

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: P559882

Luminaire Tested: **SDL-PA1-100-750-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
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-T3-A
Description: Springdale
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9661.1 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 IV - Medium
BUG Rating: B2 - 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



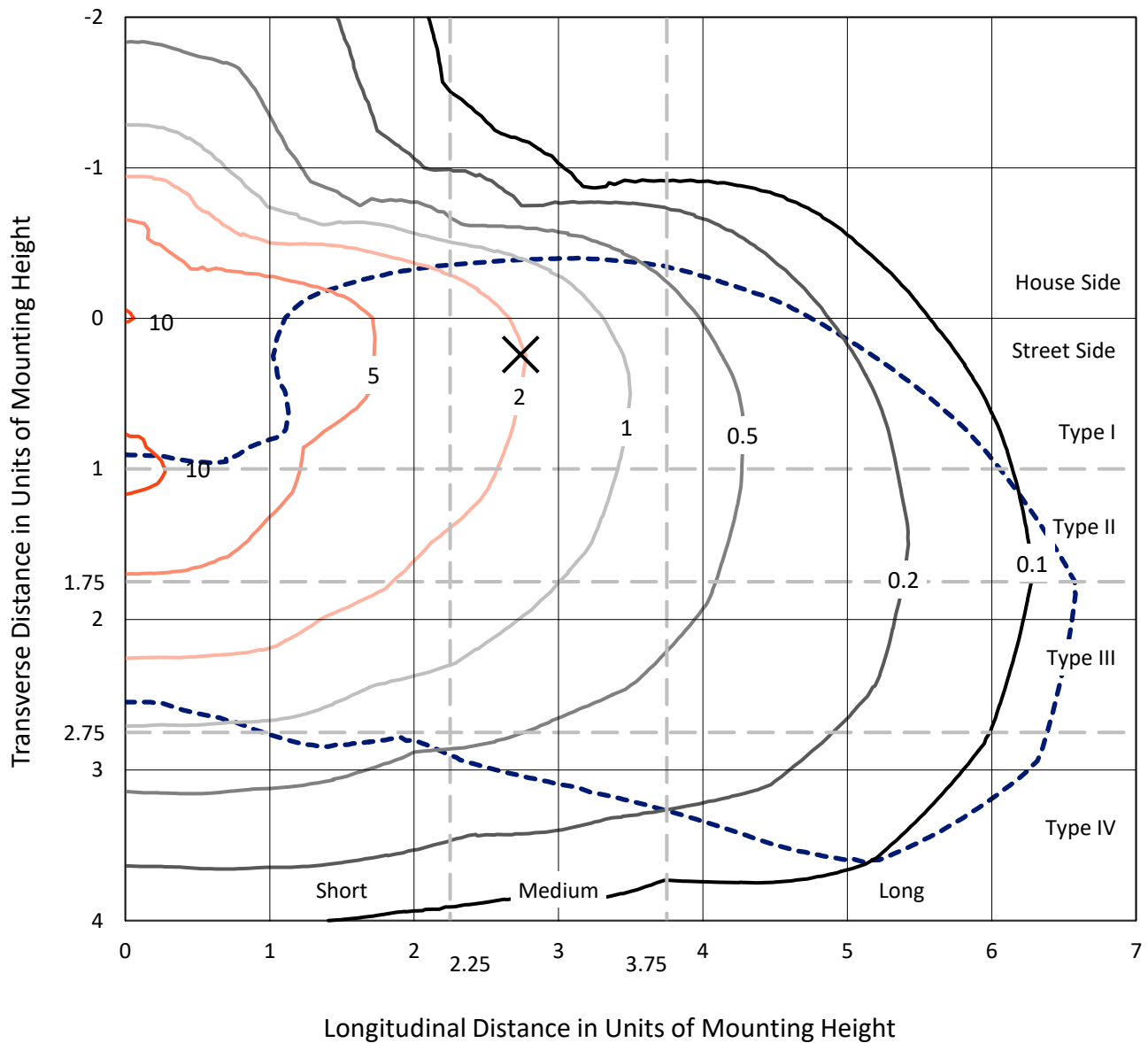
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



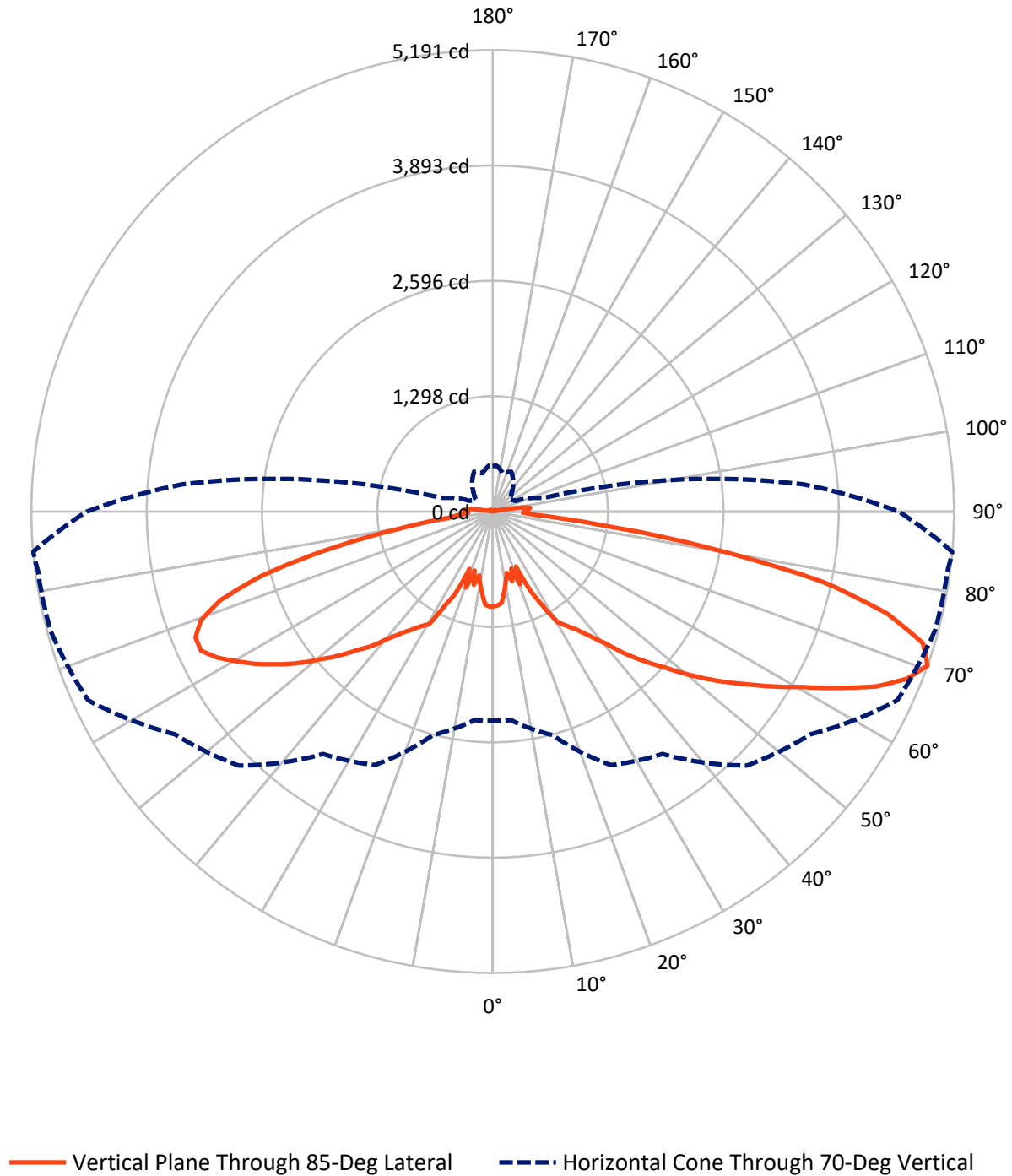
Based on 10 foot mounting height. Maximum calculated value = 10.9 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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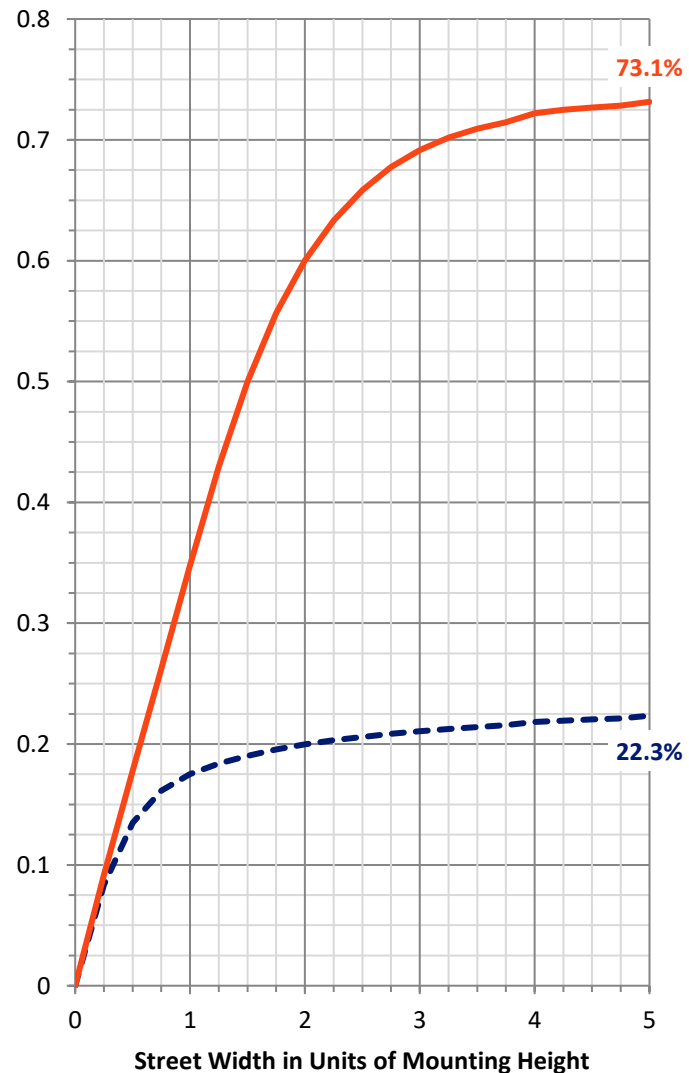
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2271.4	146.3	2417.7
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	7119.8	123.6	7243.4
	% Fixture	73.7	1.3	75.0
Total	Lumens	9391.3	269.8	9661.1
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	0.9
10°-20°	213.2	2.2
20°-30°	388.3	4.0
30°-40°	734.0	7.6
40°-50°	1226.7	12.7
50°-60°	1914.6	19.8
60°-70°	2374.3	24.6
70°-80°	1939.8	20.1
80°-90°	513.4	5.3
90°-100°	194.9	2.0
100°-110°	41.5	0.4
110°-120°	13.4	0.1
120°-130°	10.4	0.1
130°-140°	5.0	0.1
140°-150°	2.3	0.0
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9391.3	97.2
0°-180°	9661.1	100.0



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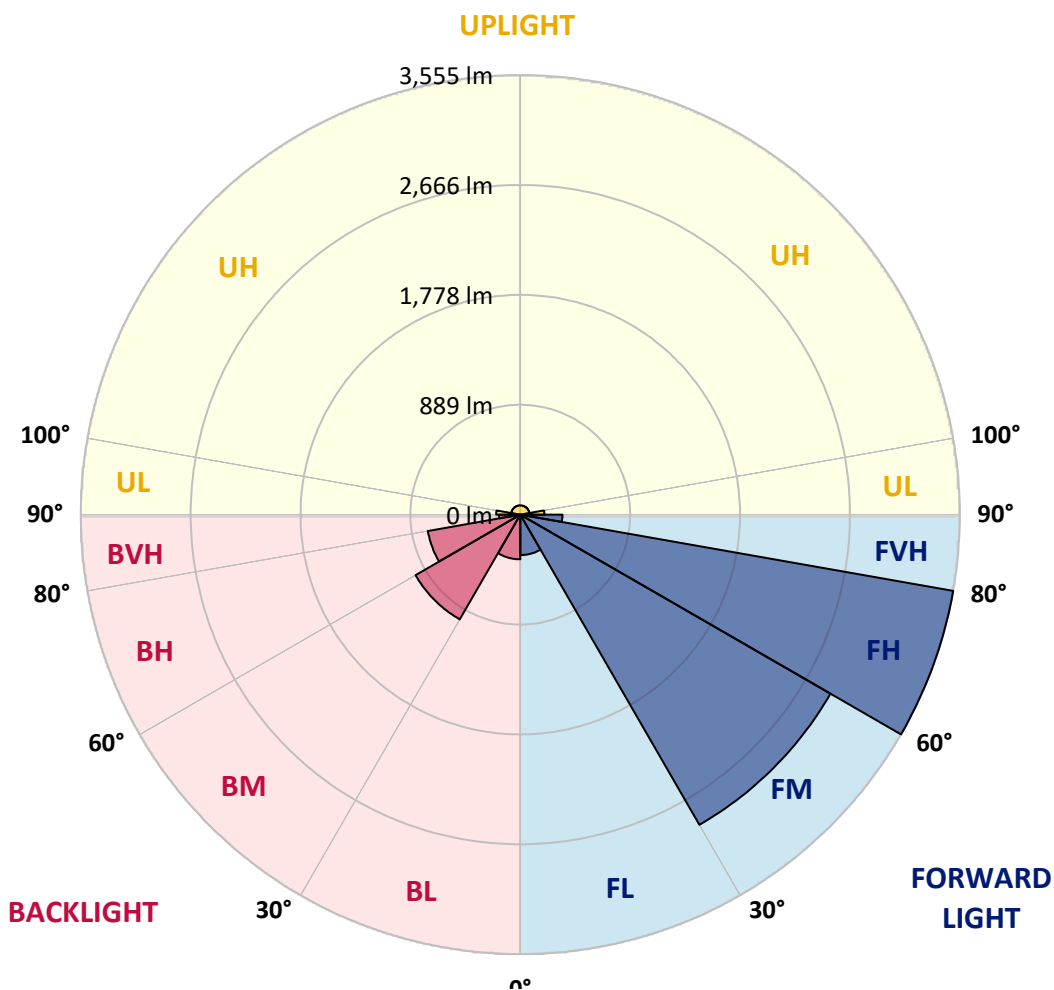
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.2	3.4			
FM	(30°-60°)	2896.9	30.0			
FH	(60°-80°)	3555.1	36.8			G2/5000
FVH	(80°-90°)	340.6	3.5			G3/500
BL	(0°-30°)	361.3	3.7	B1/500		
BM	(30°-60°)	978.4	10.1	B1/1000		
BH	(60°-80°)	759.0	7.9	B2/1000		G2/1000
BVH	(80°-90°)	172.8	1.8			G2/225
UL	(90°-100°)	194.9	2.0		U3/500	
UH	(100°-180°)	74.9	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4
2.5°	883.9	970.0	955.1	981.3	996.3	1018.7	1033.7	1041.2	1048.7	1056.2	1056.2
5°	820.2	824.0	827.7	831.5	838.9	850.2	861.4	981.3	1018.7	1033.7	1033.7
7.5°	749.1	745.3	760.3	779.0	805.2	820.2	831.5	835.2	876.4	910.1	917.6
10°	745.3	749.1	749.1	756.6	711.6	707.9	655.4	659.2	715.4	801.5	805.2
12.5°	647.9	666.7	707.9	737.8	692.9	621.7	610.5	640.4	599.2	704.1	707.9
15°	722.8	719.1	719.1	689.1	584.3	614.2	546.8	569.3	696.6	794.0	812.7
17.5°	629.2	621.7	696.6	674.2	606.7	513.1	614.2	606.7	629.2	685.4	674.2
20°	790.3	782.8	767.8	584.3	614.2	644.2	625.5	584.3	737.8	824.0	872.7
22.5°	737.8	745.3	782.8	741.6	633.0	662.9	591.8	719.1	696.6	662.9	670.4
25°	1007.5	1000.0	962.5	726.6	756.6	618.0	722.8	640.4	883.9	981.3	988.8
27.5°	928.8	917.6	891.4	913.9	767.8	809.0	704.1	838.9	977.5	1149.8	1202.2
30°	1232.2	1221.0	1191.0	921.3	913.9	801.5	853.9	1030.0	1318.3	1449.4	1445.7
32.5°	1588.0	1505.6	1322.1	1179.8	977.5	1041.2	977.5	1213.5	1404.5	1531.8	1531.8
35°	1805.2	1790.3	1692.9	1370.8	1138.6	1134.8	1123.6	1337.1	1550.6	1640.4	1633.0
37.5°	1988.8	2015.0	1943.8	1588.0	1284.6	1314.6	1258.4	1505.6	1730.3	1782.8	1775.3
40°	2243.4	2235.9	2198.5	1775.3	1464.4	1460.7	1419.5	1707.9	1928.8	1966.3	1947.6
42.5°	2621.7	2580.5	2468.2	2026.2	1655.4	1655.4	1580.5	1898.9	2172.3	2176.0	2187.3
45°	3086.1	3067.4	2868.9	2415.7	1902.6	1898.9	1775.3	2101.1	2419.5	2438.2	2404.5
47.5°	3408.2	3352.0	3254.7	2771.5	2284.6	2198.5	2011.2	2299.6	2715.3	2700.4	2632.9
50°	3726.6	3681.6	3591.7	3161.0	2681.6	2509.4	2232.2	2505.6	3000.0	2958.8	2895.1
52.5°	4000.0	3940.1	3842.7	3479.4	3030.0	2895.1	2486.9	2692.9	3288.4	3221.0	3161.0
55°	4157.3	4033.7	4041.2	3764.0	3292.1	3183.5	2771.5	2996.2	3569.3	3471.9	3423.2
57.5°	3962.5	3955.0	4078.6	3940.1	3531.8	3423.2	3074.9	3299.6	3861.4	3734.1	3711.6
60°	3767.8	3790.2	3966.3	3992.5	3719.1	3640.4	3337.1	3730.3	4146.1	4007.5	4007.5
62.5°	3498.1	3561.8	3809.0	4011.2	3737.8	3853.9	3610.5	4097.4	4456.9	4329.6	4370.8
65°	3191.0	3191.0	3475.6	3857.7	3677.9	3996.2	3913.8	4498.1	4730.3	4655.4	4741.6
67.5°	2771.5	2779.0	3074.9	3558.0	3569.3	4067.4	4157.3	4812.7	5015.0	4958.8	5022.5
70°	2352.1	2355.8	2603.0	3146.1	3329.6	4041.2	4367.0	5022.5	5153.5	5161.0	5191.0
72.5°	1760.3	1824.0	2056.2	2554.3	2913.8	3932.6	4475.6	5082.4	5149.8	5161.0	5063.7
75°	947.6	977.5	1236.0	1662.9	2164.8	3486.9	4441.9	5018.7	4970.0	4838.9	4584.3
77.5°	329.6	344.6	434.5	726.6	1228.5	2468.2	4119.8	4741.6	4584.3	4172.3	3797.7
80°	213.5	213.5	236.0	348.3	558.1	1168.5	3198.5	4063.7	3692.9	2812.7	2464.4
82.5°	149.8	153.6	172.3	232.2	359.5	501.9	1662.9	2063.7	2033.7	1400.7	1179.8
85°	108.6	112.4	119.8	134.8	247.2	310.9	647.9	992.5	917.6	501.9	471.9
87.5°	48.7	56.2	48.7	59.9	97.4	191.0	310.9	307.1	292.1	333.3	340.8
90°	37.5	37.5	30.0	33.7	67.4	172.3	288.4	277.2	295.9	363.3	359.5
92.5°	37.5	37.5	30.0	33.7	63.7	172.3	303.4	269.7	307.1	389.5	393.3
95°	37.5	41.2	30.0	30.0	52.4	176.0	322.1	288.4	325.8	423.2	423.2
97.5°	33.7	33.7	22.5	26.2	41.2	161.0	322.1	247.2	239.7	340.8	337.1
100°	26.2	30.0	15.0	22.5	30.0	97.4	239.7	153.6	67.4	78.7	119.8
102.5°	26.2	26.2	15.0	18.7	22.5	41.2	127.3	89.9	18.7	26.2	26.2
105°	26.2	30.0	15.0	15.0	15.0	18.7	59.9	44.9	15.0	22.5	26.2
107.5°	30.0	30.0	11.2	11.2	11.2	11.2	22.5	18.7	15.0	26.2	30.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	26.2	26.2	11.2	11.2	7.5	7.5	7.5	11.2	15.0	22.5	26.2
115°	18.7	18.7	7.5	11.2	7.5	7.5	7.5	11.2	11.2	18.7	22.5
117.5°	18.7	15.0	7.5	7.5	3.7	7.5	7.5	11.2	15.0	26.2	26.2
120°	18.7	18.7	7.5	3.7	3.7	3.7	3.7	7.5	18.7	30.0	33.7
122.5°	18.7	18.7	7.5	3.7	3.7	3.7	3.7	7.5	18.7	30.0	33.7
125°	22.5	18.7	11.2	3.7	3.7	3.7	3.7	3.7	15.0	26.2	30.0
127.5°	18.7	18.7	11.2	3.7	3.7	3.7	3.7	3.7	11.2	22.5	26.2
130°	18.7	18.7	11.2	3.7	3.7	3.7	3.7	3.7	11.2	18.7	18.7
132.5°	15.0	15.0	11.2	3.7	3.7	3.7	3.7	3.7	7.5	15.0	15.0
135°	15.0	15.0	7.5	3.7	3.7	3.7	3.7	3.7	3.7	11.2	11.2
137.5°	7.5	7.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
140°	0.0	3.7	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°	3.7	3.7	3.7	7.5	7.5	3.7	3.7	3.7	3.7	3.7	3.7
150°	11.2	11.2	11.2	7.5	7.5	3.7	7.5	3.7	3.7	3.7	3.7
152.5°	11.2	11.2	15.0	7.5	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°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	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°	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4	1067.4
2.5°	1059.9	1067.4	1071.2	1082.4	1082.4	1082.4	1056.2	992.5	992.5	996.3	1000.0
5°	1044.9	1052.4	1067.4	1015.0	962.5	958.8	977.5	988.8	992.5	996.3	988.8
7.5°	925.1	940.1	932.6	936.3	962.5	988.8	1011.2	996.3	958.8	932.6	940.1
10°	824.0	838.9	756.6	764.0	794.0	868.9	992.5	1033.7	1059.9	1071.2	1071.2
12.5°	722.8	734.1	662.9	767.8	715.4	831.5	966.3	1067.4	966.3	925.1	925.1
15°	827.7	850.2	764.0	681.6	696.6	842.7	741.6	1018.7	1048.7	1056.2	1063.7
17.5°	707.9	692.9	707.9	719.1	782.8	655.4	850.2	958.8	898.9	876.4	887.6
20°	891.4	906.4	827.7	707.9	715.4	835.2	756.6	857.7	1022.5	1026.2	1033.7
22.5°	677.9	696.6	741.6	842.7	737.8	809.0	797.8	891.4	835.2	838.9	868.9
25°	996.3	1011.2	932.6	752.8	805.2	730.3	805.2	794.0	936.3	943.8	943.8
27.5°	1221.0	1187.3	1018.7	850.2	707.9	771.5	726.6	756.6	722.8	824.0	838.9
30°	1453.2	1453.2	1322.1	947.6	749.1	655.4	662.9	719.1	801.5	816.5	816.5
32.5°	1524.3	1520.6	1352.1	1026.2	737.8	677.9	610.5	677.9	820.2	891.4	898.9
35°	1625.5	1610.5	1404.5	1000.0	711.6	618.0	576.8	681.6	786.5	797.8	790.3
37.5°	1752.8	1715.3	1468.2	951.3	651.7	580.5	554.3	614.2	704.1	704.1	704.1
40°	1910.1	1850.2	1490.6	883.9	588.0	531.8	505.6	569.3	629.2	595.5	584.3
42.5°	2123.6	2033.7	1509.4	835.2	531.8	490.6	456.9	516.9	546.8	528.1	520.6
45°	2322.1	2187.3	1539.3	782.8	486.9	453.2	423.2	475.7	498.1	479.4	475.7
47.5°	2558.0	2378.3	1543.1	734.1	453.2	423.2	400.7	445.7	460.7	460.7	456.9
50°	2801.5	2561.8	1573.0	692.9	419.5	393.3	389.5	423.2	434.5	427.0	423.2
52.5°	3078.6	2767.8	1584.3	640.4	378.3	359.5	378.3	400.7	434.5	438.2	438.2
55°	3374.5	2958.8	1576.8	569.3	348.3	340.8	367.0	415.7	445.7	423.2	419.5
57.5°	3662.9	3149.8	1580.5	490.6	318.4	333.3	370.8	434.5	456.9	430.7	419.5
60°	3921.3	3322.1	1528.1	419.5	295.9	314.6	385.8	453.2	445.7	453.2	441.9
62.5°	4239.7	3501.9	1378.3	374.5	277.2	307.1	385.8	464.4	434.5	464.4	464.4
65°	4501.9	3636.7	1164.8	337.1	262.2	307.1	389.5	468.2	423.2	471.9	471.9
67.5°	4614.2	3632.9	842.7	307.1	243.4	299.6	389.5	483.1	434.5	486.9	483.1
70°	4569.3	3509.4	595.5	284.6	232.2	303.4	404.5	494.4	445.7	516.9	513.1
72.5°	4265.9	3217.2	430.7	265.9	217.2	288.4	415.7	509.4	456.9	561.8	561.8
75°	3756.5	2689.1	348.3	247.2	202.2	284.6	419.5	516.9	464.4	569.3	569.3
77.5°	2872.6	1932.6	292.1	228.5	187.3	277.2	415.7	528.1	460.7	569.3	569.3
80°	1722.8	1101.1	243.4	206.0	191.0	273.4	423.2	528.1	460.7	561.8	561.8
82.5°	794.0	505.6	217.2	172.3	179.8	269.7	430.7	520.6	441.9	561.8	539.3
85°	441.9	355.8	187.3	146.1	161.0	254.7	408.2	468.2	397.0	464.4	456.9
87.5°	329.6	277.2	119.8	74.9	104.9	179.8	314.6	370.8	299.6	359.5	355.8
90°	352.1	292.1	108.6	74.9	112.4	164.8	295.9	329.6	277.2	333.3	329.6
92.5°	378.3	307.1	108.6	78.7	127.3	179.8	295.9	322.1	273.4	303.4	307.1
95°	397.0	318.4	104.9	86.1	134.8	194.8	288.4	295.9	250.9	262.2	273.4
97.5°	310.9	239.7	93.6	89.9	131.1	157.3	236.0	232.2	172.3	161.0	161.0
100°	97.4	67.4	82.4	93.6	78.7	74.9	138.6	164.8	101.1	67.4	63.7
102.5°	30.0	26.2	74.9	89.9	59.9	33.7	74.9	104.9	74.9	11.2	15.0
105°	30.0	30.0	48.7	74.9	41.2	15.0	30.0	56.2	44.9	11.2	11.2
107.5°	30.0	26.2	18.7	41.2	15.0	11.2	15.0	15.0	15.0	11.2	11.2



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CATALOG NUMBER: SDL-PA1-100-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.0	30.0	15.0	15.0	11.2	11.2	7.5	7.5	11.2	26.2	26.2
115°	26.2	26.2	15.0	11.2	7.5	11.2	7.5	7.5	11.2	30.0	30.0
117.5°	30.0	30.0	15.0	11.2	7.5	7.5	7.5	3.7	11.2	33.7	37.5
120°	37.5	33.7	18.7	7.5	7.5	7.5	7.5	7.5	15.0	30.0	33.7
122.5°	37.5	37.5	18.7	7.5	3.7	3.7	3.7	7.5	15.0	30.0	33.7
125°	33.7	33.7	18.7	7.5	3.7	3.7	3.7	3.7	15.0	26.2	26.2
127.5°	30.0	30.0	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	18.7	22.5
132.5°	18.7	18.7	11.2	7.5	3.7	3.7	3.7	3.7	11.2	15.0	18.7
135°	11.2	11.2	7.5	3.7	3.7	3.7	3.7	3.7	7.5	11.2	15.0
137.5°	7.5	7.5	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	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	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	3.7	3.7	3.7	7.5	7.5	11.2	7.5
152.5°	3.7	3.7	3.7	7.5	3.7	0.0	0.0	7.5	7.5	11.2	11.2
155°	11.2	11.2	7.5	3.7	3.7	0.0	0.0	0.0	7.5	7.5	7.5
157.5°	3.7	3.7	3.7	3.7	3.7	0.0	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	0.0	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 Generated By 670245982





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110°	30.0	30.0	11.2	11.2	7.5	7.5	11.2	11.2	15.0	26.2	30.0
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110°	30.0	30.0	15.0	15.0	11.2	11.2	11.2	7.5	7.5	18.7	18.7
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(END OF REPORT)