

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: P559834

Luminaire Tested: **SDL-PA1-100-730-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559834
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-PA1-100-730-U-T2U-A
Description: Springdale
(1) 70 CRI, 3000K, 1200mA 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: 8931.5 lumens
Efficiency: N/A
Efficacy: 95.2 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: B3 - 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



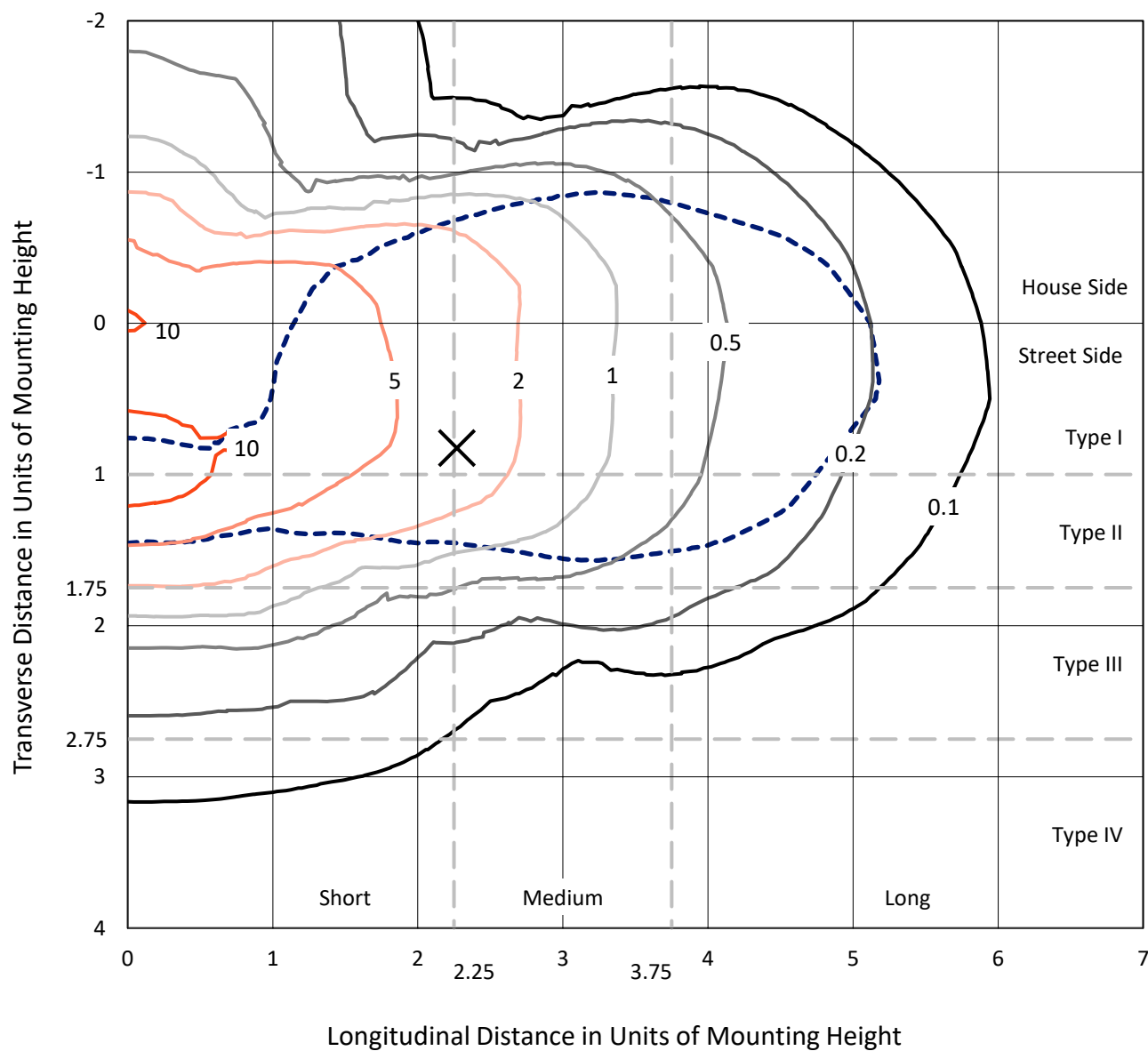
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



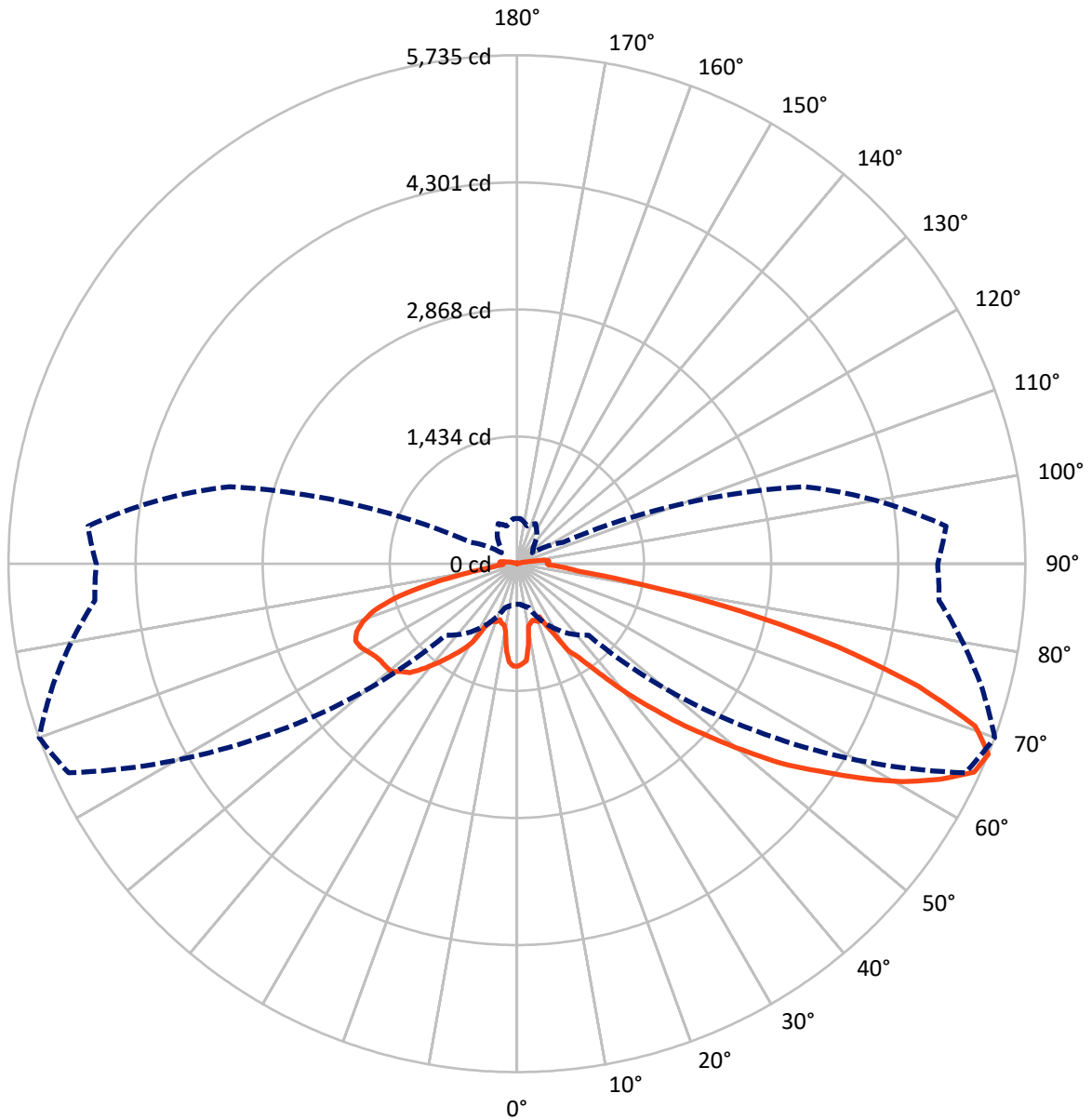
Based on 10 foot mounting height. Maximum calculated value = 14.9 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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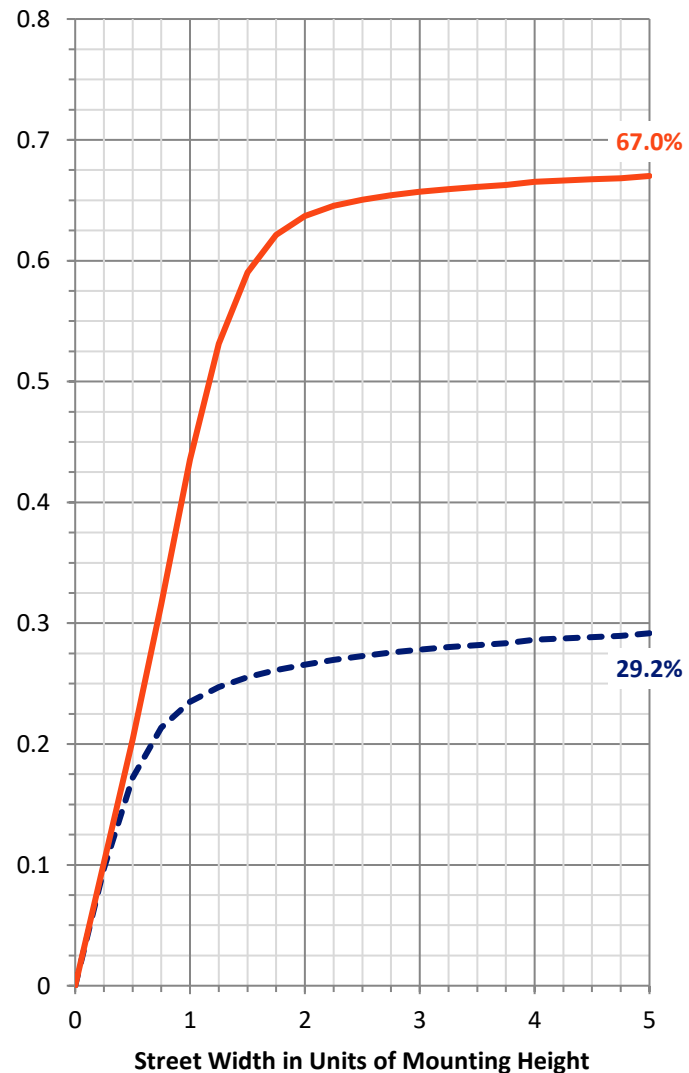
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2686.4	105.3	2791.7
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	6038.0	101.8	6139.8
	% Fixture	67.6	1.1	68.7
Total	Lumens	8724.4	207.1	8931.5
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	1.0
10°-20°	214.3	2.4
20°-30°	380.1	4.3
30°-40°	801.0	9.0
40°-50°	1497.5	16.8
50°-60°	2073.9	23.2
60°-70°	1999.8	22.4
70°-80°	1314.7	14.7
80°-90°	350.4	3.9
90°-100°	143.7	1.6
100°-110°	31.4	0.4
110°-120°	13.5	0.2
120°-130°	9.8	0.1
130°-140°	4.4	0.0
140°-150°	2.3	0.0
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8724.4	97.7
0°-180°	8931.5	100.0



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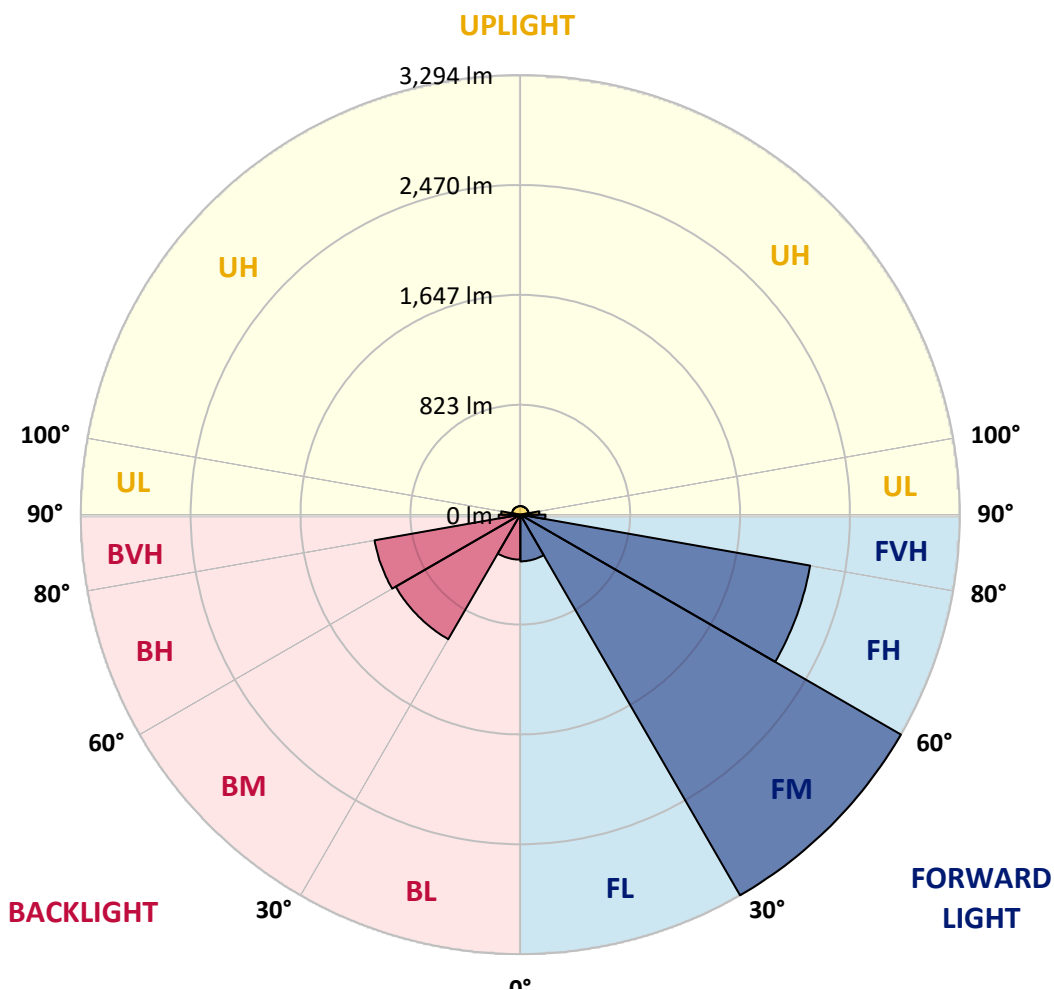
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.0	3.9			
FM	(30°-60°)	3293.9	36.9			
FH	(60°-80°)	2205.6	24.7			G2/5000
FVH	(80°-90°)	188.5	2.1			G2/225
BL	(0°-30°)	337.0	3.8	B1/500		
BM	(30°-60°)	1078.5	12.1	B2/2500		
BH	(60°-80°)	1109.0	12.4	B3/2500		G3/2500
BVH	(80°-90°)	161.9	1.8			G2/225
UL	(90°-100°)	143.7	1.6		U3/500	
UH	(100°-180°)	63.4	0.7		U3/500	

BUG Rating: B3-U3-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9
2.5°	965.0	1043.4	1019.5	1094.5	1111.6	1128.6	1132.0	1135.4	1132.0	1135.4	1142.3
5°	910.4	913.8	917.2	924.0	924.0	930.9	944.5	1087.7	1101.3	1111.6	1125.2
7.5°	760.4	794.5	859.3	883.1	893.3	907.0	913.8	913.8	927.4	961.5	985.4
10°	845.6	838.8	842.2	845.6	797.9	787.6	716.0	705.8	716.0	739.9	852.4
12.5°	709.2	743.3	814.9	832.0	774.0	685.4	675.1	688.8	685.4	617.2	722.9
15°	821.7	818.3	811.5	797.9	647.8	678.5	583.1	589.9	661.5	709.2	808.1
17.5°	716.0	712.6	808.1	780.8	681.9	528.5	664.9	617.2	675.1	624.0	668.3
20°	889.9	886.5	876.3	651.3	695.6	702.4	644.4	596.7	695.6	719.5	811.5
22.5°	808.1	808.1	872.9	855.8	705.8	743.3	613.8	726.3	651.3	661.5	613.8
25°	1111.6	1101.3	1087.7	794.5	849.0	681.9	760.4	668.3	777.4	842.2	883.1
27.5°	1077.5	1057.0	1043.4	1053.6	852.4	893.3	753.5	832.0	896.8	924.0	1029.7
30°	1513.9	1486.6	1445.7	1104.8	1060.4	913.8	910.4	1029.7	1135.4	1220.7	1278.6
32.5°	1929.9	1936.7	1725.3	1483.2	1172.9	1220.7	1084.3	1207.0	1241.1	1329.8	1363.9
35°	2475.5	2407.3	2274.3	1851.5	1428.7	1380.9	1261.6	1377.5	1411.6	1496.9	1517.3
37.5°	2905.1	2908.5	2703.9	2226.6	1711.7	1670.8	1462.8	1582.1	1643.5	1739.0	1704.9
40°	3317.7	3334.7	3171.0	2611.9	2069.7	1957.2	1704.9	1844.7	1929.9	1987.9	1929.9
42.5°	3685.9	3682.5	3570.0	3038.1	2403.9	2339.1	1960.6	2141.3	2216.3	2270.9	2226.6
45°	3975.7	3965.5	3863.2	3385.9	2799.4	2888.0	2294.7	2482.3	2560.7	2622.1	2513.0
47.5°	4074.6	4020.1	3975.7	3638.2	3167.6	3372.2	2707.3	2813.0	2905.1	3010.8	2833.5
50°	3968.9	3897.3	3914.4	3757.5	3477.9	3778.0	3150.6	3194.9	3307.4	3399.5	3136.9
52.5°	3529.1	3512.0	3607.5	3638.2	3610.9	4088.3	3648.4	3522.2	3743.9	3754.1	3450.6
55°	2949.4	2929.0	3154.0	3280.2	3484.7	4211.0	4071.2	3982.6	4125.8	4108.7	3730.2
57.5°	2376.6	2362.9	2567.5	2775.5	3130.1	4142.8	4367.9	4487.2	4558.8	4463.3	3989.4
60°	1592.3	1619.6	1970.8	2250.4	2560.7	3733.7	4480.4	4957.7	4991.8	4787.3	4262.2
62.5°	1016.1	1053.6	1278.6	1735.6	1912.9	3031.2	4398.5	5377.1	5356.7	5080.5	4514.5
65°	651.3	664.9	774.0	1176.4	1370.7	2008.3	4033.7	5663.6	5667.0	5343.0	4715.7
67.5°	456.9	460.3	511.5	733.1	947.9	1142.3	3280.2	5581.7	5735.2	5431.7	4780.4
70°	409.2	412.6	426.2	497.8	719.5	709.2	1987.9	4988.4	5482.8	5315.8	4681.6
72.5°	364.8	368.3	392.1	433.0	552.4	555.8	951.3	3972.3	4739.5	4903.2	4388.3
75°	303.5	310.3	337.6	405.8	426.2	467.1	637.6	2792.6	3730.2	4224.7	4040.5
77.5°	255.7	259.1	279.6	344.4	371.7	378.5	545.6	1548.0	2577.8	3109.7	3559.8
80°	204.6	204.6	221.6	272.8	306.9	310.3	487.6	818.3	1428.7	1882.2	2475.5
82.5°	133.0	136.4	156.8	204.6	228.5	306.9	433.0	596.7	699.0	907.0	1125.2
85°	85.2	85.2	98.9	115.9	136.4	235.3	381.9	494.4	521.7	569.4	511.5
87.5°	40.9	40.9	37.5	44.3	51.1	88.7	266.0	351.2	354.6	347.8	375.1
90°	34.1	34.1	27.3	30.7	34.1	47.7	201.2	344.4	341.0	354.6	388.7
92.5°	37.5	37.5	27.3	30.7	34.1	40.9	146.6	347.8	358.0	375.1	412.6
95°	40.9	40.9	27.3	27.3	30.7	37.5	92.1	300.1	361.4	378.5	426.2
97.5°	37.5	37.5	20.5	23.9	27.3	34.1	58.0	225.0	283.0	296.6	337.6
100°	34.1	34.1	17.0	20.5	23.9	27.3	37.5	115.9	122.8	92.1	129.6
102.5°	30.7	34.1	13.6	17.0	17.0	17.0	23.9	54.6	54.6	30.7	34.1
105°	30.7	34.1	13.6	13.6	10.2	13.6	13.6	20.5	23.9	17.0	27.3
107.5°	34.1	34.1	13.6	13.6	10.2	10.2	10.2	13.6	17.0	13.6	27.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	20.5	20.5	10.2	13.6	6.8	6.8	6.8	10.2	13.6	17.0	37.5
115°	17.0	13.6	6.8	10.2	6.8	6.8	6.8	10.2	10.2	13.6	30.7
117.5°	17.0	13.6	6.8	6.8	3.4	6.8	6.8	10.2	10.2	13.6	27.3
120°	17.0	17.0	6.8	3.4	3.4	3.4	3.4	6.8	10.2	17.0	30.7
122.5°	20.5	17.0	6.8	6.8	3.4	3.4	3.4	6.8	10.2	17.0	30.7
125°	20.5	20.5	10.2	6.8	3.4	3.4	3.4	6.8	10.2	13.6	27.3
127.5°	20.5	17.0	10.2	6.8	3.4	3.4	3.4	3.4	6.8	10.2	23.9
130°	17.0	17.0	10.2	3.4	3.4	3.4	3.4	3.4	6.8	6.8	17.0
132.5°	13.6	13.6	10.2	3.4	3.4	3.4	3.4	3.4	3.4	6.8	13.6
135°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	10.2
137.5°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	0.0	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	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
150°	6.8	6.8	13.6	10.2	6.8	3.4	6.8	3.4	3.4	3.4	3.4
152.5°	10.2	10.2	13.6	10.2	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°	0.0	0.0	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	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°	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9	1155.9
2.5°	1145.7	1145.7	1155.9	1159.3	1155.9	1152.5	1132.0	1070.7	1033.1	1036.6	1036.6
5°	1128.6	1132.0	1142.3	1080.9	1005.9	1012.7	1022.9	1026.3	1026.3	1033.1	1033.1
7.5°	995.6	999.1	971.8	982.0	1005.9	1022.9	1029.7	1012.7	958.1	937.7	937.7
10°	862.7	862.7	767.2	770.6	797.9	849.0	1009.3	1026.3	1043.4	1046.8	1043.4
12.5°	729.7	733.1	654.7	753.5	719.5	811.5	930.9	1029.7	951.3	872.9	883.1
15°	814.9	821.7	736.5	647.8	664.9	801.3	695.6	954.7	961.5	961.5	961.5
17.5°	654.7	692.2	651.3	668.3	736.5	603.5	787.6	872.9	801.3	780.8	780.8
20°	814.9	814.9	743.3	644.4	681.9	784.2	699.0	777.4	913.8	913.8	910.4
22.5°	606.9	606.9	651.3	746.7	685.4	774.0	739.9	804.7	726.3	726.3	746.7
25°	876.3	866.1	791.1	661.5	780.8	716.0	743.3	702.4	821.7	832.0	825.2
27.5°	1057.0	1050.2	849.0	760.4	733.1	763.8	668.3	654.7	630.8	726.3	716.0
30°	1251.4	1234.3	1111.6	917.2	804.7	644.4	603.5	627.4	695.6	699.0	695.6
32.5°	1343.4	1305.9	1169.5	1097.9	821.7	664.9	542.1	559.2	692.2	733.1	733.1
35°	1469.6	1428.7	1275.2	1196.8	818.3	586.5	480.8	542.1	624.0	627.4	627.4
37.5°	1643.5	1582.1	1452.5	1254.8	763.8	518.3	443.3	480.8	538.7	555.8	562.6
40°	1844.7	1766.2	1650.3	1292.3	685.4	436.4	395.5	443.3	487.6	474.0	474.0
42.5°	2127.7	2011.7	1844.7	1350.3	586.5	385.3	361.4	405.8	436.4	443.3	439.9
45°	2393.6	2250.4	2073.1	1370.7	477.4	347.8	337.6	385.3	416.0	405.8	405.8
47.5°	2693.7	2513.0	2243.6	1323.0	392.1	327.3	337.6	371.7	385.3	402.3	402.3
50°	2990.3	2796.0	2492.5	1248.0	347.8	313.7	337.6	358.0	385.3	395.5	392.1
52.5°	3259.7	3089.2	2642.5	1115.0	323.9	303.5	327.3	358.0	392.1	409.2	409.2
55°	3552.9	3379.0	2778.9	995.6	303.5	283.0	337.6	371.7	381.9	392.1	392.1
57.5°	3774.6	3638.2	2929.0	889.9	289.8	283.0	344.4	388.7	385.3	395.5	395.5
60°	4043.9	3924.6	3065.3	838.8	269.4	269.4	358.0	419.4	392.1	422.8	422.8
62.5°	4330.4	4258.7	3198.3	801.3	248.9	262.5	361.4	443.3	405.8	453.5	456.9
65°	4606.5	4620.2	3321.1	712.6	231.9	262.5	368.3	474.0	419.4	480.8	487.6
67.5°	4746.3	4858.9	3355.2	572.8	214.8	259.1	388.7	497.8	439.9	508.0	511.5
70°	4719.1	4865.7	3276.7	422.8	201.2	272.8	419.4	518.3	450.1	542.1	542.1
72.5°	4480.4	4586.1	3044.9	320.5	187.5	262.5	426.2	525.1	456.9	596.7	596.7
75°	4142.8	4033.7	2506.1	266.0	177.3	262.5	416.0	518.3	450.1	583.1	579.7
77.5°	3593.9	3229.0	1728.7	235.3	167.1	252.3	388.7	504.6	429.6	542.1	549.0
80°	2305.0	1987.9	883.1	204.6	177.3	242.1	375.1	467.1	398.9	484.2	487.6
82.5°	1050.2	883.1	402.3	180.7	173.9	218.2	341.0	416.0	347.8	412.6	409.2
85°	443.3	450.1	317.1	153.4	153.4	170.5	252.3	323.9	269.4	289.8	283.0
87.5°	344.4	330.7	218.2	92.1	98.9	75.0	163.7	231.9	177.3	187.5	184.1
90°	364.8	358.0	231.9	95.5	71.6	44.3	122.8	180.7	133.0	119.3	115.9
92.5°	388.7	385.3	259.1	102.3	71.6	37.5	105.7	146.6	95.5	81.8	78.4
95°	416.0	416.0	283.0	109.1	71.6	37.5	95.5	112.5	71.6	54.6	51.1
97.5°	330.7	337.6	242.1	112.5	68.2	37.5	85.2	92.1	54.6	30.7	30.7
100°	133.0	146.6	133.0	112.5	61.4	30.7	68.2	71.6	37.5	17.0	17.0
102.5°	30.7	37.5	92.1	98.9	47.7	20.5	44.3	44.3	23.9	10.2	10.2
105°	30.7	27.3	61.4	78.4	27.3	13.6	20.5	27.3	13.6	6.8	6.8
107.5°	30.7	30.7	27.3	37.5	13.6	10.2	10.2	10.2	6.8	6.8	6.8



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CATALOG NUMBER: SDL-PA1-100-730-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	40.9	37.5	17.0	13.6	10.2	10.2	6.8	6.8	10.2	34.1	34.1
115°	34.1	30.7	17.0	10.2	10.2	10.2	6.8	3.4	10.2	37.5	37.5
117.5°	30.7	27.3	17.0	10.2	6.8	10.2	6.8	3.4	10.2	37.5	37.5
120°	34.1	30.7	17.0	10.2	6.8	6.8	6.8	3.4	10.2	34.1	34.1
122.5°	34.1	34.1	20.5	6.8	6.8	3.4	6.8	3.4	10.2	30.7	30.7
125°	30.7	27.3	17.0	6.8	3.4	3.4	3.4	3.4	13.6	27.3	30.7
127.5°	27.3	23.9	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	20.5	17.0
132.5°	13.6	13.6	10.2	6.8	3.4	3.4	3.4	3.4	10.2	13.6	13.6
135°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2
137.5°	3.4	3.4	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	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	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	6.8	3.4	3.4	6.8	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	10.2	10.2	6.8
155°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	6.8	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	0.0	0.0	3.4	0.0
160°	0.0	0.0	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°	30.7	30.7	10.2	13.6	6.8	6.8	6.8	10.2	13.6	30.7
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110°	34.1	30.7	13.6	13.6	10.2	10.2	6.8	6.8	3.4	20.5	23.9
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(END OF REPORT)