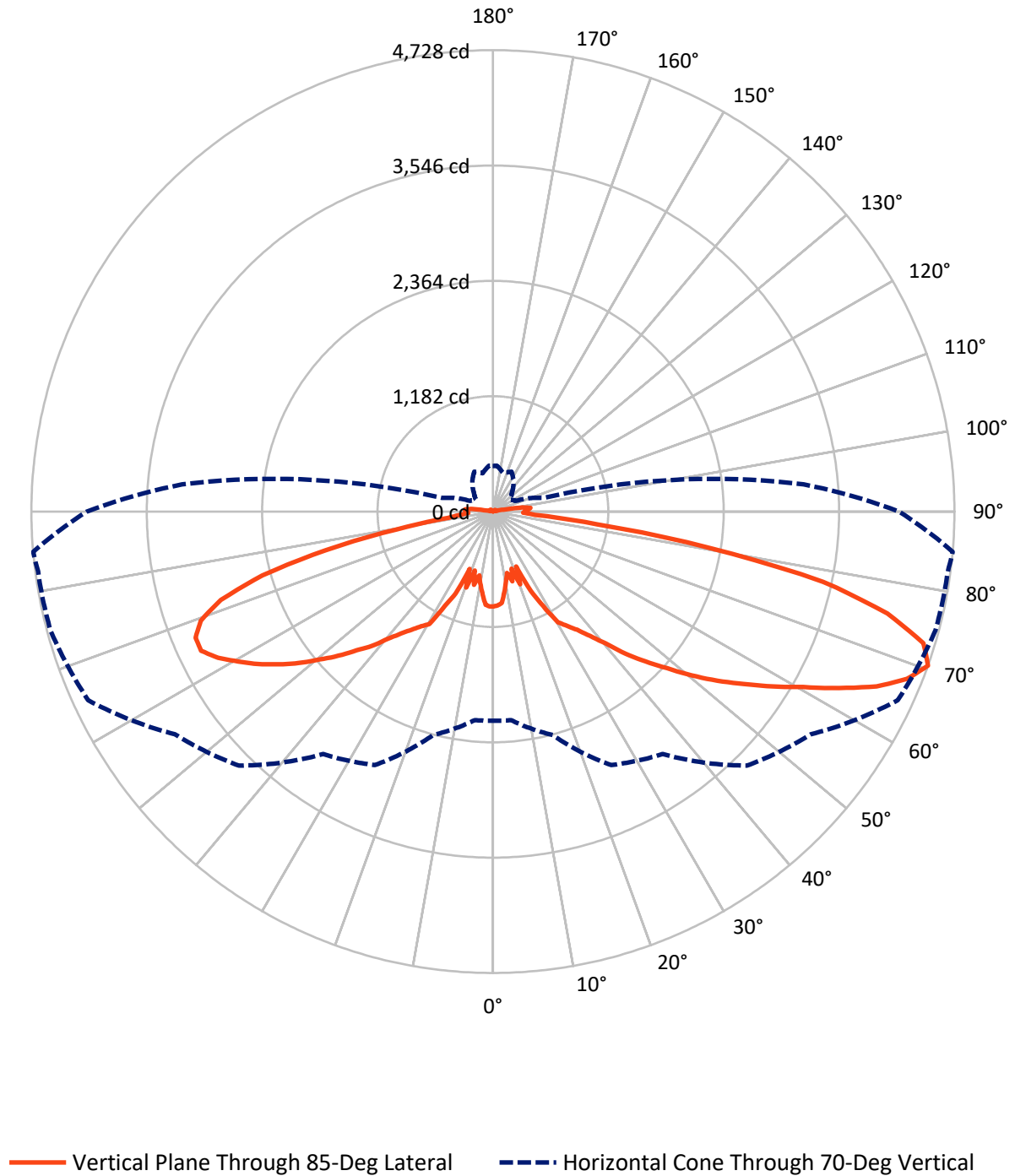


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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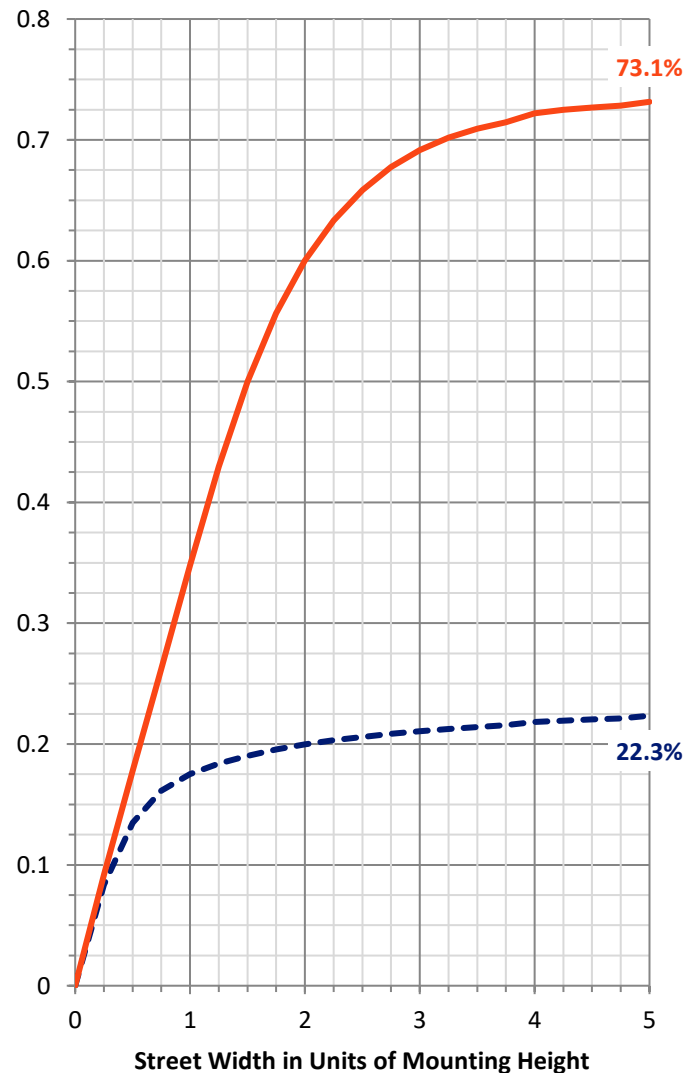
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2068.6	133.2	2201.8
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	6484.1	112.6	6596.7
	% Fixture	73.7	1.3	75.0
Total	Lumens	8552.8	245.8	8798.5
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	0.9
10°-20°	194.1	2.2
20°-30°	353.6	4.0
30°-40°	668.5	7.6
40°-50°	1117.2	12.7
50°-60°	1743.6	19.8
60°-70°	2162.3	24.6
70°-80°	1766.6	20.1
80°-90°	467.6	5.3
90°-100°	177.5	2.0
100°-110°	37.8	0.4
110°-120°	12.2	0.1
120°-130°	9.5	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°	8552.8	97.2
0°-180°	8798.5	100.0



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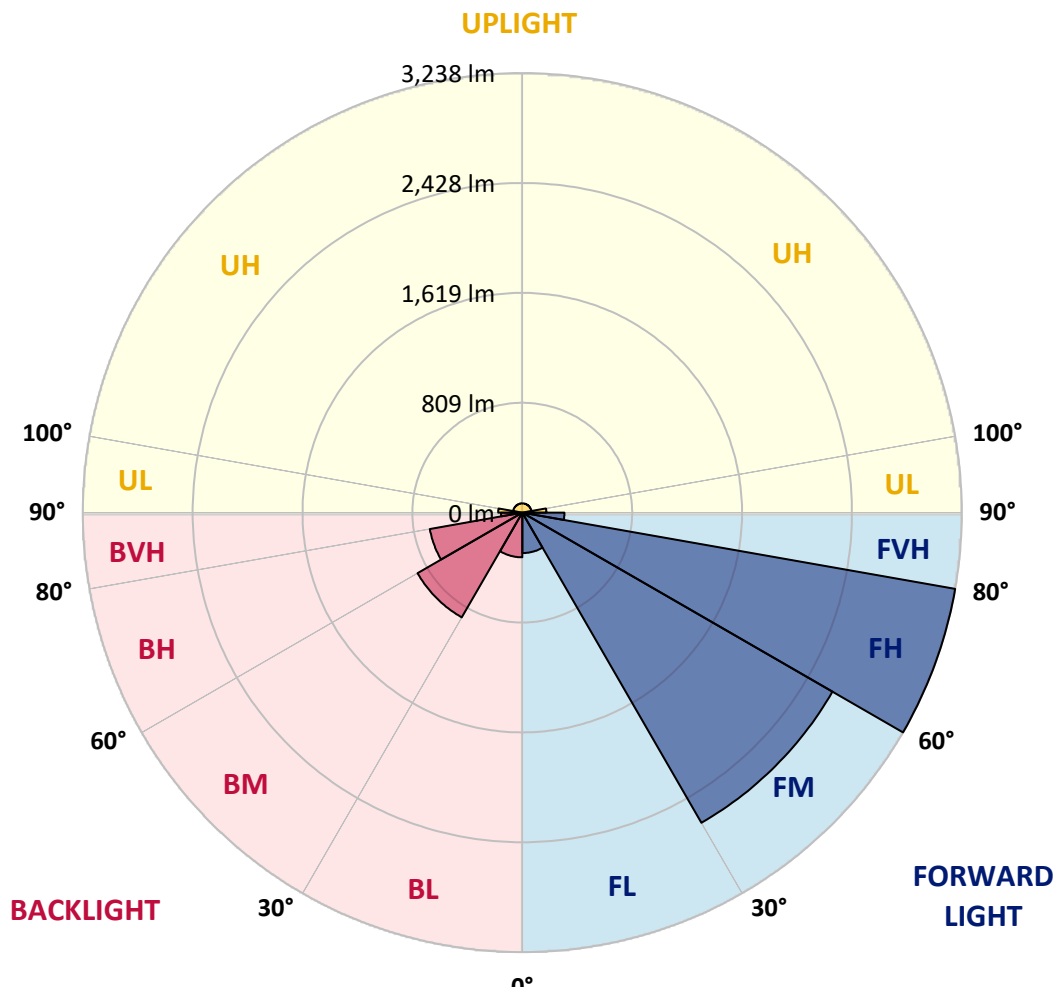
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.0	3.4			
FM	(30°-60°)	2638.2	30.0			
FH	(60°-80°)	3237.7	36.8			G2/5000
FVH	(80°-90°)	310.2	3.5			G3/500
BL	(0°-30°)	329.0	3.7	B1/500		
BM	(30°-60°)	891.0	10.1	B1/1000		
BH	(60°-80°)	691.2	7.9	B2/1000		G2/1000
BVH	(80°-90°)	157.4	1.8			G2/225
UL	(90°-100°)	177.5	2.0		U3/500	
UH	(100°-180°)	68.3	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°	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1
2.5°	805.0	883.4	869.8	893.7	907.3	927.8	941.4	948.2	955.1	961.9	961.9
5°	747.0	750.4	753.8	757.2	764.0	774.3	784.5	893.7	927.8	941.4	941.4
7.5°	682.2	678.8	692.4	709.5	733.3	747.0	757.2	760.6	798.2	828.8	835.7
10°	678.8	682.2	682.2	689.0	648.1	644.7	596.9	600.3	651.5	729.9	733.3
12.5°	590.1	607.1	644.7	671.9	631.0	566.2	556.0	583.3	545.7	641.2	644.7
15°	658.3	654.9	654.9	627.6	532.1	559.4	498.0	518.5	634.4	723.1	740.2
17.5°	573.0	566.2	634.4	614.0	552.6	467.3	559.4	552.6	573.0	624.2	614.0
20°	719.7	712.9	699.2	532.1	559.4	586.7	569.6	532.1	671.9	750.4	794.7
22.5°	671.9	678.8	712.9	675.4	576.4	603.7	538.9	654.9	634.4	603.7	610.6
25°	917.5	910.7	876.6	661.7	689.0	562.8	658.3	583.3	805.0	893.7	900.5
27.5°	845.9	835.7	811.8	832.3	699.2	736.8	641.2	764.0	890.2	1047.1	1094.9
30°	1122.2	1112.0	1084.7	839.1	832.3	729.9	777.7	938.0	1200.6	1320.0	1316.6
32.5°	1446.2	1371.2	1204.0	1074.4	890.2	948.2	890.2	1105.1	1279.1	1395.1	1395.1
35°	1644.1	1630.4	1541.7	1248.4	1036.9	1033.5	1023.3	1217.7	1412.1	1494.0	1487.2
37.5°	1811.2	1835.1	1770.3	1446.2	1169.9	1197.2	1146.1	1371.2	1575.8	1623.6	1616.8
40°	2043.1	2036.3	2002.2	1616.8	1333.7	1330.3	1292.7	1555.4	1756.6	1790.7	1773.7
42.5°	2387.6	2350.1	2247.8	1845.3	1507.6	1507.6	1439.4	1729.3	1978.3	1981.7	1992.0
45°	2810.6	2793.5	2612.8	2200.0	1732.7	1729.3	1616.8	1913.5	2203.4	2220.5	2189.8
47.5°	3103.9	3052.8	2964.1	2524.1	2080.7	2002.2	1831.7	2094.3	2472.9	2459.3	2397.9
50°	3393.8	3352.9	3271.1	2878.8	2442.2	2285.3	2032.9	2281.9	2732.1	2694.6	2636.6
52.5°	3642.8	3588.3	3499.6	3168.7	2759.4	2636.6	2264.8	2452.4	2994.8	2933.4	2878.8
55°	3786.1	3673.5	3680.4	3428.0	2998.2	2899.3	2524.1	2728.7	3250.6	3161.9	3117.6
57.5°	3608.7	3601.9	3714.5	3588.3	3216.5	3117.6	2800.4	3005.0	3516.6	3400.7	3380.2
60°	3431.4	3451.8	3612.1	3636.0	3387.0	3315.4	3039.1	3397.3	3775.9	3649.7	3649.7
62.5°	3185.8	3243.8	3468.9	3653.1	3404.1	3509.8	3288.1	3731.5	4059.0	3943.0	3980.5
65°	2906.1	2906.1	3165.3	3513.2	3349.5	3639.4	3564.4	4096.5	4308.0	4239.8	4318.2
67.5°	2524.1	2530.9	2800.4	3240.4	3250.6	3704.2	3786.1	4383.0	4567.2	4516.0	4574.0
70°	2142.0	2145.5	2370.6	2865.2	3032.3	3680.4	3977.1	4574.0	4693.4	4700.2	4727.5
72.5°	1603.1	1661.1	1872.6	2326.2	2653.7	3581.4	4076.0	4628.6	4690.0	4700.2	4611.5
75°	863.0	890.2	1125.6	1514.4	1971.5	3175.6	4045.3	4570.6	4526.3	4406.9	4174.9
77.5°	300.2	313.8	395.7	661.7	1118.8	2247.8	3752.0	4318.2	4174.9	3799.7	3458.7
80°	194.4	194.4	214.9	317.2	508.2	1064.2	2912.9	3700.8	3363.2	2561.6	2244.4
82.5°	136.4	139.8	156.9	211.5	327.4	457.1	1514.4	1879.4	1852.1	1275.7	1074.4
85°	98.9	102.3	109.1	122.8	225.1	283.1	590.1	903.9	835.7	457.1	429.8
87.5°	44.3	51.2	44.3	54.6	88.7	174.0	283.1	279.7	266.1	303.6	310.4
90°	34.1	34.1	27.3	30.7	61.4	156.9	262.6	252.4	269.5	330.9	327.4
92.5°	34.1	34.1	27.3	30.7	58.0	156.9	276.3	245.6	279.7	354.7	358.1
95°	34.1	37.5	27.3	27.3	47.8	160.3	293.3	262.6	296.7	385.4	385.4
97.5°	30.7	30.7	20.5	23.9	37.5	146.7	293.3	225.1	218.3	310.4	307.0
100°	23.9	27.3	13.6	20.5	27.3	88.7	218.3	139.8	61.4	71.6	109.1
102.5°	23.9	23.9	13.6	17.1	20.5	37.5	116.0	81.9	17.1	23.9	23.9
105°	23.9	27.3	13.6	13.6	13.6	17.1	54.6	40.9	13.6	20.5	23.9
107.5°	27.3	27.3	10.2	10.2	10.2	10.2	20.5	17.1	13.6	23.9	27.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	23.9	23.9	10.2	10.2	6.8	6.8	6.8	10.2	13.6	20.5	23.9
115°	17.1	17.1	6.8	10.2	6.8	6.8	6.8	10.2	10.2	17.1	20.5
117.5°	17.1	13.6	6.8	6.8	3.4	6.8	6.8	10.2	13.6	23.9	23.9
120°	17.1	17.1	6.8	3.4	3.4	3.4	3.4	6.8	17.1	27.3	30.7
122.5°	17.1	17.1	6.8	3.4	3.4	3.4	3.4	6.8	17.1	27.3	30.7
125°	20.5	17.1	10.2	3.4	3.4	3.4	3.4	3.4	13.6	23.9	27.3
127.5°	17.1	17.1	10.2	3.4	3.4	3.4	3.4	3.4	10.2	20.5	23.9
130°	17.1	17.1	10.2	3.4	3.4	3.4	3.4	3.4	10.2	17.1	17.1
132.5°	13.6	13.6	10.2	3.4	3.4	3.4	3.4	3.4	6.8	13.6	13.6
135°	13.6	13.6	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	13.6	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°	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1
2.5°	965.3	972.1	975.5	985.8	985.8	985.8	961.9	903.9	903.9	907.3	910.7
5°	951.6	958.5	972.1	924.4	876.6	873.2	890.2	900.5	903.9	907.3	900.5
7.5°	842.5	856.1	849.3	852.7	876.6	900.5	920.9	907.3	873.2	849.3	856.1
10°	750.4	764.0	689.0	695.8	723.1	791.3	903.9	941.4	965.3	975.5	975.5
12.5°	658.3	668.5	603.7	699.2	651.5	757.2	880.0	972.1	880.0	842.5	842.5
15°	753.8	774.3	695.8	620.8	634.4	767.5	675.4	927.8	955.1	961.9	968.7
17.5°	644.7	631.0	644.7	654.9	712.9	596.9	774.3	873.2	818.6	798.2	808.4
20°	811.8	825.4	753.8	644.7	651.5	760.6	689.0	781.1	931.2	934.6	941.4
22.5°	617.4	634.4	675.4	767.5	671.9	736.8	726.5	811.8	760.6	764.0	791.3
25°	907.3	920.9	849.3	685.6	733.3	665.1	733.3	723.1	852.7	859.5	859.5
27.5°	1112.0	1081.3	927.8	774.3	644.7	702.6	661.7	689.0	658.3	750.4	764.0
30°	1323.4	1323.4	1204.0	863.0	682.2	596.9	603.7	654.9	729.9	743.6	743.6
32.5°	1388.2	1384.8	1231.3	934.6	671.9	617.4	556.0	617.4	747.0	811.8	818.6
35°	1480.3	1466.7	1279.1	910.7	648.1	562.8	525.3	620.8	716.3	726.5	719.7
37.5°	1596.3	1562.2	1337.1	866.4	593.5	528.7	504.8	559.4	641.2	641.2	641.2
40°	1739.6	1685.0	1357.5	805.0	535.5	484.3	460.5	518.5	573.0	542.3	532.1
42.5°	1934.0	1852.1	1374.6	760.6	484.3	446.8	416.1	470.7	498.0	480.9	474.1
45°	2114.8	1992.0	1401.9	712.9	443.4	412.7	385.4	433.2	453.7	436.6	433.2
47.5°	2329.6	2165.9	1405.3	668.5	412.7	385.4	365.0	405.9	419.5	419.5	416.1
50°	2551.4	2333.1	1432.6	631.0	382.0	358.1	354.7	385.4	395.7	388.8	385.4
52.5°	2803.8	2520.7	1442.8	583.3	344.5	327.4	344.5	365.0	395.7	399.1	399.1
55°	3073.2	2694.6	1436.0	518.5	317.2	310.4	334.3	378.6	405.9	385.4	382.0
57.5°	3335.9	2868.6	1439.4	446.8	289.9	303.6	337.7	395.7	416.1	392.3	382.0
60°	3571.2	3025.5	1391.6	382.0	269.5	286.5	351.3	412.7	405.9	412.7	402.5
62.5°	3861.1	3189.2	1255.2	341.1	252.4	279.7	351.3	423.0	395.7	423.0	423.0
65°	4099.9	3312.0	1060.8	307.0	238.8	279.7	354.7	426.4	385.4	429.8	429.8
67.5°	4202.2	3308.6	767.5	279.7	221.7	272.9	354.7	440.0	395.7	443.4	440.0
70°	4161.3	3196.0	542.3	259.2	211.5	276.3	368.4	450.2	405.9	470.7	467.3
72.5°	3885.0	2930.0	392.3	242.2	197.8	262.6	378.6	463.9	416.1	511.6	511.6
75°	3421.1	2449.0	317.2	225.1	184.2	259.2	382.0	470.7	423.0	518.5	518.5
77.5°	2616.2	1760.0	266.1	208.1	170.5	252.4	378.6	480.9	419.5	518.5	518.5
80°	1569.0	1002.8	221.7	187.6	174.0	249.0	385.4	480.9	419.5	511.6	511.6
82.5°	723.1	460.5	197.8	156.9	163.7	245.6	392.3	474.1	402.5	511.6	491.2
85°	402.5	324.0	170.5	133.0	146.7	231.9	371.8	426.4	361.6	423.0	416.1
87.5°	300.2	252.4	109.1	68.2	95.5	163.7	286.5	337.7	272.9	327.4	324.0
90°	320.6	266.1	98.9	68.2	102.3	150.1	269.5	300.2	252.4	303.6	300.2
92.5°	344.5	279.7	98.9	71.6	116.0	163.7	269.5	293.3	249.0	276.3	279.7
95°	361.6	289.9	95.5	78.5	122.8	177.4	262.6	269.5	228.5	238.8	249.0
97.5°	283.1	218.3	85.3	81.9	119.4	143.3	214.9	211.5	156.9	146.7	146.7
100°	88.7	61.4	75.0	85.3	71.6	68.2	126.2	150.1	92.1	61.4	58.0
102.5°	27.3	23.9	68.2	81.9	54.6	30.7	68.2	95.5	68.2	10.2	13.6
105°	27.3	27.3	44.3	68.2	37.5	13.6	27.3	51.2	40.9	10.2	10.2
107.5°	27.3	23.9	17.1	37.5	13.6	10.2	13.6	13.6	13.6	10.2	10.2



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CATALOG NUMBER: SDL-PA1-100-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.3	27.3	13.6	13.6	10.2	10.2	6.8	6.8	10.2	23.9	23.9
115°	23.9	23.9	13.6	10.2	6.8	10.2	6.8	6.8	10.2	27.3	27.3
117.5°	27.3	27.3	13.6	10.2	6.8	6.8	6.8	3.4	10.2	30.7	34.1
120°	34.1	30.7	17.1	6.8	6.8	6.8	6.8	6.8	13.6	27.3	30.7
122.5°	34.1	34.1	17.1	6.8	3.4	3.4	3.4	6.8	13.6	27.3	30.7
125°	30.7	30.7	17.1	6.8	3.4	3.4	3.4	3.4	13.6	23.9	23.9
127.5°	27.3	27.3	13.6	6.8	3.4	3.4	3.4	3.4	10.2	20.5	23.9
130°	20.5	20.5	10.2	6.8	3.4	3.4	3.4	3.4	10.2	17.1	20.5
132.5°	17.1	17.1	10.2	6.8	3.4	3.4	3.4	3.4	10.2	13.6	17.1
135°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.2	13.6
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°	27.3	27.3	10.2	10.2	6.8	6.8	10.2	10.2	13.6	23.9	27.3
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110°	27.3	27.3	13.6	13.6	10.2	10.2	10.2	6.8	6.8	17.1	17.1
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(END OF REPORT)