

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: P561235

Luminaire Tested: **SDL-PA1-90-730-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561235
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-PA1-90-730-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 7312.8 lumens
Efficiency: N/A
Efficacy: 79.1 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

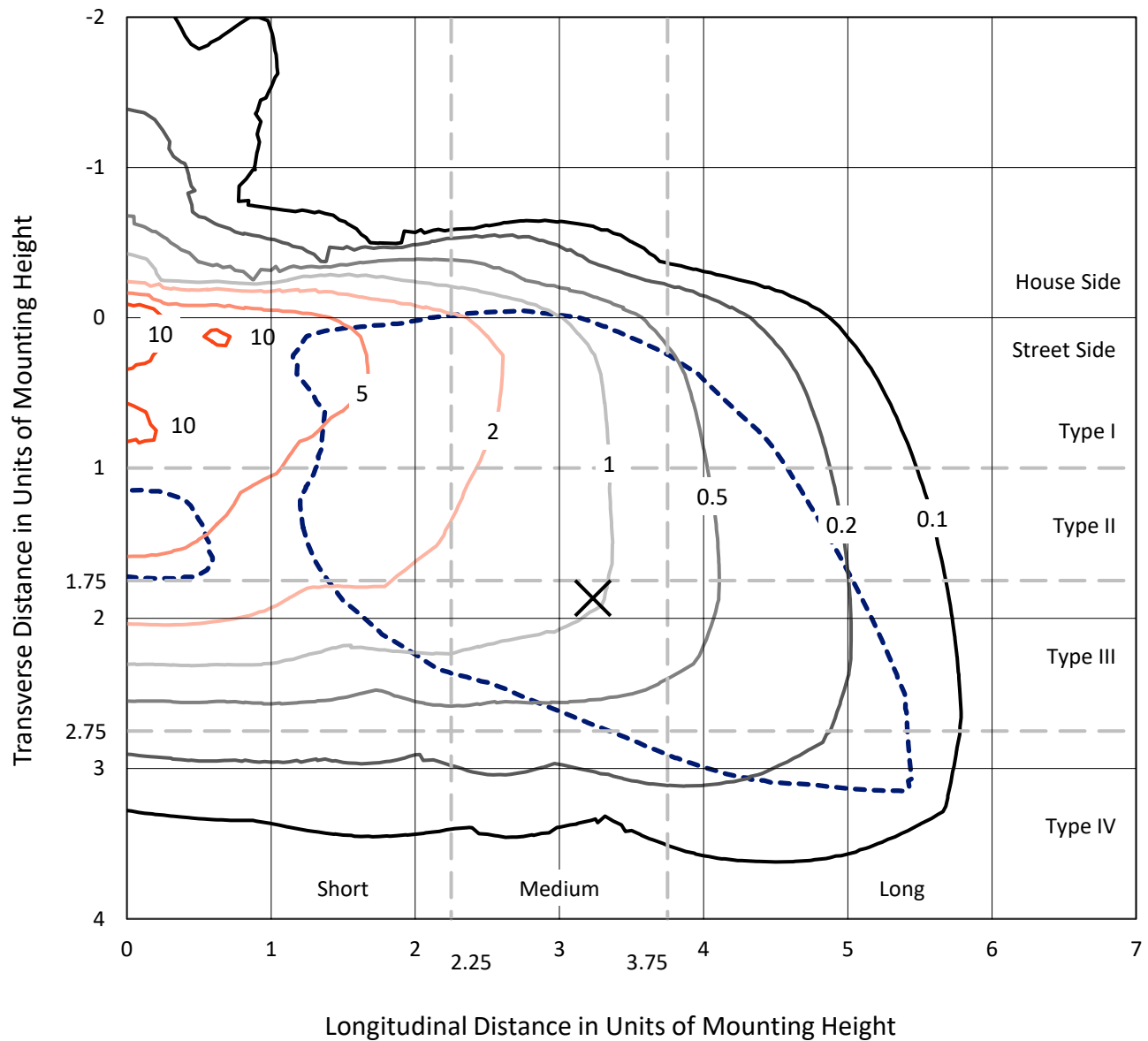


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Iso-Footcandle Lines of Horizontal Illumination

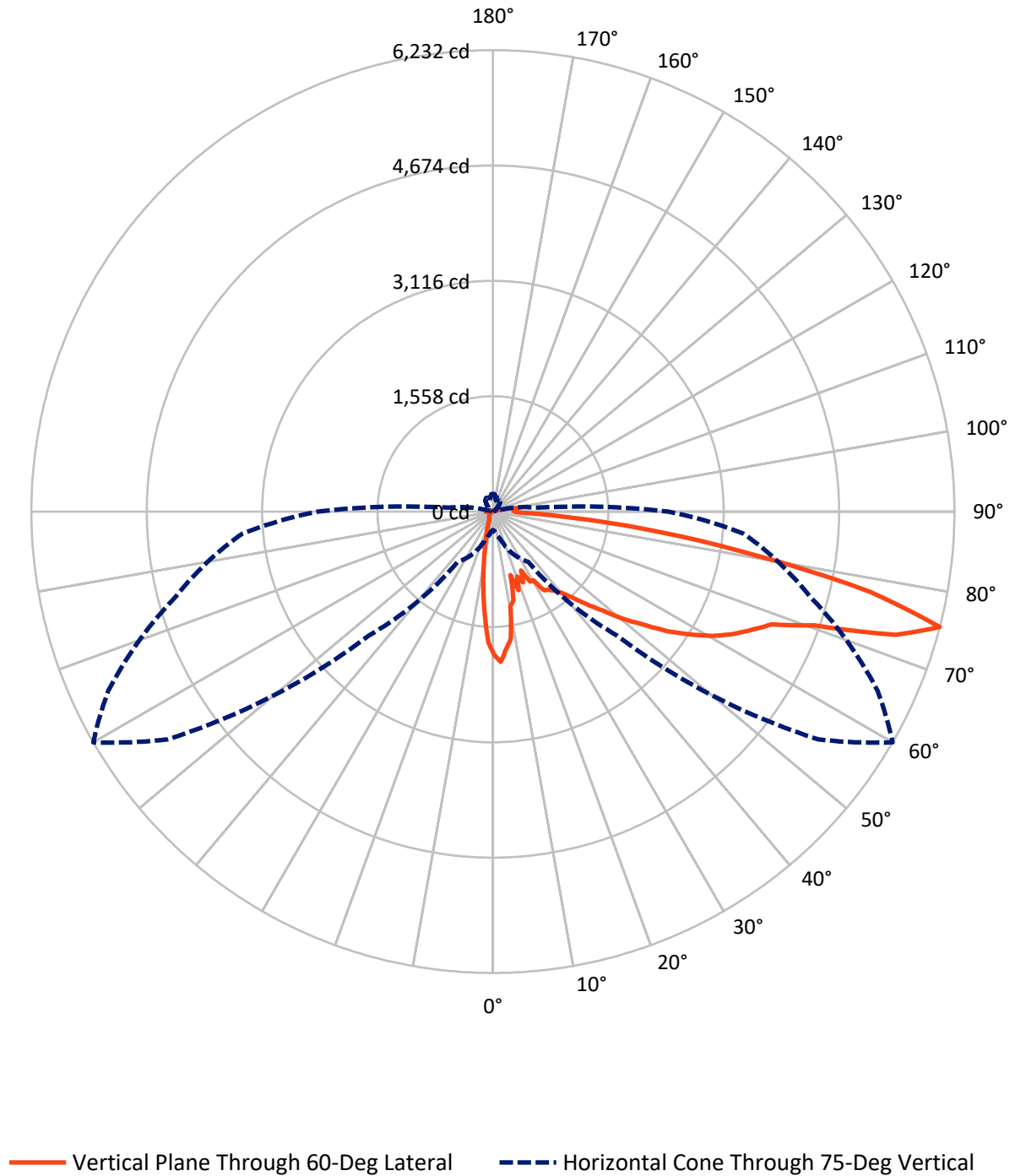
× Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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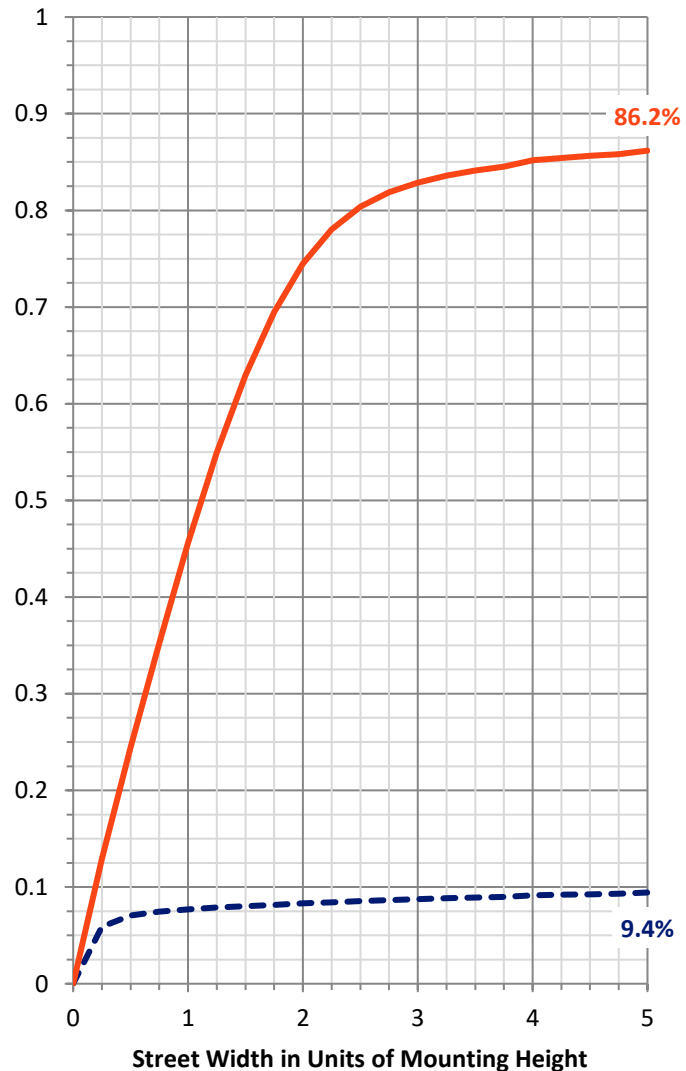
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	755.7	98.5	854.3
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	6355.5	103.1	6458.6
	% Fixture	86.9	1.4	88.3
Total	Lumens	7111.2	201.6	7312.8
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	1.8
10°-20°	220.0	3.0
20°-30°	311.1	4.3
30°-40°	559.1	7.6
40°-50°	942.0	12.9
50°-60°	1465.2	20.0
60°-70°	1729.0	23.6
70°-80°	1402.5	19.2
80°-90°	348.2	4.8
90°-100°	140.6	1.9
100°-110°	32.5	0.4
110°-120°	10.2	0.1
120°-130°	9.1	0.1
130°-140°	4.8	0.1
140°-150°	2.3	0.0
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7111.2	97.2
0°-180°	7312.8	100.0



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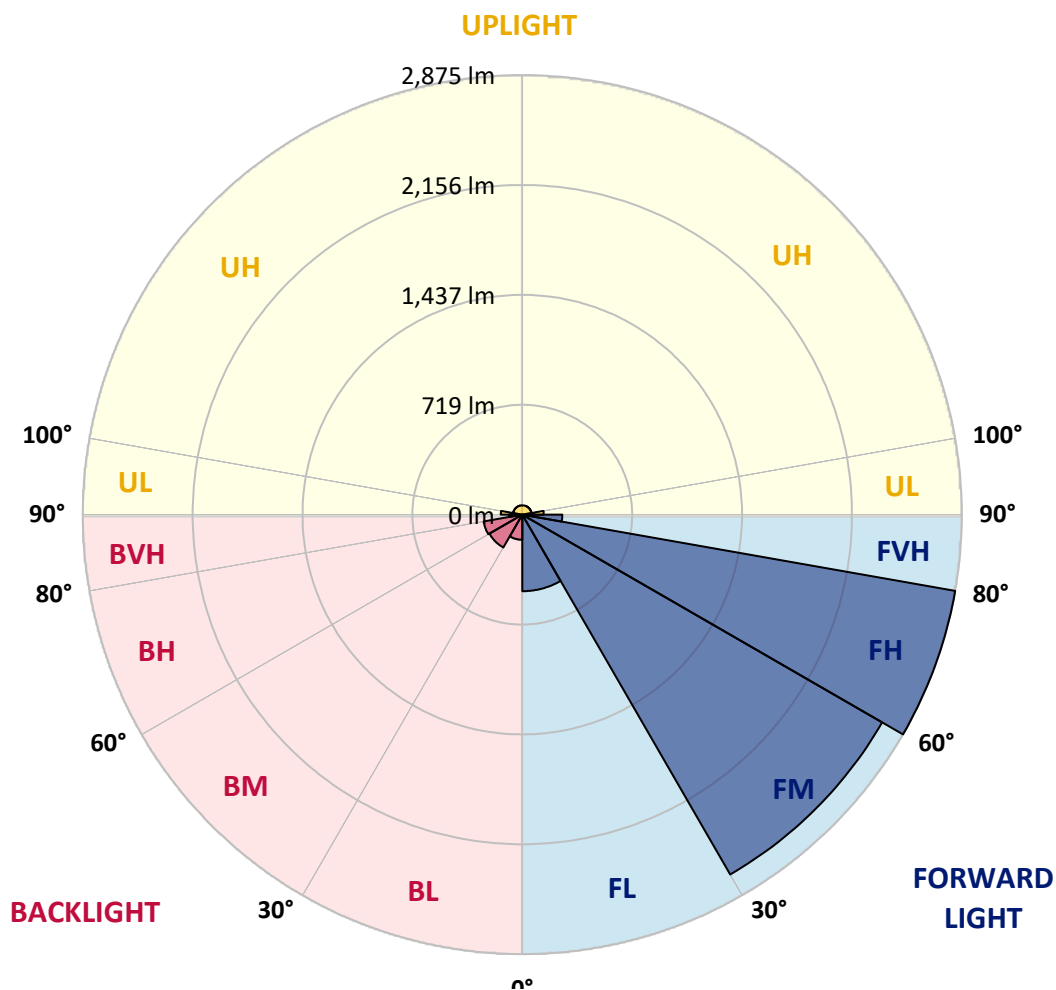
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	500.9	6.8			
FM	(30°-60°)	2717.8	37.2			
FH	(60°-80°)	2874.9	39.3			G2/5000
FVH	(80°-90°)	261.8	3.6			G3/500
BL	(0°-30°)	164.3	2.2	B1/500		
BM	(30°-60°)	248.4	3.4	B1/1000		
BH	(60°-80°)	256.6	3.5	B1/500		G1/500
BVH	(80°-90°)	86.4	1.2			G1/100
UL	(90°-100°)	140.6	1.9		U3/500	
UH	(100°-180°)	61.0	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°	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1
2.5°	1818.2	1956.7	1916.2	2044.6	2061.5	2054.7	2048.0	2031.1	2014.2	1983.8	1936.5
5°	1743.8	1757.3	1747.2	1770.9	1774.2	1784.4	1767.5	1862.1	2020.9	1980.4	1906.0
7.5°	1432.9	1574.8	1591.7	1635.7	1676.2	1716.8	1740.4	1737.1	1534.3	1723.5	1639.1
10°	1463.3	1483.6	1480.2	1510.6	1476.8	1419.4	1294.3	1297.7	1297.7	1338.3	1382.2
12.5°	1159.2	1220.0	1368.7	1416.0	1314.6	1196.3	1206.5	1230.1	1247.0	1057.8	1165.9
15°	1314.6	1318.0	1321.4	1321.4	990.2	1132.1	986.8	892.2	1020.6	1250.4	1270.7
17.5°	1030.7	1020.6	1189.6	1176.1	1091.6	841.5	1095.0	1118.6	1074.7	1051.0	1057.8
20°	1209.9	1209.9	1199.7	956.4	1007.1	1084.8	939.5	936.1	990.2	1230.1	1243.7
22.5°	980.1	969.9	1024.0	1064.5	956.4	1034.1	926.0	1040.9	1152.4	1088.2	888.8
25°	1226.8	1226.8	1186.2	922.6	990.2	888.8	1027.4	882.0	980.1	1331.5	1267.3
27.5°	1135.5	1105.1	1010.5	1047.6	888.8	1034.1	946.3	1071.3	1132.1	1378.8	1476.8
30°	1466.7	1456.6	1348.4	1054.4	1010.5	949.6	1017.2	1078.1	1304.5	1787.8	1706.6
32.5°	1956.7	1902.7	1534.3	1304.5	1061.2	1125.4	1084.8	1267.3	1432.9	1828.3	1730.3
35°	2088.5	2048.0	1872.2	1585.0	1189.6	1189.6	1165.9	1294.3	1470.1	1916.2	1781.0
37.5°	2132.5	2129.1	2068.3	1733.7	1365.3	1368.7	1233.5	1358.6	1544.4	2034.5	1855.3
40°	2159.5	2166.3	2227.1	1889.1	1551.2	1544.4	1358.6	1449.8	1659.3	2162.9	1990.5
42.5°	2274.4	2311.6	2385.9	2061.5	1726.9	1730.3	1510.6	1595.1	1811.4	2375.8	2176.4
45°	2531.2	2541.4	2585.3	2298.1	1892.5	1916.2	1703.3	1791.1	1997.3	2609.0	2385.9
47.5°	2919.9	2919.9	2845.5	2483.9	2088.5	2122.3	1906.0	1997.3	2217.0	2950.3	2629.2
50°	3264.6	3237.6	3075.3	2703.6	2247.4	2321.7	2173.0	2277.8	2402.8	3210.5	2933.4
52.5°	3480.9	3470.7	3271.4	2852.3	2416.3	2541.4	2392.7	2527.9	2619.1	3480.9	3207.1
55°	3450.5	3450.5	3322.0	2930.0	2571.8	2740.8	2676.6	2845.5	2879.3	3737.7	3406.5
57.5°	3335.6	3352.5	3291.6	2960.4	2602.2	2930.0	2967.2	3126.0	3183.5	3886.4	3531.6
60°	3102.4	3136.2	3200.4	3001.0	2720.5	3142.9	3264.6	3406.5	3514.7	3997.9	3636.3
62.5°	2666.4	2710.4	2936.8	2997.6	2811.7	3362.6	3518.1	3643.1	3744.5	4058.8	3710.7
65°	2020.9	2102.0	2429.9	2781.3	2805.0	3619.4	3724.2	3845.9	3943.9	4119.6	3903.3
67.5°	1291.0	1294.3	1649.2	2298.1	2615.7	3981.0	4001.3	4062.2	4126.4	4288.6	4177.1
70°	665.8	699.6	868.5	1466.7	2142.6	4055.4	4694.1	4606.3	4508.2	4656.9	4531.9
72.5°	442.7	479.9	571.1	790.8	1345.0	3656.6	5447.7	5691.1	5258.5	4930.7	4221.0
75°	250.1	270.4	381.9	625.2	831.4	2362.3	5363.3	6231.8	5731.6	4430.5	3393.0
77.5°	111.5	118.3	172.4	490.0	713.1	1152.4	4221.0	5207.8	5008.4	3693.8	2446.8
80°	60.8	60.8	81.1	226.4	604.9	868.5	2801.6	3626.2	3406.5	2227.1	1111.9
82.5°	33.8	37.2	47.3	108.1	368.4	794.2	1770.9	2274.4	1797.9	611.7	449.5
85°	13.5	13.5	20.3	57.5	135.2	672.5	969.9	1081.4	726.6	310.9	348.1
87.5°	6.8	6.8	6.8	20.3	43.9	172.4	317.7	341.3	267.0	246.7	300.8
90°	10.1	10.1	6.8	6.8	30.4	182.5	267.0	280.5	219.7	246.7	304.2
92.5°	13.5	10.1	6.8	6.8	23.7	182.5	304.2	300.8	219.7	246.7	314.3
95°	16.9	13.5	6.8	6.8	23.7	162.2	365.0	327.8	236.6	250.1	331.2
97.5°	16.9	16.9	6.8	6.8	23.7	125.0	385.3	331.2	206.1	162.2	226.4
100°	20.3	20.3	6.8	6.8	27.0	74.3	267.0	246.7	145.3	54.1	64.2
102.5°	23.7	23.7	6.8	6.8	16.9	37.2	128.4	125.0	81.1	13.5	23.7
105°	23.7	27.0	6.8	6.8	6.8	16.9	47.3	57.5	40.6	13.5	23.7
107.5°	27.0	30.4	6.8	6.8	6.8	10.1	20.3	20.3	13.5	13.5	23.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	20.3	20.3	3.4	6.8	6.8	6.8	3.4	6.8	6.8	10.1	20.3
115°	10.1	6.8	3.4	6.8	3.4	6.8	3.4	6.8	10.1	10.1	23.7
117.5°	3.4	3.4	3.4	3.4	3.4	6.8	3.4	6.8	6.8	16.9	30.4
120°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	23.7	37.2
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	23.7	43.9
125°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	16.9	40.6
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	16.9	33.8
130°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	13.5	30.4
132.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	13.5	23.7
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	16.9
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8
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	0.0	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	3.4	3.4	3.4	3.4	3.4	3.4
150°	13.5	13.5	13.5	10.1	6.8	3.4	10.1	6.8	3.4	3.4	3.4
152.5°	10.1	10.1	16.9	6.8	3.4	3.4	3.4	10.1	10.1	3.4	3.4
155°	10.1	10.1	6.8	3.4	3.4	3.4	3.4	3.4	3.4	10.1	13.5
157.5°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	6.8	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°	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1	1933.1
2.5°	1919.6	1899.3	1845.2	1794.5	1733.7	1696.5	1568.1	1422.8	1392.4	1385.6	1361.9
5°	1872.2	1828.3	1723.5	1500.5	1277.4	1176.1	1128.8	1091.6	1040.9	1030.7	1017.2
7.5°	1588.4	1514.0	1351.8	1078.1	1044.3	949.6	871.9	807.7	669.1	632.0	611.7
10°	1321.4	1257.2	922.6	784.0	713.1	642.1	557.6	493.4	436.0	408.9	398.8
12.5°	1067.9	1003.7	689.4	621.8	442.7	365.0	317.7	263.6	219.7	196.0	196.0
15°	1182.8	1078.1	713.1	442.7	290.6	216.3	158.8	141.9	165.6	169.0	169.0
17.5°	966.5	861.8	561.0	344.7	212.9	118.3	128.4	145.3	158.8	138.6	141.9
20°	1111.9	966.5	564.4	260.2	135.2	114.9	118.3	108.1	145.3	148.7	148.7
22.5°	841.5	760.4	425.8	206.1	104.8	108.1	101.4	121.7	135.2	118.3	114.9
25°	1088.2	895.6	432.6	131.8	104.8	87.9	104.8	94.6	125.0	128.4	128.4
27.5°	1247.0	1003.7	378.5	114.9	87.9	94.6	84.5	98.0	94.6	94.6	94.6
30°	1416.0	1095.0	368.4	111.5	84.5	77.7	81.1	77.7	91.2	94.6	94.6
32.5°	1416.0	1047.6	280.5	111.5	81.1	74.3	64.2	71.0	74.3	81.1	84.5
35°	1426.1	1007.1	206.1	101.4	74.3	64.2	57.5	57.5	64.2	67.6	67.6
37.5°	1456.6	980.1	158.8	94.6	67.6	57.5	47.3	50.7	87.9	98.0	98.0
40°	1541.1	980.1	135.2	87.9	60.8	50.7	40.6	64.2	74.3	87.9	87.9
42.5°	1672.9	993.6	128.4	84.5	54.1	43.9	33.8	50.7	91.2	104.8	108.1
45°	1811.4	1020.6	121.7	81.1	50.7	37.2	40.6	60.8	71.0	94.6	94.6
47.5°	2004.0	1078.1	118.3	77.7	47.3	30.4	37.2	60.8	77.7	101.4	101.4
50°	2213.6	1138.9	111.5	74.3	40.6	27.0	57.5	50.7	64.2	104.8	104.8
52.5°	2429.9	1209.9	108.1	71.0	37.2	37.2	64.2	60.8	77.7	101.4	104.8
55°	2619.1	1267.3	101.4	71.0	33.8	33.8	67.6	60.8	71.0	94.6	98.0
57.5°	2710.4	1277.4	98.0	67.6	30.4	33.8	64.2	74.3	64.2	77.7	84.5
60°	2825.3	1304.5	87.9	60.8	27.0	43.9	74.3	98.0	87.9	101.4	108.1
62.5°	2933.4	1324.8	77.7	54.1	23.7	47.3	98.0	118.3	94.6	118.3	131.8
65°	3132.8	1368.7	64.2	43.9	20.3	54.1	111.5	141.9	104.8	138.6	138.6
67.5°	3409.9	1439.7	50.7	37.2	20.3	60.8	114.9	162.2	125.0	152.1	148.7
70°	3518.1	1324.8	43.9	33.8	20.3	71.0	125.0	175.7	131.8	169.0	169.0
72.5°	3068.6	956.4	37.2	33.8	33.8	81.1	155.5	192.6	145.3	212.9	209.5
75°	2369.0	601.6	37.2	33.8	40.6	101.4	175.7	206.1	155.5	236.6	233.2
77.5°	1578.2	283.9	37.2	37.2	47.3	111.5	189.3	219.7	172.4	263.6	260.2
80°	618.4	155.5	40.6	40.6	57.5	118.3	202.8	226.4	179.1	283.9	280.5
82.5°	297.4	108.1	40.6	40.6	77.7	131.8	216.3	236.6	185.9	287.3	283.9
85°	253.5	101.4	37.2	43.9	94.6	165.6	229.8	233.2	189.3	273.7	273.7
87.5°	226.4	98.0	37.2	43.9	128.4	192.6	239.9	229.8	202.8	267.0	267.0
90°	233.2	104.8	40.6	50.7	145.3	196.0	243.3	229.8	196.0	246.7	246.7
92.5°	250.1	111.5	43.9	54.1	145.3	182.5	226.4	206.1	182.5	209.5	206.1
95°	263.6	118.3	47.3	60.8	128.4	141.9	189.3	165.6	152.1	162.2	162.2
97.5°	202.8	91.2	54.1	67.6	98.0	84.5	118.3	108.1	81.1	67.6	67.6
100°	54.1	30.4	57.5	67.6	67.6	57.5	87.9	81.1	54.1	23.7	23.7
102.5°	20.3	20.3	54.1	64.2	54.1	43.9	64.2	60.8	43.9	6.8	6.8
105°	20.3	16.9	33.8	50.7	33.8	23.7	33.8	40.6	27.0	6.8	6.8
107.5°	20.3	16.9	20.3	30.4	13.5	10.1	13.5	13.5	13.5	3.4	6.8



REPORT NUMBER: P561235

CATALOG NUMBER: SDL-PA1-90-730-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.3	16.9	10.1	13.5	10.1	10.1	6.8	6.8	10.1	20.3	20.3
115°	20.3	16.9	10.1	10.1	6.8	10.1	6.8	3.4	10.1	23.7	27.0
117.5°	27.0	16.9	6.8	6.8	6.8	6.8	6.8	3.4	10.1	30.4	33.8
120°	33.8	20.3	6.8	6.8	6.8	3.4	6.8	3.4	13.5	30.4	33.8
122.5°	37.2	23.7	6.8	6.8	6.8	3.4	3.4	6.8	13.5	30.4	30.4
125°	37.2	23.7	6.8	6.8	3.4	3.4	3.4	3.4	13.5	30.4	33.8
127.5°	30.4	20.3	6.8	6.8	3.4	3.4	3.4	3.4	13.5	27.0	30.4
130°	27.0	20.3	6.8	6.8	3.4	3.4	3.4	3.4	13.5	23.7	27.0
132.5°	20.3	16.9	6.8	3.4	3.4	3.4	3.4	3.4	13.5	20.3	23.7
135°	16.9	10.1	6.8	3.4	3.4	3.4	3.4	3.4	10.1	20.3	20.3
137.5°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.1	10.1
140°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8
142.5°	3.4	6.8	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
145°	3.4	6.8	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
147.5°	3.4	6.8	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
150°	3.4	6.8	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8
152.5°	3.4	6.8	3.4	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4
155°	13.5	10.1	6.8	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	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°	27.0	27.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	13.5	23.7
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110°	20.3	16.9	10.1	13.5	10.1	10.1	10.1	6.8	6.8	13.5	13.5
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(END OF REPORT)