

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: P560561

Luminaire Tested: **SDL-PA1-50-740-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560561
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-PA1-50-740-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 670mA 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: 4372.9 lumens
Efficiency: N/A
Efficacy: 83.5 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 - G1

Input Watts (W): 52.4
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



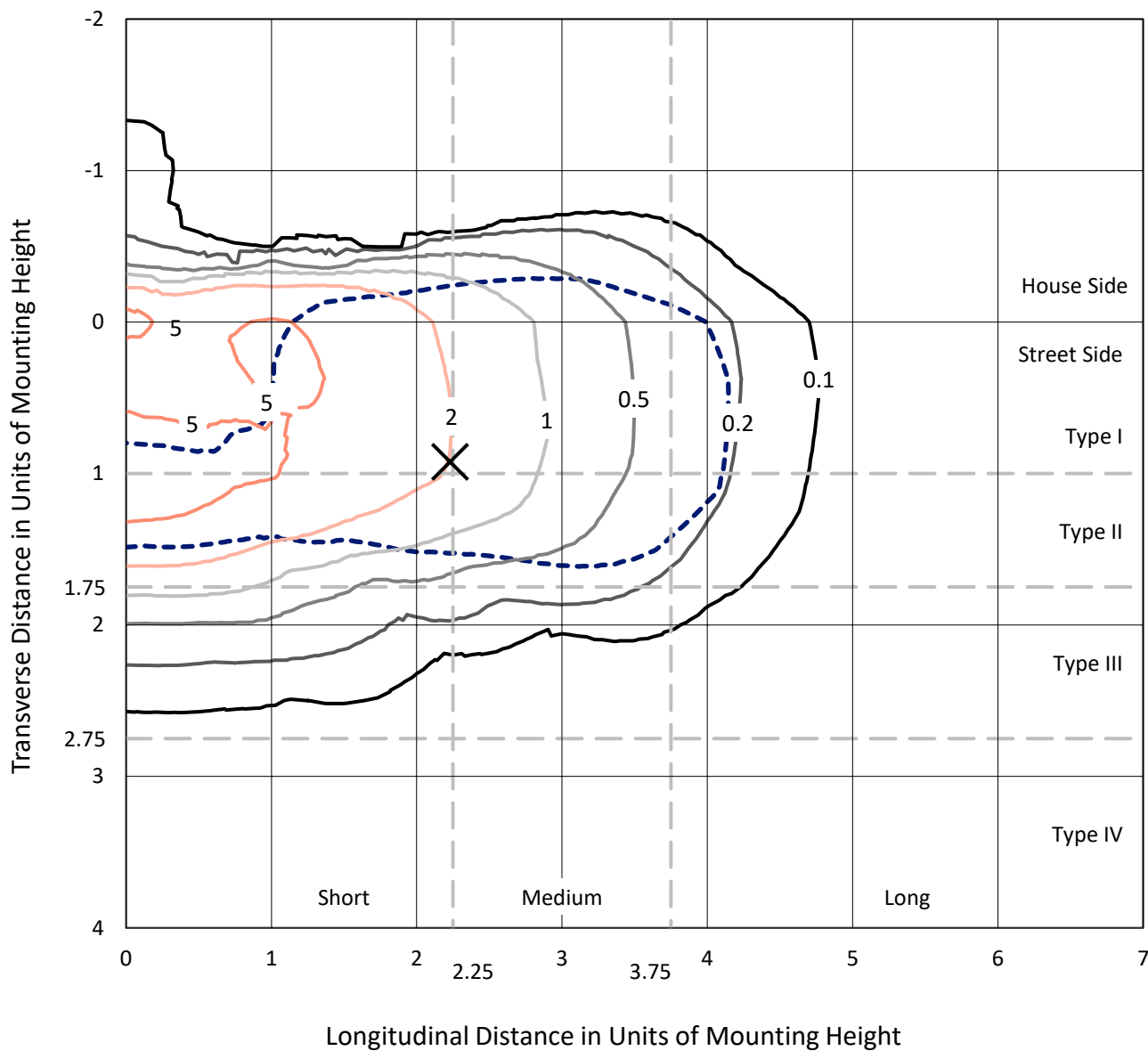
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



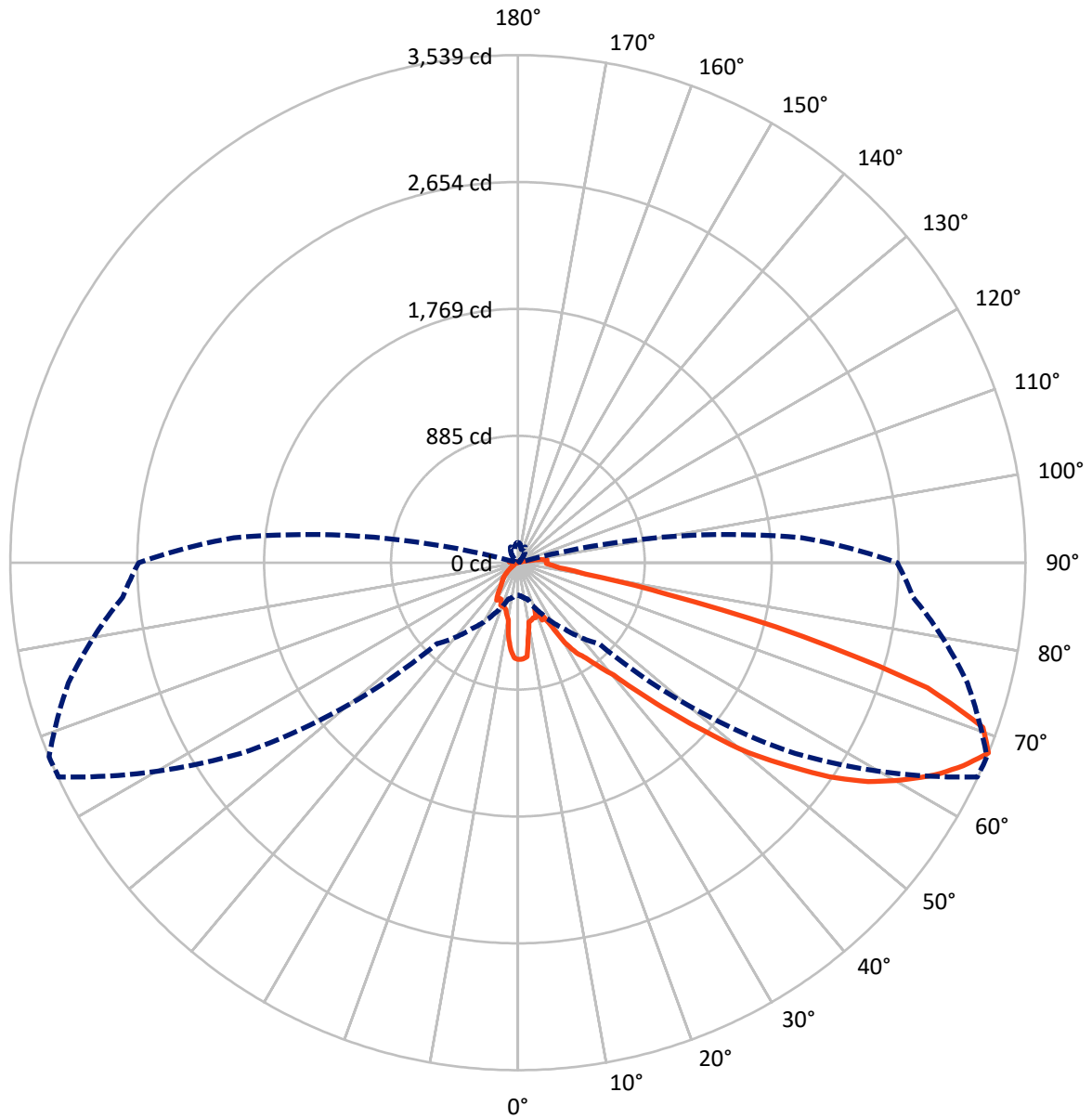
Based on 10 foot mounting height. Maximum calculated value = 8.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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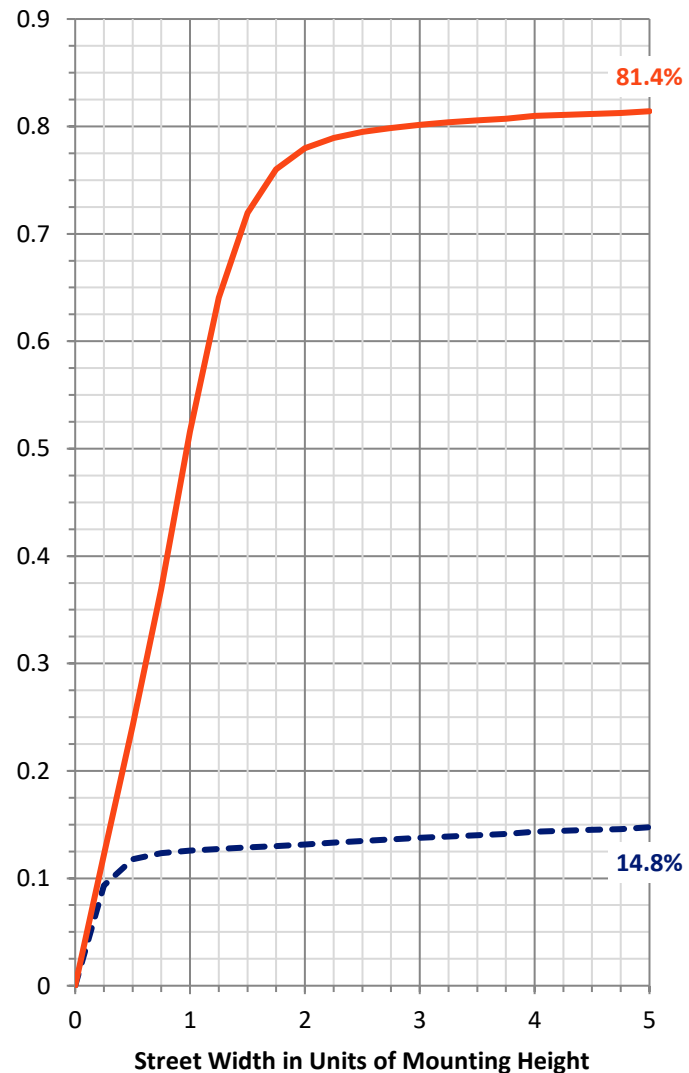
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	684.3	51.0	735.3
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	3583.5	54.2	3637.6
	% Fixture	81.9	1.2	83.2
Total	Lumens	4267.7	105.2	4372.9
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	1.2
10°-20°	98.8	2.3
20°-30°	149.1	3.4
30°-40°	343.5	7.9
40°-50°	765.6	17.5
50°-60°	1139.3	26.1
60°-70°	1016.1	23.2
70°-80°	570.3	13.0
80°-90°	133.2	3.0
90°-100°	73.1	1.7
100°-110°	16.8	0.4
110°-120°	6.6	0.2
120°-130°	4.4	0.1
130°-140°	2.3	0.1
140°-150°	1.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4267.7	97.6
0°-180°	4372.9	100.0



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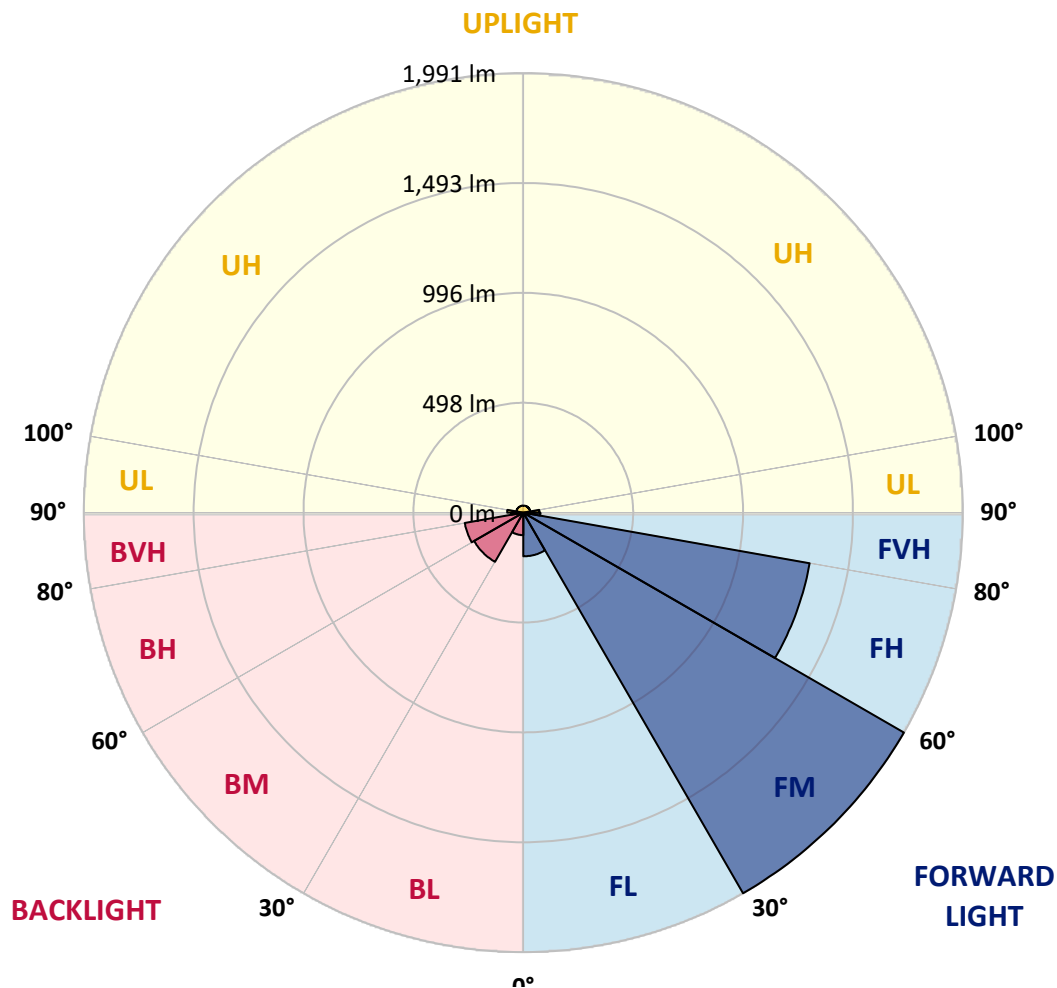
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.8	4.5			
FM	(30°-60°)	1991.2	45.5			
FH	(60°-80°)	1317.2	30.1			G1/1800
FVH	(80°-90°)	77.3	1.8			G1/100
BL	(0°-30°)	102.0	2.3	B0/110		
BM	(30°-60°)	257.2	5.9	B1/1000		
BH	(60°-80°)	269.2	6.2	B1/500		G1/500
BVH	(80°-90°)	55.9	1.3			G1/100
UL	(90°-100°)	73.1	1.7		U3/500	
UH	(100°-180°)	32.1	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6
2.5°	571.9	604.5	639.6	662.9	667.6	674.6	674.6	672.2	672.2	669.9	669.9
5°	555.5	553.2	555.5	560.2	557.9	557.9	557.9	651.2	658.2	662.9	662.9
7.5°	478.5	490.2	527.5	541.5	546.2	550.9	550.9	543.9	518.2	574.2	581.2
10°	520.5	518.2	518.2	522.8	487.8	473.8	427.1	420.1	420.1	438.8	499.5
12.5°	436.5	462.2	497.2	511.2	471.5	417.8	406.1	415.5	413.1	361.8	422.5
15°	494.8	494.8	490.2	480.8	371.1	415.5	350.1	350.1	399.1	429.5	483.2
17.5°	401.5	413.1	471.5	464.5	408.5	312.8	408.5	375.8	403.8	378.1	406.1
20°	492.5	490.2	492.5	375.8	415.5	429.5	408.5	366.5	333.8	438.8	485.5
22.5°	406.1	401.5	424.8	464.5	392.1	445.8	373.5	445.8	434.2	389.8	350.1
25°	525.2	522.8	527.5	410.8	459.8	399.1	459.8	399.1	417.8	499.5	511.2
27.5°	473.8	471.5	464.5	501.8	436.5	504.2	434.2	487.8	501.8	541.5	627.9
30°	667.6	658.2	634.9	504.2	513.5	485.5	513.5	599.9	646.6	725.9	751.6
32.5°	973.3	924.3	770.3	667.6	543.9	620.9	581.2	704.9	749.3	788.9	809.9
35°	1258.1	1237.1	1125.1	882.3	662.9	686.2	655.9	788.9	814.6	898.6	894.0
37.5°	1647.9	1612.9	1440.2	1139.1	833.3	824.0	746.9	898.6	917.3	1038.7	1015.4
40°	1939.7	1911.7	1776.3	1414.5	1059.7	978.0	873.0	1050.4	1029.4	1192.7	1160.1
42.5°	2219.8	2203.4	2098.4	1729.6	1309.5	1216.1	1003.7	1237.1	1232.4	1374.8	1346.8
45°	2446.2	2427.5	2359.8	2012.0	1596.6	1598.9	1209.1	1442.5	1475.2	1610.6	1538.2
47.5°	2579.2	2539.6	2490.5	2236.1	1886.0	1965.4	1512.5	1675.9	1755.3	1872.0	1762.3
50°	2548.9	2509.2	2513.9	2378.5	2152.1	2280.5	1837.0	1923.3	2082.1	2173.1	1956.0
52.5°	2306.1	2282.8	2359.8	2352.8	2287.5	2569.9	2215.1	2191.8	2348.2	2408.8	2154.4
55°	1960.7	1928.0	2072.7	2175.4	2287.5	2749.6	2565.2	2490.5	2632.9	2623.6	2289.8
57.5°	1489.2	1500.9	1664.2	1825.3	2100.7	2784.6	2824.3	2815.0	2880.3	2801.0	2397.2
60°	1017.7	1024.7	1255.8	1437.8	1722.6	2600.2	2908.3	3083.4	3076.4	2950.4	2518.5
62.5°	639.6	637.2	812.3	1099.4	1239.4	2117.1	2875.7	3286.5	3260.8	3062.4	2611.9
65°	368.8	378.1	441.2	728.3	861.3	1444.8	2686.6	3484.9	3412.5	3162.8	2712.3
67.5°	226.4	233.4	263.8	394.5	562.5	798.3	2285.1	3533.9	3538.6	3244.5	2766.0
70°	191.4	193.7	207.7	242.8	392.1	448.2	1538.2	3305.2	3440.5	3263.1	2749.6
72.5°	161.1	163.4	184.4	212.4	291.8	317.4	690.9	2731.0	2987.7	3120.8	2630.6
75°	119.0	121.4	151.7	193.7	212.4	254.4	378.1	1809.0	2051.7	2467.2	2243.1
77.5°	77.0	79.4	107.4	156.4	179.7	200.7	305.8	845.0	1069.0	1426.2	1416.8
80°	51.4	51.4	63.0	109.7	142.4	163.4	266.1	417.8	476.2	588.2	550.9
82.5°	32.7	32.7	39.7	67.7	91.0	163.4	249.8	298.8	289.4	294.1	261.4
85°	14.0	14.0	21.0	37.3	49.0	107.4	224.1	256.8	245.1	245.1	233.4
87.5°	4.7	4.7	7.0	11.7	16.3	32.7	172.7	205.4	198.4	205.4	221.7
90°	4.7	4.7	2.3	4.7	4.7	23.3	140.0	203.1	198.4	207.7	228.7
92.5°	7.0	7.0	2.3	2.3	4.7	18.7	109.7	210.1	203.1	217.1	238.1
95°	11.7	11.7	4.7	2.3	7.0	16.3	67.7	186.7	203.1	214.7	242.8
97.5°	14.0	14.0	4.7	4.7	7.0	14.0	35.0	151.7	156.4	163.4	191.4
100°	18.7	18.7	4.7	4.7	4.7	11.7	18.7	79.4	81.7	58.4	93.4
102.5°	18.7	18.7	4.7	4.7	4.7	7.0	9.3	35.0	32.7	11.7	11.7
105°	21.0	21.0	7.0	4.7	4.7	4.7	4.7	11.7	11.7	7.0	14.0
107.5°	21.0	21.0	7.0	7.0	4.7	4.7	2.3	4.7	7.0	7.0	14.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	11.7	11.7	4.7	7.0	4.7	2.3	2.3	2.3	4.7	9.3	23.3
115°	4.7	4.7	2.3	4.7	2.3	2.3	2.3	4.7	4.7	7.0	18.7
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	2.3	7.0	16.3
120°	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	9.3	16.3
122.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	9.3	16.3
125°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	7.0	14.0
127.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.7	14.0
130°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.7	9.3
132.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.7	7.0
135°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	4.7
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3
140°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	4.7	4.7	2.3	0.0	4.7	2.3	2.3	2.3	2.3
152.5°	4.7	4.7	4.7	4.7	2.3	0.0	2.3	4.7	2.3	2.3	2.3
155°	4.7	4.7	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.7	7.0
157.5°	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3	0.0	0.0	2.3
160°	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3	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°	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6
2.5°	667.6	667.6	665.2	665.2	658.2	655.9	625.6	592.9	567.2	569.5	569.5
5°	660.6	655.9	648.9	602.2	543.9	534.5	534.5	529.9	527.5	529.9	529.9
7.5°	576.5	571.9	543.9	520.5	522.8	518.2	508.8	506.5	466.8	427.1	424.8
10°	497.2	490.2	415.5	399.1	396.8	413.1	452.8	438.8	424.8	408.5	415.5
12.5°	415.5	413.1	345.5	382.8	333.8	343.1	352.5	338.5	289.4	233.4	240.4
15°	480.8	473.8	392.1	317.4	284.8	287.1	189.1	182.1	147.1	133.0	126.0
17.5°	357.1	392.1	343.1	317.4	287.1	149.4	121.4	93.4	84.0	67.7	70.0
20°	478.5	469.2	392.1	296.4	221.7	126.0	67.7	53.7	65.4	67.7	67.7
22.5°	338.5	329.1	331.4	315.1	156.4	72.4	51.4	53.7	49.0	46.7	46.7
25°	497.2	480.8	401.5	240.4	116.7	46.7	49.0	37.3	44.3	44.3	44.3
27.5°	604.5	548.5	422.5	233.4	65.4	46.7	35.0	37.3	30.3	30.3	30.3
30°	723.6	690.9	553.2	217.1	51.4	37.3	32.7	25.7	28.0	28.0	28.0
32.5°	777.3	732.9	553.2	172.7	44.3	35.0	25.7	23.3	23.3	25.7	25.7
35°	854.3	807.6	550.9	114.4	37.3	28.0	21.0	21.0	21.0	21.0	21.0
37.5°	971.0	903.3	560.2	72.4	30.3	23.3	16.3	18.7	18.7	39.7	39.7
40°	1101.7	1024.7	534.5	51.4	25.7	18.7	14.0	23.3	32.7	35.0	35.0
42.5°	1267.4	1183.4	497.2	44.3	23.3	14.0	11.7	18.7	28.0	44.3	44.3
45°	1465.8	1339.8	445.8	39.7	18.7	11.7	11.7	23.3	35.0	42.0	42.0
47.5°	1643.2	1491.5	357.1	37.3	16.3	9.3	16.3	25.7	30.3	49.0	49.0
50°	1851.0	1650.2	273.1	32.7	14.0	9.3	25.7	28.0	35.0	44.3	44.3
52.5°	2005.0	1783.3	207.7	30.3	14.0	7.0	25.7	25.7	39.7	51.4	51.4
55°	2128.7	1855.6	149.4	25.7	11.7	7.0	30.3	32.7	35.0	39.7	39.7
57.5°	2224.4	1907.0	116.7	23.3	11.7	16.3	37.3	42.0	37.3	39.7	39.7
60°	2334.1	1932.7	86.4	21.0	9.3	16.3	44.3	56.0	42.0	60.7	58.4
62.5°	2434.5	1951.3	70.0	21.0	9.3	18.7	49.0	70.0	56.0	81.7	84.0
65°	2560.6	1974.7	58.4	16.3	9.3	25.7	58.4	93.4	74.7	107.4	112.0
67.5°	2644.6	1988.7	49.0	16.3	9.3	30.3	81.7	121.4	93.4	135.4	140.0
70°	2653.9	1937.3	39.7	16.3	9.3	46.7	112.0	147.1	116.7	172.7	175.1
72.5°	2532.5	1790.3	32.7	18.7	9.3	51.4	130.7	170.4	137.7	228.7	231.1
75°	2047.0	1255.8	30.3	18.7	9.3	65.4	142.4	186.7	154.1	238.1	242.8
77.5°	1258.1	581.2	28.0	21.0	14.0	72.4	144.7	198.4	161.1	238.1	245.1
80°	487.8	287.1	25.7	23.3	32.7	81.7	156.4	200.7	161.1	221.7	231.1
82.5°	226.4	168.1	25.7	25.7	42.0	84.0	154.1	186.7	149.4	198.4	196.1
85°	203.1	165.7	28.0	28.0	44.3	72.4	121.4	158.7	128.4	156.4	156.4
87.5°	198.4	163.4	30.3	35.0	44.3	42.0	93.4	135.4	109.7	116.7	116.7
90°	203.1	170.4	32.7	39.7	37.3	23.3	74.7	112.0	84.0	74.7	72.4
92.5°	217.1	172.7	39.7	46.7	35.0	18.7	63.0	91.0	60.7	49.0	46.7
95°	228.7	177.4	49.0	56.0	37.3	16.3	56.0	72.4	44.3	30.3	28.0
97.5°	191.4	137.7	56.0	60.7	37.3	16.3	49.0	58.4	35.0	16.3	16.3
100°	81.7	60.7	58.4	65.4	35.0	14.0	42.0	46.7	23.3	7.0	9.3
102.5°	16.3	18.7	51.4	60.7	28.0	9.3	28.0	28.0	16.3	2.3	4.7
105°	16.3	14.0	32.7	51.4	16.3	4.7	11.7	16.3	7.0	2.3	2.3
107.5°	16.3	16.3	11.7	25.7	7.0	4.7	4.7	7.0	4.7	2.3	2.3



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CATALOG NUMBER: SDL-PA1-50-740-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	21.0	4.7	7.0	7.0	4.7	2.3	2.3	4.7	16.3	18.7
115°	21.0	18.7	7.0	7.0	4.7	4.7	2.3	2.3	4.7	18.7	21.0
117.5°	16.3	16.3	7.0	4.7	4.7	4.7	2.3	2.3	4.7	18.7	18.7
120°	18.7	16.3	7.0	4.7	2.3	2.3	2.3	2.3	4.7	14.0	14.0
122.5°	18.7	16.3	7.0	4.7	2.3	2.3	2.3	2.3	4.7	14.0	16.3
125°	16.3	14.0	7.0	4.7	2.3	2.3	2.3	2.3	7.0	14.0	14.0
127.5°	14.0	11.7	4.7	2.3	2.3	2.3	2.3	2.3	7.0	11.7	11.7
130°	9.3	9.3	4.7	2.3	2.3	2.3	2.3	2.3	7.0	9.3	9.3
132.5°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	9.3	9.3
135°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	7.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
140°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
152.5°	2.3	2.3	4.7	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
155°	7.0	7.0	7.0	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.3	2.3	2.3	2.3	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°	16.3	16.3	7.0	7.0	4.7	2.3	2.3	2.3	4.7	7.0	16.3
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110°	18.7	16.3	4.7	7.0	4.7	4.7	4.7	4.7	2.3	11.7	14.0
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(END OF REPORT)