

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: P561213

Luminaire Tested: **SDL-PA1-90-727-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
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-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6715.2 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

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

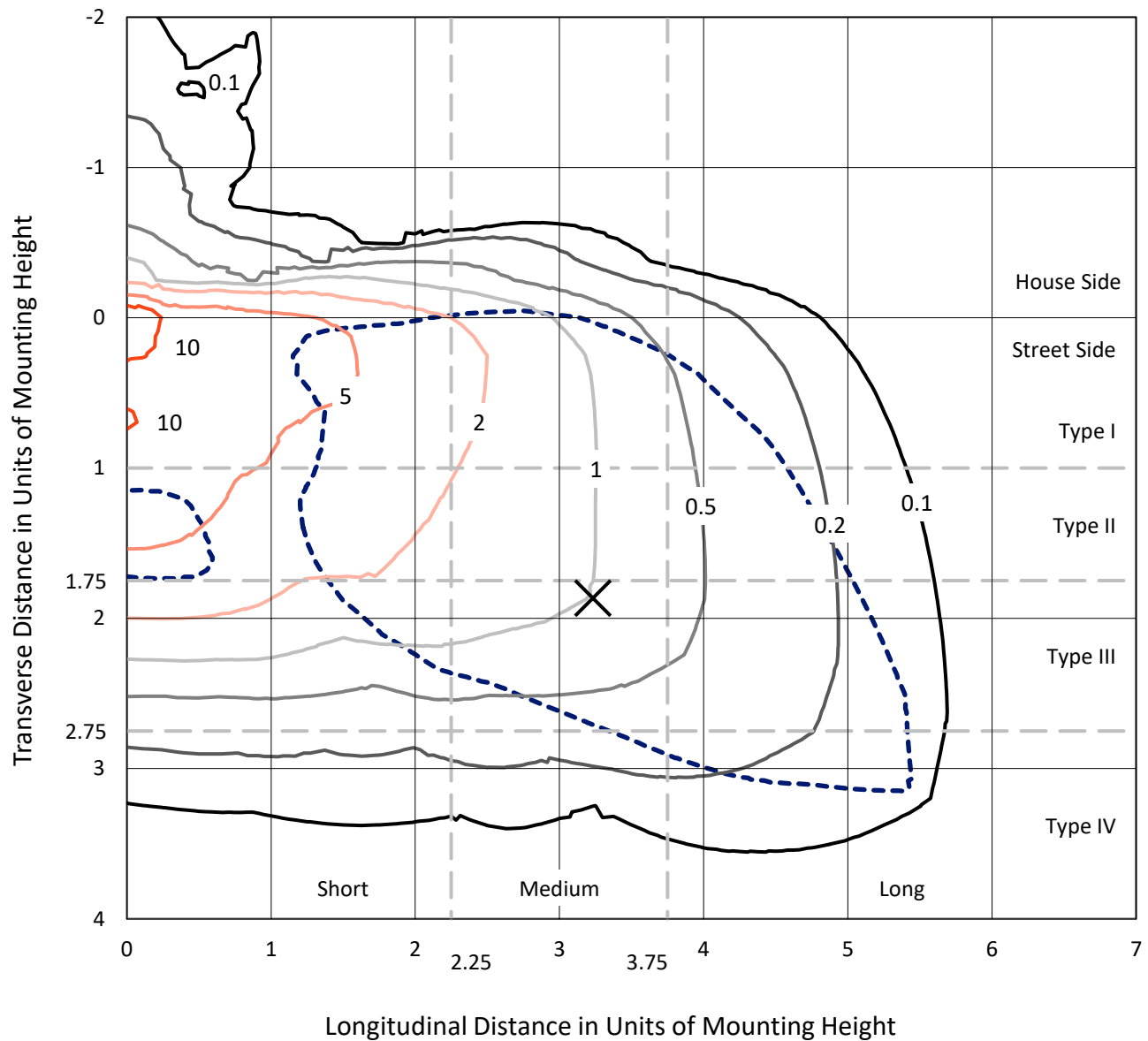


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Iso-Footcandle Lines of Horizontal Illumination

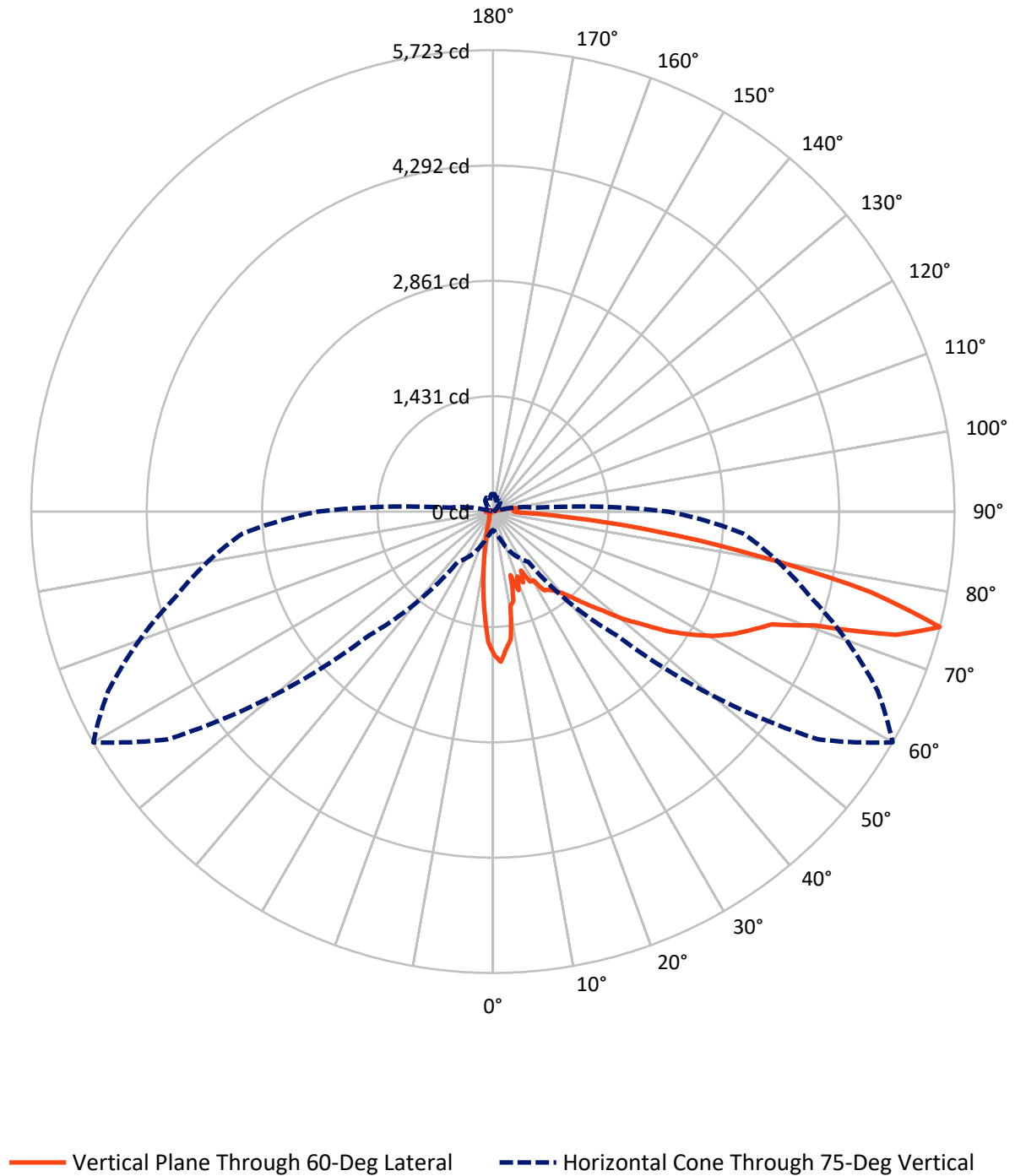
× Max cd
 --- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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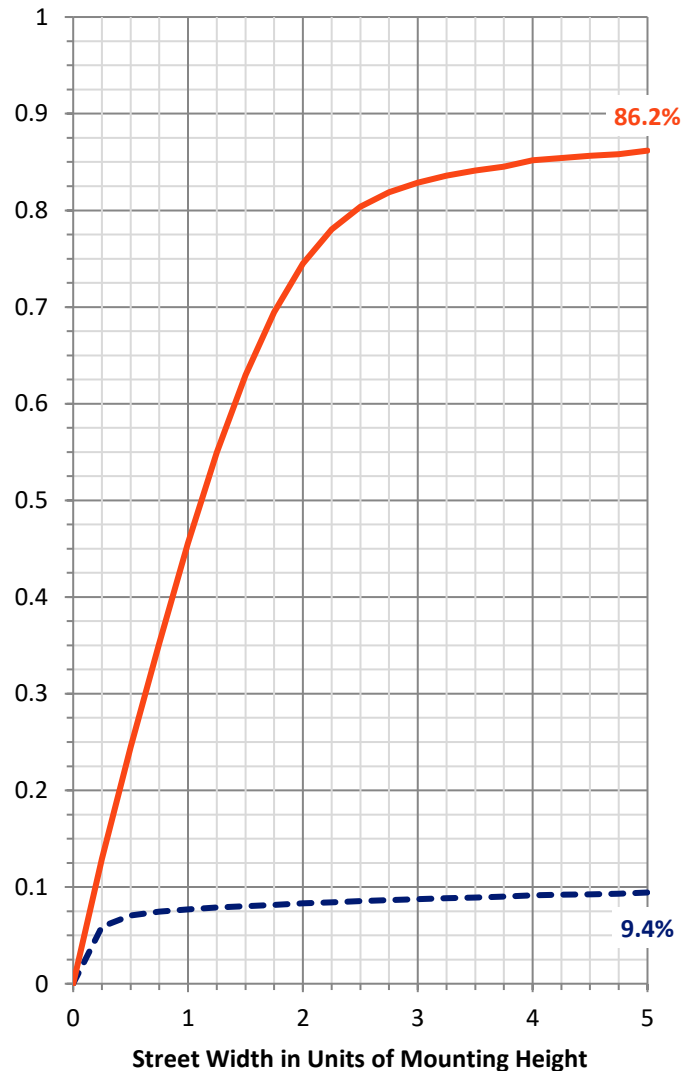
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	694.0	90.4	784.4
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	5836.3	94.6	5930.8
	% Fixture	86.9	1.4	88.3
Total	Lumens	6530.2	185.0	6715.2
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	1.8
10°-20°	202.1	3.0
20°-30°	285.6	4.3
30°-40°	513.4	7.6
40°-50°	865.1	12.9
50°-60°	1345.5	20.0
60°-70°	1587.7	23.6
70°-80°	1287.9	19.2
80°-90°	319.8	4.8
90°-100°	129.1	1.9
100°-110°	29.9	0.4
110°-120°	9.3	0.1
120°-130°	8.3	0.1
130°-140°	4.4	0.1
140°-150°	2.1	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6530.2	97.2
0°-180°	6715.2	100.0



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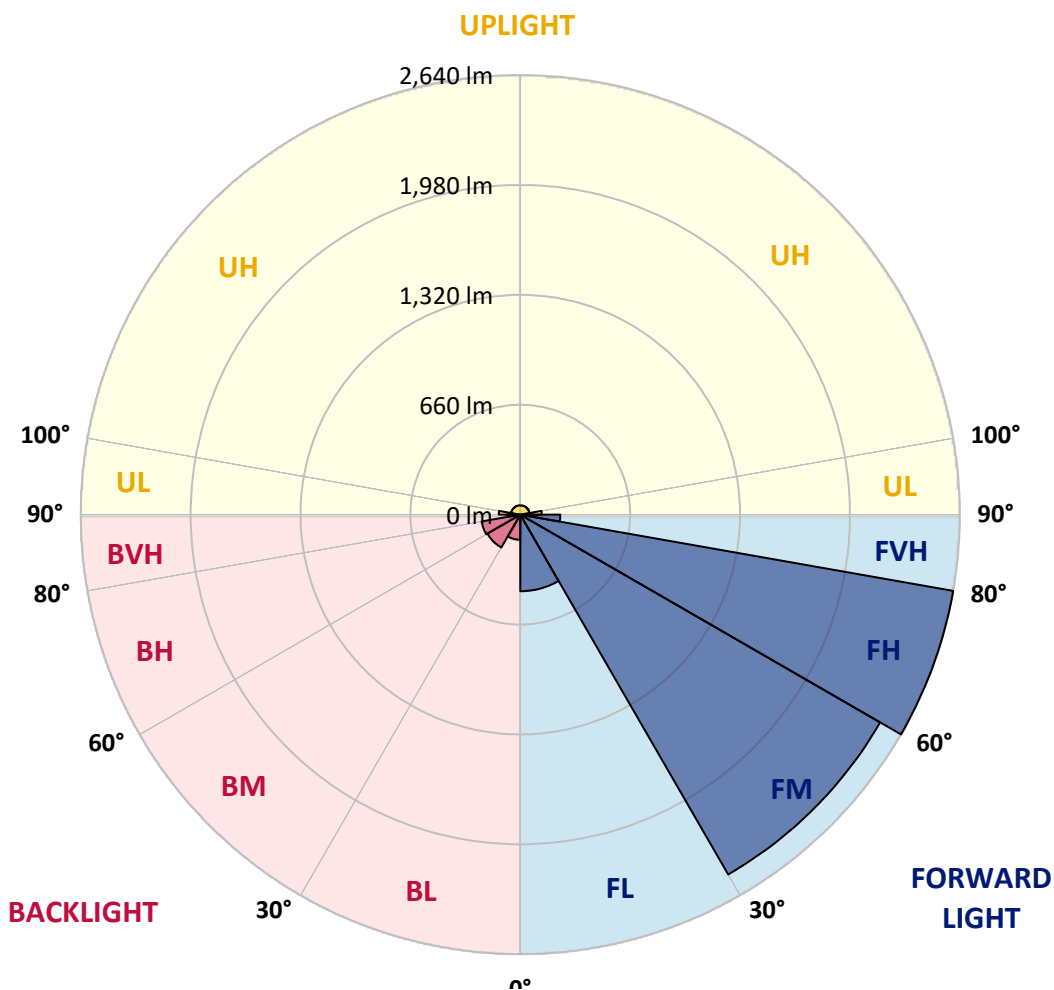
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	460.0	6.8			
FM	(30°-60°)	2495.8	37.2			
FH	(60°-80°)	2640.1	39.3			G2/5000
FVH	(80°-90°)	240.4	3.6			G3/500
BL	(0°-30°)	150.9	2.2	B1/500		
BM	(30°-60°)	228.1	3.4	B1/1000		
BH	(60°-80°)	235.6	3.5	B1/500		G1/500
BVH	(80°-90°)	79.3	1.2			G1/100
UL	(90°-100°)	129.1	1.9		U3/500	
UH	(100°-180°)	55.9	0.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1
2.5°	1669.6	1796.9	1759.6	1877.6	1893.1	1886.9	1880.7	1865.1	1849.6	1821.7	1778.2
5°	1601.4	1613.8	1604.5	1626.2	1629.3	1638.6	1623.1	1710.0	1855.8	1818.6	1750.3
7.5°	1315.8	1446.2	1461.7	1502.0	1539.3	1576.5	1598.2	1595.1	1408.9	1582.7	1505.1
10°	1343.8	1362.4	1359.3	1387.2	1356.2	1303.4	1188.6	1191.7	1191.7	1228.9	1269.3
12.5°	1064.5	1120.3	1256.9	1300.3	1207.2	1098.6	1107.9	1129.6	1145.2	971.4	1070.7
15°	1207.2	1210.3	1213.4	1213.4	909.3	1039.6	906.2	819.3	937.2	1148.3	1166.9
17.5°	946.5	937.2	1092.4	1080.0	1002.4	772.7	1005.5	1027.2	986.9	965.2	971.4
20°	1111.0	1111.0	1101.7	878.3	924.8	996.2	862.7	859.6	909.3	1129.6	1142.0
22.5°	900.0	890.7	940.3	977.6	878.3	949.6	850.3	955.8	1058.3	999.3	816.2
25°	1126.5	1126.5	1089.3	847.2	909.3	816.2	943.4	810.0	900.0	1222.7	1163.8
27.5°	1042.7	1014.8	927.9	962.1	816.2	949.6	869.0	983.8	1039.6	1266.2	1356.2
30°	1346.9	1337.6	1238.3	968.3	927.9	872.1	934.1	990.0	1197.9	1641.7	1567.2
32.5°	1796.9	1747.2	1408.9	1197.9	974.5	1033.4	996.2	1163.8	1315.8	1678.9	1588.9
35°	1917.9	1880.7	1719.3	1455.5	1092.4	1092.4	1070.7	1188.6	1350.0	1759.6	1635.5
37.5°	1958.2	1955.1	1899.3	1592.0	1253.8	1256.9	1132.7	1247.6	1418.3	1868.2	1703.8
40°	1983.1	1989.3	2045.1	1734.8	1424.5	1418.3	1247.6	1331.4	1523.8	1986.2	1827.9
42.5°	2088.6	2122.7	2191.0	1893.1	1585.8	1588.9	1387.2	1464.8	1663.4	2181.7	1998.6
45°	2324.4	2333.8	2374.1	2110.3	1737.9	1759.6	1564.1	1644.8	1834.1	2395.8	2191.0
47.5°	2681.3	2681.3	2613.1	2281.0	1917.9	1948.9	1750.3	1834.1	2035.8	2709.3	2414.4
50°	2997.9	2973.1	2824.1	2482.7	2063.8	2132.0	1995.5	2091.7	2206.5	2948.2	2693.7
52.5°	3196.5	3187.2	3004.1	2619.3	2218.9	2333.8	2197.2	2321.3	2405.1	3196.5	2945.1
55°	3168.6	3168.6	3050.6	2690.6	2361.7	2516.9	2457.9	2613.1	2644.1	3432.4	3128.2
57.5°	3063.1	3078.6	3022.7	2718.6	2389.6	2690.6	2724.8	2870.6	2923.4	3568.9	3243.0
60°	2848.9	2879.9	2938.9	2755.8	2498.2	2886.2	2997.9	3128.2	3227.5	3671.3	3339.3
62.5°	2448.6	2488.9	2696.8	2752.7	2582.0	3087.9	3230.6	3345.5	3438.6	3727.2	3407.5
65°	1855.8	1930.3	2231.3	2554.1	2575.8	3323.7	3419.9	3531.7	3621.7	3783.0	3584.4
67.5°	1185.5	1188.6	1514.5	2110.3	2402.0	3655.8	3674.4	3730.3	3789.2	3938.2	3835.8
70°	611.4	642.4	797.6	1346.9	1967.6	3724.1	4310.6	4229.9	4139.9	4276.5	4161.7
72.5°	406.5	440.7	524.5	726.2	1235.2	3357.9	5002.7	5226.1	4828.9	4527.9	3876.1
75°	229.7	248.3	350.7	574.1	763.4	2169.3	4925.1	5722.7	5263.4	4068.6	3115.8
77.5°	102.4	108.6	158.3	450.0	654.8	1058.3	3876.1	4782.3	4599.2	3392.0	2246.9
80°	55.9	55.9	74.5	207.9	555.5	797.6	2572.7	3329.9	3128.2	2045.1	1021.0
82.5°	31.0	34.1	43.4	99.3	338.3	729.3	1626.2	2088.6	1651.0	561.7	412.8
85°	12.4	12.4	18.6	52.8	124.1	617.6	890.7	993.1	667.2	285.5	319.6
87.5°	6.2	6.2	6.2	18.6	40.3	158.3	291.7	313.4	245.2	226.5	276.2
90°	9.3	9.3	6.2	6.2	27.9	167.6	245.2	257.6	201.7	226.5	279.3
92.5°	12.4	9.3	6.2	6.2	21.7	167.6	279.3	276.2	201.7	226.5	288.6
95°	15.5	12.4	6.2	6.2	21.7	149.0	335.2	301.0	217.2	229.7	304.1
97.5°	15.5	15.5	6.2	6.2	21.7	114.8	353.8	304.1	189.3	149.0	207.9
100°	18.6	18.6	6.2	6.2	24.8	68.3	245.2	226.5	133.4	49.7	59.0
102.5°	21.7	21.7	6.2	6.2	15.5	34.1	117.9	114.8	74.5	12.4	21.7
105°	21.7	24.8	6.2	6.2	6.2	15.5	43.4	52.8	37.2	12.4	21.7
107.5°	24.8	27.9	6.2	6.2	6.2	9.3	18.6	18.6	12.4	12.4	21.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	18.6	18.6	3.1	6.2	6.2	6.2	3.1	6.2	6.2	9.3	18.6
115°	9.3	6.2	3.1	6.2	3.1	6.2	3.1	6.2	9.3	9.3	21.7
117.5°	3.1	3.1	3.1	3.1	3.1	6.2	3.1	6.2	6.2	15.5	27.9
120°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	21.7	34.1
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	21.7	40.3
125°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	15.5	37.2
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	15.5	31.0
130°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	12.4	27.9
132.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	12.4	21.7
135°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	15.5
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2
140°	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
150°	12.4	12.4	12.4	9.3	6.2	3.1	9.3	6.2	3.1	3.1	3.1
152.5°	9.3	9.3	15.5	6.2	3.1	3.1	3.1	9.3	9.3	3.1	3.1
155°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1	9.3	12.4
157.5°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	6.2	3.1
160°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1	1775.1
2.5°	1762.7	1744.1	1694.5	1647.9	1592.0	1557.9	1440.0	1306.5	1278.6	1272.4	1250.7
5°	1719.3	1678.9	1582.7	1377.9	1173.1	1080.0	1036.5	1002.4	955.8	946.5	934.1
7.5°	1458.6	1390.3	1241.4	990.0	958.9	872.1	800.7	741.7	614.5	580.3	561.7
10°	1213.4	1154.5	847.2	720.0	654.8	589.6	512.1	453.1	400.3	375.5	366.2
12.5°	980.7	921.7	633.1	571.0	406.5	335.2	291.7	242.1	201.7	180.0	180.0
15°	1086.2	990.0	654.8	406.5	266.9	198.6	145.9	130.3	152.1	155.2	155.2
17.5°	887.6	791.4	515.2	316.5	195.5	108.6	117.9	133.4	145.9	127.2	130.3
20°	1021.0	887.6	518.3	239.0	124.1	105.5	108.6	99.3	133.4	136.5	136.5
22.5°	772.7	698.3	391.0	189.3	96.2	99.3	93.1	111.7	124.1	108.6	105.5
25°	999.3	822.4	397.2	121.0	96.2	80.7	96.2	86.9	114.8	117.9	117.9
27.5°	1145.2	921.7	347.6	105.5	80.7	86.9	77.6	90.0	86.9	86.9	86.9
30°	1300.3	1005.5	338.3	102.4	77.6	71.4	74.5	71.4	83.8	86.9	86.9
32.5°	1300.3	962.1	257.6	102.4	74.5	68.3	59.0	65.2	68.3	74.5	77.6
35°	1309.6	924.8	189.3	93.1	68.3	59.0	52.8	52.8	59.0	62.1	62.1
37.5°	1337.6	900.0	145.9	86.9	62.1	52.8	43.4	46.6	80.7	90.0	90.0
40°	1415.1	900.0	124.1	80.7	55.9	46.6	37.2	59.0	68.3	80.7	80.7
42.5°	1536.2	912.4	117.9	77.6	49.7	40.3	31.0	46.6	83.8	96.2	99.3
45°	1663.4	937.2	111.7	74.5	46.6	34.1	37.2	55.9	65.2	86.9	86.9
47.5°	1840.3	990.0	108.6	71.4	43.4	27.9	34.1	55.9	71.4	93.1	93.1
50°	2032.7	1045.8	102.4	68.3	37.2	24.8	52.8	46.6	59.0	96.2	96.2
52.5°	2231.3	1111.0	99.3	65.2	34.1	34.1	59.0	55.9	71.4	93.1	96.2
55°	2405.1	1163.8	93.1	65.2	31.0	31.0	62.1	55.9	65.2	86.9	90.0
57.5°	2488.9	1173.1	90.0	62.1	27.9	31.0	59.0	68.3	59.0	71.4	77.6
60°	2594.4	1197.9	80.7	55.9	24.8	40.3	68.3	90.0	80.7	93.1	99.3
62.5°	2693.7	1216.5	71.4	49.7	21.7	43.4	90.0	108.6	86.9	108.6	121.0
65°	2876.8	1256.9	59.0	40.3	18.6	49.7	102.4	130.3	96.2	127.2	127.2
67.5°	3131.3	1322.0	46.6	34.1	18.6	55.9	105.5	149.0	114.8	139.7	136.5
70°	3230.6	1216.5	40.3	31.0	18.6	65.2	114.8	161.4	121.0	155.2	155.2
72.5°	2817.9	878.3	34.1	31.0	31.0	74.5	142.8	176.9	133.4	195.5	192.4
75°	2175.5	552.4	34.1	31.0	37.2	93.1	161.4	189.3	142.8	217.2	214.1
77.5°	1449.3	260.7	34.1	34.1	43.4	102.4	173.8	201.7	158.3	242.1	239.0
80°	567.9	142.8	37.2	37.2	52.8	108.6	186.2	207.9	164.5	260.7	257.6
82.5°	273.1	99.3	37.2	37.2	71.4	121.0	198.6	217.2	170.7	263.8	260.7
85°	232.8	93.1	34.1	40.3	86.9	152.1	211.0	214.1	173.8	251.4	251.4
87.5°	207.9	90.0	34.1	40.3	117.9	176.9	220.3	211.0	186.2	245.2	245.2
90°	214.1	96.2	37.2	46.6	133.4	180.0	223.4	211.0	180.0	226.5	226.5
92.5°	229.7	102.4	40.3	49.7	133.4	167.6	207.9	189.3	167.6	192.4	189.3
95°	242.1	108.6	43.4	55.9	117.9	130.3	173.8	152.1	139.7	149.0	149.0
97.5°	186.2	83.8	49.7	62.1	90.0	77.6	108.6	99.3	74.5	62.1	62.1
100°	49.7	27.9	52.8	62.1	62.1	52.8	80.7	74.5	49.7	21.7	21.7
102.5°	18.6	18.6	49.7	59.0	49.7	40.3	59.0	55.9	40.3	6.2	6.2
105°	18.6	15.5	31.0	46.6	31.0	21.7	31.0	37.2	24.8	6.2	6.2
107.5°	18.6	15.5	18.6	27.9	12.4	9.3	12.4	12.4	12.4	3.1	6.2



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CATALOG NUMBER: SDL-PA1-90-727-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.6	15.5	9.3	12.4	9.3	9.3	6.2	6.2	9.3	18.6	18.6
115°	18.6	15.5	9.3	9.3	6.2	9.3	6.2	3.1	9.3	21.7	24.8
117.5°	24.8	15.5	6.2	6.2	6.2	6.2	6.2	3.1	9.3	27.9	31.0
120°	31.0	18.6	6.2	6.2	6.2	3.1	6.2	3.1	12.4	27.9	31.0
122.5°	34.1	21.7	6.2	6.2	6.2	3.1	3.1	6.2	12.4	27.9	27.9
125°	34.1	21.7	6.2	6.2	3.1	3.1	3.1	3.1	12.4	27.9	31.0
127.5°	27.9	18.6	6.2	6.2	3.1	3.1	3.1	3.1	12.4	24.8	27.9
130°	24.8	18.6	6.2	6.2	3.1	3.1	3.1	3.1	12.4	21.7	24.8
132.5°	18.6	15.5	6.2	3.1	3.1	3.1	3.1	3.1	12.4	18.6	21.7
135°	15.5	9.3	6.2	3.1	3.1	3.1	3.1	3.1	9.3	18.6	18.6
137.5°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3
140°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2
142.5°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
145°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
147.5°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
150°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2
152.5°	3.1	6.2	3.1	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1
155°	12.4	9.3	6.2	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
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°	24.8	24.8	6.2	6.2	6.2	6.2	6.2	6.2	6.2	12.4	21.7
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110°	18.6	15.5	9.3	12.4	9.3	9.3	9.3	6.2	6.2	12.4	12.4
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(END OF REPORT)