

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: P561264

Luminaire Tested: **SDL-PA1-90-740-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
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-T2U-A
Description: Springdale
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9717.9 lumens
Efficiency: N/A
Efficacy: 105.2 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: B3 - 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



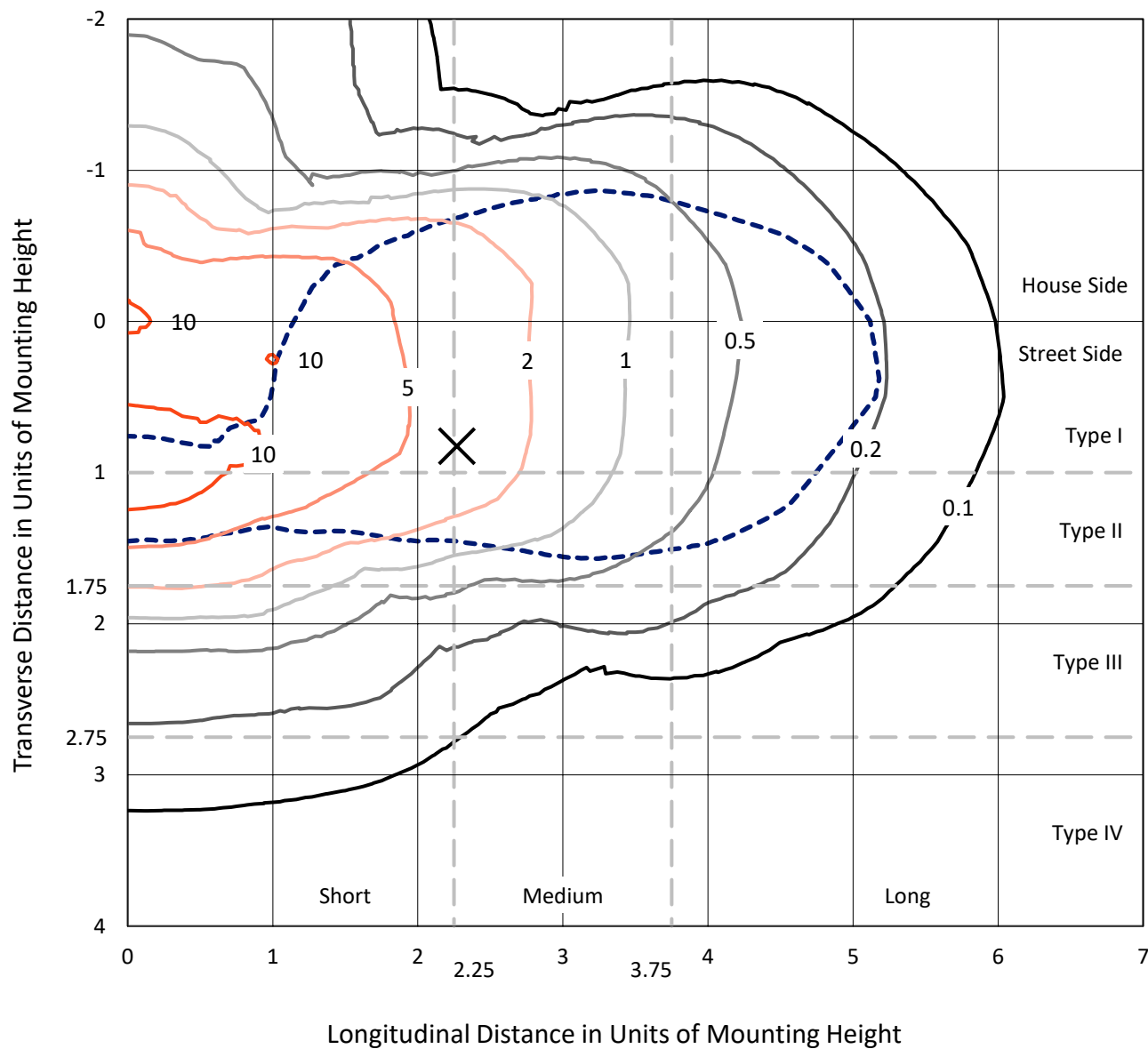
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



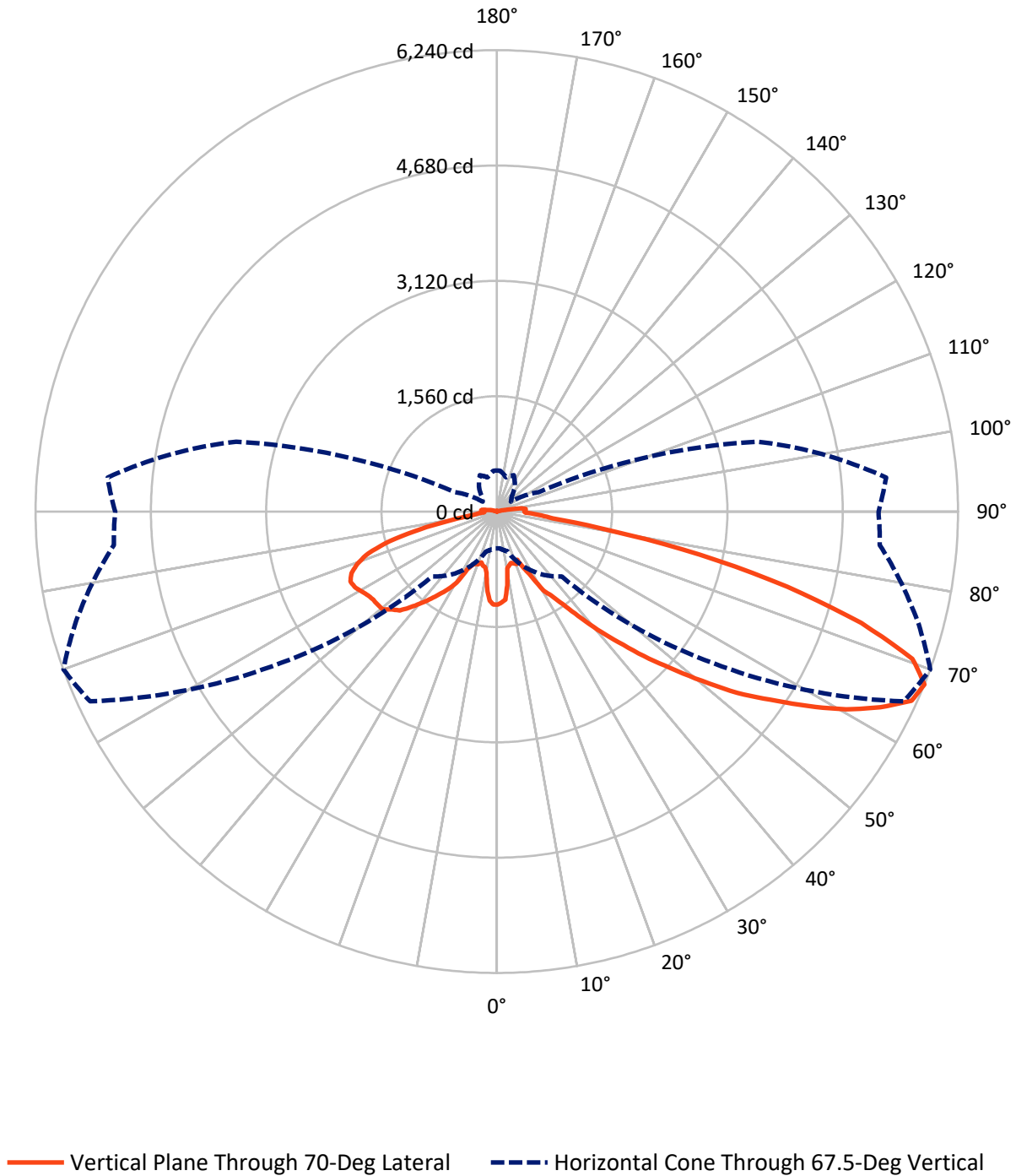
Based on 10 foot mounting height. Maximum calculated value = 16.2 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



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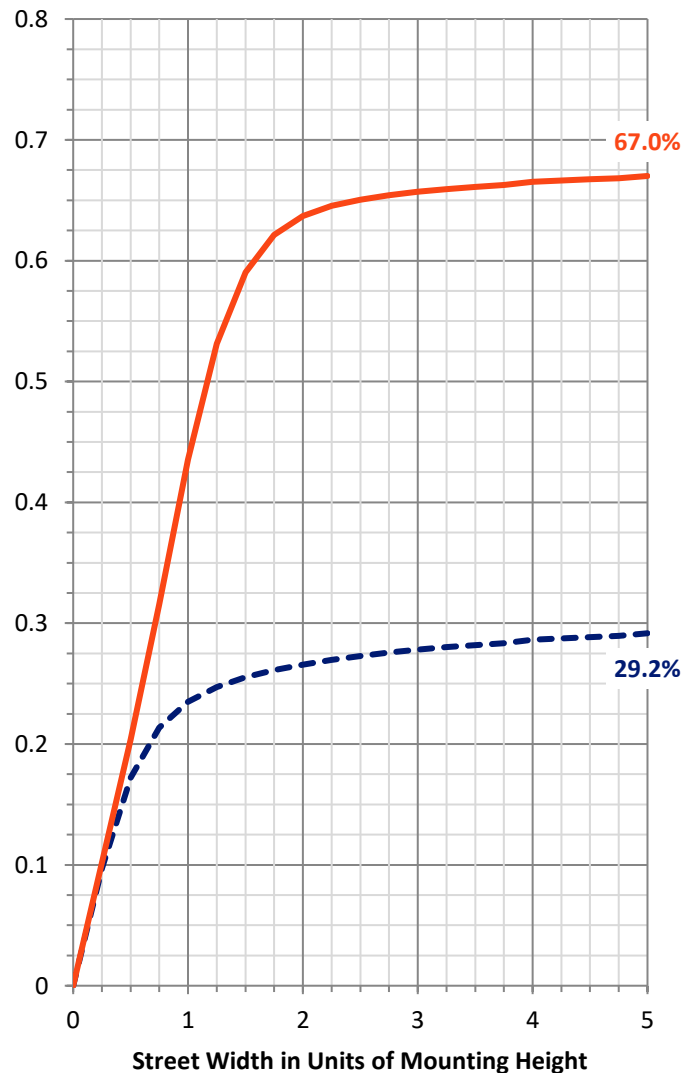
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2922.9	114.6	3037.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	6569.6	110.8	6680.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	9492.5	225.4	9717.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.8	1.0
10°-20°	233.1	2.4
20°-30°	413.6	4.3
30°-40°	871.5	9.0
40°-50°	1629.3	16.8
50°-60°	2256.5	23.2
60°-70°	2175.9	22.4
70°-80°	1430.5	14.7
80°-90°	381.2	3.9
90°-100°	156.4	1.6
100°-110°	34.2	0.4
110°-120°	14.7	0.2
120°-130°	10.6	0.1
130°-140°	4.8	0.0
140°-150°	2.5	0.0
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9492.5	97.7
0°-180°	9717.9	100.0



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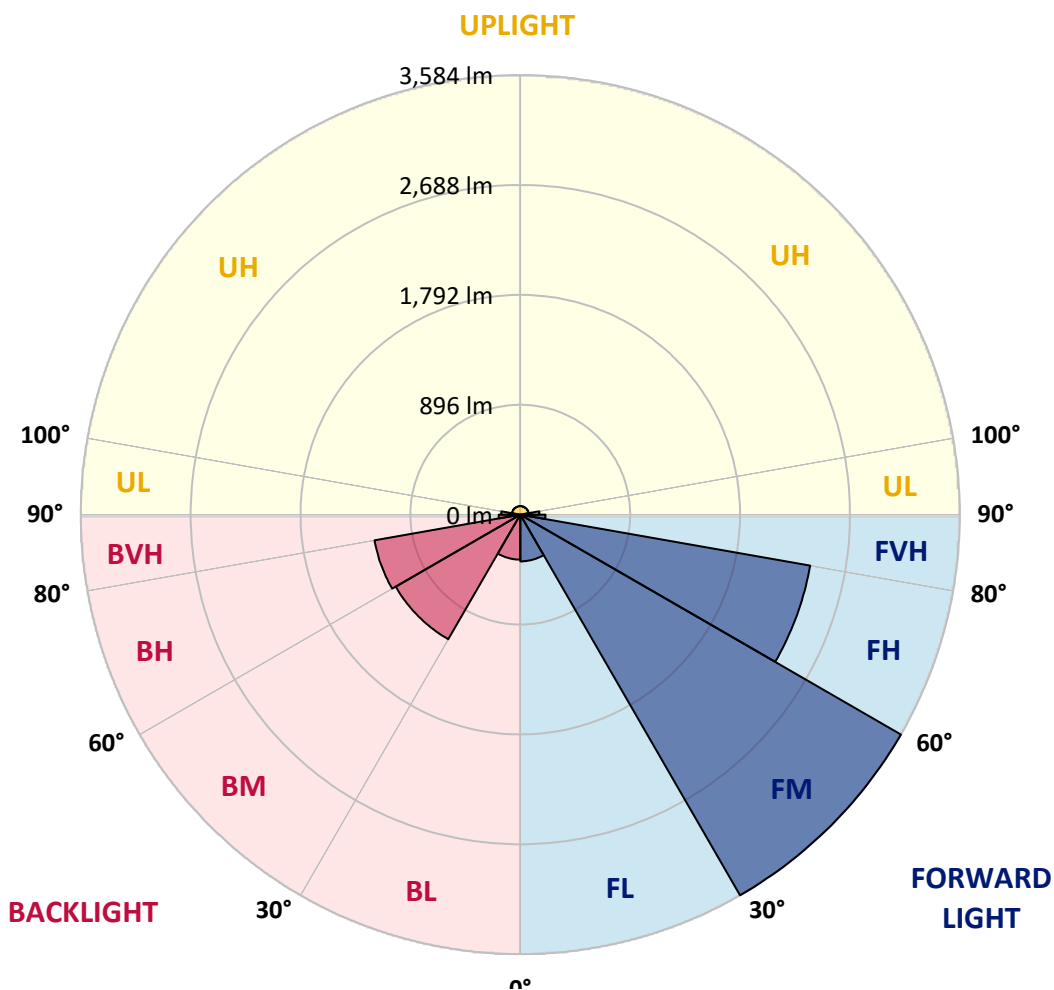
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.8	3.9			
FM	(30°-60°)	3583.9	36.9			
FH	(60°-80°)	2399.8	24.7			G2/5000
FVH	(80°-90°)	205.1	2.1			G2/225
BL	(0°-30°)	366.7	3.8	B1/500		
BM	(30°-60°)	1173.5	12.1	B2/2500		
BH	(60°-80°)	1206.6	12.4	B3/2500		G3/2500
BVH	(80°-90°)	176.1	1.8			G2/225
UL	(90°-100°)	156.4	1.6		U3/500	
UH	(100°-180°)	69.0	0.7		U3/500	

BUG Rating: B3-U3-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7
2.5°	1049.9	1135.2	1109.3	1190.9	1209.4	1228.0	1231.7	1235.4	1231.7	1235.4	1242.8
5°	990.6	994.3	998.0	1005.4	1005.4	1012.8	1027.7	1183.5	1198.3	1209.4	1224.3
7.5°	827.3	864.4	934.9	960.9	972.0	986.8	994.3	994.3	1009.1	1046.2	1072.2
10°	920.1	912.6	916.4	920.1	868.1	857.0	779.1	768.0	779.1	805.1	927.5
12.5°	771.7	808.8	886.7	905.2	842.2	745.7	734.6	749.4	745.7	671.5	786.5
15°	894.1	890.4	883.0	868.1	704.9	738.3	634.4	641.8	719.7	771.7	879.3
17.5°	779.1	775.4	879.3	849.6	742.0	575.0	723.4	671.5	734.6	678.9	727.1
20°	968.3	964.6	953.5	708.6	756.8	764.2	701.2	649.2	756.8	782.8	883.0
22.5°	879.3	879.3	949.7	931.2	768.0	808.8	667.8	790.2	708.6	719.7	667.8
25°	1209.4	1198.3	1183.5	864.4	923.8	742.0	827.3	727.1	845.9	916.4	960.9
27.5°	1172.3	1150.1	1135.2	1146.4	927.5	972.0	819.9	905.2	975.7	1005.4	1120.4
30°	1647.2	1617.5	1573.0	1202.0	1153.8	994.3	990.6	1120.4	1235.4	1328.2	1391.2
32.5°	2099.8	2107.3	1877.2	1613.8	1276.2	1328.2	1179.8	1313.3	1350.4	1446.9	1484.0
35°	2693.4	2619.2	2474.5	2014.5	1554.5	1502.5	1372.7	1498.8	1535.9	1628.7	1650.9
37.5°	3160.9	3164.6	2942.0	2422.6	1862.4	1817.9	1591.6	1721.4	1788.2	1892.1	1855.0
40°	3609.8	3628.3	3450.3	2841.8	2251.9	2129.5	1855.0	2007.1	2099.8	2162.9	2099.8
42.5°	4010.5	4006.7	3884.3	3305.6	2615.5	2545.0	2133.2	2329.8	2411.5	2470.8	2422.6
45°	4325.8	4314.7	4203.4	3684.0	3045.9	3142.3	2496.8	2700.8	2786.2	2853.0	2734.2
47.5°	4433.4	4374.0	4325.8	3958.5	3446.5	3669.1	2945.7	3060.7	3160.9	3275.9	3083.0
50°	4318.4	4240.5	4259.0	4088.4	3784.1	4110.6	3428.0	3476.2	3598.7	3698.8	3413.2
52.5°	3839.8	3821.2	3925.1	3958.5	3928.8	4448.2	3969.6	3832.4	4073.5	4084.7	3754.5
55°	3209.1	3186.8	3431.7	3569.0	3791.6	4581.8	4429.7	4333.2	4489.0	4470.5	4058.7
57.5°	2585.8	2571.0	2793.6	3019.9	3405.7	4507.6	4752.4	4882.3	4960.2	4856.3	4340.6
60°	1732.5	1762.2	2144.4	2448.6	2786.2	4062.4	4874.9	5394.3	5431.4	5208.8	4637.4
62.5°	1105.6	1146.4	1391.2	1888.4	2081.3	3298.1	4785.8	5850.6	5828.3	5527.8	4912.0
65°	708.6	723.4	842.2	1279.9	1491.4	2185.2	4388.9	6162.2	6165.9	5813.5	5130.9
67.5°	497.1	500.8	556.5	797.6	1031.4	1242.8	3569.0	6073.2	6240.1	5909.9	5201.3
70°	445.2	448.9	463.7	541.7	782.8	771.7	2162.9	5427.7	5965.6	5783.8	5093.8
72.5°	397.0	400.7	426.6	471.2	601.0	604.7	1035.1	4322.1	5156.8	5334.9	4774.7
75°	330.2	337.6	367.3	441.5	463.7	508.3	693.8	3038.4	4058.7	4596.6	4396.3
77.5°	278.2	282.0	304.2	374.7	404.4	411.8	593.6	1684.3	2804.7	3383.5	3873.2
80°	222.6	222.6	241.1	296.8	333.9	337.6	530.5	890.4	1554.5	2047.9	2693.4
82.5°	144.7	148.4	170.7	222.6	248.6	333.9	471.2	649.2	760.5	986.8	1224.3
85°	92.7	92.7	107.6	126.1	148.4	256.0	415.5	537.9	567.6	619.6	556.5
87.5°	44.5	44.5	40.8	48.2	55.6	96.5	289.4	382.1	385.8	378.4	408.1
90°	37.1	37.1	29.7	33.4	37.1	51.9	218.9	374.7	371.0	385.8	422.9
92.5°	40.8	40.8	29.7	33.4	37.1	44.5	159.5	378.4	389.5	408.1	448.9
95°	44.5	44.5	29.7	29.7	33.4	40.8	100.2	326.5	393.3	411.8	463.7
97.5°	40.8	40.8	22.3	26.0	29.7	37.1	63.1	244.9	307.9	322.8	367.3
100°	37.1	37.1	18.5	22.3	26.0	29.7	40.8	126.1	133.6	100.2	141.0
102.5°	33.4	37.1	14.8	18.5	18.5	18.5	26.0	59.4	59.4	33.4	37.1
105°	33.4	37.1	14.8	14.8	11.1	14.8	14.8	22.3	26.0	18.5	29.7
107.5°	37.1	37.1	14.8	14.8	11.1	11.1	11.1	14.8	18.5	14.8	29.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	22.3	22.3	11.1	14.8	7.4	7.4	7.4	11.1	14.8	18.5	40.8
115°	18.5	14.8	7.4	11.1	7.4	7.4	7.4	11.1	11.1	14.8	33.4
117.5°	18.5	14.8	7.4	7.4	3.7	7.4	7.4	11.1	11.1	14.8	29.7
120°	18.5	18.5	7.4	3.7	3.7	3.7	3.7	7.4	11.1	18.5	33.4
122.5°	22.3	18.5	7.4	7.4	3.7	3.7	3.7	7.4	11.1	18.5	33.4
125°	22.3	22.3	11.1	7.4	3.7	3.7	3.7	7.4	11.1	14.8	29.7
127.5°	22.3	18.5	11.1	7.4	3.7	3.7	3.7	3.7	7.4	11.1	26.0
130°	18.5	18.5	11.1	3.7	3.7	3.7	3.7	3.7	7.4	7.4	18.5
132.5°	14.8	14.8	11.1	3.7	3.7	3.7	3.7	3.7	3.7	7.4	14.8
135°	11.1	11.1	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	11.1
137.5°	7.4	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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°	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	0.0	3.7	3.7	3.7	3.7	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°	7.4	7.4	14.8	11.1	7.4	3.7	7.4	3.7	3.7	3.7	3.7
152.5°	11.1	11.1	14.8	11.1	3.7	3.7	3.7	7.4	3.7	3.7	3.7
155°	7.4	7.4	7.4	3.7	3.7	3.7	3.7	3.7	7.4	7.4	11.1
157.5°	0.0	0.0	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	3.7	3.7	3.7	3.7	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°	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7
2.5°	1246.5	1246.5	1257.7	1261.4	1257.7	1254.0	1231.7	1164.9	1124.1	1127.8	1127.8
5°	1228.0	1231.7	1242.8	1176.1	1094.4	1101.9	1113.0	1116.7	1116.7	1124.1	1124.1
7.5°	1083.3	1087.0	1057.3	1068.5	1094.4	1113.0	1120.4	1101.9	1042.5	1020.2	1020.2
10°	938.6	938.6	834.7	838.4	868.1	923.8	1098.1	1116.7	1135.2	1139.0	1135.2
12.5°	793.9	797.6	712.3	819.9	782.8	883.0	1012.8	1120.4	1035.1	949.7	960.9
15°	886.7	894.1	801.3	704.9	723.4	871.8	756.8	1038.8	1046.2	1046.2	1046.2
17.5°	712.3	753.1	708.6	727.1	801.3	656.7	857.0	949.7	871.8	849.6	849.6
20°	886.7	886.7	808.8	701.2	742.0	853.3	760.5	845.9	994.3	994.3	990.6
22.5°	660.4	660.4	708.6	812.5	745.7	842.2	805.1	875.5	790.2	790.2	812.5
25°	953.5	942.3	860.7	719.7	849.6	779.1	808.8	764.2	894.1	905.2	897.8
27.5°	1150.1	1142.7	923.8	827.3	797.6	831.0	727.1	712.3	686.3	790.2	779.1
30°	1361.6	1343.0	1209.4	998.0	875.5	701.2	656.7	682.6	756.8	760.5	756.8
32.5°	1461.7	1420.9	1272.5	1194.6	894.1	723.4	589.9	608.4	753.1	797.6	797.6
35°	1599.0	1554.5	1387.5	1302.2	890.4	638.1	523.1	589.9	678.9	682.6	682.6
37.5°	1788.2	1721.4	1580.4	1365.3	831.0	563.9	482.3	523.1	586.2	604.7	612.1
40°	2007.1	1921.8	1795.6	1406.1	745.7	474.9	430.4	482.3	530.5	515.7	515.7
42.5°	2315.0	2188.9	2007.1	1469.1	638.1	419.2	393.3	441.5	474.9	482.3	478.6
45°	2604.4	2448.6	2255.6	1491.4	519.4	378.4	367.3	419.2	452.6	441.5	441.5
47.5°	2930.9	2734.2	2441.1	1439.5	426.6	356.2	367.3	404.4	419.2	437.8	437.8
50°	3253.6	3042.2	2712.0	1357.8	378.4	341.3	367.3	389.5	419.2	430.4	426.6
52.5°	3546.7	3361.2	2875.2	1213.2	352.4	330.2	356.2	389.5	426.6	445.2	445.2
55°	3865.8	3676.6	3023.6	1083.3	330.2	307.9	367.3	404.4	415.5	426.6	426.6
57.5°	4106.9	3958.5	3186.8	968.3	315.3	307.9	374.7	422.9	419.2	430.4	430.4
60°	4400.0	4270.2	3335.2	912.6	293.1	293.1	389.5	456.3	426.6	460.0	460.0
62.5°	4711.6	4633.7	3479.9	871.8	270.8	285.7	393.3	482.3	441.5	493.4	497.1
65°	5012.1	5027.0	3613.5	775.4	252.3	285.7	400.7	515.7	456.3	523.1	530.5
67.5°	5164.2	5286.7	3650.6	623.3	233.7	282.0	422.9	541.7	478.6	552.8	556.5
70°	5134.6	5294.1	3565.3	460.0	218.9	296.8	456.3	563.9	489.7	589.9	589.9
72.5°	4874.9	4989.9	3313.0	348.7	204.0	285.7	463.7	571.3	497.1	649.2	649.2
75°	4507.6	4388.9	2726.8	289.4	192.9	285.7	452.6	563.9	489.7	634.4	630.7
77.5°	3910.3	3513.3	1880.9	256.0	181.8	274.5	422.9	549.1	467.5	589.9	597.3
80°	2507.9	2162.9	960.9	222.6	192.9	263.4	408.1	508.3	434.1	526.8	530.5
82.5°	1142.7	960.9	437.8	196.6	189.2	237.4	371.0	452.6	378.4	448.9	445.2
85°	482.3	489.7	345.0	166.9	166.9	185.5	274.5	352.4	293.1	315.3	307.9
87.5°	374.7	359.9	237.4	100.2	107.6	81.6	178.1	252.3	192.9	204.0	200.3
90°	397.0	389.5	252.3	103.9	77.9	48.2	133.6	196.6	144.7	129.8	126.1
92.5°	422.9	419.2	282.0	111.3	77.9	40.8	115.0	159.5	103.9	89.0	85.3
95°	452.6	452.6	307.9	118.7	77.9	40.8	103.9	122.4	77.9	59.4	55.6
97.5°	359.9	367.3	263.4	122.4	74.2	40.8	92.7	100.2	59.4	33.4	33.4
100°	144.7	159.5	144.7	122.4	66.8	33.4	74.2	77.9	40.8	18.5	18.5
102.5°	33.4	40.8	100.2	107.6	51.9	22.3	48.2	48.2	26.0	11.1	11.1
105°	33.4	29.7	66.8	85.3	29.7	14.8	22.3	29.7	14.8	7.4	7.4
107.5°	33.4	33.4	29.7	40.8	14.8	11.1	11.1	11.1	7.4	7.4	7.4



REPORT NUMBER: P561264

CATALOG NUMBER: SDL-PA1-90-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	44.5	40.8	18.5	14.8	11.1	11.1	7.4	7.4	11.1	37.1	37.1
115°	37.1	33.4	18.5	11.1	11.1	11.1	7.4	3.7	11.1	40.8	40.8
117.5°	33.4	29.7	18.5	11.1	7.4	11.1	7.4	3.7	11.1	40.8	40.8
120°	37.1	33.4	18.5	11.1	7.4	7.4	7.4	3.7	11.1	37.1	37.1
122.5°	37.1	37.1	22.3	7.4	7.4	3.7	7.4	3.7	11.1	33.4	33.4
125°	33.4	29.7	18.5	7.4	3.7	3.7	3.7	3.7	14.8	29.7	33.4
127.5°	29.7	26.0	14.8	7.4	3.7	3.7	3.7	3.7	11.1	22.3	26.0
130°	22.3	22.3	11.1	7.4	3.7	3.7	3.7	3.7	11.1	22.3	18.5
132.5°	14.8	14.8	11.1	7.4	3.7	3.7	3.7	3.7	11.1	14.8	14.8
135°	11.1	11.1	7.4	3.7	3.7	3.7	3.7	3.7	7.4	11.1	11.1
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4
140°	3.7	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	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	3.7	3.7	3.7	3.7	7.4	3.7	3.7	7.4	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	7.4	3.7	3.7	3.7	3.7	11.1	11.1	7.4
155°	11.1	11.1	7.4	3.7	3.7	3.7	3.7	3.7	7.4	3.7	3.7
157.5°	3.7	3.7	3.7	3.7	3.7	0.0	3.7	0.0	0.0	3.7	0.0
160°	0.0	0.0	3.7	3.7	3.7	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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110°	33.4	33.4	11.1	14.8	7.4	7.4	7.4	11.1	14.8	33.4
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110°	37.1	33.4	14.8	14.8	11.1	11.1	7.4	7.4	3.7	22.3	26.0
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(END OF REPORT)