

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: P561257

Luminaire Tested: **SDL-PA1-90-740-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561257
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-PA1-90-740-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 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: 8029.6 lumens
Efficiency: N/A
Efficacy: 86.9 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



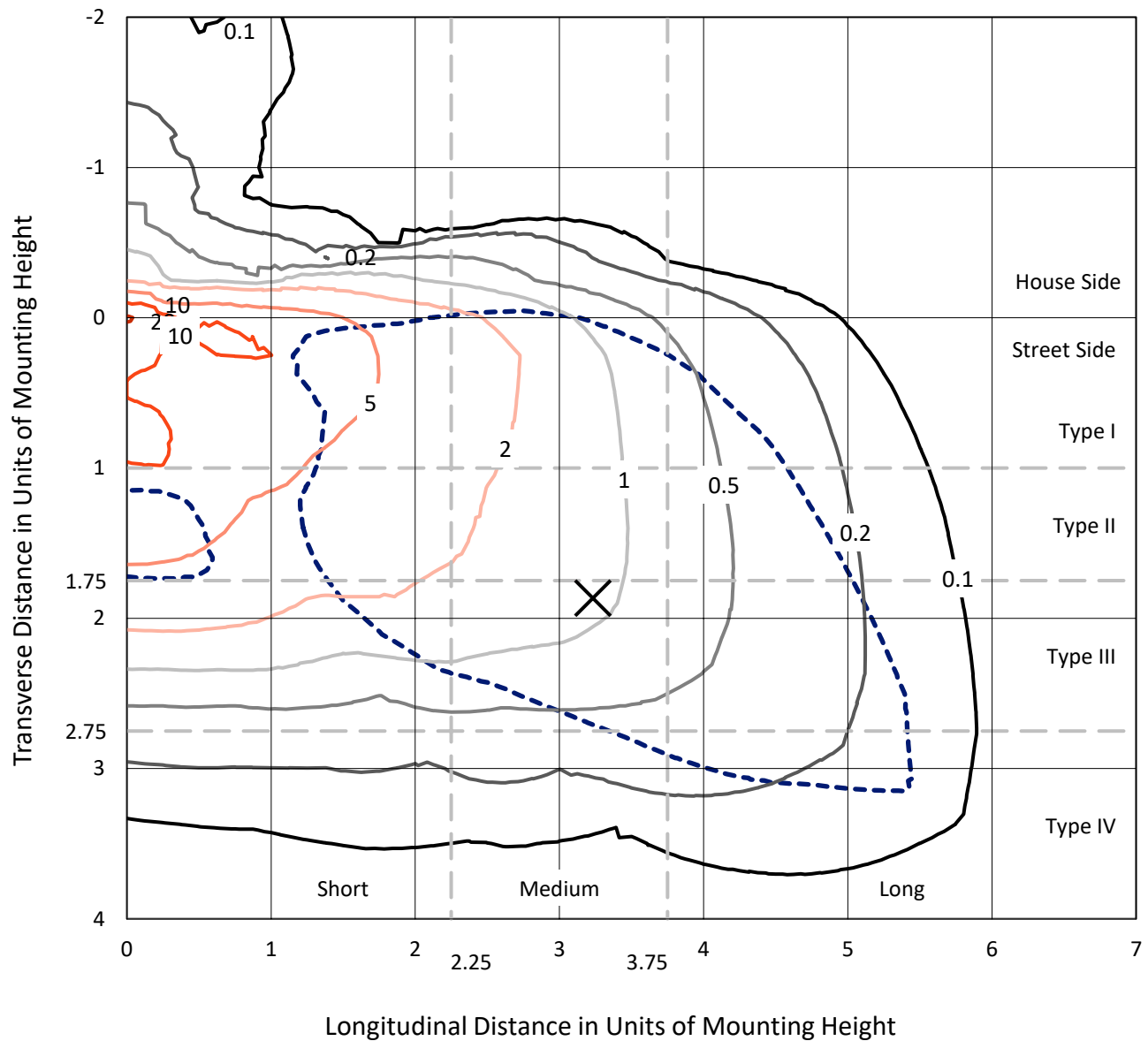
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

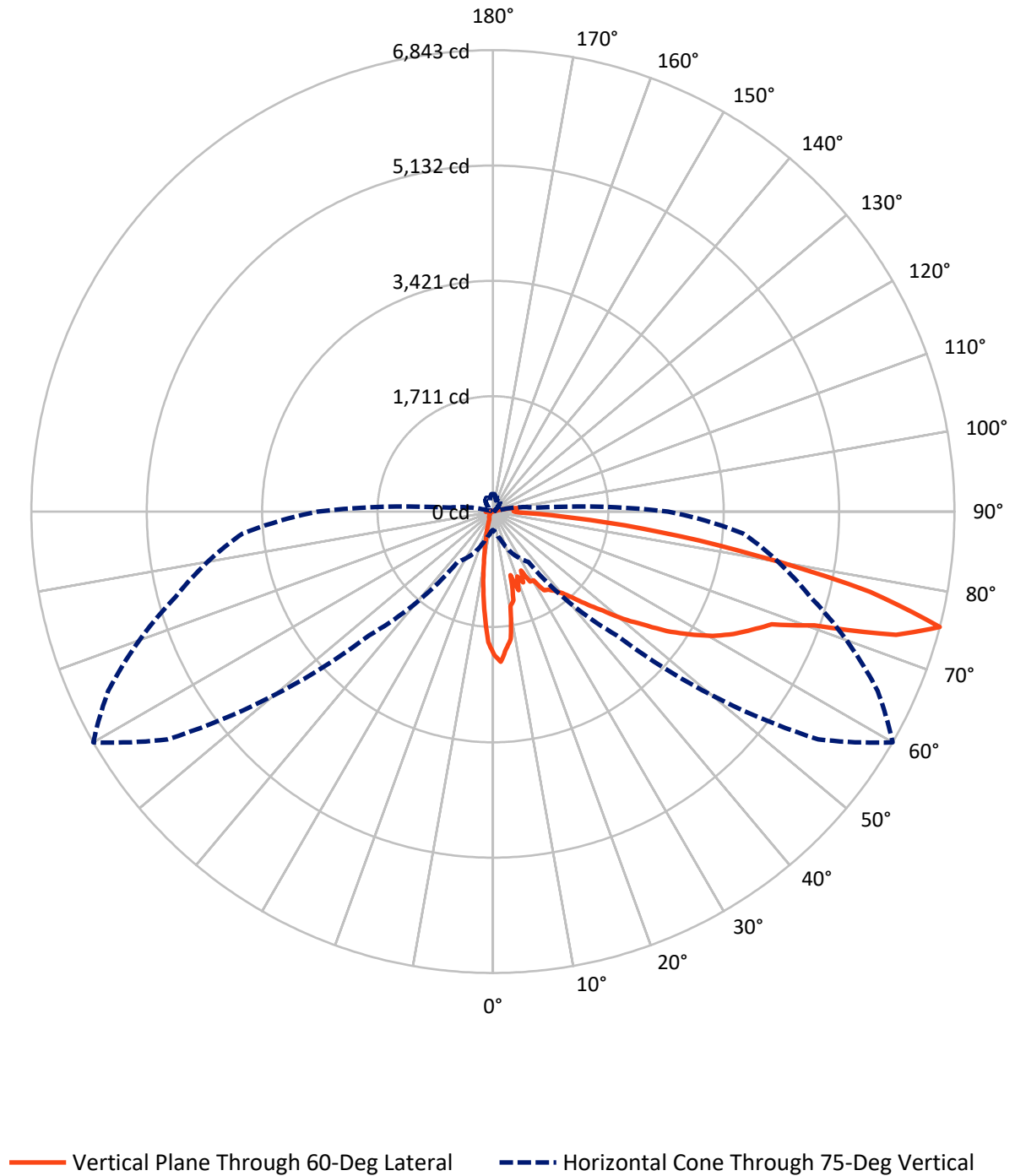


Based on 10 foot mounting height. Maximum calculated value = 21.2 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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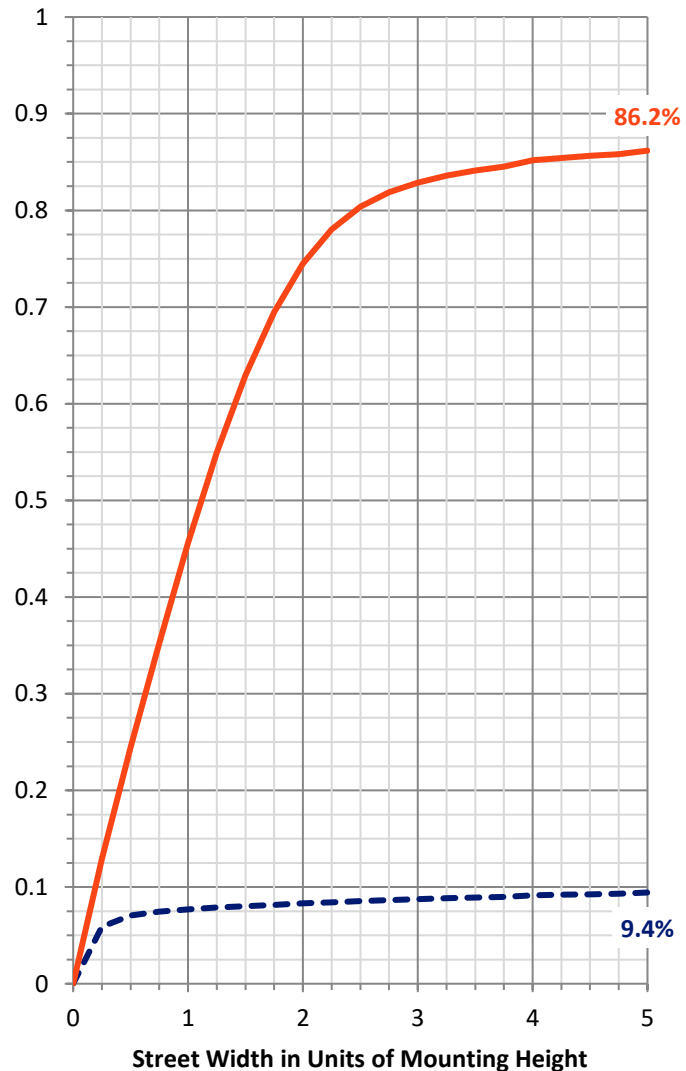
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	829.8	108.1	938.0
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	6978.6	113.1	7091.7
	% Fixture	86.9	1.4	88.3
Total	Lumens	7808.4	221.2	8029.6
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.3	1.8
10°-20°	241.6	3.0
20°-30°	341.6	4.3
30°-40°	613.9	7.6
40°-50°	1034.4	12.9
50°-60°	1608.8	20.0
60°-70°	1898.5	23.6
70°-80°	1540.0	19.2
80°-90°	382.4	4.8
90°-100°	154.3	1.9
100°-110°	35.7	0.4
110°-120°	11.2	0.1
120°-130°	9.9	0.1
130°-140°	5.3	0.1
140°-150°	2.6	0.0
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7808.4	97.2
0°-180°	8029.6	100.0



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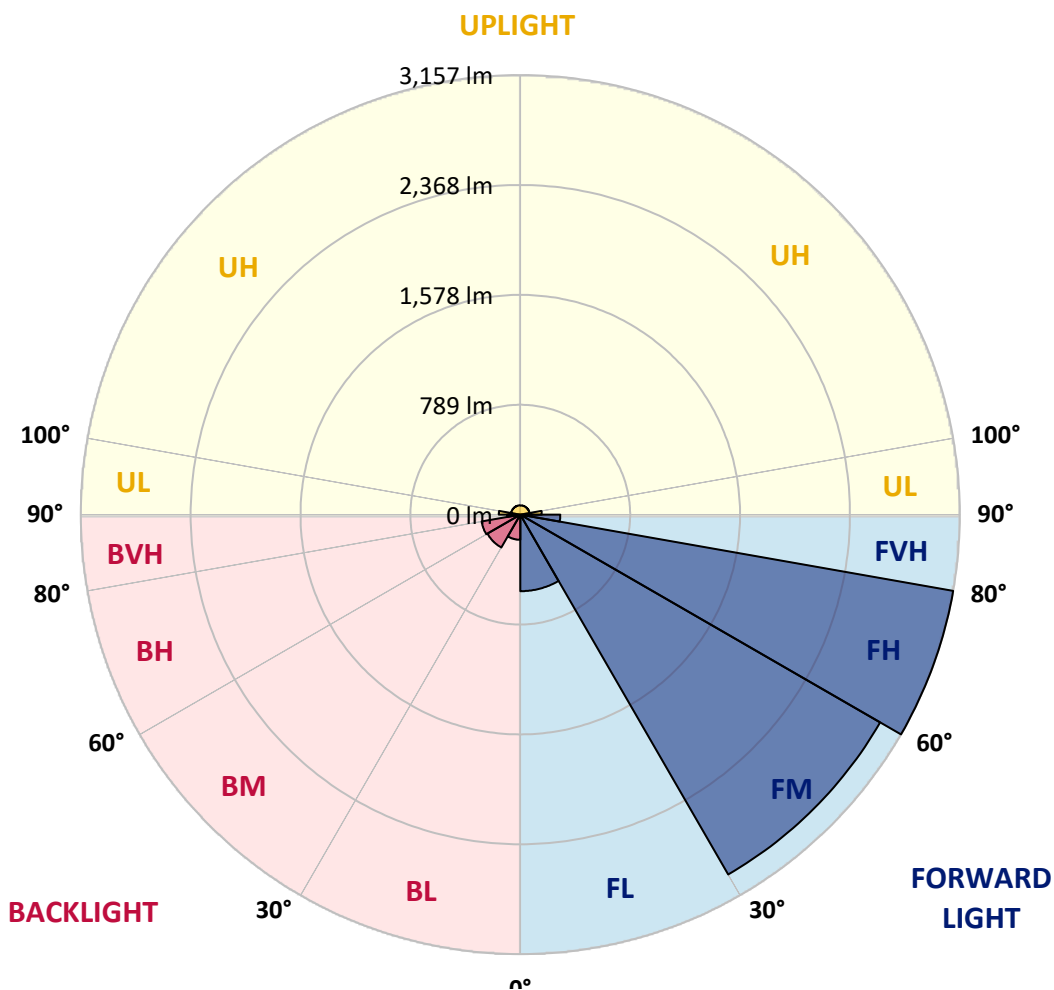
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	550.0	6.8			
FM	(30°-60°)	2984.3	37.2			
FH	(60°-80°)	3156.8	39.3			G2/5000
FVH	(80°-90°)	287.5	3.6			G3/500
BL	(0°-30°)	180.5	2.2	B1/500		
BM	(30°-60°)	272.8	3.4	B1/1000		
BH	(60°-80°)	281.7	3.5	B1/500		G1/500
BVH	(80°-90°)	94.9	1.2			G1/100
UL	(90°-100°)	154.3	1.9		U3/500	
UH	(100°-180°)	66.9	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°	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6
2.5°	1996.4	2148.6	2104.0	2245.0	2263.6	2256.2	2248.8	2230.2	2211.6	2178.3	2126.3
5°	1914.8	1929.6	1918.5	1944.5	1948.2	1959.3	1940.8	2044.7	2219.1	2174.5	2092.9
7.5°	1573.4	1729.2	1747.8	1796.0	1840.6	1885.1	1911.1	1907.4	1684.7	1892.5	1799.7
10°	1606.8	1629.1	1625.3	1658.7	1621.6	1558.5	1421.2	1425.0	1425.0	1469.5	1517.7
12.5°	1272.8	1339.6	1502.9	1554.8	1443.5	1313.6	1324.8	1350.7	1369.3	1161.5	1280.2
15°	1443.5	1447.2	1450.9	1450.9	1087.3	1243.1	1083.6	979.7	1120.7	1373.0	1395.3
17.5°	1131.8	1120.7	1306.2	1291.4	1198.6	924.0	1202.3	1228.3	1180.0	1154.1	1161.5
20°	1328.5	1328.5	1317.3	1050.2	1105.8	1191.2	1031.6	1027.9	1087.3	1350.7	1365.6
22.5°	1076.1	1065.0	1124.4	1168.9	1050.2	1135.5	1016.8	1142.9	1265.4	1194.9	975.9
25°	1347.0	1347.0	1302.5	1013.1	1087.3	975.9	1128.1	968.5	1076.1	1462.1	1391.6
27.5°	1246.8	1213.4	1109.5	1150.4	975.9	1135.5	1039.0	1176.3	1243.1	1514.0	1621.6
30°	1610.5	1599.4	1480.6	1157.8	1109.5	1042.7	1117.0	1183.8	1432.4	1963.0	1874.0
32.5°	2148.6	2089.2	1684.7	1432.4	1165.2	1235.7	1191.2	1391.6	1573.4	2007.6	1899.9
35°	2293.3	2248.8	2055.8	1740.4	1306.2	1306.2	1280.2	1421.2	1614.2	2104.0	1955.6
37.5°	2341.5	2337.8	2271.0	1903.7	1499.2	1502.9	1354.4	1491.7	1695.8	2233.9	2037.2
40°	2371.2	2378.6	2445.4	2074.3	1703.3	1695.8	1491.7	1591.9	1822.0	2374.9	2185.7
42.5°	2497.4	2538.2	2619.8	2263.6	1896.2	1899.9	1658.7	1751.5	1989.0	2608.7	2389.8
45°	2779.4	2790.5	2838.8	2523.4	2078.1	2104.0	1870.3	1966.7	2193.1	2864.8	2619.8
47.5°	3206.1	3206.1	3124.5	2727.5	2293.3	2330.4	2092.9	2193.1	2434.3	3239.5	2887.0
50°	3584.7	3555.0	3376.8	2968.7	2467.7	2549.3	2386.1	2501.1	2638.4	3525.3	3221.0
52.5°	3822.1	3811.0	3592.1	3131.9	2653.2	2790.5	2627.3	2775.7	2875.9	3822.1	3521.6
55°	3788.7	3788.7	3647.7	3217.3	2823.9	3009.5	2939.0	3124.5	3161.6	4104.2	3740.5
57.5°	3662.6	3681.1	3614.3	3250.7	2857.3	3217.3	3258.1	3432.5	3495.6	4267.4	3877.8
60°	3406.5	3443.6	3514.1	3295.2	2987.2	3451.1	3584.7	3740.5	3859.3	4389.9	3992.8
62.5°	2927.8	2976.1	3224.7	3291.5	3087.4	3692.3	3863.0	4000.3	4111.6	4456.7	4074.5
65°	2219.1	2308.1	2668.1	3054.0	3080.0	3974.3	4089.3	4222.9	4330.5	4523.5	4286.0
67.5°	1417.5	1421.2	1810.9	2523.4	2872.2	4371.3	4393.6	4460.4	4530.9	4709.0	4586.6
70°	731.0	768.1	953.7	1610.5	2352.7	4453.0	5154.3	5057.8	4950.2	5113.5	4976.2
72.5°	486.1	526.9	627.1	868.3	1476.9	4015.1	5981.8	6249.0	5774.0	5414.1	4634.8
75°	274.6	296.9	419.3	686.5	912.9	2593.9	5889.1	6842.8	6293.6	4864.9	3725.7
77.5°	122.5	129.9	189.3	538.1	783.0	1265.4	4634.8	5718.4	5499.4	4055.9	2686.6
80°	66.8	66.8	89.1	248.6	664.2	953.7	3076.3	3981.7	3740.5	2445.4	1220.9
82.5°	37.1	40.8	52.0	118.7	404.5	872.0	1944.5	2497.4	1974.2	671.7	493.5
85°	14.8	14.8	22.3	63.1	148.4	738.5	1065.0	1187.5	797.8	341.4	382.2
87.5°	7.4	7.4	7.4	22.3	48.2	189.3	348.8	374.8	293.2	270.9	330.3
90°	11.1	11.1	7.4	7.4	33.4	200.4	293.2	308.0	241.2	270.9	334.0
92.5°	14.8	11.1	7.4	7.4	26.0	200.4	334.0	330.3	241.2	270.9	345.1
95°	18.6	14.8	7.4	7.4	26.0	178.1	400.8	359.9	259.8	274.6	363.7
97.5°	18.6	18.6	7.4	7.4	26.0	137.3	423.0	363.7	226.4	178.1	248.6
100°	22.3	22.3	7.4	7.4	29.7	81.6	293.2	270.9	159.6	59.4	70.5
102.5°	26.0	26.0	7.4	7.4	18.6	40.8	141.0	137.3	89.1	14.8	26.0
105°	26.0	29.7	7.4	7.4	7.4	18.6	52.0	63.1	44.5	14.8	26.0
107.5°	29.7	33.4	7.4	7.4	7.4	11.1	22.3	22.3	14.8	14.8	26.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	22.3	22.3	3.7	7.4	7.4	7.4	3.7	7.4	7.4	11.1	22.3
115°	11.1	7.4	3.7	7.4	3.7	7.4	3.7	7.4	11.1	11.1	26.0
117.5°	3.7	3.7	3.7	3.7	3.7	7.4	3.7	7.4	7.4	18.6	33.4
120°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	26.0	40.8
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	26.0	48.2
125°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	18.6	44.5
127.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	18.6	37.1
130°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	14.8	33.4
132.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	14.8	26.0
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	18.6
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4
140°	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	3.7	7.4	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7
150°	14.8	14.8	14.8	11.1	7.4	3.7	11.1	7.4	3.7	3.7	3.7
152.5°	11.1	11.1	18.6	7.4	3.7	3.7	3.7	11.1	11.1	3.7	3.7
155°	11.1	11.1	7.4	3.7	3.7	3.7	3.7	3.7	3.7	11.1	14.8
157.5°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	7.4	3.7
160°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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°	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6
2.5°	2107.7	2085.5	2026.1	1970.4	1903.7	1862.8	1721.8	1562.3	1528.9	1521.4	1495.5
5°	2055.8	2007.6	1892.5	1647.6	1402.7	1291.4	1239.4	1198.6	1142.9	1131.8	1117.0
7.5°	1744.1	1662.4	1484.3	1183.8	1146.6	1042.7	957.4	886.9	734.7	693.9	671.7
10°	1450.9	1380.4	1013.1	860.9	783.0	705.1	612.3	541.8	478.7	449.0	437.9
12.5°	1172.6	1102.1	757.0	682.8	486.1	400.8	348.8	289.4	241.2	215.2	215.2
15°	1298.8	1183.8	783.0	486.1	319.1	237.5	174.4	155.9	181.8	185.5	185.5
17.5°	1061.3	946.3	616.0	378.5	233.8	129.9	141.0	159.6	174.4	152.1	155.9
20°	1220.9	1061.3	619.7	285.7	148.4	126.2	129.9	118.7	159.6	163.3	163.3
22.5°	924.0	834.9	467.6	226.4	115.0	118.7	111.3	133.6	148.4	129.9	126.2
25°	1194.9	983.4	475.0	144.7	115.0	96.5	115.0	103.9	137.3	141.0	141.0
27.5°	1369.3	1102.1	415.6	126.2	96.5	103.9	92.8	107.6	103.9	103.9	103.9
30°	1554.8	1202.3	404.5	122.5	92.8	85.3	89.1	85.3	100.2	103.9	103.9
32.5°	1554.8	1150.4	308.0	122.5	89.1	81.6	70.5	77.9	81.6	89.1	92.8
35°	1566.0	1105.8	226.4	111.3	81.6	70.5	63.1	63.1	70.5	74.2	74.2
37.5°	1599.4	1076.1	174.4	103.9	74.2	63.1	52.0	55.7	96.5	107.6	107.6
40°	1692.1	1076.1	148.4	96.5	66.8	55.7	44.5	70.5	81.6	96.5	96.5
42.5°	1836.9	1091.0	141.0	92.8	59.4	48.2	37.1	55.7	100.2	115.0	118.7
45°	1989.0	1120.7	133.6	89.1	55.7	40.8	44.5	66.8	77.9	103.9	103.9
47.5°	2200.5	1183.8	129.9	85.3	52.0	33.4	40.8	66.8	85.3	111.3	111.3
50°	2430.6	1250.5	122.5	81.6	44.5	29.7	63.1	55.7	70.5	115.0	115.0
52.5°	2668.1	1328.5	118.7	77.9	40.8	40.8	70.5	66.8	85.3	111.3	115.0
55°	2875.9	1391.6	111.3	77.9	37.1	37.1	74.2	66.8	77.9	103.9	107.6
57.5°	2976.1	1402.7	107.6	74.2	33.4	37.1	70.5	81.6	70.5	85.3	92.8
60°	3102.2	1432.4	96.5	66.8	29.7	48.2	81.6	107.6	96.5	111.3	118.7
62.5°	3221.0	1454.6	85.3	59.4	26.0	52.0	107.6	129.9	103.9	129.9	144.7
65°	3439.9	1502.9	70.5	48.2	22.3	59.4	122.5	155.9	115.0	152.1	152.1
67.5°	3744.2	1580.8	55.7	40.8	22.3	66.8	126.2	178.1	137.3	167.0	163.3
70°	3863.0	1454.6	48.2	37.1	22.3	77.9	137.3	193.0	144.7	185.5	185.5
72.5°	3369.4	1050.2	40.8	37.1	37.1	89.1	170.7	211.5	159.6	233.8	230.1
75°	2601.3	660.5	40.8	37.1	44.5	111.3	193.0	226.4	170.7	259.8	256.0
77.5°	1733.0	311.7	40.8	40.8	52.0	122.5	207.8	241.2	189.3	289.4	285.7
80°	679.1	170.7	44.5	44.5	63.1	129.9	222.6	248.6	196.7	311.7	308.0
82.5°	326.6	118.7	44.5	44.5	85.3	144.7	237.5	259.8	204.1	315.4	311.7
85°	278.3	111.3	40.8	48.2	103.9	181.8	252.3	256.0	207.8	300.6	300.6
87.5°	248.6	107.6	40.8	48.2	141.0	211.5	263.5	252.3	222.6	293.2	293.2
90°	256.0	115.0	44.5	55.7	159.6	215.2	267.2	252.3	215.2	270.9	270.9
92.5°	274.6	122.5	48.2	59.4	159.6	200.4	248.6	226.4	200.4	230.1	226.4
95°	289.4	129.9	52.0	66.8	141.0	155.9	207.8	181.8	167.0	178.1	178.1
97.5°	222.6	100.2	59.4	74.2	107.6	92.8	129.9	118.7	89.1	74.2	74.2
100°	59.4	33.4	63.1	74.2	74.2	63.1	96.5	89.1	59.4	26.0	26.0
102.5°	22.3	22.3	59.4	70.5	59.4	48.2	70.5	66.8	48.2	7.4	7.4
105°	22.3	18.6	37.1	55.7	37.1	26.0	37.1	44.5	29.7	7.4	7.4
107.5°	22.3	18.6	22.3	33.4	14.8	11.1	14.8	14.8	14.8	3.7	7.4



REPORT NUMBER: P561257

CATALOG NUMBER: SDL-PA1-90-740-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.3	18.6	11.1	14.8	11.1	11.1	7.4	7.4	11.1	22.3	22.3
115°	22.3	18.6	11.1	11.1	7.4	11.1	7.4	3.7	11.1	26.0	29.7
117.5°	29.7	18.6	7.4	7.4	7.4	7.4	7.4	3.7	11.1	33.4	37.1
120°	37.1	22.3	7.4	7.4	7.4	3.7	7.4	3.7	14.8	33.4	37.1
122.5°	40.8	26.0	7.4	7.4	7.4	3.7	3.7	7.4	14.8	33.4	33.4
125°	40.8	26.0	7.4	7.4	3.7	3.7	3.7	3.7	14.8	33.4	37.1
127.5°	33.4	22.3	7.4	7.4	3.7	3.7	3.7	3.7	14.8	29.7	33.4
130°	29.7	22.3	7.4	7.4	3.7	3.7	3.7	3.7	14.8	26.0	29.7
132.5°	22.3	18.6	7.4	3.7	3.7	3.7	3.7	3.7	14.8	22.3	26.0
135°	18.6	11.1	7.4	3.7	3.7	3.7	3.7	3.7	11.1	22.3	22.3
137.5°	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7	7.4	11.1	11.1
140°	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4
142.5°	3.7	7.4	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
145°	3.7	7.4	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
147.5°	3.7	7.4	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
150°	3.7	7.4	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	7.4
152.5°	3.7	7.4	3.7	3.7	3.7	0.0	0.0	3.7	3.7	3.7	3.7
155°	14.8	11.1	7.4	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
157.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
160°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
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°	29.7	29.7	7.4	7.4	7.4	7.4	7.4	7.4	7.4	14.8	26.0
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110°	22.3	18.6	11.1	14.8	11.1	11.1	11.1	7.4	7.4	14.8	14.8
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(END OF REPORT)