

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: P559861

Luminaire Tested: **SDL-PA1-100-740-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
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-T3-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7197.1 lumens
Efficiency: N/A
Efficacy: 76.7 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 - G2

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

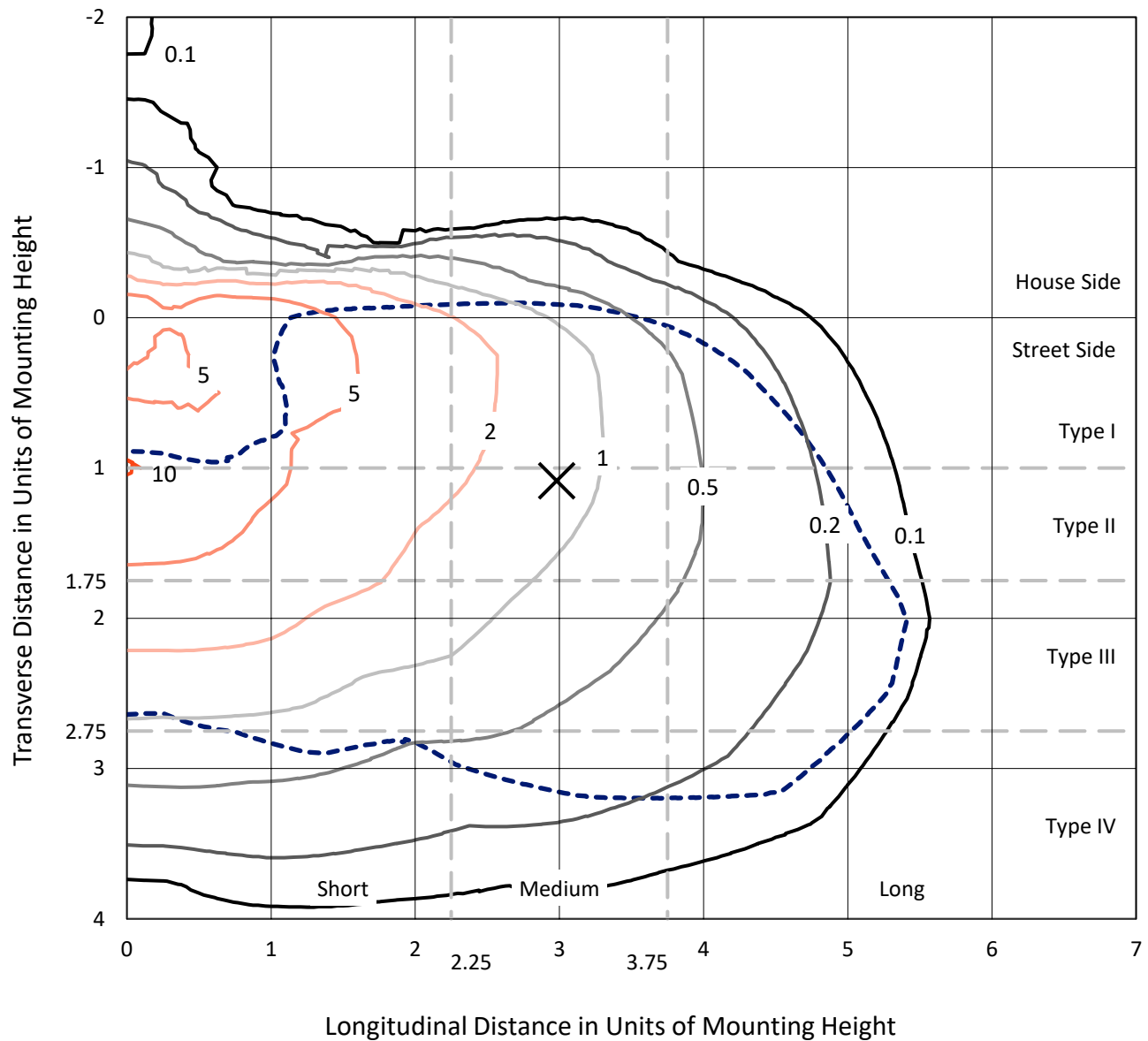


REPORT NUMBER: P559861

CATALOG NUMBER: SDL-PA1-100-740-U-T3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

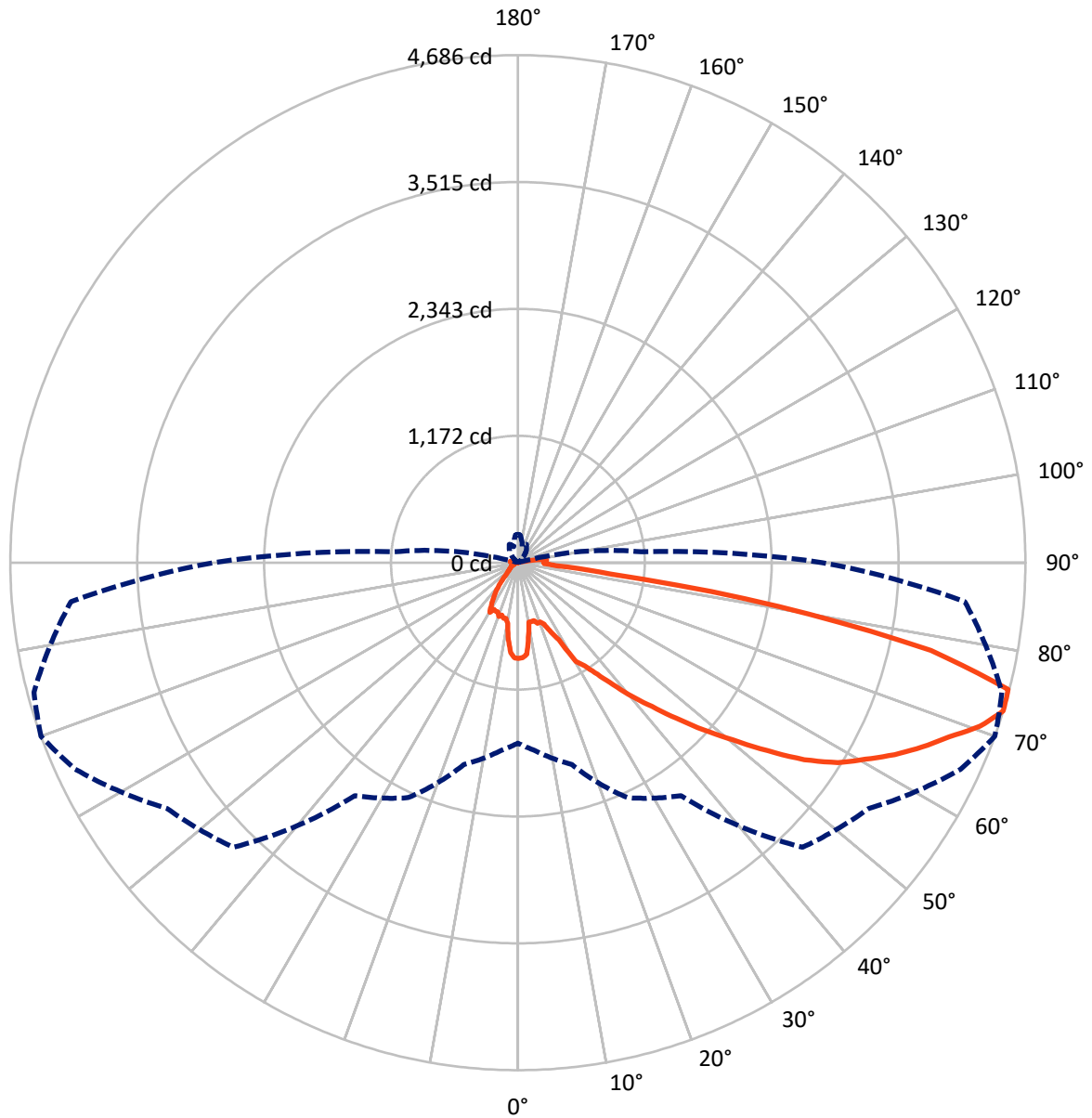
✕ Max cd
 --- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P559861
CATALOG NUMBER: SDL-PA1-100-740-U-T3-HSS-A

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P559861

CATALOG NUMBER: SDL-PA1-100-740-U-T3-HSS-A

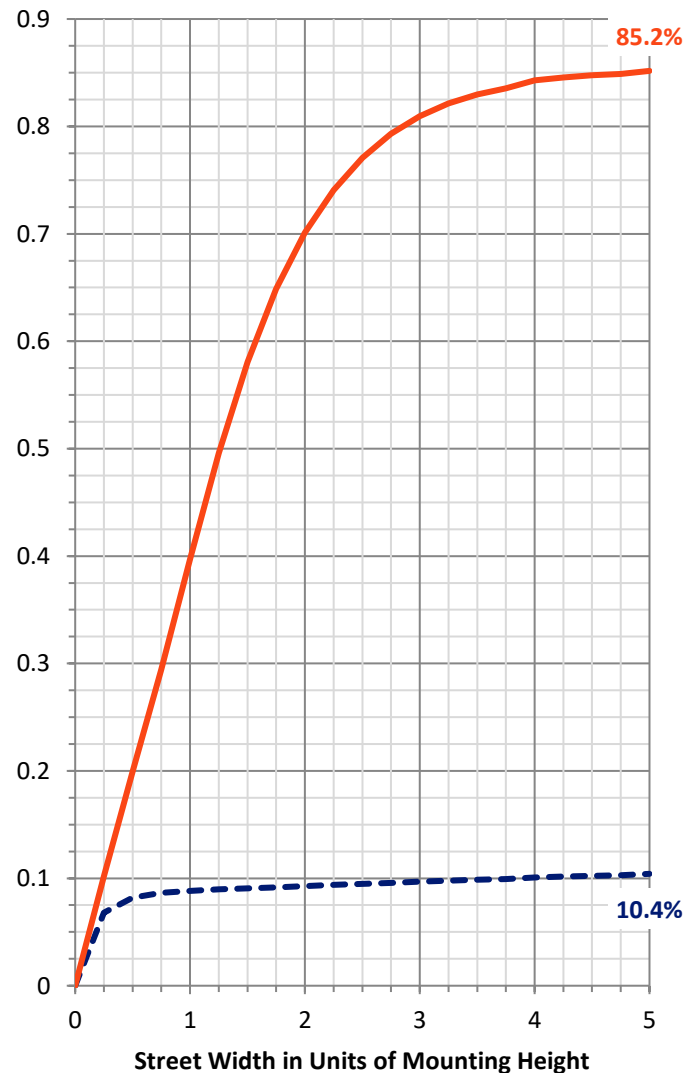
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	825.0	116.0	941.0
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	6162.2	93.8	6256.1
	% Fixture	85.6	1.3	86.9
Total	Lumens	6987.2	209.9	7197.1
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	0.9
10°-20°	134.8	1.9
20°-30°	218.3	3.0
30°-40°	466.5	6.5
40°-50°	917.1	12.7
50°-60°	1531.5	21.3
60°-70°	1900.7	26.4
70°-80°	1463.9	20.3
80°-90°	286.2	4.0
90°-100°	155.3	2.2
100°-110°	32.1	0.4
110°-120°	9.1	0.1
120°-130°	7.0	0.1
130°-140°	3.3	0.0
140°-150°	1.5	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6987.2	97.1
0°-180°	7197.1	100.0



REPORT NUMBER: P559861

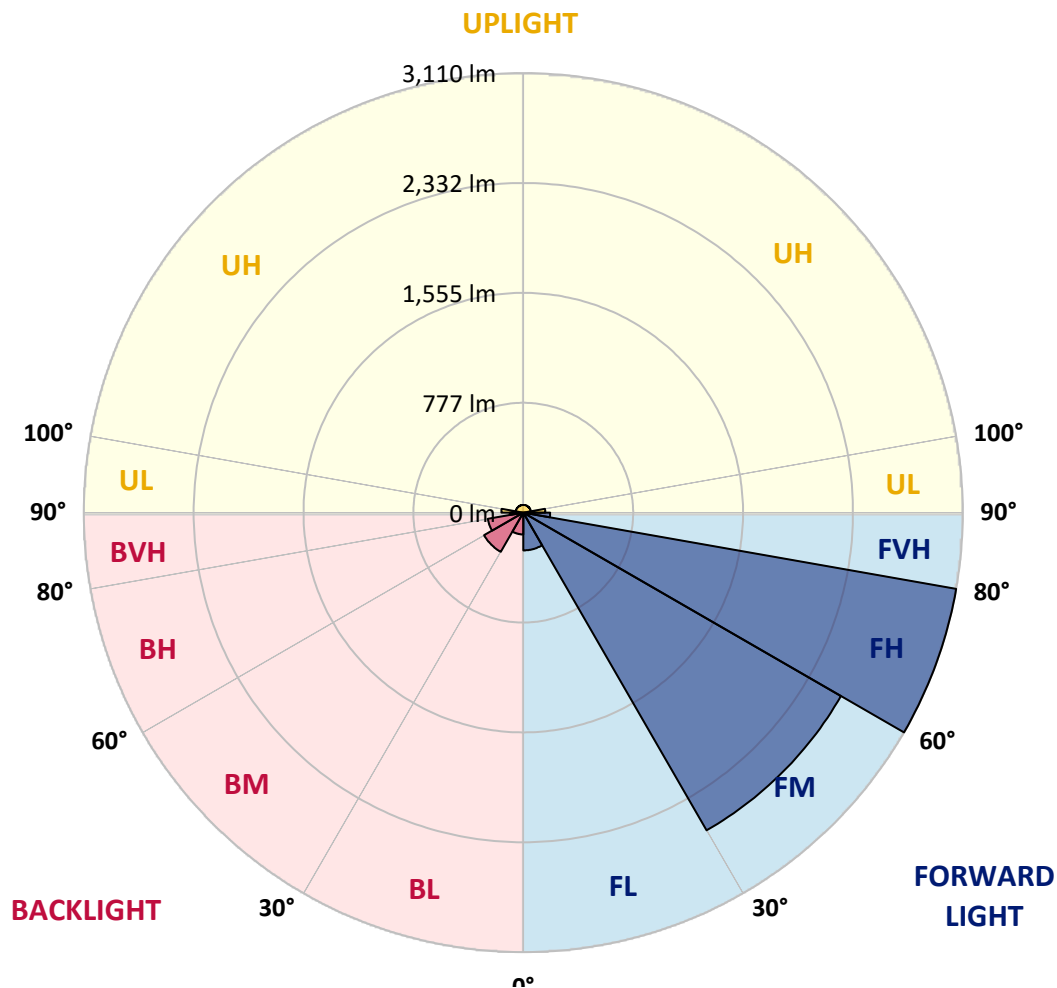
CATALOG NUMBER: SDL-PA1-100-740-U-T3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.0	3.7			
FM	(30°-60°)	2595.2	36.1			
FH	(60°-80°)	3109.6	43.2			G2/5000
FVH	(80°-90°)	190.5	2.6			G2/225
BL	(0°-30°)	154.3	2.1	B1/500		
BM	(30°-60°)	319.9	4.4	B1/1000		
BH	(60°-80°)	255.0	3.5	B1/500		G1/500
BVH	(80°-90°)	95.8	1.3			G1/100
UL	(90°-100°)	155.3	2.2		U3/500	
UH	(100°-180°)	54.6	0.8		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P559861

CATALOG NUMBER: SDL-PA1-100-740-U-T3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0
2.5°	745.4	827.9	831.6	839.1	846.6	857.8	876.6	876.6	876.6	876.6	880.3
5°	708.0	708.0	708.0	715.5	715.5	723.0	726.7	839.1	850.3	861.6	861.6
7.5°	588.1	644.3	648.0	670.5	696.7	708.0	715.5	708.0	696.7	741.7	760.4
10°	644.3	644.3	644.3	651.8	614.3	595.6	550.7	554.4	558.1	591.9	674.3
12.5°	535.7	569.4	603.1	640.6	591.9	531.9	520.7	550.7	558.1	498.2	591.9
15°	625.6	621.8	621.8	588.1	490.7	531.9	464.5	490.7	554.4	606.8	704.2
17.5°	516.9	502.0	584.4	576.9	524.4	419.5	535.7	531.9	588.1	543.2	606.8
20°	614.3	610.6	610.6	472.0	520.7	565.6	558.1	520.7	584.4	651.8	767.9
22.5°	516.9	509.4	524.4	565.6	516.9	584.4	509.4	644.3	614.3	595.6	558.1
25°	651.8	648.0	648.0	516.9	584.4	535.7	644.3	588.1	711.7	775.4	846.6
27.5°	584.4	584.4	558.1	599.4	558.1	674.3	618.1	741.7	805.4	846.6	1022.6
30°	809.1	812.9	767.9	595.6	621.8	633.1	730.5	917.8	1056.4	1157.5	1266.1
32.5°	1165.0	1142.5	955.2	812.9	659.3	782.9	809.1	1067.6	1135.0	1243.7	1337.3
35°	1584.5	1573.3	1408.5	1052.6	794.1	839.1	902.8	1161.2	1266.1	1374.8	1431.0
37.5°	1873.0	1861.7	1756.8	1341.0	959.0	977.7	985.2	1292.4	1427.2	1535.8	1562.1
40°	2109.0	2090.2	2026.6	1565.8	1180.0	1142.5	1105.1	1472.2	1625.7	1715.6	1726.9
42.5°	2464.8	2434.9	2273.8	1824.3	1404.7	1363.5	1236.2	1629.5	1813.0	1932.9	1940.4
45°	2891.9	2865.6	2640.9	2183.9	1644.5	1633.2	1468.4	1831.8	2049.0	2191.4	2150.2
47.5°	3184.1	3112.9	2985.5	2528.5	2015.3	1917.9	1726.9	2037.8	2303.8	2517.3	2401.2
50°	3450.0	3397.6	3288.9	2910.6	2416.1	2285.0	1996.6	2273.8	2573.5	2768.3	2610.9
52.5°	3697.2	3618.6	3528.7	3195.3	2760.8	2697.1	2262.6	2509.8	2884.4	3045.5	2828.2
55°	3820.9	3697.2	3682.3	3453.8	3026.7	2974.3	2562.2	2802.0	3210.3	3322.7	3034.2
57.5°	3618.6	3614.8	3731.0	3611.1	3244.0	3217.8	2865.6	3116.6	3483.7	3536.2	3236.5
60°	3483.7	3487.5	3663.5	3671.0	3435.0	3450.0	3139.1	3480.0	3686.0	3719.7	3427.5
62.5°	3247.7	3274.0	3539.9	3712.2	3483.7	3671.0	3371.3	3731.0	3903.3	3914.5	3663.5
65°	2951.8	2978.0	3247.7	3599.9	3431.3	3817.1	3566.1	4011.9	4101.8	4109.3	3922.0
67.5°	2607.2	2618.4	2918.1	3307.7	3303.9	3869.6	3686.0	4199.2	4292.9	4315.3	4143.0
70°	2225.1	2210.1	2483.6	2933.1	3030.5	3843.3	3832.1	4382.8	4525.1	4521.4	4296.6
72.5°	1666.9	1738.1	1929.2	2393.7	2625.9	3716.0	3955.7	4510.1	4686.2	4626.2	4143.0
75°	569.4	606.8	1123.8	1524.6	2022.8	3375.1	3981.9	4517.6	4674.9	4409.0	3390.1
77.5°	187.3	176.1	251.0	606.8	1123.8	2337.5	3502.5	3940.7	3899.5	3427.5	2082.7
80°	89.9	93.6	112.4	213.5	412.1	1060.1	2198.9	2494.8	2438.6	1798.1	902.8
82.5°	59.9	63.7	74.9	123.6	232.2	363.4	1168.7	1138.8	861.6	565.6	370.8
85°	26.2	26.2	37.5	63.7	142.3	239.7	445.8	389.6	352.1	325.9	303.4
87.5°	7.5	7.5	15.0	22.5	48.7	149.8	251.0	236.0	243.5	254.7	288.4
90°	7.5	7.5	7.5	7.5	37.5	157.3	254.7	239.7	239.7	254.7	303.4
92.5°	11.2	11.2	7.5	7.5	33.7	157.3	266.0	228.5	243.5	258.5	325.9
95°	11.2	15.0	7.5	3.7	26.2	161.1	273.5	243.5	266.0	262.2	348.4
97.5°	15.0	15.0	7.5	3.7	15.0	138.6	277.2	198.5	202.3	187.3	273.5
100°	18.7	18.7	7.5	7.5	11.2	71.2	206.0	127.4	78.7	59.9	89.9
102.5°	22.5	22.5	7.5	7.5	7.5	26.2	93.6	74.9	41.2	11.2	22.5
105°	22.5	26.2	7.5	7.5	3.7	11.2	41.2	30.0	15.0	11.2	22.5
107.5°	26.2	26.2	7.5	7.5	3.7	7.5	11.2	11.2	7.5	11.2	22.5



REPORT NUMBER: P559861

CATALOG NUMBER: SDL-PA1-100-740-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	18.7	18.7	7.5	11.2	3.7	3.7	3.7	7.5	7.5	11.2	22.5
115°	11.2	7.5	3.7	7.5	3.7	3.7	3.7	7.5	7.5	7.5	18.7
117.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5	11.2	22.5
120°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5	15.0	26.2
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	15.0	30.0
125°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	11.2	26.2
127.5°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	7.5	11.2	22.5
130°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	7.5	15.0
132.5°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	7.5	15.0
135°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	7.5
137.5°	3.7	3.7	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
140°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	7.5	7.5	7.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
152.5°	7.5	7.5	7.5	3.7	3.7	3.7	3.7	7.5	7.5	3.7	3.7
155°	3.7	3.7	3.7	0.0	0.0	3.7	3.7	3.7	3.7	7.5	7.5
157.5°	0.0	3.7	3.7	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P559861

CATALOG NUMBER: SDL-PA1-100-740-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0
2.5°	880.3	880.3	876.6	884.0	880.3	880.3	831.6	782.9	771.7	775.4	782.9
5°	865.3	865.3	865.3	805.4	738.0	715.5	723.0	723.0	723.0	719.2	726.7
7.5°	764.2	760.4	749.2	681.8	711.7	708.0	704.2	696.7	606.8	584.4	584.4
10°	678.0	678.0	580.6	554.4	554.4	576.9	591.9	569.4	558.1	539.4	535.7
12.5°	595.6	595.6	498.2	554.4	468.2	464.5	453.3	415.8	352.1	307.2	310.9
15°	708.0	708.0	588.1	472.0	393.3	370.8	232.2	217.3	209.8	206.0	202.3
17.5°	603.1	606.8	543.2	468.2	367.1	194.8	164.8	164.8	164.8	157.3	142.3
20°	764.2	764.2	633.1	419.5	277.2	153.6	127.4	112.4	153.6	153.6	153.6
22.5°	554.4	546.9	558.1	427.0	172.3	123.6	104.9	131.1	138.6	116.1	116.1
25°	839.1	827.9	678.0	307.2	142.3	97.4	116.1	101.1	131.1	131.1	131.1
27.5°	1033.9	959.0	689.3	280.9	104.9	112.4	93.6	112.4	101.1	97.4	97.4
30°	1243.7	1209.9	831.6	221.0	101.1	93.6	97.4	89.9	104.9	97.4	97.4
32.5°	1311.1	1277.4	752.9	172.3	97.4	89.9	82.4	86.2	82.4	86.2	86.2
35°	1397.2	1363.5	666.8	131.1	89.9	78.7	74.9	74.9	71.2	67.4	67.4
37.5°	1520.9	1464.7	569.4	112.4	82.4	71.2	59.9	56.2	59.9	74.9	78.7
40°	1663.2	1569.6	449.5	101.1	71.2	59.9	45.0	52.4	63.7	63.7	63.7
42.5°	1869.2	1696.9	333.4	93.6	63.7	48.7	33.7	41.2	48.7	67.4	67.4
45°	2049.0	1771.8	236.0	86.2	52.4	37.5	26.2	41.2	52.4	59.9	59.9
47.5°	2258.8	1843.0	176.1	82.4	48.7	26.2	30.0	41.2	41.2	63.7	63.7
50°	2434.9	1858.0	142.3	74.9	37.5	18.7	37.5	37.5	45.0	56.2	56.2
52.5°	2599.7	1873.0	127.4	67.4	30.0	15.0	37.5	37.5	52.4	67.4	67.4
55°	2708.3	1828.0	116.1	59.9	26.2	11.2	41.2	41.2	41.2	52.4	52.4
57.5°	2794.5	1771.8	108.6	52.4	22.5	22.5	45.0	52.4	45.0	52.4	52.4
60°	2850.7	1670.7	93.6	48.7	18.7	22.5	56.2	67.4	52.4	78.7	78.7
62.5°	2951.8	1592.0	82.4	45.0	15.0	22.5	56.2	86.2	67.4	104.9	108.6
65°	3034.2	1520.9	71.2	33.7	15.0	30.0	63.7	108.6	82.4	131.1	134.9
67.5°	3067.9	1434.7	59.9	30.0	15.0	33.7	82.4	134.9	104.9	153.6	153.6
70°	3041.7	1344.8	48.7	30.0	15.0	52.4	108.6	157.3	127.4	187.3	191.0
72.5°	2813.2	1146.3	37.5	30.0	11.2	56.2	134.9	187.3	153.6	254.7	262.2
75°	2153.9	726.7	37.5	30.0	15.0	63.7	157.3	217.3	183.6	284.7	295.9
77.5°	1314.8	337.1	37.5	33.7	18.7	78.7	172.3	251.0	202.3	307.2	314.7
80°	584.4	209.8	37.5	37.5	37.5	97.4	202.3	277.2	228.5	325.9	337.1
82.5°	292.2	157.3	33.7	37.5	56.2	116.1	239.7	295.9	236.0	337.1	340.9
85°	251.0	142.3	33.7	41.2	59.9	134.9	258.5	299.7	247.2	333.4	337.1
87.5°	239.7	134.9	41.2	41.2	67.4	142.3	266.0	314.7	254.7	322.2	318.4
90°	251.0	131.1	45.0	48.7	86.2	146.1	269.7	307.2	254.7	303.4	303.4
92.5°	258.5	127.4	48.7	56.2	104.9	164.8	266.0	299.7	254.7	280.9	280.9
95°	266.0	127.4	56.2	63.7	104.9	179.8	254.7	273.5	236.0	251.0	247.2
97.5°	202.3	93.6	67.4	71.2	97.4	138.6	206.0	213.5	153.6	149.8	146.1
100°	71.2	41.2	67.4	78.7	59.9	59.9	123.6	149.8	89.9	56.2	63.7
102.5°	22.5	18.7	59.9	78.7	48.7	22.5	63.7	93.6	67.4	7.5	7.5
105°	22.5	22.5	33.7	63.7	33.7	7.5	22.5	52.4	41.2	7.5	7.5
107.5°	22.5	18.7	15.0	37.5	11.2	7.5	11.2	11.2	11.2	3.7	7.5



REPORT NUMBER: P559861

CATALOG NUMBER: SDL-PA1-100-740-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.2	18.7	7.5	11.2	7.5	7.5	7.5	3.7	7.5	18.7	22.5
115°	22.5	18.7	7.5	7.5	7.5	7.5	3.7	3.7	7.5	22.5	22.5
117.5°	26.2	22.5	7.5	7.5	3.7	7.5	3.7	3.7	7.5	22.5	26.2
120°	30.0	26.2	7.5	7.5	3.7	3.7	3.7	3.7	7.5	18.7	22.5
122.5°	30.0	30.0	7.5	3.7	3.7	3.7	3.7	3.7	11.2	18.7	18.7
125°	26.2	26.2	7.5	3.7	3.7	3.7	3.7	3.7	11.2	18.7	18.7
127.5°	22.5	22.5	7.5	3.7	3.7	3.7	3.7	3.7	7.5	15.0	18.7
130°	18.7	18.7	7.5	3.7	3.7	3.7	0.0	3.7	7.5	15.0	15.0
132.5°	15.0	11.2	7.5	3.7	3.7	3.7	0.0	3.7	7.5	11.2	15.0
135°	11.2	11.2	3.7	3.7	3.7	3.7	0.0	0.0	7.5	7.5	11.2
137.5°	7.5	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	7.5	7.5
140°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
145°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
150°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
155°	7.5	7.5	7.5	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
157.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	3.7	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





--- HS --- SS



u



110°	26.2	26.2	11.2	7.5	3.7	7.5	3.7	7.5	7.5	11.2	26.2
------	------	------	------	-----	-----	-----	-----	-----	-----	------	------



110°		26.2	18.7	7.5	11.2	7.5	7.5	7.5	7.5	7.5	15.0	15.0
------	--	------	------	-----	------	-----	-----	-----	-----	-----	------	------



(END OF REPORT)