

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: P559879

Luminaire Tested: **SDL-PA1-100-750-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-750-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7013.6 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
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



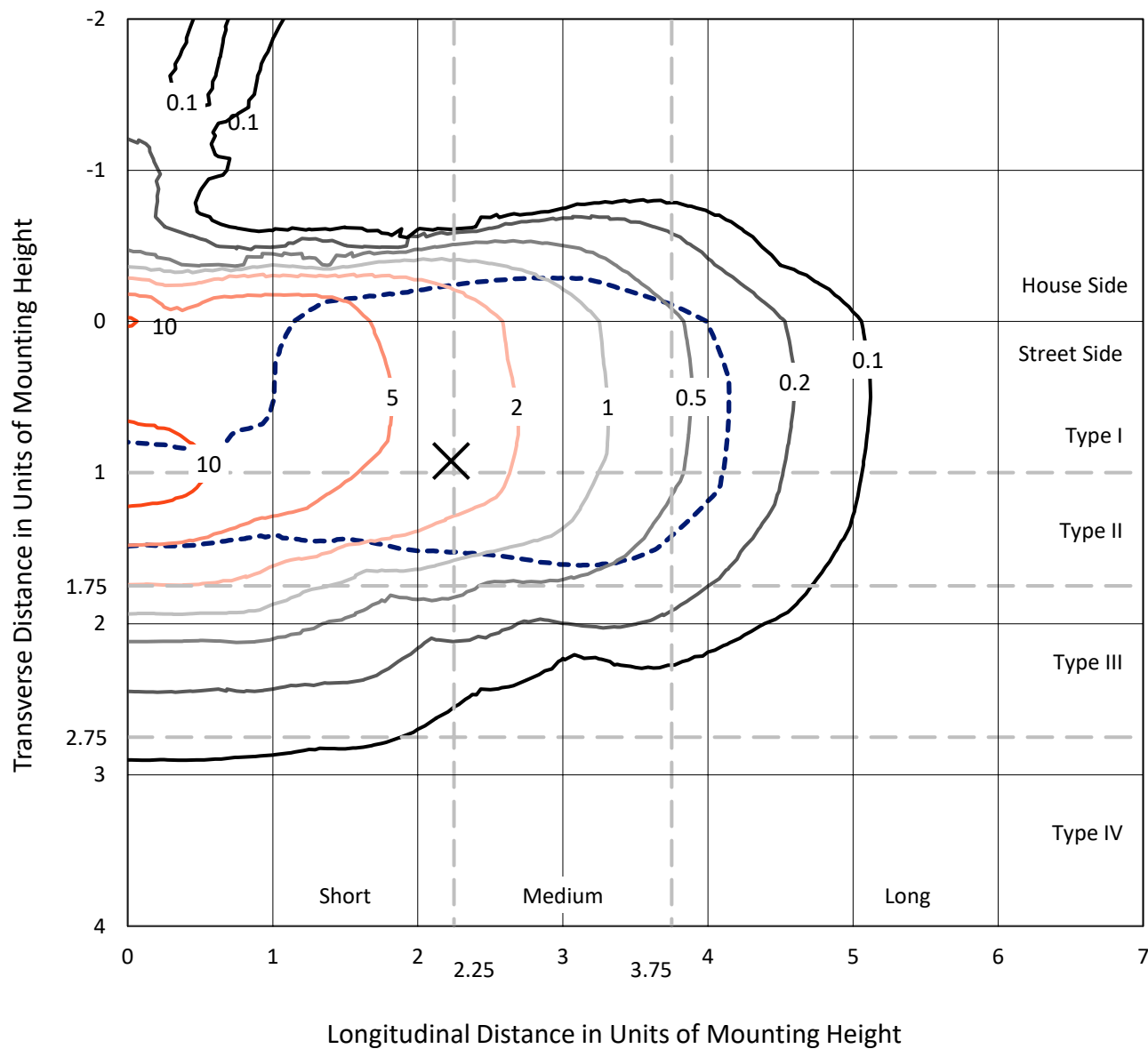
REPORT NUMBER: P559879

CATALOG NUMBER: SDL-PA1-100-750-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



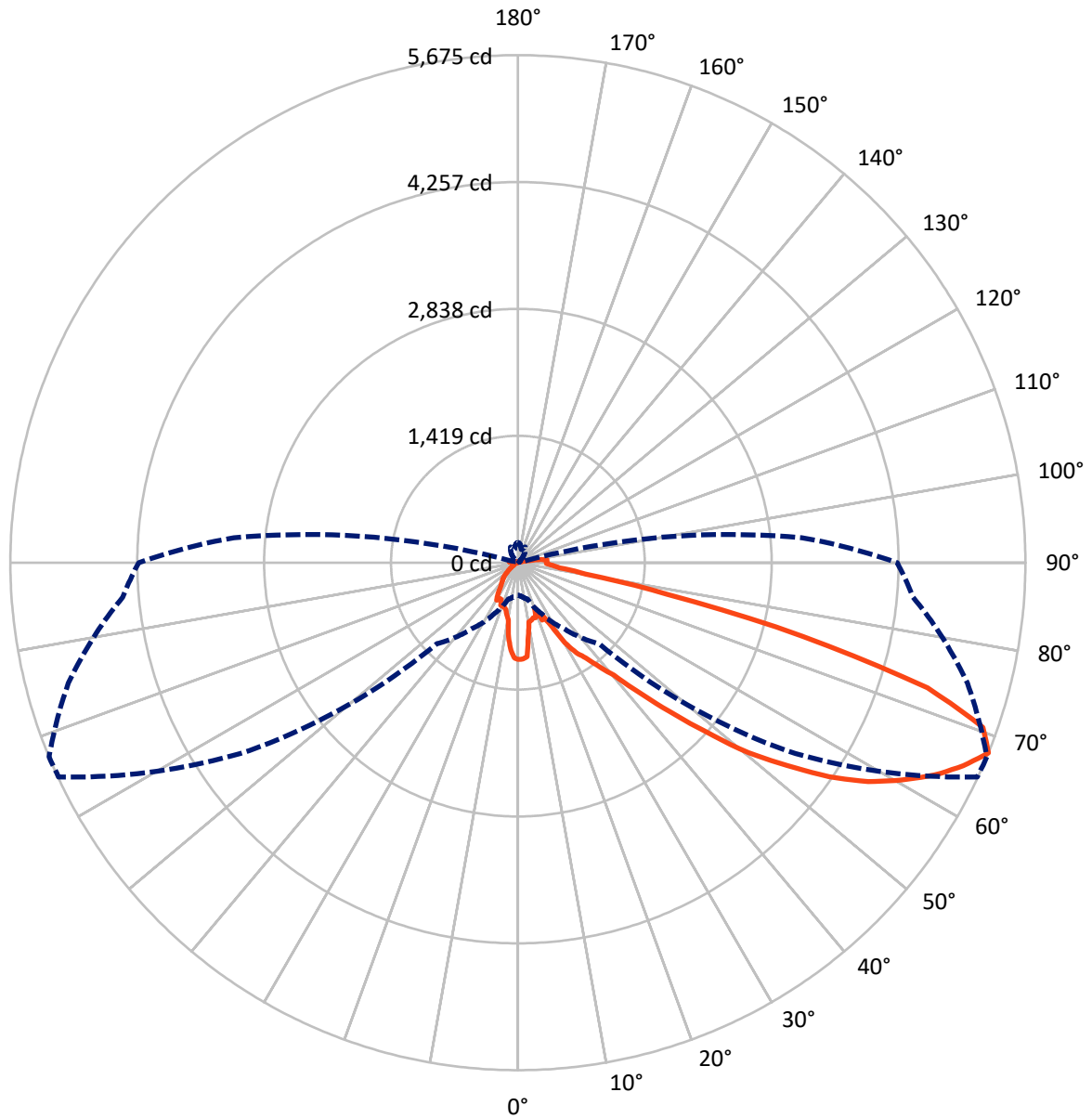
Based on 10 foot mounting height. Maximum calculated value = 14.2 fc

Type II - Short - N/A

REPORT NUMBER: P559879

CATALOG NUMBER: SDL-PA1-100-750-U-T2U-HSS-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P559879

CATALOG NUMBER: SDL-PA1-100-750-U-T2U-HSS-A

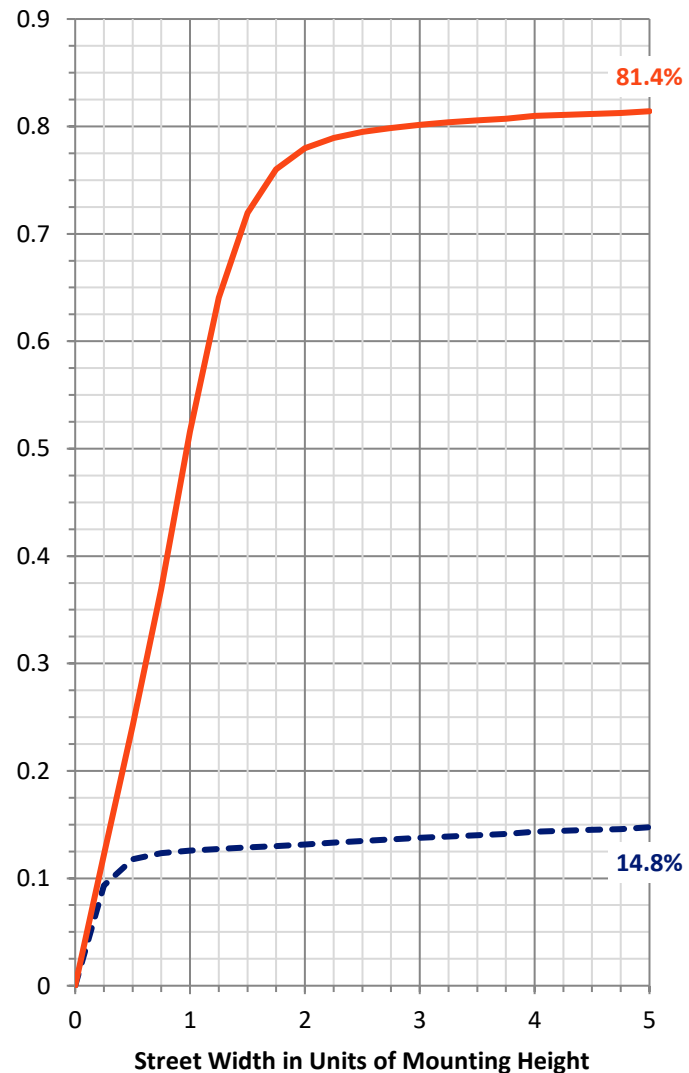
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1097.5	81.7	1179.3
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	5747.4	86.9	5834.3
	% Fixture	81.9	1.2	83.2
Total	Lumens	6845.0	168.7	7013.6
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	1.2
10°-20°	158.5	2.3
20°-30°	239.2	3.4
30°-40°	550.9	7.9
40°-50°	1228.0	17.5
50°-60°	1827.2	26.1
60°-70°	1629.6	23.2
70°-80°	914.8	13.0
80°-90°	213.6	3.0
90°-100°	117.3	1.7
100°-110°	27.0	0.4
110°-120°	10.6	0.2
120°-130°	7.0	0.1
130°-140°	3.6	0.1
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6845.0	97.6
0°-180°	7013.6	100.0

Coefficient of Utilization



REPORT NUMBER: P559879

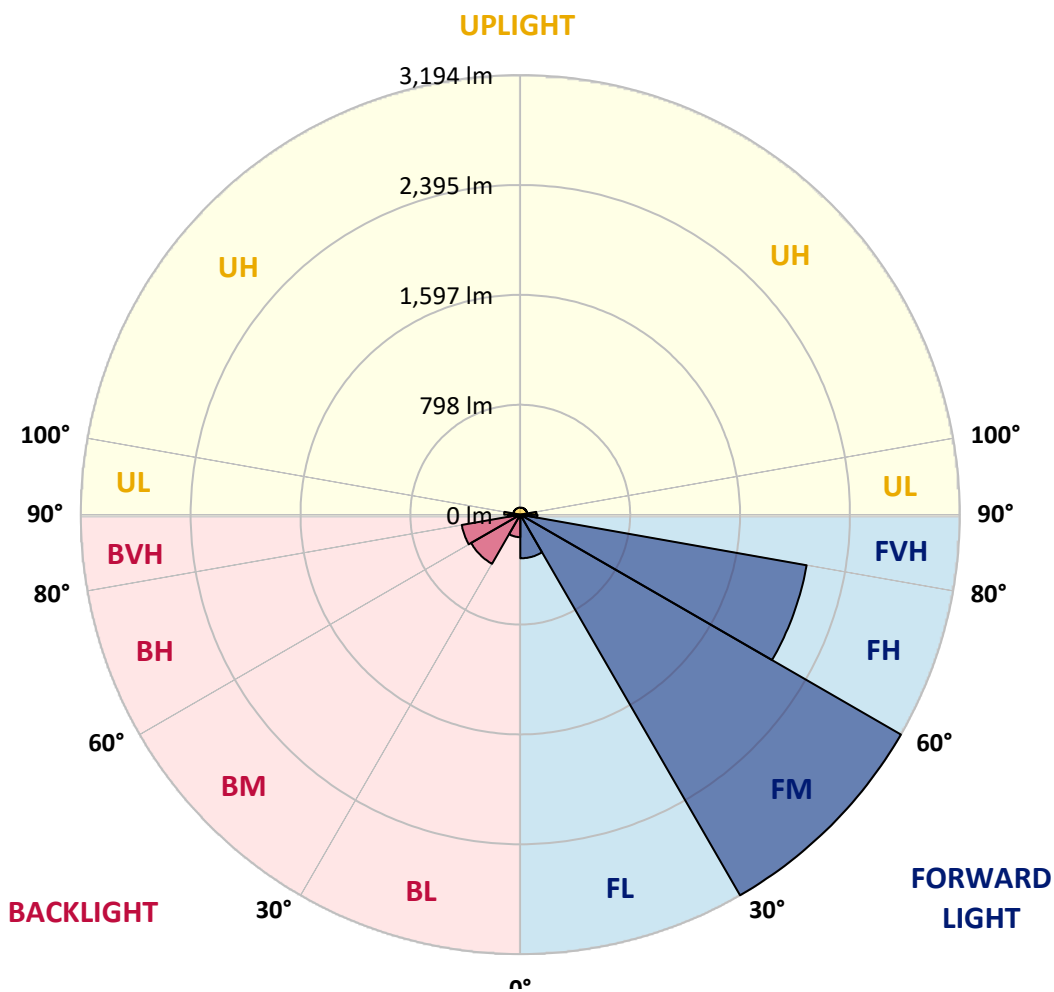
CATALOG NUMBER: SDL-PA1-100-750-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.3	4.5			
FM	(30°-60°)	3193.6	45.5			
FH	(60°-80°)	2112.6	30.1			G2/5000
FVH	(80°-90°)	124.0	1.8			G2/225
BL	(0°-30°)	163.6	2.3	B1/500		
BM	(30°-60°)	412.5	5.9	B1/1000		
BH	(60°-80°)	431.8	6.2	B1/500		G1/500
BVH	(80°-90°)	89.6	1.3			G1/100
UL	(90°-100°)	117.3	1.7		U3/500	
UH	(100°-180°)	51.4	0.7		U3/500	

BUG Rating: B1-U3-G2

Type II Short





REPORT NUMBER: P559879

CATALOG NUMBER: SDL-PA1-100-750-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9
2.5°	917.2	969.6	1025.8	1063.2	1070.7	1081.9	1081.9	1078.2	1078.2	1074.4	1074.4
5°	891.0	887.3	891.0	898.5	894.7	894.7	894.7	1044.5	1055.7	1063.2	1063.2
7.5°	767.5	786.2	846.1	868.5	876.0	883.5	883.5	872.3	831.1	920.9	932.2
10°	834.8	831.1	831.1	838.6	782.4	760.0	685.1	673.9	673.9	703.8	801.2
12.5°	700.1	741.3	797.4	819.9	756.2	670.1	651.4	666.4	662.6	580.3	677.6
15°	793.7	793.7	786.2	771.2	595.2	666.4	561.6	561.6	640.2	688.8	774.9
17.5°	643.9	662.6	756.2	745.0	655.1	501.7	655.1	602.7	647.7	606.5	651.4
20°	789.9	786.2	789.9	602.7	666.4	688.8	655.1	587.8	535.3	703.8	778.7
22.5°	651.4	643.9	681.4	745.0	628.9	715.0	599.0	715.0	696.3	625.2	561.6
25°	842.3	838.6	846.1	658.9	737.5	640.2	737.5	640.2	670.1	801.2	819.9
27.5°	760.0	756.2	745.0	804.9	700.1	808.6	696.3	782.4	804.9	868.5	1007.1
30°	1070.7	1055.7	1018.3	808.6	823.6	778.7	823.6	962.1	1037.0	1164.3	1205.5
32.5°	1561.1	1482.5	1235.4	1070.7	872.3	995.8	932.2	1130.6	1201.7	1265.4	1299.1
35°	2017.9	1984.2	1804.5	1415.1	1063.2	1100.6	1052.0	1265.4	1306.5	1441.3	1433.8
37.5°	2643.0	2586.9	2309.9	1826.9	1336.5	1321.5	1198.0	1441.3	1471.3	1665.9	1628.5
40°	3111.0	3066.1	2849.0	2268.7	1699.6	1568.6	1400.1	1684.7	1651.0	1913.0	1860.6
42.5°	3560.3	3534.0	3365.6	2774.1	2100.2	1950.5	1609.8	1984.2	1976.7	2205.0	2160.1
45°	3923.4	3893.4	3784.9	3227.1	2560.7	2564.4	1939.2	2313.6	2366.0	2583.1	2467.1
47.5°	4136.8	4073.1	3994.5	3586.5	3024.9	3152.2	2425.9	2688.0	2815.3	3002.4	2826.5
50°	4088.1	4024.5	4032.0	3814.8	3451.7	3657.6	2946.3	3084.8	3339.4	3485.4	3137.2
52.5°	3698.8	3661.3	3784.9	3773.6	3668.8	4121.8	3552.8	3515.3	3766.2	3863.5	3455.4
55°	3144.7	3092.3	3324.4	3489.1	3668.8	4410.1	4114.3	3994.5	4222.9	4207.9	3672.6
57.5°	2388.5	2407.2	2669.3	2927.6	3369.3	4466.2	4529.9	4514.9	4619.7	4492.4	3844.8
60°	1632.3	1643.5	2014.1	2306.1	2762.8	4170.5	4664.6	4945.4	4934.2	4732.0	4039.4
62.5°	1025.8	1022.0	1302.8	1763.3	1987.9	3395.5	4612.2	5271.1	5229.9	4911.7	4189.2
65°	591.5	606.5	707.6	1168.0	1381.4	2317.3	4309.0	5589.3	5473.3	5072.7	4350.2
67.5°	363.1	374.4	423.0	632.7	902.2	1280.3	3665.1	5668.0	5675.4	5203.7	4436.3
70°	307.0	310.7	333.2	389.3	628.9	718.8	2467.1	5301.1	5518.2	5233.7	4410.1
72.5°	258.3	262.1	295.8	340.7	468.0	509.1	1108.1	4380.1	4791.9	5005.3	4219.1
75°	190.9	194.7	243.3	310.7	340.7	408.1	606.5	2901.4	3290.7	3957.1	3597.7
77.5°	123.5	127.3	172.2	250.8	288.3	322.0	490.4	1355.2	1714.6	2287.4	2272.4
80°	82.4	82.4	101.1	176.0	228.4	262.1	426.8	670.1	763.7	943.4	883.5
82.5°	52.4	52.4	63.6	108.6	146.0	262.1	400.6	479.2	464.2	471.7	419.3
85°	22.5	22.5	33.7	59.9	78.6	172.2	359.4	411.8	393.1	393.1	374.4
87.5°	7.5	7.5	11.2	18.7	26.2	52.4	277.0	329.4	318.2	329.4	355.7
90°	7.5	7.5	3.7	7.5	7.5	37.4	224.6	325.7	318.2	333.2	366.9
92.5°	11.2	11.2	3.7	3.7	7.5	29.9	176.0	336.9	325.7	348.2	381.9
95°	18.7	18.7	7.5	3.7	11.2	26.2	108.6	299.5	325.7	344.4	389.3
97.5°	22.5	22.5	7.5	7.5	11.2	22.5	56.2	243.3	250.8	262.1	307.0
100°	29.9	29.9	7.5	7.5	7.5	18.7	29.9	127.3	131.0	93.6	149.7
102.5°	29.9	29.9	7.5	7.5	7.5	11.2	15.0	56.2	52.4	18.7	18.7
105°	33.7	33.7	11.2	7.5	7.5	7.5	7.5	18.7	18.7	11.2	22.5
107.5°	33.7	33.7	11.2	11.2	7.5	7.5	3.7	7.5	11.2	11.2	22.5



REPORT NUMBER: P559879

CATALOG NUMBER: SDL-PA1-100-750-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	18.7	18.7	7.5	11.2	7.5	3.7	3.7	3.7	7.5	15.0	37.4
115°	7.5	7.5	3.7	7.5	3.7	3.7	3.7	7.5	7.5	11.2	29.9
117.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5	3.7	11.2	26.2
120°	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	15.0	26.2
122.5°	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	15.0	26.2
125°	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	11.2	22.5
127.5°	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	7.5	22.5
130°	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	7.5	15.0
132.5°	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	7.5	11.2
135°	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	7.5
137.5°	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7
140°	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	0.0	0.0	0.0	3.7	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°	3.7	3.7	7.5	7.5	3.7	0.0	7.5	3.7	3.7	3.7	3.7
152.5°	7.5	7.5	7.5	7.5	3.7	0.0	3.7	7.5	3.7	3.7	3.7
155°	7.5	7.5	3.7	3.7	3.7	0.0	3.7	3.7	3.7	7.5	11.2
157.5°	0.0	0.0	0.0	0.0	3.7	0.0	3.7	3.7	0.0	0.0	3.7
160°	0.0	0.0	0.0	0.0	3.7	0.0	3.7	3.7	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: P559879

CATALOG NUMBER: SDL-PA1-100-750-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9	1081.9
2.5°	1070.7	1070.7	1067.0	1067.0	1055.7	1052.0	1003.3	950.9	909.7	913.5	913.5
5°	1059.5	1052.0	1040.7	965.9	872.3	857.3	857.3	849.8	846.1	849.8	849.8
7.5°	924.7	917.2	872.3	834.8	838.6	831.1	816.1	812.4	748.7	685.1	681.4
10°	797.4	786.2	666.4	640.2	636.4	662.6	726.3	703.8	681.4	655.1	666.4
12.5°	666.4	662.6	554.1	614.0	535.3	550.3	565.3	542.8	464.2	374.4	385.6
15°	771.2	760.0	628.9	509.1	456.7	460.5	303.2	292.0	235.9	213.4	202.2
17.5°	572.8	628.9	550.3	509.1	460.5	239.6	194.7	149.7	134.8	108.6	112.3
20°	767.5	752.5	628.9	475.4	355.7	202.2	108.6	86.1	104.8	108.6	108.6
22.5°	542.8	527.9	531.6	505.4	250.8	116.1	82.4	86.1	78.6	74.9	74.9
25°	797.4	771.2	643.9	385.6	187.2	74.9	78.6	59.9	71.1	71.1	71.1
27.5°	969.6	879.8	677.6	374.4	104.8	74.9	56.2	59.9	48.7	48.7	48.7
30°	1160.5	1108.1	887.3	348.2	82.4	59.9	52.4	41.2	44.9	44.9	44.9
32.5°	1246.6	1175.5	887.3	277.0	71.1	56.2	41.2	37.4	37.4	41.2	41.2
35°	1370.2	1295.3	883.5	183.4	59.9	44.9	33.7	33.7	33.7	33.7	33.7
37.5°	1557.4	1448.8	898.5	116.1	48.7	37.4	26.2	29.9	29.9	63.6	63.6
40°	1767.0	1643.5	857.3	82.4	41.2	29.9	22.5	37.4	52.4	56.2	56.2
42.5°	2032.8	1898.1	797.4	71.1	37.4	22.5	18.7	29.9	44.9	71.1	71.1
45°	2351.0	2148.9	715.0	63.6	29.9	18.7	18.7	37.4	56.2	67.4	67.4
47.5°	2635.6	2392.2	572.8	59.9	26.2	15.0	26.2	41.2	48.7	78.6	78.6
50°	2968.7	2646.8	438.0	52.4	22.5	15.0	41.2	44.9	56.2	71.1	71.1
52.5°	3215.8	2860.2	333.2	48.7	22.5	11.2	41.2	41.2	63.6	82.4	82.4
55°	3414.2	2976.2	239.6	41.2	18.7	11.2	48.7	52.4	56.2	63.6	63.6
57.5°	3567.7	3058.6	187.2	37.4	18.7	26.2	59.9	67.4	59.9	63.6	63.6
60°	3743.7	3099.8	138.5	33.7	15.0	26.2	71.1	89.8	67.4	97.3	93.6
62.5°	3904.7	3129.7	112.3	33.7	15.0	29.9	78.6	112.3	89.8	131.0	134.8
65°	4106.8	3167.2	93.6	26.2	15.0	41.2	93.6	149.7	119.8	172.2	179.7
67.5°	4241.6	3189.6	78.6	26.2	15.0	48.7	131.0	194.7	149.7	217.1	224.6
70°	4256.6	3107.3	63.6	26.2	15.0	74.9	179.7	235.9	187.2	277.0	280.8
72.5°	4061.9	2871.4	52.4	29.9	15.0	82.4	209.6	273.3	220.9	366.9	370.6
75°	3283.2	2014.1	48.7	29.9	15.0	104.8	228.4	299.5	247.1	381.9	389.3
77.5°	2017.9	932.2	44.9	33.7	22.5	116.1	232.1	318.2	258.3	381.9	393.1
80°	782.4	460.5	41.2	37.4	52.4	131.0	250.8	322.0	258.3	355.7	370.6
82.5°	363.1	269.5	41.2	41.2	67.4	134.8	247.1	299.5	239.6	318.2	314.5
85°	325.7	265.8	44.9	44.9	71.1	116.1	194.7	254.6	205.9	250.8	250.8
87.5°	318.2	262.1	48.7	56.2	71.1	67.4	149.7	217.1	176.0	187.2	187.2
90°	325.7	273.3	52.4	63.6	59.9	37.4	119.8	179.7	134.8	119.8	116.1
92.5°	348.2	277.0	63.6	74.9	56.2	29.9	101.1	146.0	97.3	78.6	74.9
95°	366.9	284.5	78.6	89.8	59.9	26.2	89.8	116.1	71.1	48.7	44.9
97.5°	307.0	220.9	89.8	97.3	59.9	26.2	78.6	93.6	56.2	26.2	26.2
100°	131.0	97.3	93.6	104.8	56.2	22.5	67.4	74.9	37.4	11.2	15.0
102.5°	26.2	29.9	82.4	97.3	44.9	15.0	44.9	44.9	26.2	3.7	7.5
105°	26.2	22.5	52.4	82.4	26.2	7.5	18.7	26.2	11.2	3.7	3.7
107.5°	26.2	26.2	18.7	41.2	11.2	7.5	7.5	11.2	7.5	3.7	3.7



REPORT NUMBER: P559879

CATALOG NUMBER: SDL-PA1-100-750-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	37.4	33.7	7.5	11.2	11.2	7.5	3.7	3.7	7.5	26.2	29.9
115°	33.7	29.9	11.2	11.2	7.5	7.5	3.7	3.7	7.5	29.9	33.7
117.5°	26.2	26.2	11.2	7.5	7.5	7.5	3.7	3.7	7.5	29.9	29.9
120°	29.9	26.2	11.2	7.5	3.7	3.7	3.7	3.7	7.5	22.5	22.5
122.5°	29.9	26.2	11.2	7.5	3.7	3.7	3.7	3.7	7.5	22.5	26.2
125°	26.2	22.5	11.2	7.5	3.7	3.7	3.7	3.7	11.2	22.5	22.5
127.5°	22.5	18.7	7.5	3.7	3.7	3.7	3.7	3.7	11.2	18.7	18.7
130°	15.0	15.0	7.5	3.7	3.7	3.7	3.7	3.7	11.2	15.0	15.0
132.5°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	3.7	7.5	15.0	15.0
135°	11.2	7.5	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	0.0	0.0	0.0	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7
145°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	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	7.5	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
155°	11.2	11.2	11.2	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°	0.0	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	11.2	7.5	3.7	3.7	3.7	7.5	11.2	26.2
------	------	------	------	------	-----	-----	-----	-----	-----	------	------



110°	29.9	26.2	7.5	11.2	7.5	7.5	7.5	7.5	3.7	18.7	22.5
------	------	------	-----	------	-----	-----	-----	-----	-----	------	------



(END OF REPORT)