

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: P559856

Luminaire Tested: **SDL-PA1-100-740-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559856
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-PA1-100-740-U-T2U-A
Description: Springdale
(1) 70 CRI, 4000K, 1200mA 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: 9807.2 lumens
Efficiency: N/A
Efficacy: 104.6 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): 93.8
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



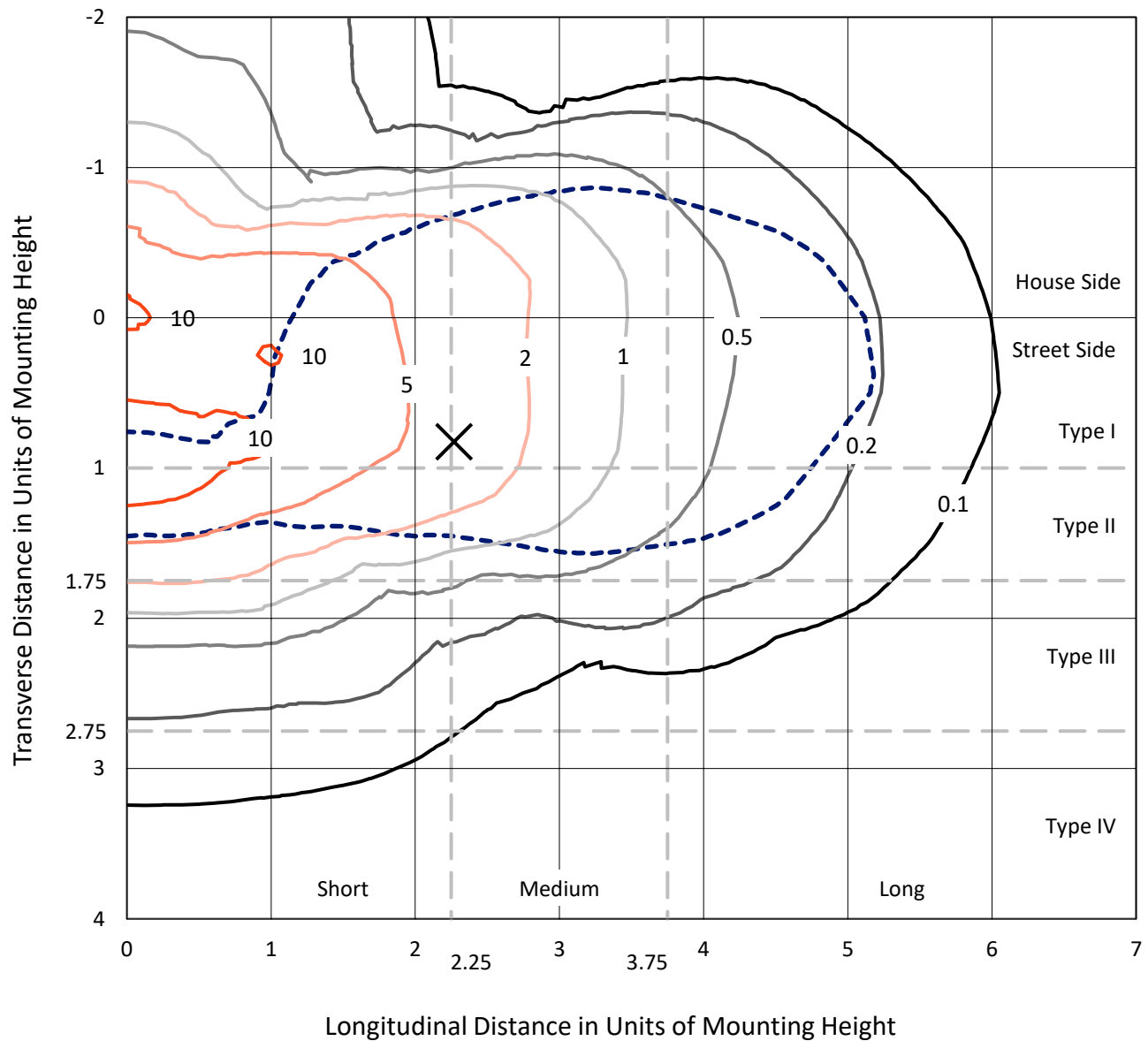
REPORT NUMBER: P559856

CATALOG NUMBER: SDL-PA1-100-740-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

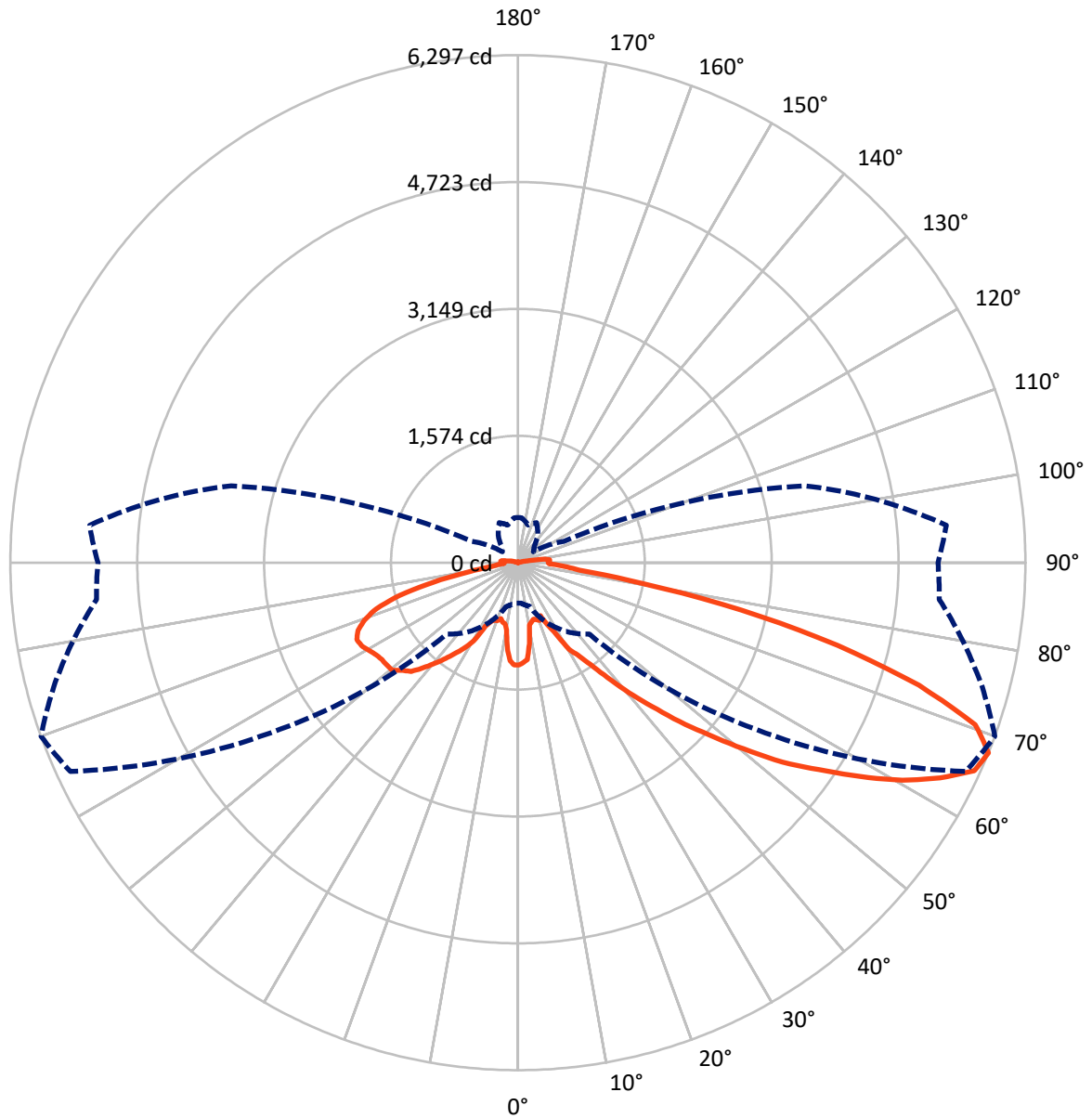


Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P559856

CATALOG NUMBER: SDL-PA1-100-740-U-T2U-A

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P559856

CATALOG NUMBER: SDL-PA1-100-740-U-T2U-A

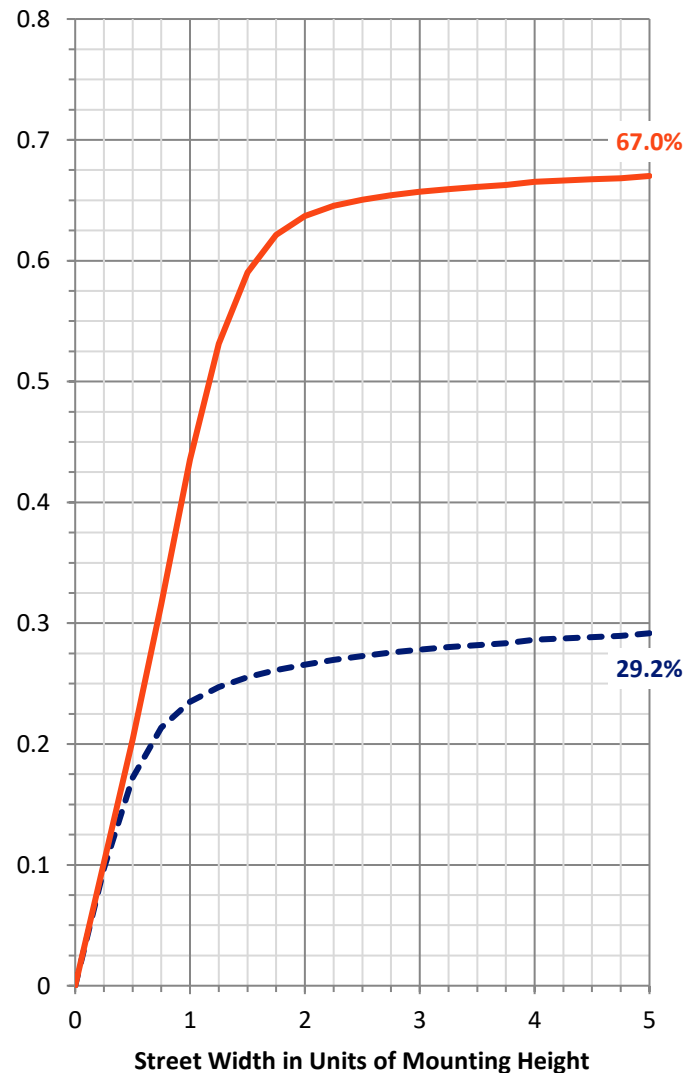
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2949.8	115.6	3065.4
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	6629.9	111.8	6741.7
	% Fixture	67.6	1.1	68.7
Total	Lumens	9579.7	227.4	9807.2
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	1.0
10°-20°	235.3	2.4
20°-30°	417.4	4.3
30°-40°	879.5	9.0
40°-50°	1644.3	16.8
50°-60°	2277.3	23.2
60°-70°	2195.9	22.4
70°-80°	1443.6	14.7
80°-90°	384.7	3.9
90°-100°	157.8	1.6
100°-110°	34.5	0.4
110°-120°	14.9	0.2
120°-130°	10.7	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°	9579.7	97.7
0°-180°	9807.2	100.0



REPORT NUMBER: P559856

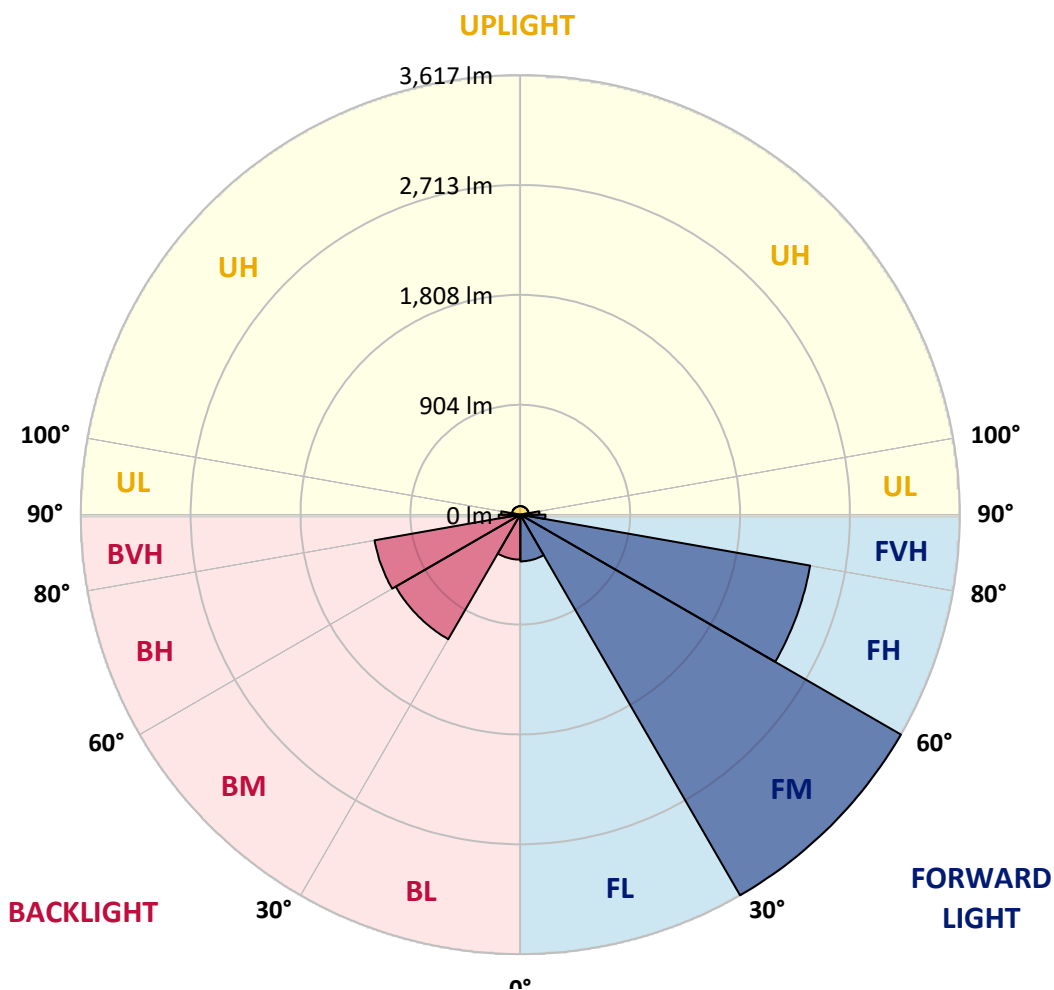
CATALOG NUMBER: SDL-PA1-100-740-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	384.3	3.9			
FM	(30°-60°)	3616.8	36.9			
FH	(60°-80°)	2421.8	24.7			G2/5000
FVH	(80°-90°)	207.0	2.1			G2/225
BL	(0°-30°)	370.1	3.8	B1/500		
BM	(30°-60°)	1184.3	12.1	B2/2500		
BH	(60°-80°)	1217.7	12.4	B3/2500		G3/2500
BVH	(80°-90°)	177.7	1.8			G2/225
UL	(90°-100°)	157.8	1.6		U3/500	
UH	(100°-180°)	69.7	0.7		U3/500	

BUG Rating: B3-U3-G3

Type II Medium





REPORT NUMBER: P559856

CATALOG NUMBER: SDL-PA1-100-740-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2
2.5°	1059.6	1145.7	1119.5	1201.8	1220.5	1239.3	1243.0	1246.8	1243.0	1246.8	1254.2
5°	999.7	1003.4	1007.1	1014.6	1014.6	1022.1	1037.1	1194.3	1209.3	1220.5	1235.5
7.5°	834.9	872.4	943.5	969.7	980.9	995.9	1003.4	1003.4	1018.4	1055.8	1082.0
10°	928.5	921.0	924.8	928.5	876.1	864.9	786.2	775.0	786.2	812.5	936.0
12.5°	778.8	816.2	894.8	913.5	849.9	752.5	741.3	756.3	752.5	677.7	793.7
15°	902.3	898.6	891.1	876.1	711.4	745.1	640.2	647.7	726.3	778.8	887.3
17.5°	786.2	782.5	887.3	857.4	748.8	580.3	730.1	677.7	741.3	685.2	733.8
20°	977.2	973.4	962.2	715.1	763.8	771.3	707.6	655.2	763.8	790.0	891.1
22.5°	887.3	887.3	958.5	939.7	775.0	816.2	673.9	797.5	715.1	726.3	673.9
25°	1220.5	1209.3	1194.3	872.4	932.3	748.8	834.9	733.8	853.6	924.8	969.7
27.5°	1183.1	1160.6	1145.7	1156.9	936.0	980.9	827.4	913.5	984.7	1014.6	1130.7
30°	1662.3	1632.4	1587.5	1213.1	1164.4	1003.4	999.7	1130.7	1246.8	1340.4	1404.0
32.5°	2119.1	2126.6	1894.5	1628.6	1287.9	1340.4	1190.6	1325.4	1362.8	1460.2	1497.6
35°	2718.2	2643.3	2497.3	2033.0	1568.7	1516.3	1385.3	1512.6	1550.0	1643.6	1666.1
37.5°	3189.9	3193.6	2969.0	2444.8	1879.5	1834.6	1606.2	1737.2	1804.6	1909.4	1872.0
40°	3642.9	3661.6	3481.9	2867.9	2272.6	2149.1	1872.0	2025.5	2119.1	2182.8	2119.1
42.5°	4047.3	4043.5	3920.0	3335.9	2639.5	2568.4	2152.8	2351.2	2433.6	2493.5	2444.8
45°	4365.5	4354.3	4242.0	3717.8	3073.8	3171.2	2519.7	2725.6	2811.8	2879.1	2759.3
47.5°	4474.1	4414.2	4365.5	3994.9	3478.2	3702.8	2972.7	3088.8	3189.9	3306.0	3111.3
50°	4358.0	4279.4	4298.1	4125.9	3818.9	4148.4	3459.5	3508.1	3631.7	3732.8	3444.5
52.5°	3875.1	3856.3	3961.2	3994.9	3964.9	4489.1	4006.1	3867.6	4110.9	4122.2	3788.9
55°	3238.6	3216.1	3463.2	3601.7	3826.4	4623.9	4470.4	4373.0	4530.3	4511.5	4096.0
57.5°	2609.6	2594.6	2819.2	3047.6	3437.0	4549.0	4796.1	4927.1	5005.7	4900.9	4380.5
60°	1748.5	1778.4	2164.0	2471.0	2811.8	4099.7	4919.6	5443.8	5481.2	5256.6	4680.0
62.5°	1115.7	1156.9	1404.0	1905.7	2100.4	3328.4	4829.8	5904.3	5881.8	5578.6	4957.1
65°	715.1	730.1	849.9	1291.7	1505.1	2205.2	4429.2	6218.8	6222.6	5866.9	5178.0
67.5°	501.7	505.4	561.6	805.0	1040.8	1254.2	3601.7	6129.0	6297.4	5964.2	5249.1
70°	449.3	453.0	468.0	546.6	790.0	778.8	2182.8	5477.5	6020.4	5836.9	5140.5
72.5°	400.6	404.4	430.6	475.5	606.5	610.3	1044.6	4361.8	5204.2	5383.9	4818.5
75°	333.2	340.7	370.7	445.5	468.0	512.9	700.1	3066.3	4096.0	4638.8	4436.7
77.5°	280.8	284.5	307.0	378.1	408.1	415.6	599.0	1699.8	2830.5	3414.5	3908.8
80°	224.6	224.6	243.4	299.5	337.0	340.7	535.4	898.6	1568.7	2066.7	2718.2
82.5°	146.0	149.8	172.2	224.6	250.8	337.0	475.5	655.2	767.5	995.9	1235.5
85°	93.6	93.6	108.6	127.3	149.8	258.3	419.3	542.9	572.8	625.3	561.6
87.5°	44.9	44.9	41.2	48.7	56.2	97.3	292.0	385.6	389.4	381.9	411.8
90°	37.4	37.4	30.0	33.7	37.4	52.4	220.9	378.1	374.4	389.4	426.8
92.5°	41.2	41.2	30.0	33.7	37.4	44.9	161.0	381.9	393.1	411.8	453.0
95°	44.9	44.9	30.0	30.0	33.7	41.2	101.1	329.5	396.9	415.6	468.0
97.5°	41.2	41.2	22.5	26.2	30.0	37.4	63.6	247.1	310.8	325.7	370.7
100°	37.4	37.4	18.7	22.5	26.2	30.0	41.2	127.3	134.8	101.1	142.3
102.5°	33.7	37.4	15.0	18.7	18.7	18.7	26.2	59.9	59.9	33.7	37.4
105°	33.7	37.4	15.0	15.0	11.2	15.0	15.0	22.5	26.2	18.7	30.0
107.5°	37.4	37.4	15.0	15.0	11.2	11.2	11.2	15.0	18.7	15.0	30.0



REPORT NUMBER: P559856

CATALOG NUMBER: SDL-PA1-100-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	22.5	22.5	11.2	15.0	7.5	7.5	7.5	11.2	15.0	18.7	41.2
115°	18.7	15.0	7.5	11.2	7.5	7.5	7.5	11.2	11.2	15.0	33.7
117.5°	18.7	15.0	7.5	7.5	3.7	7.5	7.5	11.2	11.2	15.0	30.0
120°	18.7	18.7	7.5	3.7	3.7	3.7	3.7	7.5	11.2	18.7	33.7
122.5°	22.5	18.7	7.5	7.5	3.7	3.7	3.7	7.5	11.2	18.7	33.7
125°	22.5	22.5	11.2	7.5	3.7	3.7	3.7	7.5	11.2	15.0	30.0
127.5°	22.5	18.7	11.2	7.5	3.7	3.7	3.7	3.7	7.5	11.2	26.2
130°	18.7	18.7	11.2	3.7	3.7	3.7	3.7	3.7	7.5	7.5	18.7
132.5°	15.0	15.0	11.2	3.7	3.7	3.7	3.7	3.7	3.7	7.5	15.0
135°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	11.2
137.5°	7.5	7.5	7.5	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	7.5	7.5	3.7	3.7	3.7	3.7	3.7	3.7
150°	7.5	7.5	15.0	11.2	7.5	3.7	7.5	3.7	3.7	3.7	3.7
152.5°	11.2	11.2	15.0	11.2	3.7	3.7	3.7	7.5	3.7	3.7	3.7
155°	7.5	7.5	7.5	3.7	3.7	3.7	3.7	3.7	7.5	7.5	11.2
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



REPORT NUMBER: P559856

CATALOG NUMBER: SDL-PA1-100-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2	1269.2
2.5°	1258.0	1258.0	1269.2	1273.0	1269.2	1265.5	1243.0	1175.6	1134.4	1138.2	1138.2
5°	1239.3	1243.0	1254.2	1186.9	1104.5	1112.0	1123.2	1126.9	1126.9	1134.4	1134.4
7.5°	1093.3	1097.0	1067.0	1078.3	1104.5	1123.2	1130.7	1112.0	1052.1	1029.6	1029.6
10°	947.2	947.2	842.4	846.1	876.1	932.3	1108.2	1126.9	1145.7	1149.4	1145.7
12.5°	801.2	805.0	718.9	827.4	790.0	891.1	1022.1	1130.7	1044.6	958.5	969.7
15°	894.8	902.3	808.7	711.4	730.1	879.8	763.8	1048.3	1055.8	1055.8	1055.8
17.5°	718.9	760.0	715.1	733.8	808.7	662.7	864.9	958.5	879.8	857.4	857.4
20°	894.8	894.8	816.2	707.6	748.8	861.1	767.5	853.6	1003.4	1003.4	999.7
22.5°	666.4	666.4	715.1	819.9	752.5	849.9	812.5	883.6	797.5	797.5	819.9
25°	962.2	951.0	868.6	726.3	857.4	786.2	816.2	771.3	902.3	913.5	906.1
27.5°	1160.6	1153.2	932.3	834.9	805.0	838.7	733.8	718.9	692.6	797.5	786.2
30°	1374.1	1355.3	1220.5	1007.1	883.6	707.6	662.7	688.9	763.8	767.5	763.8
32.5°	1475.1	1434.0	1284.2	1205.6	902.3	730.1	595.3	614.0	760.0	805.0	805.0
35°	1613.7	1568.7	1400.3	1314.1	898.6	644.0	527.9	595.3	685.2	688.9	688.9
37.5°	1804.6	1737.2	1595.0	1377.8	838.7	569.1	486.7	527.9	591.6	610.3	617.8
40°	2025.5	1939.4	1812.1	1419.0	752.5	479.2	434.3	486.7	535.4	520.4	520.4
42.5°	2336.3	2209.0	2025.5	1482.6	644.0	423.1	396.9	445.5	479.2	486.7	483.0
45°	2628.3	2471.0	2276.4	1505.1	524.2	381.9	370.7	423.1	456.8	445.5	445.5
47.5°	2957.8	2759.3	2463.6	1452.7	430.6	359.4	370.7	408.1	423.1	441.8	441.8
50°	3283.5	3070.1	2736.9	1370.3	381.9	344.4	370.7	393.1	423.1	434.3	430.6
52.5°	3579.3	3392.1	2901.6	1224.3	355.7	333.2	359.4	393.1	430.6	449.3	449.3
55°	3901.3	3710.3	3051.4	1093.3	333.2	310.8	370.7	408.1	419.3	430.6	430.6
57.5°	4144.6	3994.9	3216.1	977.2	318.2	310.8	378.1	426.8	423.1	434.3	434.3
60°	4440.4	4309.4	3365.9	921.0	295.8	295.8	393.1	460.5	430.6	464.3	464.3
62.5°	4754.9	4676.3	3511.9	879.8	273.3	288.3	396.9	486.7	445.5	498.0	501.7
65°	5058.2	5073.1	3646.7	782.5	254.6	288.3	404.4	520.4	460.5	527.9	535.4
67.5°	5211.7	5335.2	3684.1	629.0	235.9	284.5	426.8	546.6	483.0	557.9	561.6
70°	5181.7	5342.7	3598.0	464.3	220.9	299.5	460.5	569.1	494.2	595.3	595.3
72.5°	4919.6	5035.7	3343.4	351.9	205.9	288.3	468.0	576.6	501.7	655.2	655.2
75°	4549.0	4429.2	2751.9	292.0	194.7	288.3	456.8	569.1	494.2	640.2	636.5
77.5°	3946.2	3545.6	1898.2	258.3	183.5	277.1	426.8	554.1	471.7	595.3	602.8
80°	2531.0	2182.8	969.7	224.6	194.7	265.8	411.8	512.9	438.0	531.7	535.4
82.5°	1153.2	969.7	441.8	198.4	190.9	239.6	374.4	456.8	381.9	453.0	449.3
85°	486.7	494.2	348.2	168.5	168.5	187.2	277.1	355.7	295.8	318.2	310.8
87.5°	378.1	363.2	239.6	101.1	108.6	82.4	179.7	254.6	194.7	205.9	202.2
90°	400.6	393.1	254.6	104.8	78.6	48.7	134.8	198.4	146.0	131.0	127.3
92.5°	426.8	423.1	284.5	112.3	78.6	41.2	116.1	161.0	104.8	89.9	86.1
95°	456.8	456.8	310.8	119.8	78.6	41.2	104.8	123.6	78.6	59.9	56.2
97.5°	363.2	370.7	265.8	123.6	74.9	41.2	93.6	101.1	59.9	33.7	33.7
100°	146.0	161.0	146.0	123.6	67.4	33.7	74.9	78.6	41.2	18.7	18.7
102.5°	33.7	41.2	101.1	108.6	52.4	22.5	48.7	48.7	26.2	11.2	11.2
105°	33.7	30.0	67.4	86.1	30.0	15.0	22.5	30.0	15.0	7.5	7.5
107.5°	33.7	33.7	30.0	41.2	15.0	11.2	11.2	11.2	7.5	7.5	7.5



REPORT NUMBER: P559856

CATALOG NUMBER: SDL-PA1-100-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	44.9	41.2	18.7	15.0	11.2	11.2	7.5	7.5	11.2	37.4	37.4
115°	37.4	33.7	18.7	11.2	11.2	11.2	7.5	3.7	11.2	41.2	41.2
117.5°	33.7	30.0	18.7	11.2	7.5	11.2	7.5	3.7	11.2	41.2	41.2
120°	37.4	33.7	18.7	11.2	7.5	7.5	7.5	3.7	11.2	37.4	37.4
122.5°	37.4	37.4	22.5	7.5	7.5	3.7	7.5	3.7	11.2	33.7	33.7
125°	33.7	30.0	18.7	7.5	3.7	3.7	3.7	3.7	15.0	30.0	33.7
127.5°	30.0	26.2	15.0	7.5	3.7	3.7	3.7	3.7	11.2	22.5	26.2
130°	22.5	22.5	11.2	7.5	3.7	3.7	3.7	3.7	11.2	22.5	18.7
132.5°	15.0	15.0	11.2	7.5	3.7	3.7	3.7	3.7	11.2	15.0	15.0
135°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	3.7	7.5	11.2	11.2
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5
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	7.5	3.7	3.7	7.5	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	7.5	3.7	3.7	3.7	3.7	11.2	11.2	7.5
155°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	3.7	7.5	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



Report Generated By 670245982



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110°	33.7	33.7	11.2	15.0	7.5	7.5	7.5	11.2	15.0	33.7
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110°	37.4	33.7	15.0	15.0	11.2	11.2	7.5	7.5	3.7	22.5	26.2
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(END OF REPORT)