

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: P559831

Luminaire Tested: **SDL-PA1-100-730-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7144.5 lumens
Efficiency: N/A
Efficacy: 76.2 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: B1 - U3 - G2

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



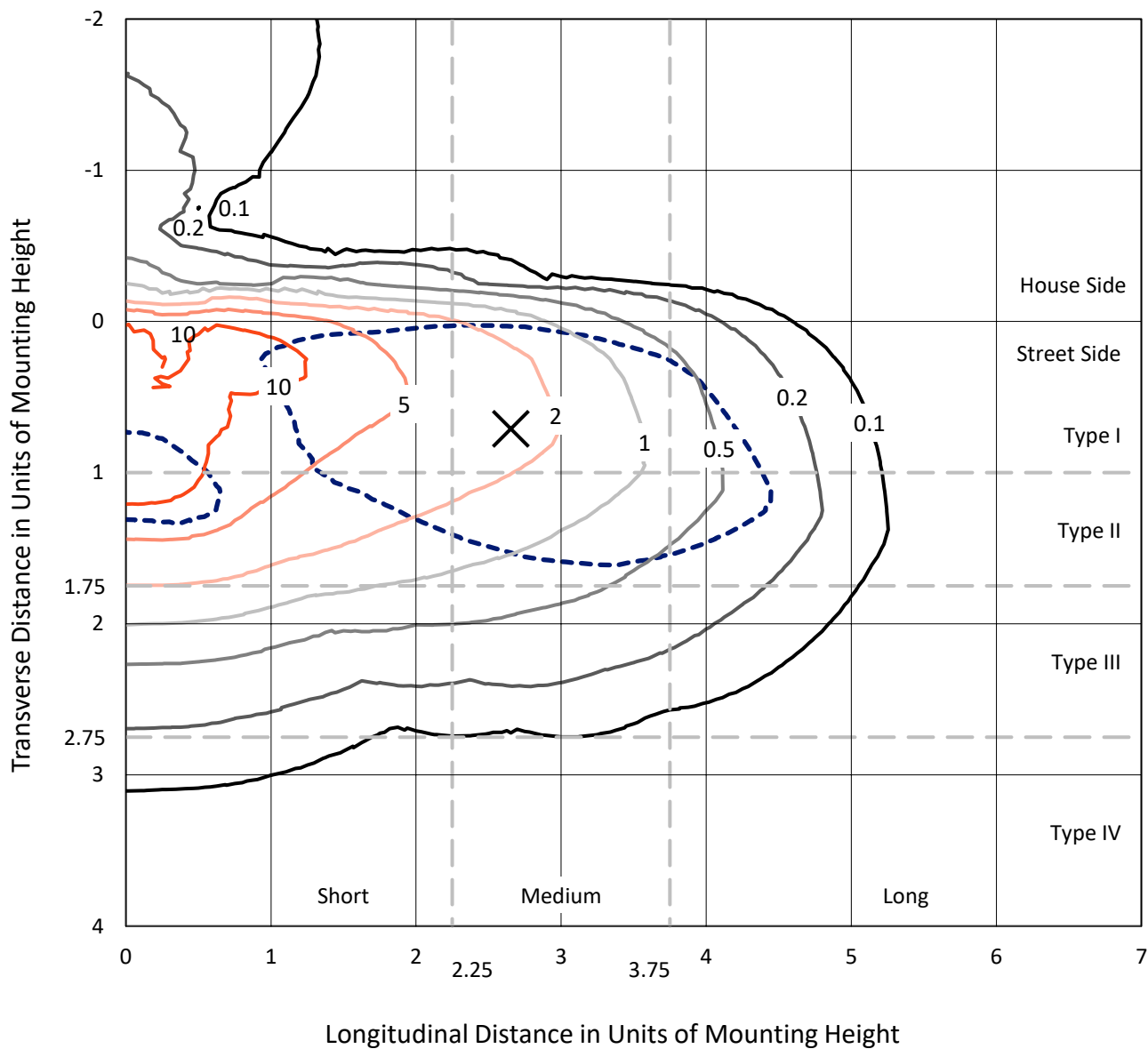
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



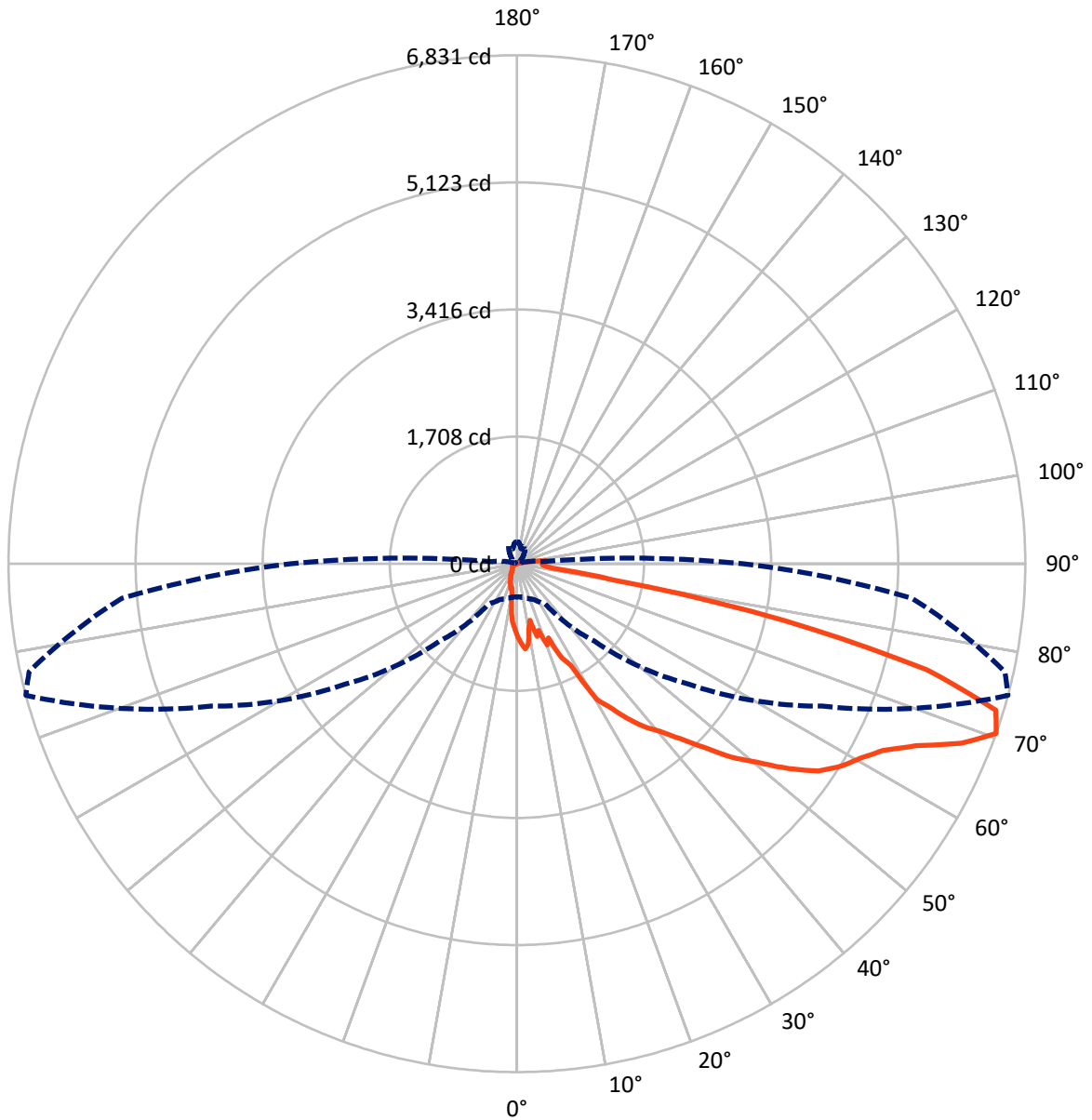
Based on 10 foot mounting height. Maximum calculated value = 17.9 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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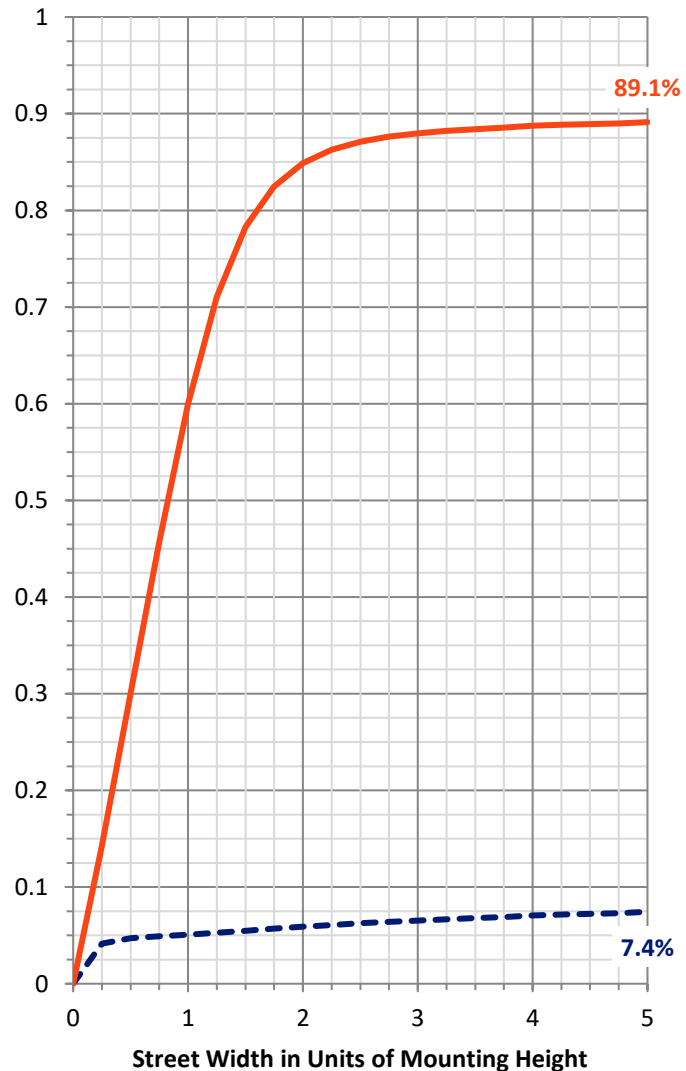
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.2	72.3	654.5
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	6399.1	91.0	6490.1
	% Fixture	89.6	1.3	90.8
Total	Lumens	6981.2	163.3	7144.5
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.1
10°-20°	188.5	2.6
20°-30°	353.6	4.9
30°-40°	793.5	11.1
40°-50°	1305.9	18.3
50°-60°	1600.7	22.4
60°-70°	1499.2	21.0
70°-80°	976.3	13.7
80°-90°	186.5	2.6
90°-100°	107.0	1.5
100°-110°	24.0	0.3
110°-120°	12.2	0.2
120°-130°	10.3	0.1
130°-140°	5.0	0.1
140°-150°	2.5	0.0
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6981.2	97.7
0°-180°	7144.5	100.0



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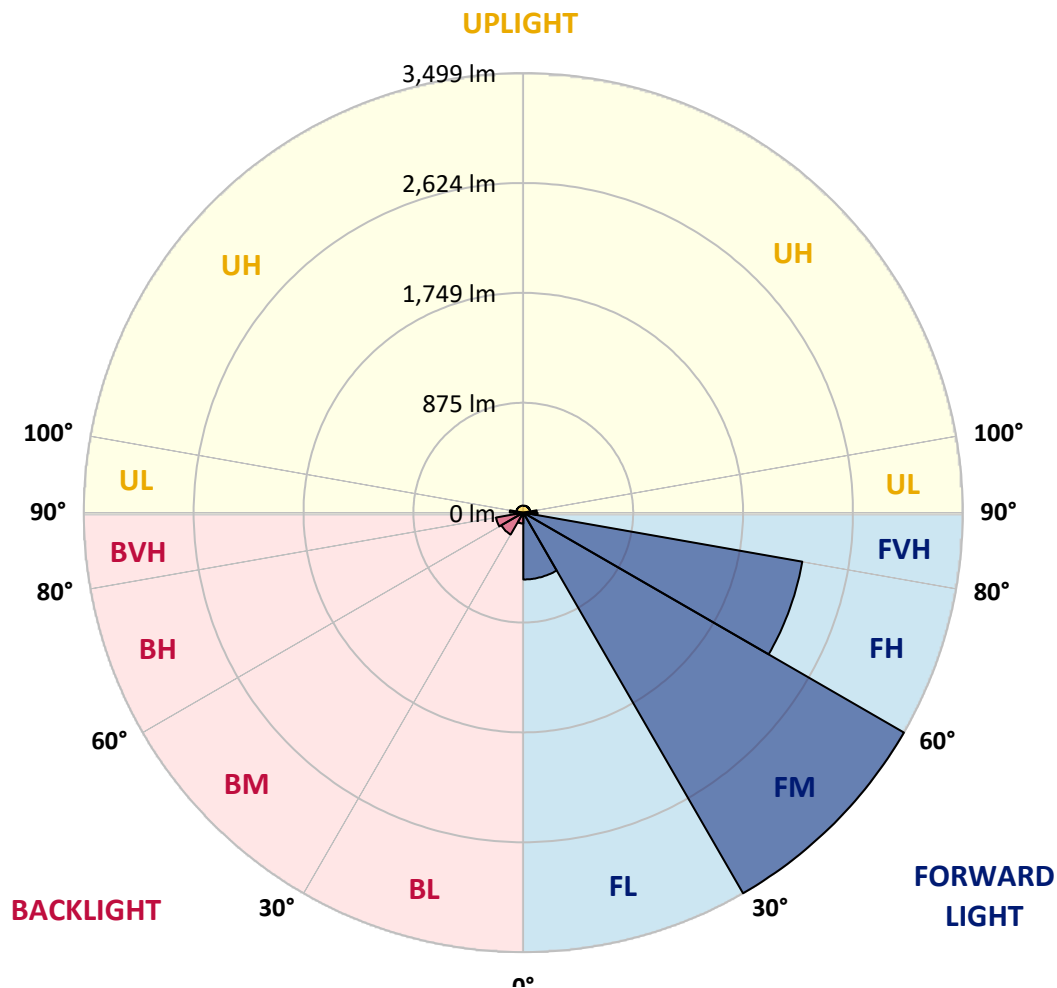
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	532.2	7.4			
FM	(30°-60°)	3498.8	49.0			
FH	(60°-80°)	2255.1	31.6			G2/5000
FVH	(80°-90°)	112.9	1.6			G2/225
BL	(0°-30°)	86.9	1.2	B0/110		
BM	(30°-60°)	201.2	2.8	B0/220		
BH	(60°-80°)	220.4	3.1	B1/500		G1/500
BVH	(80°-90°)	73.6	1.0			G1/100
UL	(90°-100°)	107.0	1.5		U3/500	
UH	(100°-180°)	56.3	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0
2.5°	1084.5	1152.7	1173.2	1207.3	1224.4	1203.9	1166.4	1118.6	1067.5	1053.8	1009.5
5°	1231.2	1217.5	1207.3	1207.3	1186.8	1142.5	1101.6	1227.8	1149.3	1132.3	1043.6
7.5°	1118.6	1224.4	1302.8	1309.6	1299.4	1265.3	1207.3	1077.7	1094.8	1074.3	965.2
10°	1353.9	1357.4	1343.7	1353.9	1258.5	1210.7	1023.1	944.7	883.3	965.2	866.3
12.5°	1122.0	1289.1	1384.6	1418.7	1299.4	1142.5	1047.0	1006.1	781.0	760.5	784.4
15°	1371.0	1377.8	1388.1	1353.9	1053.8	1197.1	972.0	896.9	1012.9	985.6	968.6
17.5°	1084.5	1098.2	1330.1	1316.4	1220.9	948.1	1156.1	1030.0	941.3	907.2	883.3
20°	1381.2	1384.6	1381.2	1047.0	1139.1	1275.5	1087.9	1053.8	1166.4	1152.7	1091.3
22.5°	1159.6	1159.6	1238.0	1343.7	1197.1	1278.9	1108.4	1313.0	1084.5	1077.7	811.7
25°	1602.9	1602.9	1548.3	1186.8	1357.4	1203.9	1316.4	1180.0	1401.7	1353.9	1217.5
27.5°	1558.6	1510.8	1425.6	1497.2	1313.0	1507.4	1275.5	1439.2	1544.9	1589.3	1517.6
30°	2165.6	2165.6	2073.6	1602.9	1538.1	1456.3	1473.3	1722.3	2117.9	2124.7	1834.8
32.5°	2933.0	2878.4	2390.7	2066.7	1681.4	1828.0	1664.3	2025.8	2302.1	2291.8	1950.8
35°	3246.7	3229.7	3079.6	2537.4	1947.4	2001.9	1875.7	2141.8	2551.0	2482.8	2090.6
37.5°	3567.3	3540.0	3386.6	2803.4	2227.0	2298.6	2032.6	2312.3	2779.5	2680.6	2244.1
40°	3765.1	3768.5	3659.4	3014.8	2448.7	2486.2	2220.2	2520.3	2963.7	2984.1	2377.1
42.5°	3973.2	3969.8	3881.1	3263.8	2632.9	2680.6	2370.3	2718.1	3212.6	3236.5	2602.2
45°	4085.7	4078.9	4027.7	3434.3	2779.5	2813.6	2602.2	2960.3	3516.2	3509.4	2786.3
47.5°	4113.0	4123.2	4119.8	3601.4	2933.0	2946.6	2810.2	3137.6	3884.5	3809.5	3028.5
50°	3959.5	3966.4	4014.1	3734.4	3045.5	3059.2	2973.9	3338.8	4194.9	4106.2	3246.7
52.5°	3533.2	3574.1	3775.4	3652.6	3093.3	3144.4	3127.4	3492.3	4573.4	4464.3	3516.2
55°	2626.0	2721.5	3181.9	3345.6	3069.4	3147.8	3263.8	3772.0	4917.9	4784.9	3734.4
57.5°	2094.0	2111.1	2383.9	2834.1	2875.0	3130.8	3407.0	3942.5	5132.7	4999.7	3891.3
60°	1654.1	1681.4	1858.7	2220.2	2510.1	3028.5	3448.0	4116.4	5303.2	5190.7	4065.3
62.5°	1282.3	1278.9	1415.3	1657.5	2022.4	2813.6	3393.4	4222.1	5521.5	5436.3	4375.6
65°	893.5	893.5	1009.5	1203.9	1531.3	2428.2	3284.3	4372.2	5893.3	5869.4	4761.0
67.5°	610.5	624.1	702.6	798.0	1050.4	1974.6	3120.6	4525.7	6435.5	6323.0	5132.7
70°	446.8	446.8	477.5	528.6	654.8	1473.3	2827.3	4529.1	6831.1	6715.2	5327.1
72.5°	330.8	330.8	354.7	378.6	412.7	978.8	2319.1	4242.6	6728.8	6544.7	4931.5
75°	173.9	173.9	269.4	279.7	276.2	634.3	1712.0	3485.5	5688.6	5381.7	3860.6
77.5°	136.4	139.8	153.5	218.3	201.2	416.1	954.9	2145.2	3676.5	3301.3	2090.6
80°	98.9	95.5	119.4	139.8	119.4	242.1	450.2	941.3	1302.8	1128.9	688.9
82.5°	58.0	61.4	71.6	102.3	102.3	170.5	293.3	412.7	467.2	463.8	412.7
85°	6.8	10.2	37.5	68.2	61.4	98.9	245.6	286.5	368.3	375.1	368.3
87.5°	6.8	6.8	10.2	13.6	17.1	64.8	208.0	249.0	341.0	364.9	368.3
90°	13.6	10.2	6.8	6.8	10.2	51.2	194.4	255.8	361.5	368.3	385.4
92.5°	17.1	13.6	6.8	3.4	10.2	40.9	184.2	255.8	375.1	399.0	416.1
95°	23.9	20.5	6.8	3.4	10.2	34.1	156.9	242.1	392.2	433.1	450.2
97.5°	30.7	27.3	6.8	6.8	10.2	27.3	122.8	191.0	259.2	293.3	317.2
100°	34.1	34.1	6.8	6.8	10.2	17.1	61.4	105.7	81.9	78.4	88.7
102.5°	37.5	37.5	6.8	6.8	6.8	10.2	20.5	44.3	17.1	17.1	27.3
105°	37.5	37.5	6.8	6.8	6.8	6.8	6.8	17.1	13.6	17.1	30.7
107.5°	34.1	37.5	6.8	10.2	10.2	6.8	6.8	6.8	13.6	20.5	30.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	23.9	17.1	3.4	10.2	6.8	6.8	3.4	6.8	17.1	23.9	34.1
115°	10.2	6.8	3.4	6.8	6.8	6.8	3.4	6.8	17.1	27.3	34.1
117.5°	6.8	3.4	3.4	3.4	3.4	6.8	3.4	10.2	23.9	30.7	40.9
120°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	10.2	30.7	34.1	47.7
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	30.7	34.1	47.7
125°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	23.9	30.7	40.9
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	17.1	23.9	34.1
130°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	17.1	20.5	27.3
132.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	10.2	13.6	20.5
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	13.6
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	3.4	0.0	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	6.8	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4
150°	6.8	10.2	17.1	13.6	6.8	3.4	6.8	3.4	3.4	3.4	3.4
152.5°	17.1	17.1	13.6	13.6	3.4	3.4	6.8	6.8	3.4	3.4	3.4
155°	13.6	13.6	10.2	3.4	3.4	3.4	3.4	6.8	10.2	13.6	10.2
157.5°	0.0	0.0	0.0	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°	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0
2.5°	975.4	941.3	866.3	808.3	746.9	712.8	648.0	593.4	552.5	545.7	545.7
5°	975.4	907.2	774.2	630.9	497.9	429.7	392.2	368.3	351.3	344.5	341.0
7.5°	873.1	784.4	607.1	439.9	382.0	320.6	276.2	242.1	211.4	201.2	191.0
10°	763.9	654.8	412.7	303.5	242.1	201.2	180.8	170.5	160.3	156.9	156.9
12.5°	678.7	566.1	330.8	249.0	170.5	143.2	136.4	129.6	126.2	122.8	119.4
15°	828.7	678.7	344.5	170.5	119.4	102.3	95.5	98.9	105.7	105.7	105.7
17.5°	767.4	596.8	286.5	129.6	98.9	75.0	81.9	88.7	95.5	85.3	81.9
20°	917.4	702.6	279.7	102.3	81.9	75.0	71.6	61.4	78.4	78.4	78.4
22.5°	665.0	532.0	211.4	95.5	68.2	64.8	54.6	61.4	64.8	54.6	54.6
25°	985.6	692.3	208.0	75.0	68.2	51.2	54.6	44.3	54.6	54.6	54.6
27.5°	1220.9	818.5	184.2	78.4	58.0	51.2	40.9	44.3	40.9	40.9	40.9
30°	1452.9	920.8	167.1	78.4	54.6	40.9	37.5	34.1	40.9	40.9	40.9
32.5°	1521.1	896.9	133.0	81.9	51.2	37.5	30.7	34.1	34.1	37.5	37.5
35°	1599.5	876.5	112.5	71.6	47.7	34.1	27.3	30.7	34.1	37.5	37.5
37.5°	1674.5	842.4	102.3	64.8	40.9	30.7	23.9	27.3	71.6	78.4	78.4
40°	1770.0	801.5	95.5	58.0	34.1	23.9	20.5	54.6	64.8	75.0	75.0
42.5°	1906.4	777.6	88.7	54.6	30.7	20.5	20.5	47.7	92.1	102.3	102.3
45°	2019.0	736.7	85.3	47.7	27.3	17.1	34.1	64.8	75.0	95.5	92.1
47.5°	2158.8	699.1	81.9	44.3	23.9	17.1	37.5	68.2	95.5	109.1	109.1
50°	2308.9	678.7	78.4	40.9	23.9	17.1	64.8	64.8	78.4	122.8	122.8
52.5°	2499.9	665.0	71.6	34.1	20.5	34.1	88.7	78.4	95.5	126.2	126.2
55°	2591.9	620.7	68.2	30.7	17.1	34.1	95.5	88.7	98.9	133.0	133.0
57.5°	2673.8	576.4	61.4	30.7	17.1	44.3	102.3	112.5	95.5	116.0	129.6
60°	2748.8	532.0	54.6	27.3	17.1	54.6	112.5	156.9	133.0	156.9	156.9
62.5°	2922.8	497.9	47.7	30.7	13.6	61.4	146.6	191.0	150.1	191.0	187.6
65°	3086.5	457.0	44.3	27.3	17.1	71.6	160.3	221.7	163.7	221.7	221.7
67.5°	3151.3	405.8	40.9	27.3	17.1	81.9	160.3	245.6	194.4	249.0	252.4
70°	3038.7	334.2	37.5	30.7	20.5	92.1	167.1	262.6	208.0	289.9	289.9
72.5°	2581.7	228.5	37.5	34.1	40.9	102.3	197.8	272.8	218.3	347.9	351.3
75°	1926.9	129.6	40.9	37.5	44.3	116.0	218.3	283.1	228.5	351.3	351.3
77.5°	1098.2	88.7	40.9	44.3	54.6	116.0	228.5	293.3	225.1	344.5	337.6
80°	382.0	64.8	40.9	51.2	68.2	116.0	231.9	289.9	218.3	320.6	320.6
82.5°	259.2	54.6	40.9	51.2	81.9	122.8	228.5	272.8	194.4	269.4	259.2
85°	242.1	44.3	44.3	54.6	88.7	122.8	208.0	235.3	163.7	201.2	197.8
87.5°	238.7	40.9	51.2	58.0	95.5	112.5	177.3	194.4	133.0	163.7	160.3
90°	249.0	40.9	54.6	61.4	88.7	92.1	143.2	163.7	109.1	129.6	126.2
92.5°	266.0	40.9	58.0	68.2	78.4	68.2	116.0	129.6	92.1	98.9	95.5
95°	283.1	40.9	64.8	71.6	64.8	51.2	88.7	105.7	75.0	71.6	71.6
97.5°	187.6	30.7	68.2	71.6	54.6	37.5	68.2	81.9	44.3	37.5	37.5
100°	61.4	23.9	71.6	75.0	51.2	27.3	58.0	61.4	34.1	17.1	17.1
102.5°	27.3	23.9	64.8	64.8	44.3	20.5	40.9	44.3	23.9	6.8	6.8
105°	23.9	13.6	37.5	47.7	30.7	10.2	20.5	23.9	13.6	6.8	6.8
107.5°	27.3	13.6	20.5	27.3	13.6	10.2	10.2	10.2	6.8	6.8	6.8



REPORT NUMBER: P559831

CATALOG NUMBER: SDL-PA1-100-730-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.7	13.6	10.2	13.6	10.2	10.2	6.8	6.8	13.6	23.9	23.9
115°	30.7	13.6	10.2	13.6	10.2	10.2	6.8	3.4	13.6	34.1	37.5
117.5°	34.1	17.1	6.8	10.2	6.8	6.8	6.8	3.4	17.1	44.3	44.3
120°	40.9	17.1	6.8	6.8	6.8	3.4	6.8	6.8	17.1	47.7	47.7
122.5°	40.9	20.5	6.8	6.8	6.8	3.4	3.4	6.8	20.5	44.3	47.7
125°	34.1	17.1	6.8	6.8	6.8	3.4	3.4	6.8	20.5	40.9	47.7
127.5°	27.3	17.1	6.8	6.8	6.8	3.4	3.4	6.8	20.5	34.1	37.5
130°	23.9	13.6	6.8	6.8	6.8	3.4	3.4	6.8	17.1	27.3	30.7
132.5°	17.1	10.2	6.8	6.8	6.8	3.4	3.4	3.4	17.1	27.3	27.3
135°	13.6	10.2	6.8	6.8	6.8	3.4	3.4	3.4	13.6	20.5	20.5
137.5°	6.8	3.4	6.8	6.8	6.8	3.4	3.4	3.4	10.2	10.2	10.2
140°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	6.8	3.4
142.5°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
155°	6.8	6.8	3.4	6.8	3.4	3.4	0.0	3.4	3.4	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	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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110°	30.7	30.7	6.8	10.2	10.2	6.8	3.4	6.8	13.6	20.5	34.1
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110°	27.3	13.6	10.2	17.1	13.6	10.2	6.8	6.8	6.8	10.2	10.2
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(END OF REPORT)