

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: P561304

Luminaire Tested: **SDL-PA1-90-760-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-760-U-T2R-A
Description: Springdale
(1) 70 CRI, 5700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8382.3 lumens
Efficiency: N/A
Efficacy: 90.7 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): 92.4
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



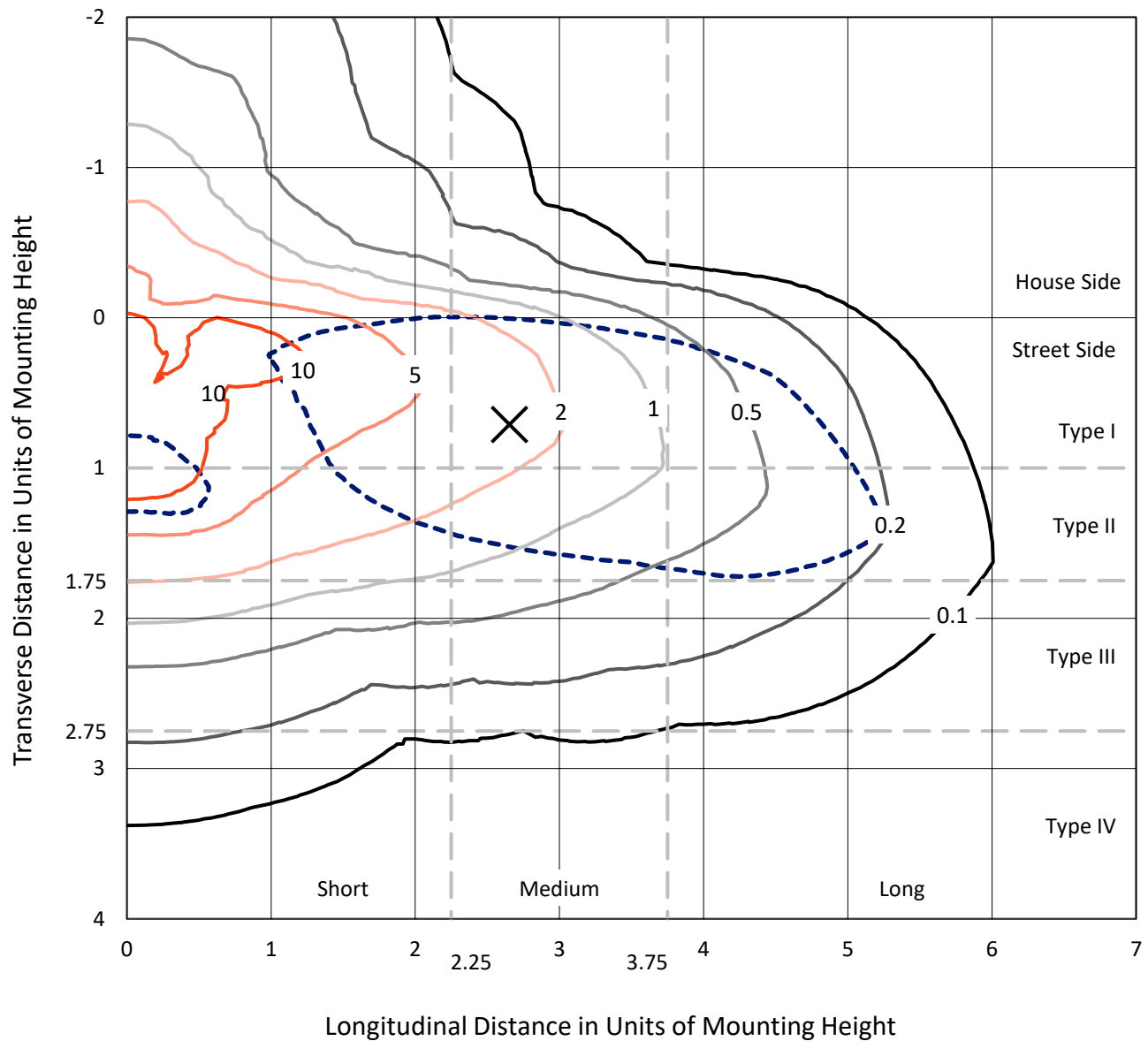
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



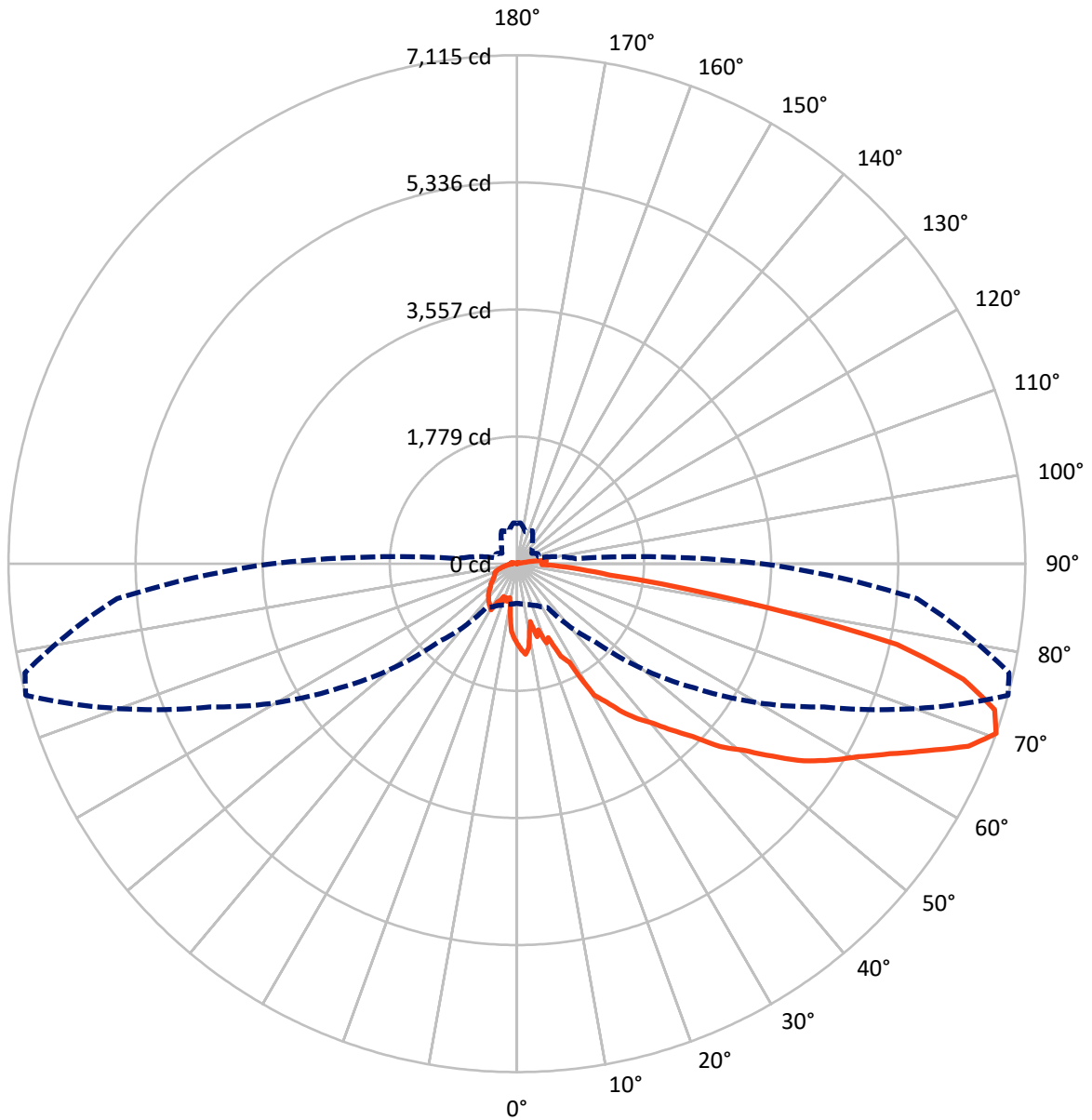
Based on 10 foot mounting height. Maximum calculated value = 17.5 fc

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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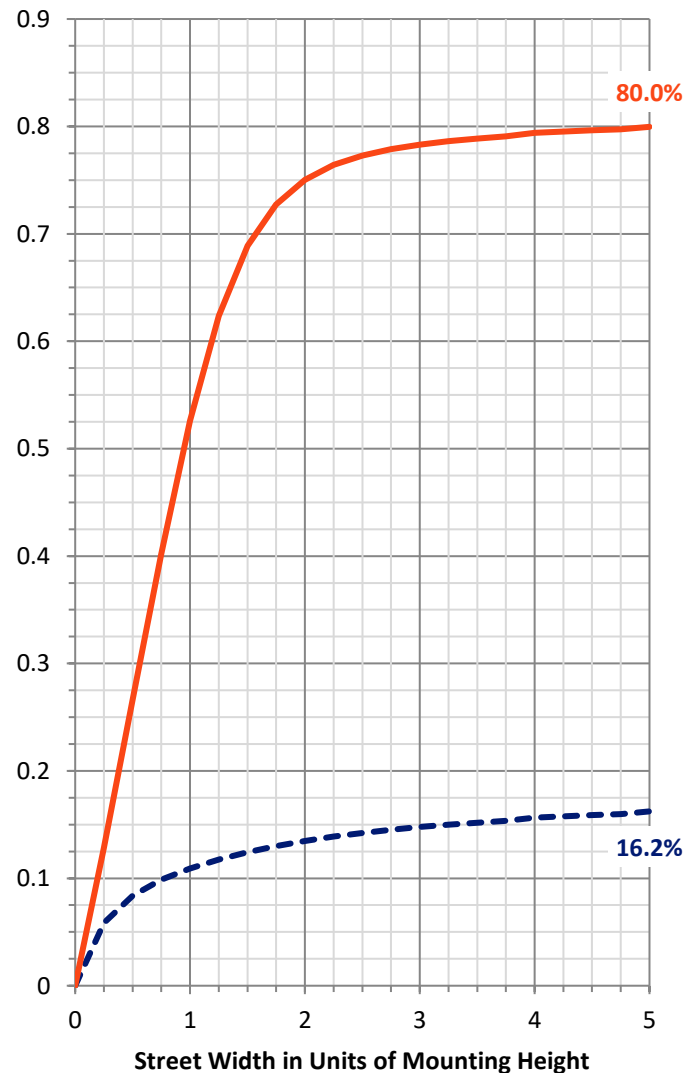
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1433.0	85.7	1518.7
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	6755.1	108.5	6863.6
	% Fixture	80.6	1.3	81.9
Total	Lumens	8188.1	194.2	8382.3
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	1.1
10°-20°	244.5	2.9
20°-30°	441.4	5.3
30°-40°	901.9	10.8
40°-50°	1416.4	16.9
50°-60°	1739.3	20.7
60°-70°	1729.8	20.6
70°-80°	1279.5	15.3
80°-90°	341.8	4.1
90°-100°	126.4	1.5
100°-110°	29.5	0.4
110°-120°	14.0	0.2
120°-130°	12.5	0.1
130°-140°	6.1	0.1
140°-150°	3.0	0.0
150°-160°	2.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8188.1	97.7
0°-180°	8382.3	100.0



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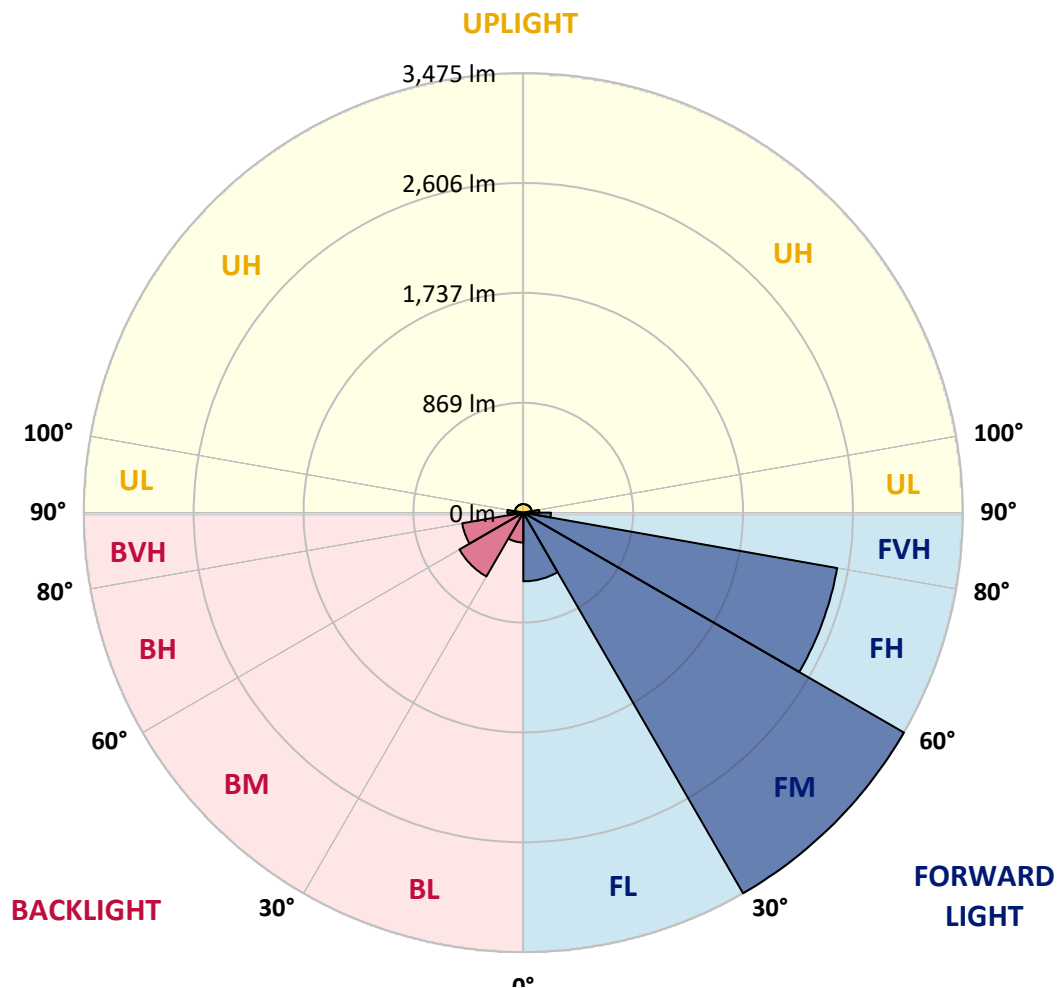
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	543.3	6.5			
FM	(30°-60°)	3474.6	41.5			
FH	(60°-80°)	2519.1	30.1			G2/5000
FVH	(80°-90°)	218.2	2.6			G2/225
BL	(0°-30°)	236.2	2.8	B1/500		
BM	(30°-60°)	583.0	7.0	B1/1000		
BH	(60°-80°)	490.2	5.8	B1/500		G1/500
BVH	(80°-90°)	123.6	1.5			G2/225
UL	(90°-100°)	126.4	1.5		U3/500	
UH	(100°-180°)	67.8	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°	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5
2.5°	1166.1	1231.6	1261.1	1293.9	1323.4	1307.0	1280.8	1241.5	1205.4	1192.3	1153.0
5°	1287.3	1280.8	1277.5	1267.7	1251.3	1221.8	1185.8	1326.6	1270.9	1248.0	1182.5
7.5°	1133.4	1313.5	1333.2	1352.8	1346.3	1310.2	1264.4	1136.6	1185.8	1156.3	1074.4
10°	1385.6	1385.6	1379.0	1385.6	1310.2	1251.3	1071.1	995.8	959.8	1038.4	963.0
12.5°	1179.2	1284.0	1415.1	1441.3	1326.6	1162.8	1087.5	1051.5	828.7	818.9	877.9
15°	1372.5	1388.9	1392.1	1398.7	1130.1	1218.5	1005.6	933.6	1058.0	1028.5	1038.4
17.5°	1103.9	1120.3	1333.2	1320.1	1215.3	972.9	1175.9	1054.8	972.9	936.8	923.7
20°	1388.9	1392.1	1382.3	1117.0	1172.7	1270.9	1100.6	1067.9	1185.8	1182.5	1133.4
22.5°	1182.5	1185.8	1221.8	1346.3	1212.0	1284.0	1107.2	1333.2	1123.5	1126.8	874.6
25°	1582.1	1585.4	1552.6	1198.9	1362.7	1205.4	1343.0	1198.9	1434.7	1388.9	1280.8
27.5°	1660.7	1539.5	1415.1	1487.1	1300.4	1497.0	1277.5	1451.1	1559.2	1549.4	1565.7
30°	2106.2	2112.8	2027.6	1628.0	1523.2	1477.3	1474.0	1723.0	2135.7	2152.1	1880.2
32.5°	2853.1	2813.8	2394.5	2008.0	1641.1	1801.6	1654.2	1994.9	2309.3	2299.5	2014.5
35°	3193.7	3154.4	2997.2	2479.6	1896.6	1945.7	1867.1	2122.6	2548.4	2473.1	2148.8
37.5°	3482.0	3475.4	3344.4	2731.9	2155.4	2227.4	1994.9	2279.8	2754.8	2676.2	2286.4
40°	3730.9	3708.0	3593.4	2957.9	2420.7	2424.0	2155.4	2469.8	2938.2	2957.9	2420.7
42.5°	3937.3	3917.6	3822.7	3183.9	2577.9	2597.6	2325.7	2663.1	3183.9	3219.9	2630.3
45°	4022.5	4032.3	3966.8	3387.0	2718.8	2754.8	2528.8	2859.6	3446.0	3475.4	2817.0
47.5°	4084.7	4088.0	4071.6	3554.1	2869.4	2885.8	2728.6	3036.5	3825.9	3767.0	3036.5
50°	3943.9	3930.7	3947.1	3681.8	3000.5	3020.1	2895.7	3219.9	4097.8	4022.5	3265.8
52.5°	3573.7	3590.1	3760.4	3616.3	3043.1	3082.4	3052.9	3380.4	4474.5	4415.5	3593.4
55°	2643.4	2715.5	3206.8	3347.7	3039.8	3108.6	3197.0	3685.1	4870.9	4782.4	3871.8
57.5°	2139.0	2139.0	2427.2	2889.1	2872.7	3092.2	3344.4	3891.4	5185.3	5123.1	4150.2
60°	1716.4	1716.4	1873.7	2292.9	2548.4	3010.3	3495.1	4196.1	5483.4	5447.4	4395.9
62.5°	1346.3	1343.0	1474.0	1709.9	2089.8	2830.1	3573.7	4458.1	5856.8	5850.3	4789.0
65°	972.9	986.0	1097.3	1244.7	1641.1	2492.7	3570.4	4694.0	6305.6	6325.2	5231.2
67.5°	720.6	727.2	789.4	897.5	1126.8	2066.9	3413.2	4857.7	6813.3	6780.5	5512.9
70°	553.6	563.4	589.6	645.3	750.1	1536.3	3033.2	4743.1	7114.7	7052.4	5617.7
72.5°	465.1	468.4	465.1	494.6	501.2	1041.6	2430.5	4307.4	6990.2	6891.9	5329.4
75°	396.4	393.1	389.8	396.4	370.1	687.9	1742.6	3645.8	6453.0	6282.6	4707.1
77.5°	340.7	337.4	324.3	327.6	294.8	507.7	1189.1	2859.6	5437.5	5037.9	3537.7
80°	281.7	281.7	271.9	271.9	248.9	386.5	759.9	1971.9	3167.5	2849.8	1840.9
82.5°	219.5	216.2	216.2	222.7	212.9	301.4	497.9	982.7	1307.0	1225.1	861.5
85°	117.9	117.9	134.3	150.7	147.4	183.4	380.0	579.8	773.0	746.8	481.5
87.5°	36.0	36.0	39.3	49.1	52.4	98.3	239.1	281.7	350.5	386.5	380.0
90°	39.3	36.0	26.2	29.5	32.8	72.1	222.7	271.9	353.8	393.1	402.9
92.5°	45.9	42.6	26.2	26.2	32.8	59.0	212.9	265.3	386.5	425.8	435.7
95°	49.1	45.9	26.2	26.2	32.8	52.4	190.0	262.0	412.7	465.1	465.1
97.5°	45.9	42.6	19.7	22.9	29.5	45.9	147.4	216.2	288.3	317.7	366.9
100°	39.3	39.3	13.1	19.7	26.2	32.8	85.2	117.9	85.2	81.9	81.9
102.5°	36.0	36.0	13.1	16.4	19.7	22.9	39.3	62.2	19.7	22.9	29.5
105°	36.0	39.3	9.8	13.1	13.1	13.1	19.7	32.8	16.4	19.7	29.5
107.5°	36.0	39.3	9.8	9.8	13.1	9.8	9.8	13.1	16.4	19.7	32.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	22.9	22.9	6.6	9.8	9.8	9.8	6.6	9.8	16.4	22.9	32.8
115°	16.4	13.1	6.6	9.8	6.6	9.8	6.6	9.8	16.4	22.9	29.5
117.5°	13.1	9.8	6.6	6.6	6.6	6.6	3.3	9.8	19.7	26.2	36.0
120°	13.1	13.1	6.6	6.6	6.6	6.6	3.3	9.8	29.5	32.8	45.9
122.5°	13.1	13.1	6.6	6.6	6.6	6.6	3.3	6.6	26.2	36.0	49.1
125°	13.1	13.1	6.6	6.6	6.6	6.6	3.3	6.6	22.9	32.8	42.6
127.5°	13.1	13.1	6.6	3.3	6.6	6.6	6.6	6.6	19.7	26.2	36.0
130°	13.1	13.1	6.6	3.3	6.6	6.6	6.6	6.6	16.4	19.7	29.5
132.5°	9.8	9.8	6.6	3.3	6.6	3.3	3.3	6.6	13.1	16.4	22.9
135°	6.6	6.6	6.6	3.3	6.6	3.3	3.3	3.3	6.6	9.8	16.4
137.5°	3.3	6.6	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	6.6
140°	3.3	3.3	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	3.3
142.5°	3.3	3.3	3.3	3.3	6.6	6.6	3.3	3.3	3.3	3.3	3.3
145°	3.3	3.3	3.3	3.3	9.8	6.6	3.3	3.3	3.3	3.3	3.3
147.5°	3.3	3.3	3.3	13.1	9.8	6.6	3.3	3.3	3.3	3.3	3.3
150°	16.4	16.4	16.4	13.1	9.8	6.6	9.8	3.3	3.3	3.3	3.3
152.5°	16.4	16.4	19.7	9.8	6.6	3.3	3.3	13.1	9.8	6.6	6.6
155°	13.1	9.8	9.8	3.3	3.3	3.3	3.3	3.3	9.8	13.1	13.1
157.5°	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	6.6	3.3	3.3
160°	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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°	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5	1123.5
2.5°	1130.1	1103.9	1041.6	995.8	940.1	891.0	848.4	753.4	737.0	727.2	723.9
5°	1130.1	1074.4	953.2	805.8	691.2	665.0	651.8	651.8	645.3	648.6	651.8
7.5°	1002.3	927.0	743.6	628.9	648.6	648.6	651.8	635.5	583.1	589.6	579.8
10°	877.9	782.9	560.1	511.0	560.1	563.4	638.7	668.2	678.1	681.3	681.3
12.5°	809.1	674.8	484.8	501.2	452.0	517.5	609.3	681.3	619.1	586.3	586.3
15°	930.3	799.3	543.8	438.9	445.5	517.5	461.9	645.3	668.2	674.8	674.8
17.5°	835.3	704.3	497.9	452.0	497.9	425.8	520.8	592.9	566.7	537.2	533.9
20°	1002.3	832.0	556.9	442.2	438.9	504.4	461.9	484.8	606.0	609.3	606.0
22.5°	779.6	665.0	494.6	501.2	438.9	481.5	455.3	501.2	478.2	475.0	478.2
25°	1081.0	861.5	570.0	432.4	458.6	425.8	458.6	422.6	507.7	514.3	517.5
27.5°	1323.4	1028.5	606.0	468.4	399.6	435.7	409.5	422.6	393.1	409.5	416.0
30°	1575.6	1198.9	740.3	517.5	422.6	373.4	380.0	376.7	425.8	422.6	416.0
32.5°	1657.5	1221.8	707.5	540.5	419.3	376.7	347.2	370.1	406.2	435.7	438.9
35°	1739.4	1238.2	681.3	517.5	409.5	353.8	340.7	380.0	409.5	412.7	422.6
37.5°	1834.3	1251.3	655.1	484.8	380.0	347.2	337.4	353.8	419.3	412.7	402.9
40°	1922.8	1257.8	622.4	455.3	347.2	340.7	314.5	353.8	370.1	383.2	389.8
42.5°	2080.0	1297.1	596.2	429.1	324.3	324.3	301.4	330.8	380.0	386.5	383.2
45°	2194.7	1284.0	560.1	406.2	301.4	288.3	294.8	360.3	383.2	422.6	416.0
47.5°	2358.4	1316.8	517.5	370.1	281.7	265.3	278.4	350.5	393.1	422.6	429.1
50°	2519.0	1310.2	481.5	340.7	268.6	252.2	307.9	340.7	386.5	435.7	435.7
52.5°	2728.6	1320.1	465.1	314.5	252.2	252.2	317.7	343.9	396.4	429.1	429.1
55°	2915.3	1284.0	425.8	304.6	248.9	242.4	321.0	357.0	399.6	429.1	432.4
57.5°	3052.9	1212.0	396.4	294.8	245.7	248.9	321.0	386.5	373.4	429.1	438.9
60°	3203.6	1133.4	370.1	294.8	245.7	258.8	330.8	409.5	409.5	448.8	448.8
62.5°	3409.9	1084.2	357.0	298.1	239.1	268.6	360.3	445.5	412.7	475.0	478.2
65°	3583.5	1018.7	347.2	311.2	242.4	281.7	376.7	475.0	432.4	504.4	501.2
67.5°	3586.8	920.5	334.1	324.3	245.7	291.5	376.7	494.6	455.3	530.7	520.8
70°	3429.6	822.2	314.5	324.3	255.5	301.4	376.7	507.7	458.6	573.2	563.4
72.5°	3092.2	671.5	285.0	311.2	271.9	314.5	396.4	504.4	458.6	619.1	609.3
75°	2630.3	537.2	245.7	285.0	271.9	330.8	409.5	501.2	442.2	589.6	570.0
77.5°	2001.4	438.9	206.4	248.9	258.8	337.4	409.5	494.6	429.1	550.3	537.2
80°	1031.8	307.9	167.1	212.9	242.4	330.8	406.2	468.4	383.2	488.1	481.5
82.5°	566.7	226.0	134.3	157.2	203.1	311.2	393.1	422.6	337.4	399.6	383.2
85°	366.9	163.8	108.1	127.7	170.3	258.8	330.8	334.1	239.1	288.3	271.9
87.5°	275.2	95.0	68.8	78.6	117.9	144.1	209.6	216.2	150.7	176.9	167.1
90°	288.3	95.0	72.1	81.9	104.8	108.1	154.0	163.8	117.9	134.3	134.3
92.5°	307.9	95.0	75.3	85.2	95.0	85.2	121.2	134.3	98.3	108.1	104.8
95°	314.5	91.7	81.9	88.4	85.2	68.8	98.3	108.1	81.9	81.9	81.9
97.5°	229.3	65.5	81.9	88.4	78.6	55.7	75.3	85.2	52.4	42.6	42.6
100°	62.2	32.8	78.6	85.2	68.8	45.9	65.5	65.5	32.8	22.9	22.9
102.5°	26.2	26.2	68.8	75.3	52.4	29.5	45.9	45.9	22.9	9.8	9.8
105°	26.2	19.7	49.1	55.7	36.0	16.4	22.9	26.2	16.4	9.8	9.8
107.5°	26.2	19.7	22.9	29.5	16.4	13.1	13.1	13.1	9.8	9.8	9.8



REPORT NUMBER: P561304

CATALOG NUMBER: SDL-PA1-90-760-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.8	22.9	13.1	16.4	13.1	9.8	9.8	9.8	13.1	29.5	29.5
115°	29.5	19.7	13.1	13.1	9.8	9.8	6.6	6.6	13.1	36.0	36.0
117.5°	32.8	22.9	13.1	13.1	9.8	6.6	6.6	6.6	16.4	42.6	42.6
120°	39.3	26.2	13.1	9.8	6.6	6.6	6.6	6.6	19.7	45.9	45.9
122.5°	42.6	29.5	13.1	9.8	6.6	3.3	6.6	9.8	22.9	45.9	45.9
125°	36.0	26.2	13.1	9.8	6.6	3.3	6.6	9.8	22.9	42.6	45.9
127.5°	32.8	22.9	13.1	6.6	6.6	3.3	3.3	9.8	19.7	32.8	39.3
130°	26.2	19.7	9.8	6.6	6.6	3.3	3.3	6.6	19.7	29.5	36.0
132.5°	22.9	16.4	9.8	6.6	6.6	3.3	3.3	6.6	19.7	26.2	26.2
135°	16.4	13.1	6.6	6.6	6.6	3.3	6.6	3.3	13.1	22.9	22.9
137.5°	9.8	6.6	6.6	6.6	6.6	3.3	3.3	3.3	9.8	13.1	13.1
140°	3.3	3.3	6.6	6.6	6.6	3.3	3.3	3.3	6.6	6.6	6.6
142.5°	3.3	3.3	6.6	6.6	6.6	3.3	3.3	3.3	6.6	6.6	6.6
145°	3.3	3.3	3.3	6.6	6.6	3.3	3.3	3.3	3.3	3.3	6.6
147.5°	3.3	3.3	3.3	6.6	3.3	3.3	3.3	3.3	3.3	3.3	6.6
150°	3.3	3.3	3.3	6.6	6.6	3.3	3.3	6.6	6.6	6.6	6.6
152.5°	3.3	3.3	6.6	6.6	3.3	3.3	3.3	6.6	6.6	6.6	6.6
155°	9.8	9.8	6.6	6.6	3.3	3.3	0.0	3.3	6.6	6.6	6.6
157.5°	3.3	3.3	6.6	3.3	3.3	3.3	0.0	3.3	3.3	3.3	3.3
160°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	3.3	3.3	3.3	3.3
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°	32.8	32.8	6.6	9.8	9.8	9.8	6.6	9.8	16.4	22.9	32.8
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110°	29.5	19.7	13.1	16.4	13.1	9.8	9.8	9.8	9.8	13.1	16.4
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