

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: P561278

Luminaire Tested: **SDL-PA1-90-750-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-750-U-SL3-A
Description: Springdale
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9513.8 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B2 - 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



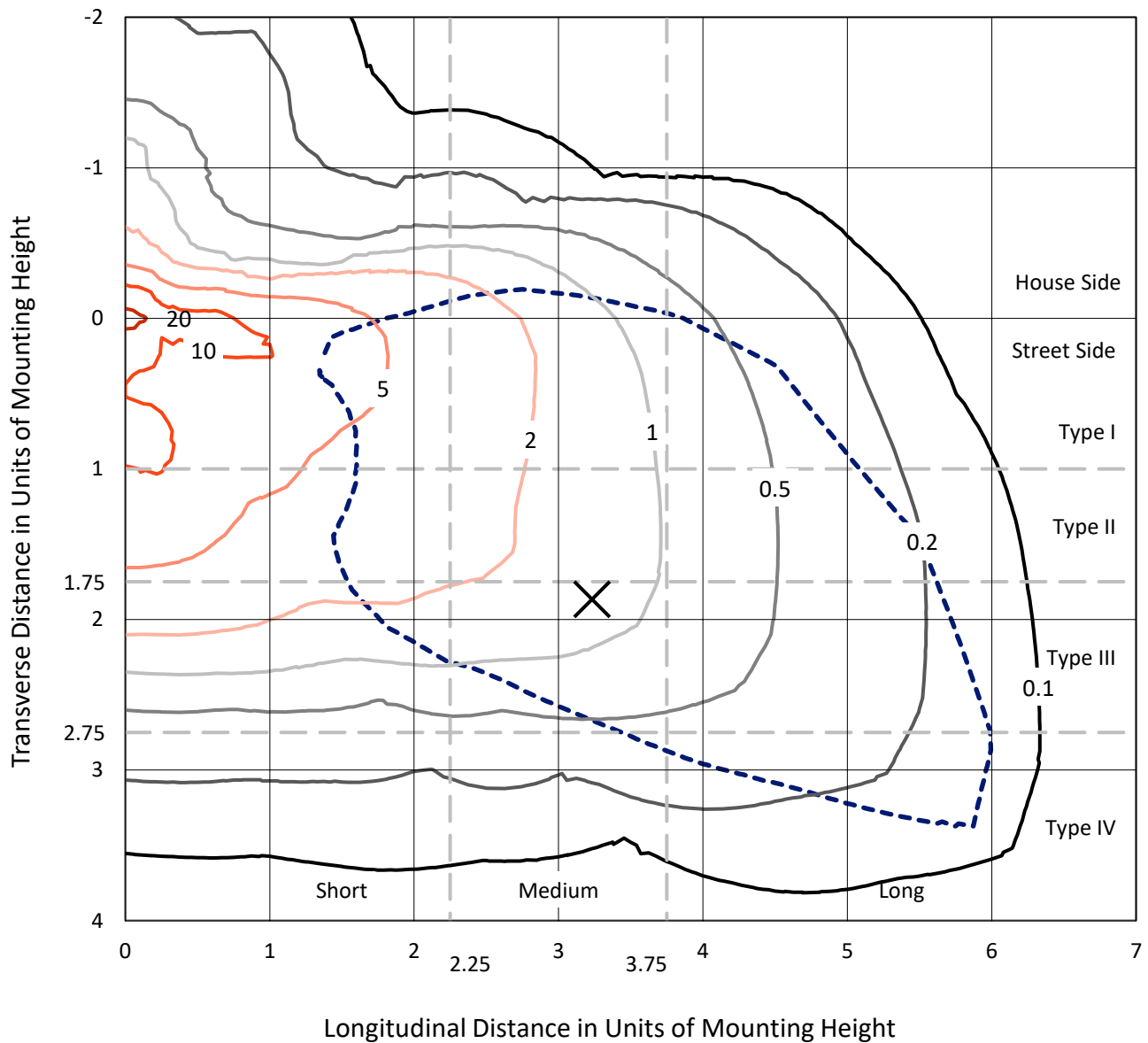
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



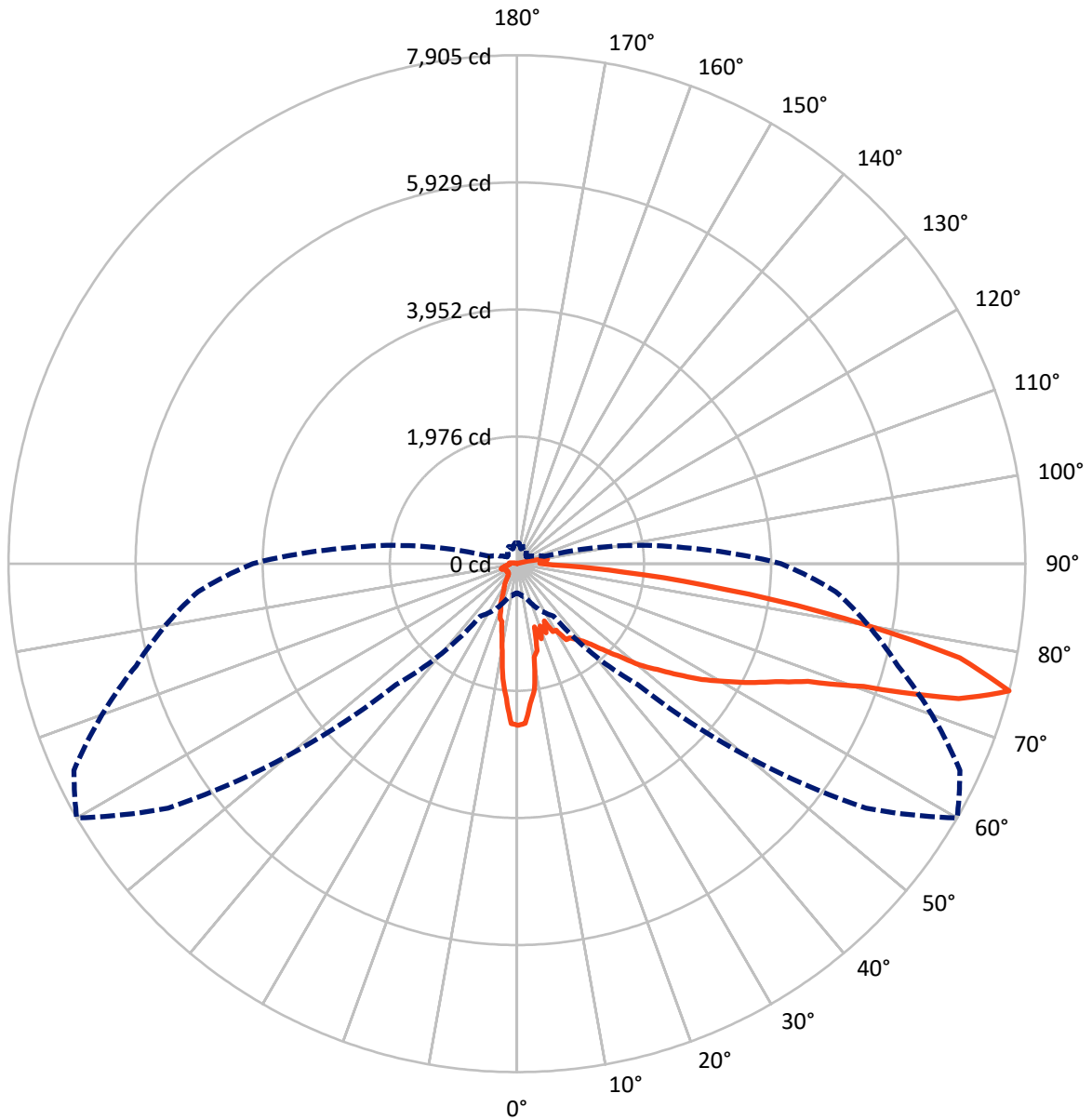
Based on 10 foot mounting height. Maximum calculated value = 25.1 fc

Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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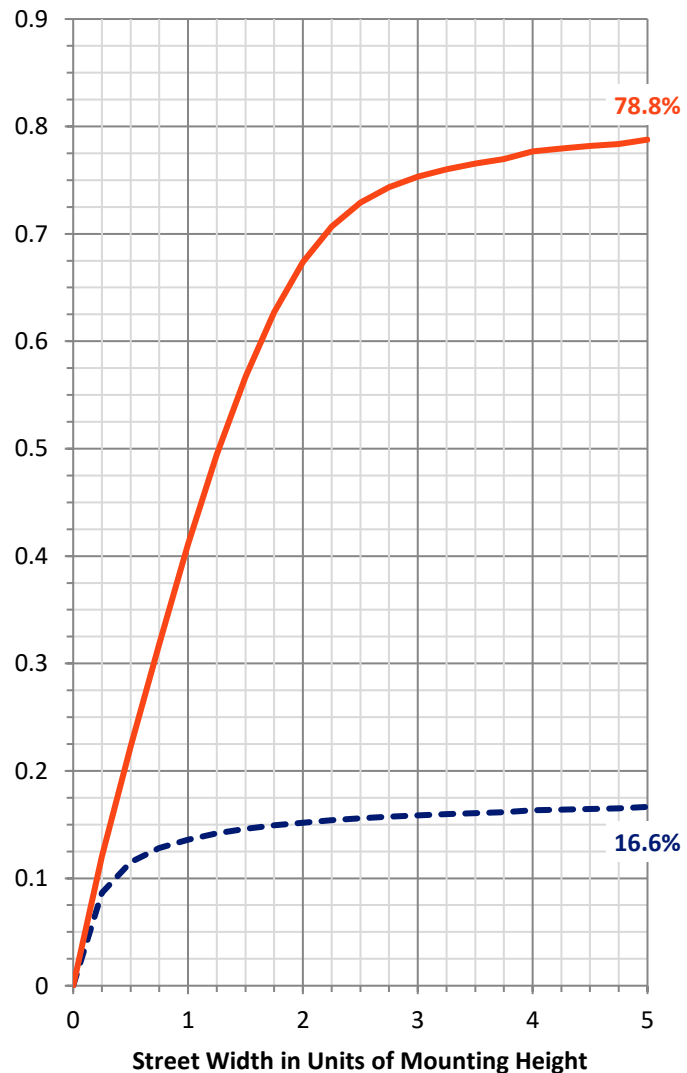
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1670.2	126.6	1796.8
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	7583.1	133.9	7717.0
	% Fixture	79.7	1.4	81.1
Total	Lumens	9253.4	260.5	9513.8
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.9	1.9
10°-20°	329.0	3.5
20°-30°	426.4	4.5
30°-40°	710.6	7.5
40°-50°	1137.8	12.0
50°-60°	1746.7	18.4
60°-70°	2182.6	22.9
70°-80°	1990.7	20.9
80°-90°	544.7	5.7
90°-100°	182.9	1.9
100°-110°	41.6	0.4
110°-120°	13.2	0.1
120°-130°	12.3	0.1
130°-140°	5.8	0.1
140°-150°	2.4	0.0
150°-160°	2.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9253.4	97.3
0°-180°	9513.8	100.0



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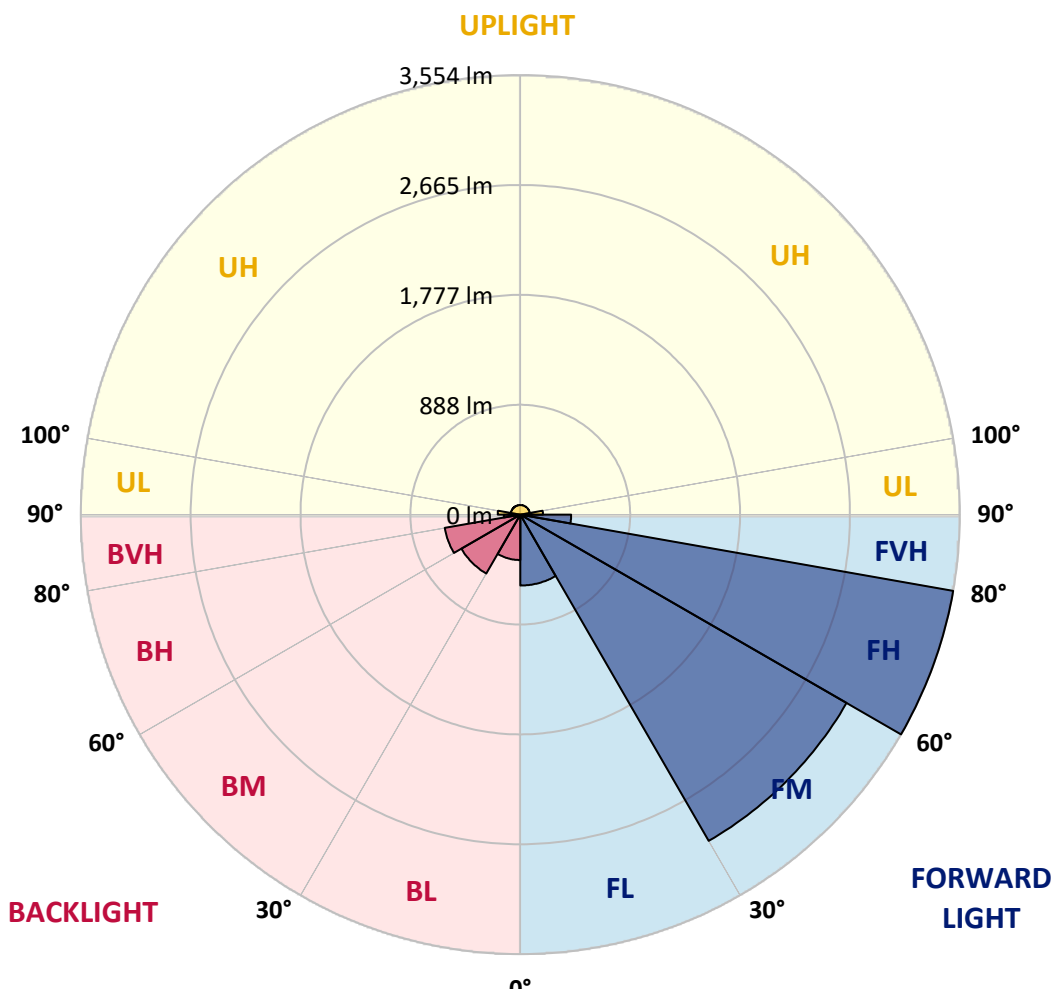
CATALOG NUMBER: SDL-PA1-90-750-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	573.1	6.0			
FM	(30°-60°)	3045.5	32.0			
FH	(60°-80°)	3553.5	37.4			G2/5000
FVH	(80°-90°)	411.1	4.3			G3/500
BL	(0°-30°)	367.2	3.9	B1/500		
BM	(30°-60°)	549.6	5.8	B1/1000		
BH	(60°-80°)	619.7	6.5	B2/1000		G2/1000
BVH	(80°-90°)	133.7	1.4			G2/225
UL	(90°-100°)	182.9	1.9		U3/500	
UH	(100°-180°)	77.6	0.8		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5
2.5°	2108.0	2304.7	2286.1	2438.3	2438.3	2471.7	2486.5	2482.8	2497.6	2512.5	2508.8
5°	1941.0	1944.7	1959.5	1992.9	2004.0	2015.2	2052.3	2182.2	2401.1	2453.1	2453.1
7.5°	1603.2	1692.3	1803.6	1822.2	1889.0	1922.4	1963.2	1970.6	1822.2	2089.4	2115.4
10°	1625.5	1629.2	1621.8	1662.6	1614.4	1595.8	1465.9	1473.3	1488.2	1588.4	1788.8
12.5°	1272.9	1347.2	1506.7	1581.0	1462.2	1332.3	1324.9	1388.0	1414.0	1265.5	1577.3
15°	1454.8	1462.2	1465.9	1469.6	1091.1	1265.5	1105.9	1016.9	1139.3	1436.2	1632.9
17.5°	1139.3	1146.8	1321.2	1317.5	1202.4	972.3	1202.4	1228.4	1180.2	1221.0	1365.7
20°	1336.0	1339.7	1328.6	1031.7	1054.0	1191.3	1035.4	1031.7	1091.1	1406.5	1588.4
22.5°	1098.5	1083.7	1080.0	1180.2	1072.5	1146.8	1005.7	1165.3	1265.5	1254.4	1198.7
25°	1376.9	1373.1	1317.5	1028.0	1098.5	972.3	1176.5	987.2	1094.8	1517.9	1588.4
27.5°	1287.8	1235.8	1143.1	1187.6	1024.3	1139.3	1046.6	1195.0	1261.8	1558.7	1840.8
30°	1666.3	1629.2	1521.6	1198.7	1131.9	1050.3	1120.8	1198.7	1436.2	2007.8	2104.3
32.5°	2200.7	2159.9	1774.0	1469.6	1187.6	1243.3	1180.2	1406.5	1584.7	2048.6	2122.8
35°	2364.0	2308.4	2119.1	1781.4	1362.0	1321.2	1258.1	1417.7	1607.0	2156.2	2156.2
37.5°	2456.8	2453.1	2364.0	1966.9	1536.4	1514.2	1354.6	1488.2	1696.0	2260.1	2237.9
40°	2471.7	2490.2	2531.0	2130.2	1744.3	1696.0	1480.8	1584.7	1822.2	2386.3	2341.8
42.5°	2594.1	2627.5	2720.3	2345.5	1952.1	1907.6	1629.2	1725.7	1959.5	2571.9	2560.7
45°	2790.8	2824.2	2905.9	2583.0	2133.9	2104.3	1870.4	1929.8	2182.2	2898.4	2794.5
47.5°	3199.1	3206.5	3173.1	2779.7	2330.6	2330.6	2104.3	2159.9	2382.6	3199.1	3098.9
50°	3607.3	3562.8	3414.3	3013.5	2527.3	2583.0	2345.5	2475.4	2609.0	3503.4	3366.1
52.5°	3833.7	3826.3	3625.8	3191.6	2698.0	2805.7	2623.8	2735.2	2816.8	3811.4	3618.4
55°	3841.1	3830.0	3692.6	3277.0	2857.6	3035.8	2902.2	3046.9	3106.3	4052.6	3963.6
57.5°	3718.6	3748.3	3677.8	3325.2	2935.6	3258.4	3239.9	3395.8	3425.4	4338.4	4201.1
60°	3525.6	3521.9	3607.3	3369.8	3054.3	3470.0	3551.6	3711.2	3870.8	4557.4	4412.6
62.5°	3043.2	3076.6	3317.8	3369.8	3184.2	3744.6	3900.5	4067.5	4264.2	4757.8	4601.9
65°	2382.6	2401.1	2779.7	3124.8	3221.3	4112.0	4253.0	4420.0	4627.9	4961.9	4813.4
67.5°	1439.9	1562.4	1889.0	2571.9	3032.1	4553.6	4813.4	4883.9	5002.7	5192.0	5125.2
70°	820.2	857.3	1013.2	1618.1	2531.0	4694.7	5845.1	5719.0	5596.5	5641.0	5514.8
72.5°	623.5	645.7	716.3	957.5	1514.2	4145.4	6713.6	7181.2	6654.2	6108.6	5503.7
75°	452.8	475.0	545.5	771.9	994.6	2657.2	6624.5	7904.9	7600.5	6130.9	4976.7
77.5°	282.1	285.8	326.6	656.9	894.4	1332.3	5184.6	7040.2	7173.8	5726.4	4126.9
80°	196.7	200.4	207.8	352.6	823.9	1068.8	3481.1	5169.7	5359.0	3985.8	2104.3
82.5°	141.0	148.4	155.9	207.8	534.4	1020.6	2167.3	3254.7	2868.8	1443.7	853.6
85°	74.2	81.6	100.2	126.2	215.2	1109.6	1298.9	1655.2	1310.1	586.4	508.4
87.5°	29.7	26.0	22.3	33.4	59.4	426.8	504.7	556.7	430.5	330.3	404.5
90°	26.0	22.3	14.8	18.6	26.0	152.2	319.2	356.3	296.9	322.9	408.2
92.5°	26.0	22.3	14.8	14.8	26.0	152.2	382.3	389.7	308.0	330.3	426.8
95°	26.0	26.0	14.8	14.8	26.0	137.3	452.8	445.3	319.2	348.9	452.8
97.5°	26.0	26.0	11.1	14.8	26.0	92.8	467.6	482.5	311.7	248.7	374.8
100°	26.0	26.0	11.1	11.1	22.3	59.4	326.6	352.6	230.1	81.6	92.8
102.5°	26.0	26.0	11.1	11.1	14.8	40.8	144.7	174.4	137.3	26.0	29.7
105°	26.0	29.7	7.4	7.4	11.1	22.3	63.1	70.5	55.7	18.6	33.4
107.5°	29.7	33.4	7.4	7.4	7.4	11.1	22.3	26.0	14.8	14.8	33.4



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CATALOG NUMBER: SDL-PA1-90-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	26.0	22.3	3.7	7.4	7.4	7.4	7.4	7.4	7.4	14.8	37.1
115°	14.8	11.1	3.7	7.4	7.4	7.4	3.7	7.4	11.1	14.8	33.4
117.5°	14.8	11.1	3.7	3.7	3.7	7.4	3.7	3.7	11.1	18.6	40.8
120°	11.1	11.1	3.7	3.7	3.7	3.7	3.7	7.4	7.4	26.0	55.7
122.5°	11.1	11.1	3.7	3.7	3.7	3.7	3.7	7.4	7.4	26.0	55.7
125°	14.8	14.8	7.4	3.7	3.7	3.7	3.7	7.4	7.4	22.3	52.0
127.5°	11.1	11.1	7.4	3.7	3.7	3.7	3.7	7.4	7.4	18.6	40.8
130°	11.1	11.1	7.4	3.7	3.7	3.7	3.7	7.4	3.7	18.6	33.4
132.5°	11.1	11.1	7.4	3.7	3.7	3.7	3.7	3.7	3.7	11.1	26.0
135°	11.1	11.1	7.4	3.7	3.7	3.7	3.7	3.7	3.7	7.4	18.6
137.5°	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4
140°	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	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	7.4	3.7	3.7	3.7	3.7	3.7
150°	7.4	7.4	14.8	11.1	7.4	3.7	3.7	3.7	3.7	3.7	3.7
152.5°	14.8	14.8	14.8	11.1	3.7	3.7	7.4	11.1	3.7	3.7	3.7
155°	11.1	11.1	11.1	3.7	3.7	3.7	3.7	3.7	7.4	11.1	11.1
157.5°	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	3.7	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°	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5
2.5°	2497.6	2505.1	2497.6	2490.2	2482.8	2460.5	2308.4	2122.8	2108.0	2122.8	2115.4
5°	2434.5	2434.5	2430.8	2174.8	2022.6	1978.1	1966.9	1955.8	1933.5	1922.4	1929.8
7.5°	2100.5	2089.4	1959.5	1729.4	1874.2	1822.2	1792.5	1777.7	1555.0	1473.3	1480.8
10°	1755.4	1755.4	1458.5	1376.9	1369.4	1391.7	1543.9	1532.7	1503.0	1484.5	1503.0
12.5°	1514.2	1577.3	1157.9	1239.5	1005.7	1113.4	1217.3	1291.5	1065.1	1002.0	1013.2
15°	1607.0	1584.7	1272.9	972.3	887.0	935.2	749.7	938.9	924.1	894.4	890.7
17.5°	1402.8	1287.8	1061.4	913.0	875.8	660.6	642.0	664.3	608.6	556.7	582.7
20°	1525.3	1462.2	1124.5	812.8	675.4	601.2	452.8	423.1	538.1	564.1	560.4
22.5°	1272.9	1061.4	920.4	809.0	545.5	430.5	341.4	374.8	400.8	426.8	437.9
25°	1495.6	1380.6	1005.7	604.9	441.6	315.5	308.0	278.3	419.4	478.7	475.0
27.5°	1725.7	1562.4	968.6	567.8	319.2	270.9	248.7	282.1	293.2	330.3	352.6
30°	1929.8	1733.1	1120.8	527.0	267.2	204.1	222.7	230.1	285.8	308.0	308.0
32.5°	1922.4	1684.9	1002.0	449.1	219.0	185.6	185.6	219.0	252.4	304.3	308.0
35°	1918.7	1647.8	894.4	348.9	193.0	163.3	170.7	207.8	252.4	282.1	285.8
37.5°	1963.2	1636.6	786.8	282.1	174.4	155.9	163.3	196.7	270.9	300.6	300.6
40°	2030.0	1644.1	679.2	241.2	167.0	152.2	155.9	207.8	244.9	270.9	270.9
42.5°	2234.1	1751.7	586.4	222.7	167.0	148.4	148.4	193.0	248.7	293.2	296.9
45°	2386.3	1837.0	515.9	222.7	163.3	141.0	155.9	193.0	219.0	322.9	345.1
47.5°	2631.2	1992.9	449.1	222.7	163.3	137.3	144.7	189.3	230.1	371.1	386.0
50°	2876.2	2148.8	419.4	222.7	163.3	133.6	163.3	181.8	230.1	386.0	397.1
52.5°	3136.0	2341.8	400.8	222.7	163.3	141.0	178.1	219.0	248.7	345.1	341.4
55°	3403.2	2512.5	389.7	230.1	163.3	141.0	193.0	204.1	211.5	267.2	274.6
57.5°	3651.8	2720.3	411.9	230.1	159.6	148.4	181.8	200.4	185.6	233.8	237.5
60°	3848.5	2909.6	467.6	222.7	155.9	148.4	185.6	219.0	207.8	256.1	263.5
62.5°	4074.9	3110.0	597.5	226.4	155.9	152.2	207.8	237.5	211.5	252.4	267.2
65°	4371.8	3414.3	742.2	248.7	159.6	159.6	211.5	256.1	211.5	248.7	248.7
67.5°	4705.8	3696.4	742.2	289.5	170.7	170.7	211.5	270.9	226.4	248.7	248.7
70°	4950.7	3711.2	612.3	319.2	185.6	181.8	219.0	282.1	230.1	274.6	270.9
72.5°	4679.8	3306.7	508.4	315.5	200.4	189.3	248.7	289.5	233.8	311.7	308.0
75°	4108.3	2727.7	441.6	282.1	181.8	193.0	259.8	296.9	237.5	326.6	319.2
77.5°	3239.9	1989.2	374.8	237.5	159.6	185.6	267.2	304.3	244.9	345.1	341.4
80°	1569.8	998.3	304.3	200.4	144.7	178.1	267.2	300.6	241.2	356.3	356.3
82.5°	708.8	497.3	207.8	137.3	144.7	181.8	274.6	304.3	241.2	348.9	345.1
85°	460.2	341.4	133.6	107.6	144.7	207.8	278.3	289.5	230.1	322.9	322.9
87.5°	345.1	237.5	70.5	66.8	159.6	226.4	278.3	267.2	222.7	304.3	296.9
90°	352.6	252.4	74.2	66.8	170.7	230.1	278.3	263.5	215.2	274.6	274.6
92.5°	382.3	278.3	85.4	74.2	174.4	207.8	263.5	237.5	200.4	237.5	233.8
95°	415.7	311.7	100.2	85.4	152.2	152.2	207.8	193.0	170.7	181.8	181.8
97.5°	304.3	222.7	89.1	92.8	115.0	96.5	137.3	129.9	89.1	81.6	77.9
100°	89.1	74.2	81.6	89.1	81.6	70.5	103.9	100.2	59.4	29.7	29.7
102.5°	33.4	37.1	74.2	81.6	63.1	52.0	74.2	81.6	48.2	7.4	11.1
105°	29.7	26.0	52.0	63.1	37.1	29.7	37.1	52.0	29.7	7.4	7.4
107.5°	33.4	26.0	26.0	33.4	14.8	14.8	14.8	18.6	11.1	7.4	7.4



REPORT NUMBER: P561278

CATALOG NUMBER: SDL-PA1-90-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.4	26.0	14.8	14.8	11.1	11.1	7.4	7.4	11.1	18.6	18.6
115°	37.1	29.7	14.8	11.1	7.4	11.1	7.4	3.7	11.1	26.0	26.0
117.5°	44.5	33.4	11.1	11.1	7.4	7.4	7.4	3.7	11.1	33.4	37.1
120°	55.7	40.8	14.8	7.4	7.4	7.4	7.4	3.7	14.8	37.1	40.8
122.5°	55.7	44.5	14.8	7.4	7.4	3.7	3.7	7.4	14.8	37.1	40.8
125°	52.0	40.8	14.8	7.4	7.4	3.7	3.7	3.7	18.6	37.1	40.8
127.5°	40.8	37.1	14.8	7.4	3.7	3.7	3.7	7.4	14.8	33.4	33.4
130°	33.4	29.7	11.1	7.4	3.7	3.7	3.7	3.7	14.8	26.0	29.7
132.5°	26.0	22.3	11.1	7.4	3.7	3.7	3.7	3.7	14.8	26.0	26.0
135°	18.6	18.6	7.4	3.7	3.7	3.7	3.7	3.7	11.1	18.6	22.3
137.5°	7.4	7.4	7.4	3.7	3.7	3.7	3.7	3.7	7.4	11.1	11.1
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	7.4	7.4
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	7.4
145°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
150°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	7.4	7.4
155°	11.1	11.1	11.1	7.4	3.7	0.0	0.0	0.0	3.7	3.7	7.4
157.5°	3.7	3.7	3.7	3.7	3.7	3.7	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°	33.4	33.4	7.4	7.4	7.4	11.1	7.4	7.4	11.1	14.8	37.1
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110°	33.4	26.0	14.8	14.8	11.1	11.1	11.1	7.4	7.4	7.4	7.4
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