

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: P561219

Luminaire Tested: **SDL-PA1-90-727-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561219
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-PA1-90-727-U-T2R
Description: Springdale
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8471.7 lumens
Efficiency: N/A
Efficacy: 91.7 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 - U0 - 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

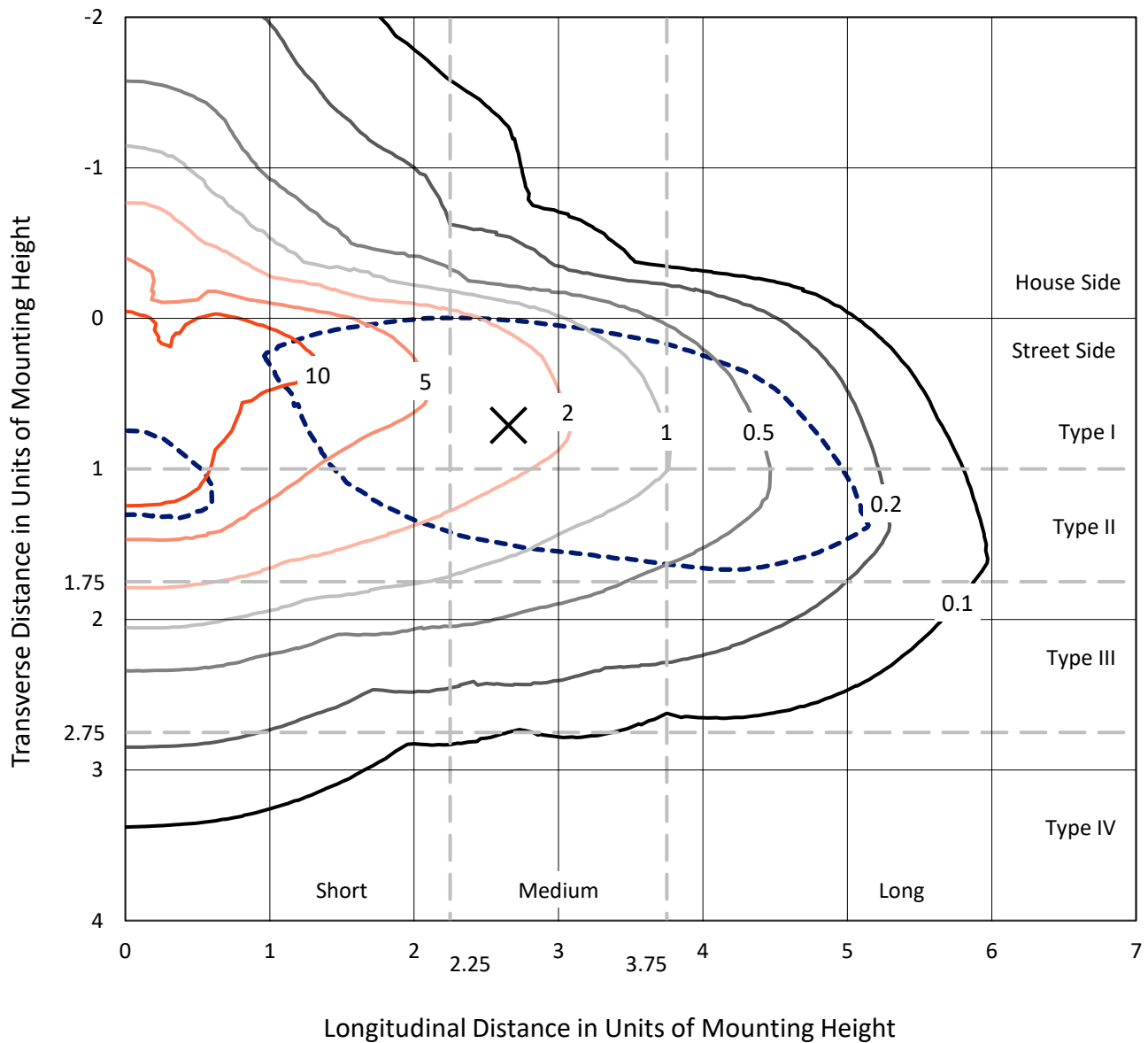


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

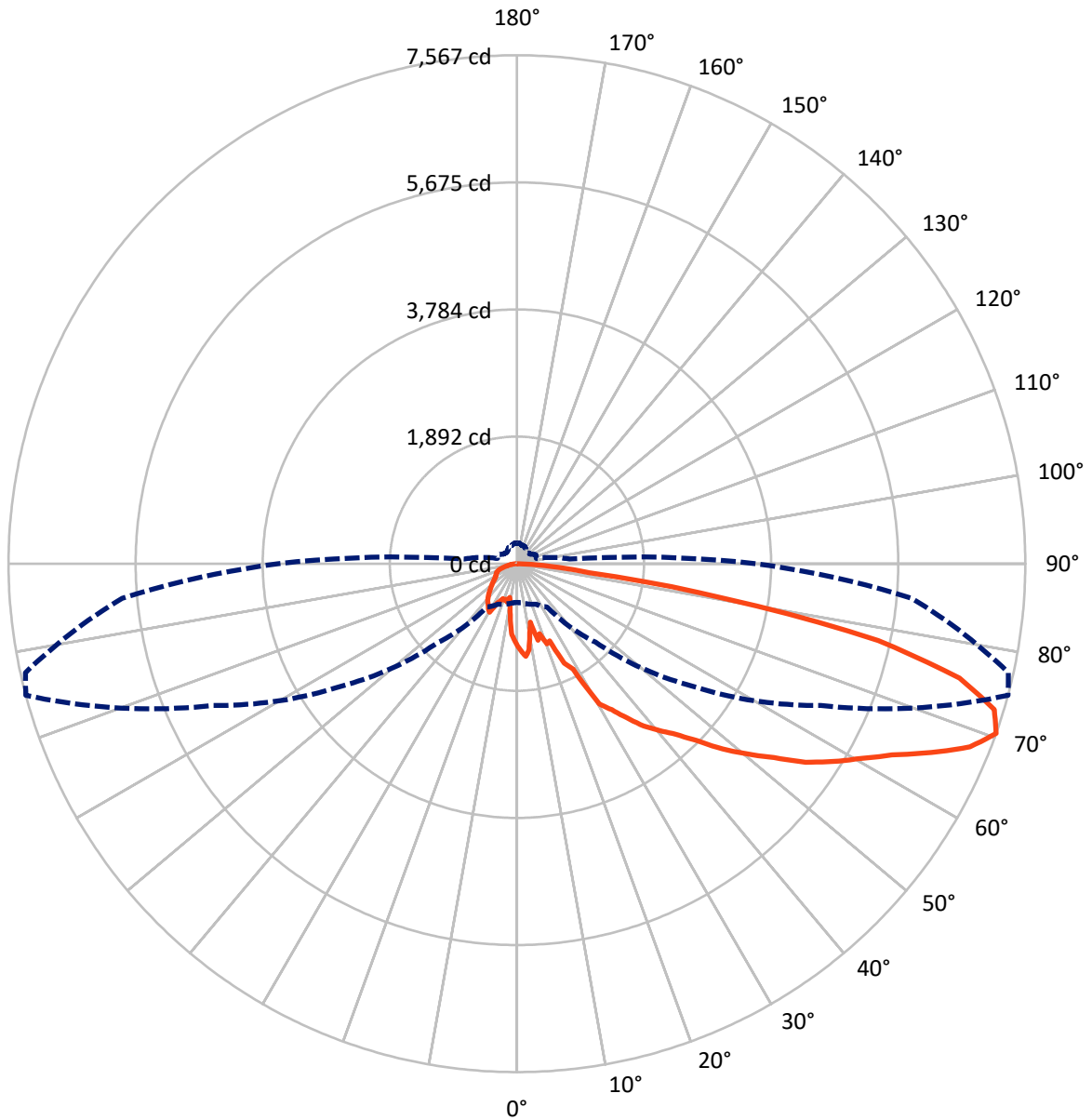


Based on 10 foot mounting height. Maximum calculated value = 19.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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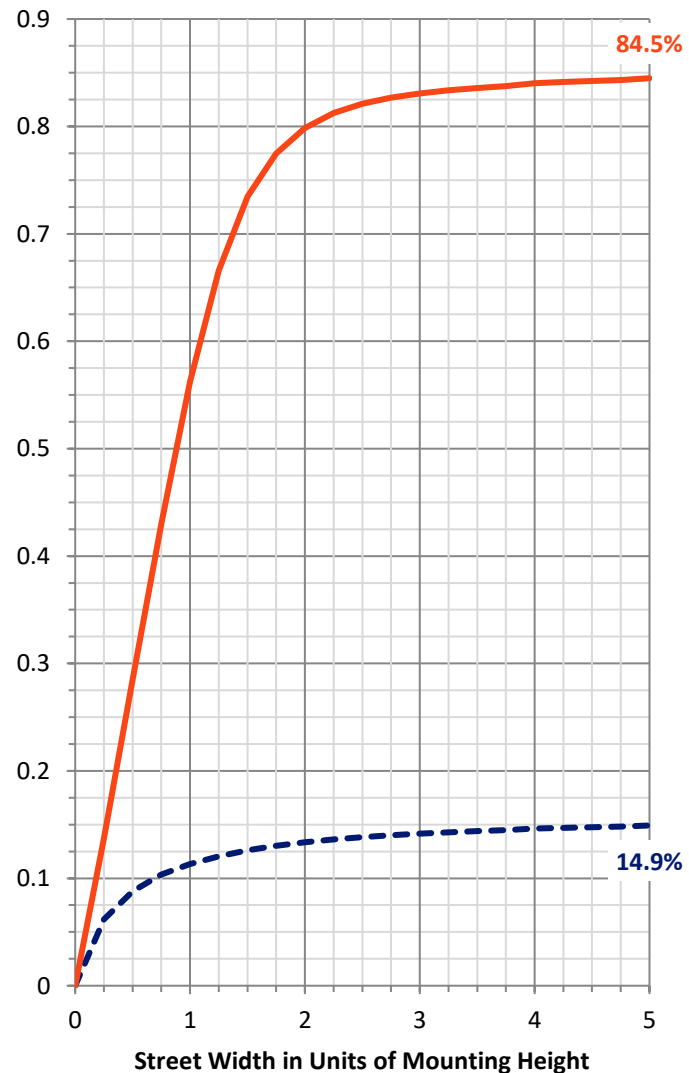
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1288.7	0.0	1288.7
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7183.0	0.0	7183.0
	% Fixture	84.8	0.0	84.8
Total	Lumens	8471.7	0.0	8471.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	1.2
10°-20°	269.1	3.2
20°-30°	492.0	5.8
30°-40°	998.8	11.8
40°-50°	1533.0	18.1
50°-60°	1848.1	21.8
60°-70°	1787.3	21.1
70°-80°	1239.7	14.6
80°-90°	202.4	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°	8471.7	100.0
0°-180°	8471.7	100.0



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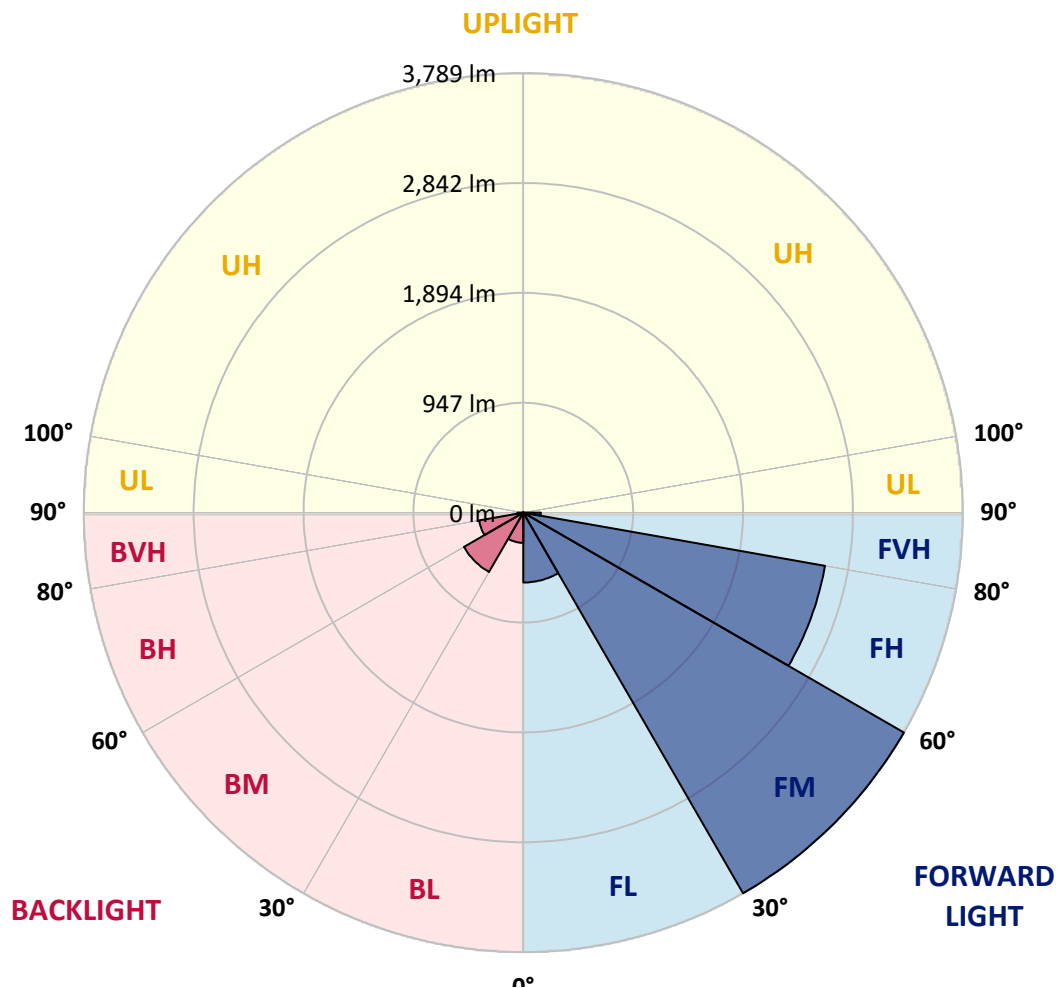
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	602.2	7.1			
FM	(30°-60°)	3788.7	44.7			
FH	(60°-80°)	2640.4	31.2			G2/5000
FVH	(80°-90°)	151.6	1.8			G2/225
BL	(0°-30°)	260.2	3.1	B1/500		
BM	(30°-60°)	591.1	7.0	B1/1000		
BH	(60°-80°)	386.6	4.6	B1/500		G1/500
BVH	(80°-90°)	50.8	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°	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3
2.5°	1271.0	1392.5	1333.4	1401.9	1436.2	1414.3	1395.7	1348.9	1308.4	1292.9	1252.4
5°	1401.9	1398.8	1383.2	1377.0	1348.9	1314.7	1286.6	1442.4	1386.3	1358.3	1286.6
7.5°	1243.0	1348.9	1426.8	1467.3	1467.3	1426.8	1383.2	1193.2	1289.7	1264.8	1162.0
10°	1560.8	1560.8	1557.7	1560.8	1280.4	1348.9	1158.9	1077.9	1043.6	1124.6	1043.6
12.5°	1327.1	1442.4	1573.2	1620.0	1492.2	1274.2	1186.9	1140.2	894.1	875.4	925.2
15°	1560.8	1570.1	1582.6	1392.5	1183.8	1352.0	1034.3	1024.9	1183.8	1155.8	1168.2
17.5°	1252.4	1264.8	1535.8	1501.6	1377.0	1024.9	1289.7	1152.7	1093.5	1056.1	1053.0
20°	1579.5	1585.7	1582.6	1186.9	1271.0	1395.7	1336.5	1015.6	1274.2	1289.7	1305.3
22.5°	1336.5	1339.6	1355.2	1510.9	1286.6	1454.8	1205.6	1514.0	1249.2	1286.6	972.0
25°	1797.5	1797.5	1741.5	1361.4	1557.7	1327.1	1467.3	1302.2	1638.6	1595.0	1461.1
27.5°	1676.0	1663.6	1598.2	1685.4	1405.0	1679.1	1451.7	1635.5	1778.8	1716.5	1772.6
30°	2355.2	2370.7	2286.6	1750.8	1710.3	1610.6	1672.9	1937.7	2420.6	2386.3	2130.9
32.5°	3152.7	3006.3	2623.1	2267.9	1869.2	1965.8	1869.2	2286.6	2591.9	2598.2	2255.5
35°	3539.0	3526.5	3361.4	2676.0	2149.6	2149.6	2096.6	2386.3	2813.1	2772.6	2389.4
37.5°	3847.4	3828.7	3713.4	3025.0	2401.9	2389.4	2218.1	2539.0	3065.5	2962.7	2535.9
40°	4109.1	4084.2	3984.5	3268.0	2676.0	2616.9	2367.6	2713.4	3261.7	3271.1	2676.0
42.5°	4283.5	4274.2	4202.5	3489.1	2903.5	2797.5	2567.0	2937.7	3470.4	3523.4	2850.5
45°	4420.6	4417.5	4355.2	3732.1	3065.5	2962.7	2778.9	3106.0	3757.1	3788.2	3037.4
47.5°	4436.2	4448.7	4448.7	3853.6	3177.6	3109.1	2996.9	3255.5	4121.5	4056.1	3255.5
50°	4274.2	4286.7	4364.5	4056.1	3274.2	3230.6	3183.8	3436.2	4454.9	4358.3	3486.0
52.5°	3859.9	3887.9	4099.7	3956.4	3324.0	3320.9	3358.3	3669.8	4794.5	4691.6	3791.3
55°	2968.9	2987.6	3514.1	3663.6	3308.5	3342.7	3489.1	3959.6	5215.0	5124.7	4112.2
57.5°	2267.9	2320.9	2651.1	3109.1	3137.1	3324.0	3573.3	4162.0	5554.6	5464.2	4408.2
60°	1825.6	1863.0	2056.1	2458.0	2769.5	3243.0	3688.5	4414.4	5884.8	5841.2	4725.9
62.5°	1429.9	1454.8	1588.8	1853.6	2249.2	3053.0	3760.2	4688.5	6264.9	6243.1	5140.3
65°	1024.9	1049.9	1168.2	1342.7	1738.3	2694.7	3725.9	4950.2	6775.8	6754.0	5542.1
67.5°	747.7	753.9	831.8	950.2	1233.7	2180.7	3557.7	5115.3	7274.2	7230.6	5850.5
70°	576.3	582.6	619.9	663.6	788.2	1651.1	3165.1	4990.7	7567.1	7492.3	5897.3
72.5°	467.3	467.3	482.9	504.7	538.9	1077.9	2486.0	4501.6	7430.0	7283.6	5507.9
75°	392.5	392.5	401.9	395.6	377.0	672.9	1729.0	3760.2	6803.8	6620.0	4794.5
77.5°	330.2	327.1	327.1	330.2	292.8	457.9	1056.1	2897.2	5498.5	5320.9	3554.6
80°	271.0	271.0	271.0	271.0	239.9	327.1	629.3	1922.1	3158.9	2757.0	1629.3
82.5°	199.4	202.5	211.8	211.8	199.4	239.9	327.1	803.7	1081.0	956.4	576.3
85°	93.5	96.6	124.6	130.8	127.7	118.4	171.3	361.4	504.7	457.9	134.0
87.5°	3.1	3.1	12.5	28.0	24.9	18.7	34.3	49.8	18.7	21.8	15.6
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°	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3	1224.3
2.5°	1224.3	1196.3	1130.9	1074.8	1015.6	975.1	884.7	819.3	785.1	778.8	788.2
5°	1230.5	1168.2	1037.4	872.3	747.7	716.5	704.1	700.9	697.8	697.8	697.8
7.5°	1084.1	1003.1	806.9	685.4	704.1	704.1	704.1	694.7	638.6	613.7	613.7
10°	956.4	850.5	601.3	554.5	557.6	585.7	660.4	738.3	753.9	757.0	760.1
12.5°	828.7	725.9	510.9	538.9	486.0	576.3	682.3	760.1	685.4	648.0	648.0
15°	1043.6	897.2	591.9	473.5	479.8	576.3	520.3	704.1	753.9	757.0	760.1
17.5°	940.8	791.3	551.4	498.4	526.5	439.3	595.0	666.7	613.7	607.5	601.3
20°	1143.3	940.8	576.3	495.3	492.2	532.7	504.7	504.7	685.4	685.4	685.4
22.5°	847.4	697.8	560.8	557.6	470.4	526.5	501.6	560.8	538.9	529.6	529.6
25°	1243.0	984.4	613.7	489.1	504.7	464.2	517.1	461.1	570.1	576.3	576.3
27.5°	1492.2	1155.8	666.7	542.1	464.2	498.4	426.8	464.2	439.3	442.4	442.4
30°	1778.8	1355.2	828.7	567.0	476.6	411.2	423.7	401.9	476.6	467.3	464.2
32.5°	1856.7	1367.6	797.5	601.3	464.2	414.3	383.2	414.3	442.4	482.9	482.9
35°	1947.1	1380.1	753.9	573.2	454.8	386.3	380.1	414.3	448.6	436.1	436.1
37.5°	2031.2	1389.4	719.6	538.9	417.5	377.0	377.0	383.2	417.5	398.8	398.8
40°	2127.8	1392.5	679.1	501.6	386.3	370.7	348.9	355.1	358.3	345.8	342.7
42.5°	2236.8	1389.4	632.4	467.3	358.3	345.8	330.2	330.2	339.6	336.5	333.3
45°	2355.2	1386.3	582.6	426.8	327.1	311.5	302.2	339.6	355.1	355.1	348.9
47.5°	2498.5	1386.3	535.8	380.1	305.3	280.4	274.1	314.6	345.8	352.0	358.3
50°	2663.6	1380.1	492.2	345.8	283.5	261.7	271.0	311.5	336.5	345.8	342.7
52.5°	2878.5	1367.6	454.8	317.8	267.9	239.9	255.5	302.2	333.3	336.5	333.3
55°	3065.5	1324.0	417.5	305.3	255.5	227.4	246.1	299.1	327.1	327.1	327.1
57.5°	3224.3	1261.7	386.3	296.0	252.3	224.3	243.0	296.0	314.6	324.0	324.0
60°	3417.5	1183.8	364.5	292.8	249.2	221.2	239.9	292.8	308.4	320.9	320.9
62.5°	3616.9	1118.4	352.0	292.8	239.9	224.3	239.9	292.8	305.3	320.9	317.8
65°	3778.9	1034.3	339.6	299.1	236.8	224.3	239.9	292.8	302.2	317.8	317.8
67.5°	3769.5	919.0	324.0	314.6	239.9	227.4	239.9	289.7	296.0	317.8	311.5
70°	3557.7	785.1	299.1	311.5	249.2	227.4	236.8	280.4	283.5	311.5	302.2
72.5°	3174.5	635.5	264.8	292.8	249.2	230.5	230.5	267.9	267.9	299.1	280.4
75°	2657.4	489.1	218.1	258.6	236.8	236.8	218.1	252.3	246.1	264.8	246.1
77.5°	1981.3	370.7	168.2	215.0	215.0	233.6	208.7	233.6	224.3	227.4	218.1
80°	825.6	224.3	127.7	168.2	183.8	227.4	199.4	211.8	190.0	190.0	183.8
82.5°	342.7	143.3	87.2	105.9	124.6	202.5	190.0	180.7	155.8	143.3	134.0
85°	124.6	77.9	59.2	71.7	81.0	140.2	137.1	115.3	90.3	99.7	81.0
87.5°	9.3	12.5	12.5	15.6	15.6	18.7	31.2	31.2	18.7	15.6	9.3
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: P561219

CATALOG NUMBER: SDL-PA1-90-727-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)