

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: P559833

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
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
Description: Springdale
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9310.1 lumens
Efficiency: N/A
Efficacy: 99.3 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 - U0 - 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



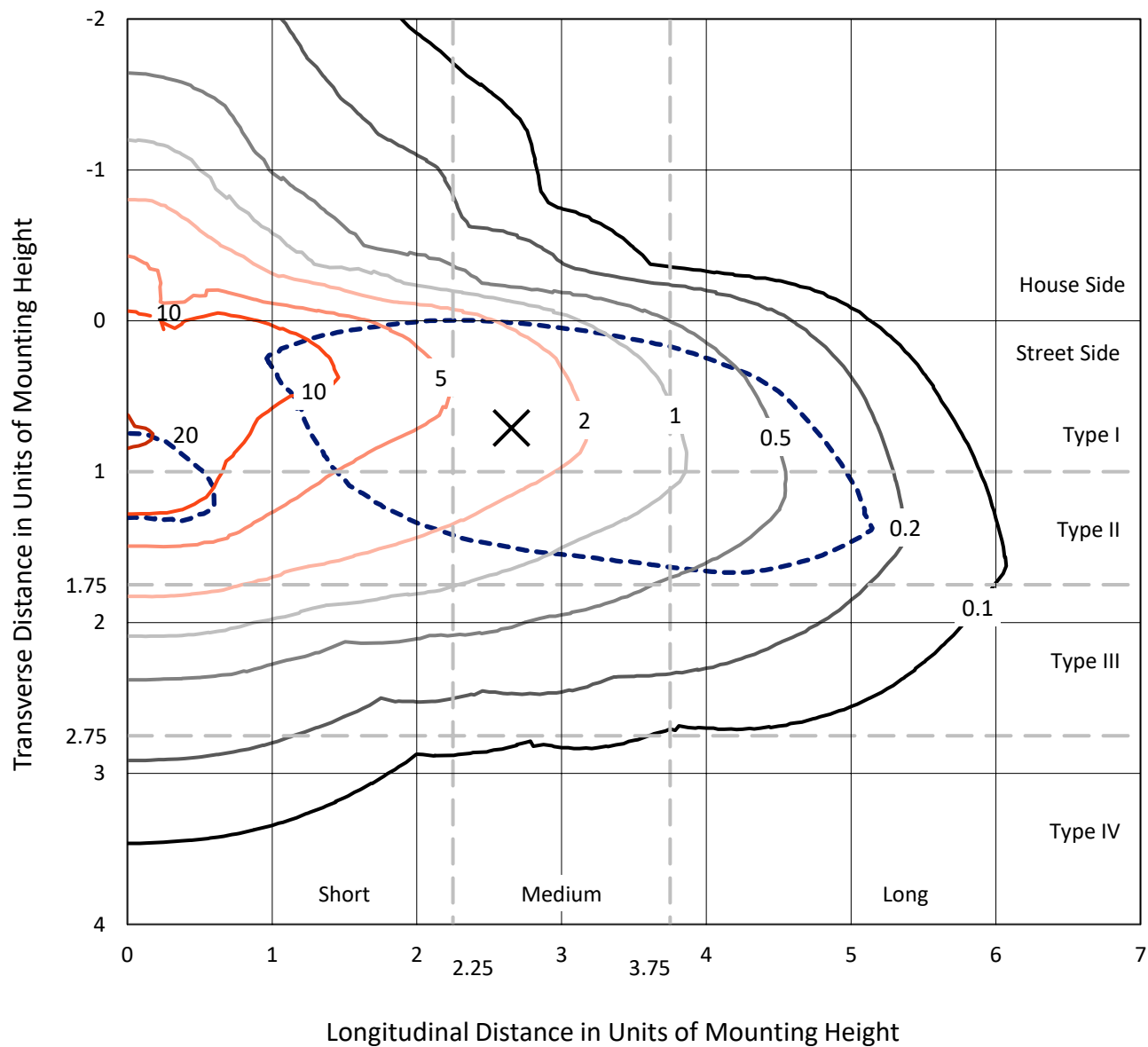
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



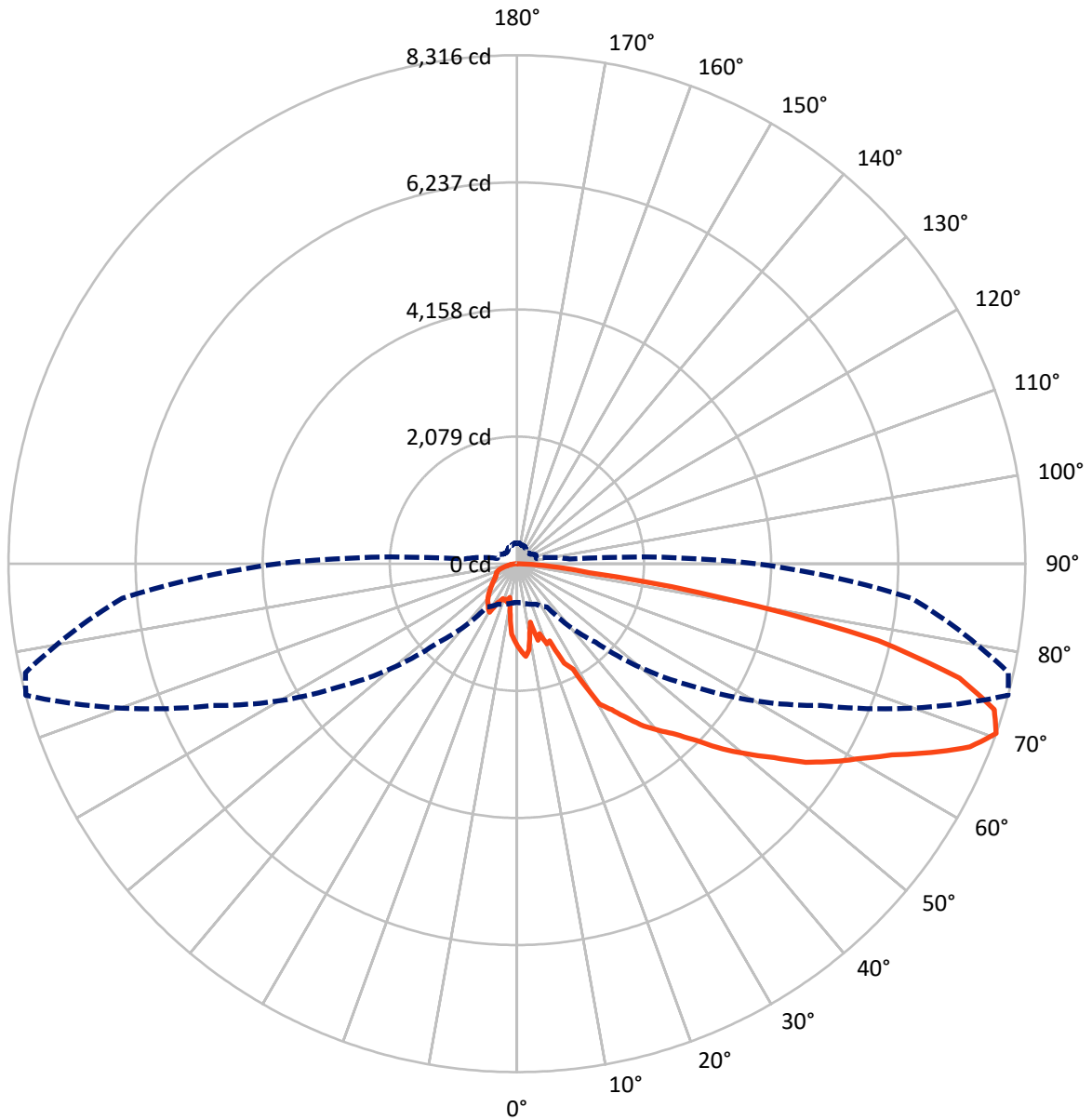
Based on 10 foot mounting height. Maximum calculated value = 21.2 fc

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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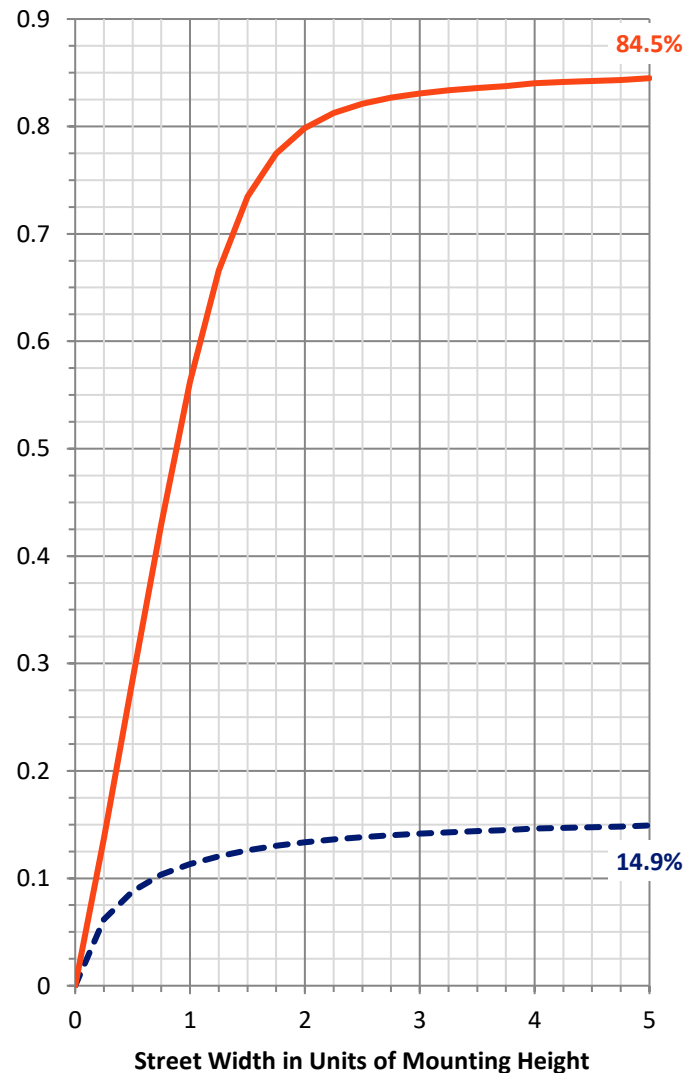
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1416.3	0.0	1416.3
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7893.9	0.0	7893.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	9310.1	0.0	9310.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	1.2
10°-20°	295.8	3.2
20°-30°	540.7	5.8
30°-40°	1097.7	11.8
40°-50°	1684.7	18.1
50°-60°	2031.0	21.8
60°-70°	1964.1	21.1
70°-80°	1362.4	14.6
80°-90°	222.5	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9310.1	100.0
0°-180°	9310.1	100.0



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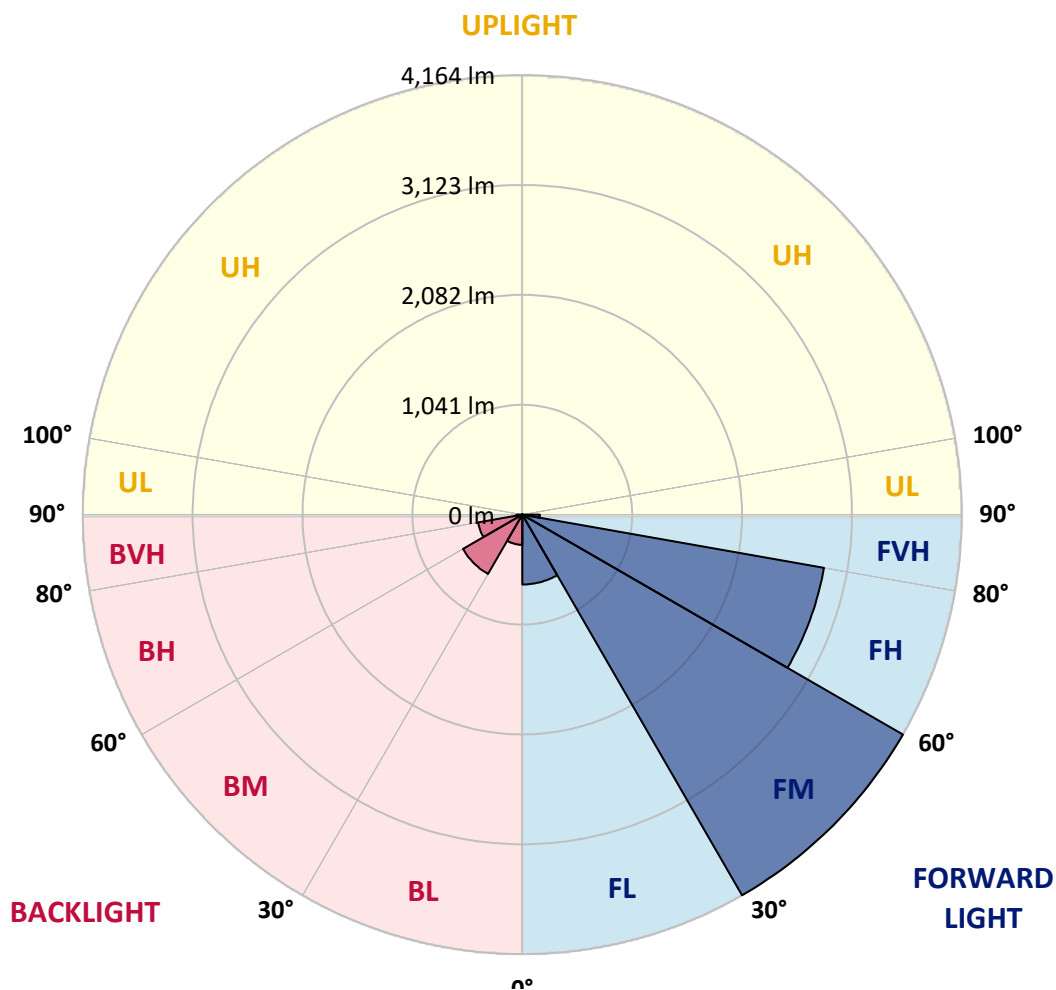
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	661.8	7.1			
FM	(30°-60°)	4163.7	44.7			
FH	(60°-80°)	2901.8	31.2			G2/5000
FVH	(80°-90°)	166.6	1.8			G2/225
BL	(0°-30°)	285.9	3.1	B1/500		
BM	(30°-60°)	649.6	7.0	B1/1000		
BH	(60°-80°)	424.8	4.6	B1/500		G1/500
BVH	(80°-90°)	55.9	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5
2.5°	1396.8	1530.4	1465.3	1540.6	1578.3	1554.3	1533.8	1482.4	1437.9	1420.8	1376.3
5°	1540.6	1537.2	1520.1	1513.2	1482.4	1444.8	1414.0	1585.1	1523.5	1492.7	1414.0
7.5°	1366.0	1482.4	1568.0	1612.5	1612.5	1568.0	1520.1	1311.2	1417.4	1390.0	1277.0
10°	1715.2	1715.2	1711.8	1715.2	1407.1	1482.4	1273.6	1184.6	1146.9	1235.9	1146.9
12.5°	1458.5	1585.1	1728.9	1780.3	1639.9	1400.3	1304.4	1253.0	982.6	962.0	1016.8
15°	1715.2	1725.5	1739.2	1530.4	1301.0	1485.8	1136.6	1126.4	1301.0	1270.2	1283.9
17.5°	1376.3	1390.0	1687.8	1650.2	1513.2	1126.4	1417.4	1266.7	1201.7	1160.6	1157.2
20°	1735.8	1742.6	1739.2	1304.4	1396.8	1533.8	1468.7	1116.1	1400.3	1417.4	1434.5
22.5°	1468.7	1472.2	1489.3	1660.5	1414.0	1598.8	1324.9	1663.9	1372.9	1414.0	1068.2
25°	1975.4	1975.4	1913.8	1496.1	1711.8	1458.5	1612.5	1431.1	1800.8	1752.9	1605.7
27.5°	1841.9	1828.2	1756.3	1852.2	1544.1	1845.3	1595.4	1797.4	1954.9	1886.4	1948.0
30°	2588.3	2605.4	2512.9	1924.1	1879.6	1770.0	1838.5	2129.5	2660.1	2622.5	2341.8
32.5°	3464.7	3303.8	2882.7	2492.4	2054.2	2160.3	2054.2	2512.9	2848.4	2855.3	2478.7
35°	3889.2	3875.5	3694.1	2940.9	2362.3	2362.3	2304.1	2622.5	3091.5	3047.0	2625.9
37.5°	4228.2	4207.6	4081.0	3324.3	2639.6	2625.9	2437.6	2790.2	3368.8	3255.9	2786.8
40°	4515.8	4488.4	4378.8	3591.4	2940.9	2875.8	2601.9	2982.0	3584.5	3594.8	2940.9
42.5°	4707.5	4697.2	4618.5	3834.5	3190.8	3074.4	2821.1	3228.5	3813.9	3872.1	3132.6
45°	4858.1	4854.7	4786.2	4101.5	3368.8	3255.9	3053.9	3413.3	4128.9	4163.1	3338.0
47.5°	4875.2	4888.9	4888.9	4235.0	3492.1	3416.8	3293.5	3577.7	4529.4	4457.5	3577.7
50°	4697.2	4710.9	4796.5	4457.5	3598.2	3550.3	3498.9	3776.2	4895.8	4789.6	3831.0
52.5°	4241.9	4272.7	4505.5	4348.0	3653.0	3649.6	3690.7	4033.0	5268.9	5156.0	4166.5
55°	3262.7	3283.2	3861.8	4026.2	3635.9	3673.5	3834.5	4351.4	5731.1	5631.8	4519.2
57.5°	2492.4	2550.6	2913.5	3416.8	3447.6	3653.0	3926.9	4574.0	6104.3	6005.0	4844.4
60°	2006.2	2047.3	2259.6	2701.2	3043.6	3564.0	4053.6	4851.3	6467.2	6419.3	5193.6
62.5°	1571.4	1598.8	1746.0	2037.1	2471.9	3355.1	4132.3	5152.5	6884.9	6860.9	5649.0
65°	1126.4	1153.8	1283.9	1475.6	1910.4	2961.4	4094.6	5440.1	7446.4	7422.4	6090.6
67.5°	821.7	828.5	914.1	1044.2	1355.8	2396.5	3909.8	5621.6	7994.1	7946.2	6429.6
70°	633.4	640.2	681.3	729.2	866.2	1814.5	3478.4	5484.6	8316.0	8233.8	6480.9
72.5°	513.5	513.5	530.7	554.6	592.3	1184.6	2732.0	4947.1	8165.3	8004.4	6053.0
75°	431.4	431.4	441.6	434.8	414.3	739.5	1900.1	4132.3	7477.2	7275.2	5268.9
77.5°	362.9	359.5	359.5	362.9	321.8	503.3	1160.6	3184.0	6042.7	5847.5	3906.3
80°	297.9	297.9	297.9	297.9	263.6	359.5	691.6	2112.4	3471.5	3029.9	1790.6
82.5°	219.1	222.5	232.8	232.8	219.1	263.6	359.5	883.3	1188.0	1051.1	633.4
85°	102.7	106.1	136.9	143.8	140.4	130.1	188.3	397.1	554.6	503.3	147.2
87.5°	3.4	3.4	13.7	30.8	27.4	20.5	37.7	54.8	20.5	24.0	17.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5
2.5°	1345.5	1314.7	1242.8	1181.1	1116.1	1071.6	972.3	900.4	862.8	855.9	866.2
5°	1352.3	1283.9	1140.1	958.6	821.7	787.4	773.7	770.3	766.9	766.9	766.9
7.5°	1191.4	1102.4	886.7	753.2	773.7	773.7	773.7	763.5	701.8	674.5	674.5
10°	1051.1	934.6	660.8	609.4	612.8	643.6	725.8	811.4	828.5	831.9	835.4
12.5°	910.7	797.7	561.5	592.3	534.1	633.4	749.8	835.4	753.2	712.1	712.1
15°	1146.9	986.0	650.5	520.4	527.2	633.4	571.7	773.7	828.5	831.9	835.4
17.5°	1033.9	869.6	606.0	547.8	578.6	482.7	653.9	732.7	674.5	667.6	660.8
20°	1256.5	1033.9	633.4	544.4	540.9	585.4	554.6	554.6	753.2	753.2	753.2
22.5°	931.2	766.9	616.3	612.8	517.0	578.6	551.2	616.3	592.3	582.0	582.0
25°	1366.0	1081.9	674.5	537.5	554.6	510.1	568.3	506.7	626.5	633.4	633.4
27.5°	1639.9	1270.2	732.7	595.7	510.1	547.8	469.0	510.1	482.7	486.2	486.2
30°	1954.9	1489.3	910.7	623.1	523.8	451.9	465.6	441.6	523.8	513.5	510.1
32.5°	2040.5	1503.0	876.4	660.8	510.1	455.3	421.1	455.3	486.2	530.7	530.7
35°	2139.8	1516.7	828.5	629.9	499.8	424.5	417.7	455.3	493.0	479.3	479.3
37.5°	2232.2	1526.9	790.9	592.3	458.8	414.3	414.3	421.1	458.8	438.2	438.2
40°	2338.3	1530.4	746.3	551.2	424.5	407.4	383.4	390.3	393.7	380.0	376.6
42.5°	2458.2	1526.9	695.0	513.5	393.7	380.0	362.9	362.9	373.2	369.8	366.3
45°	2588.3	1523.5	640.2	469.0	359.5	342.4	332.1	373.2	390.3	390.3	383.4
47.5°	2745.7	1523.5	588.9	417.7	335.5	308.1	301.3	345.8	380.0	386.9	393.7
50°	2927.2	1516.7	540.9	380.0	311.5	287.6	297.9	342.4	369.8	380.0	376.6
52.5°	3163.4	1503.0	499.8	349.2	294.4	263.6	280.7	332.1	366.3	369.8	366.3
55°	3368.8	1455.0	458.8	335.5	280.7	249.9	270.5	328.7	359.5	359.5	359.5
57.5°	3543.4	1386.6	424.5	325.2	277.3	246.5	267.0	325.2	345.8	356.1	356.1
60°	3755.7	1301.0	400.6	321.8	273.9	243.1	263.6	321.8	338.9	352.6	352.6
62.5°	3974.8	1229.1	386.9	321.8	263.6	246.5	263.6	321.8	335.5	352.6	349.2
65°	4152.8	1136.6	373.2	328.7	260.2	246.5	263.6	321.8	332.1	349.2	349.2
67.5°	4142.6	1010.0	356.1	345.8	263.6	249.9	263.6	318.4	325.2	349.2	342.4
70°	3909.8	862.8	328.7	342.4	273.9	249.9	260.2	308.1	311.5	342.4	332.1
72.5°	3488.7	698.4	291.0	321.8	273.9	253.3	253.3	294.4	294.4	328.7	308.1
75°	2920.3	537.5	239.7	284.2	260.2	260.2	239.7	277.3	270.5	291.0	270.5
77.5°	2177.4	407.4	184.9	236.2	236.2	256.8	229.4	256.8	246.5	249.9	239.7
80°	907.3	246.5	140.4	184.9	202.0	249.9	219.1	232.8	208.8	208.8	202.0
82.5°	376.6	157.5	95.9	116.4	136.9	222.5	208.8	198.6	171.2	157.5	147.2
85°	136.9	85.6	65.0	78.7	89.0	154.1	150.6	126.7	99.3	109.6	89.0
87.5°	10.3	13.7	13.7	17.1	17.1	20.5	34.2	34.2	20.5	17.1	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559833

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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



Report Generated By 670245982



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110°	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°	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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(END OF REPORT)