

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: P560539

Luminaire Tested: **SDL-PA1-50-730-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560539
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-PA1-50-730-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 3982.5 lumens
Efficiency: N/A
Efficacy: 76.0 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

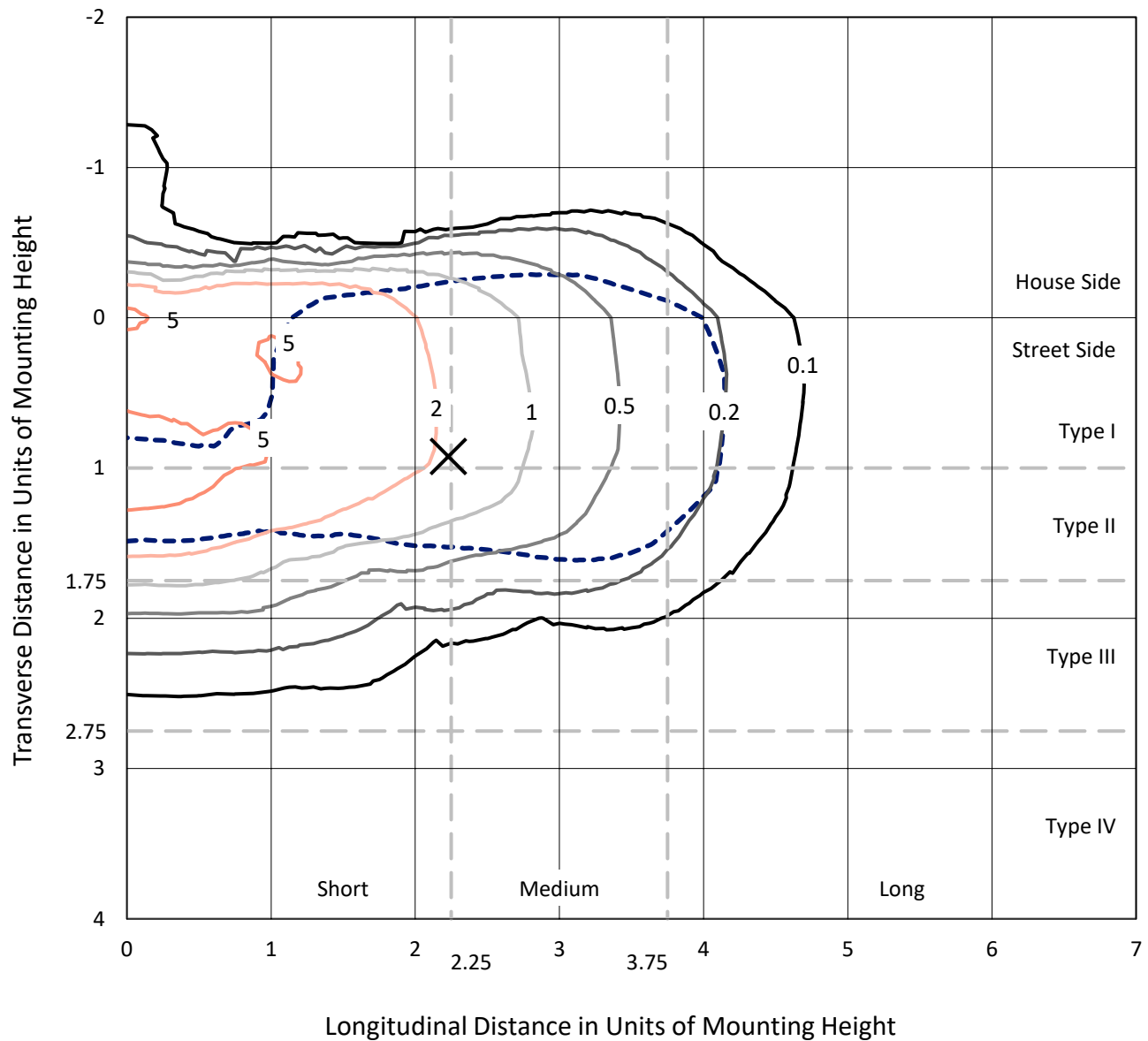


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

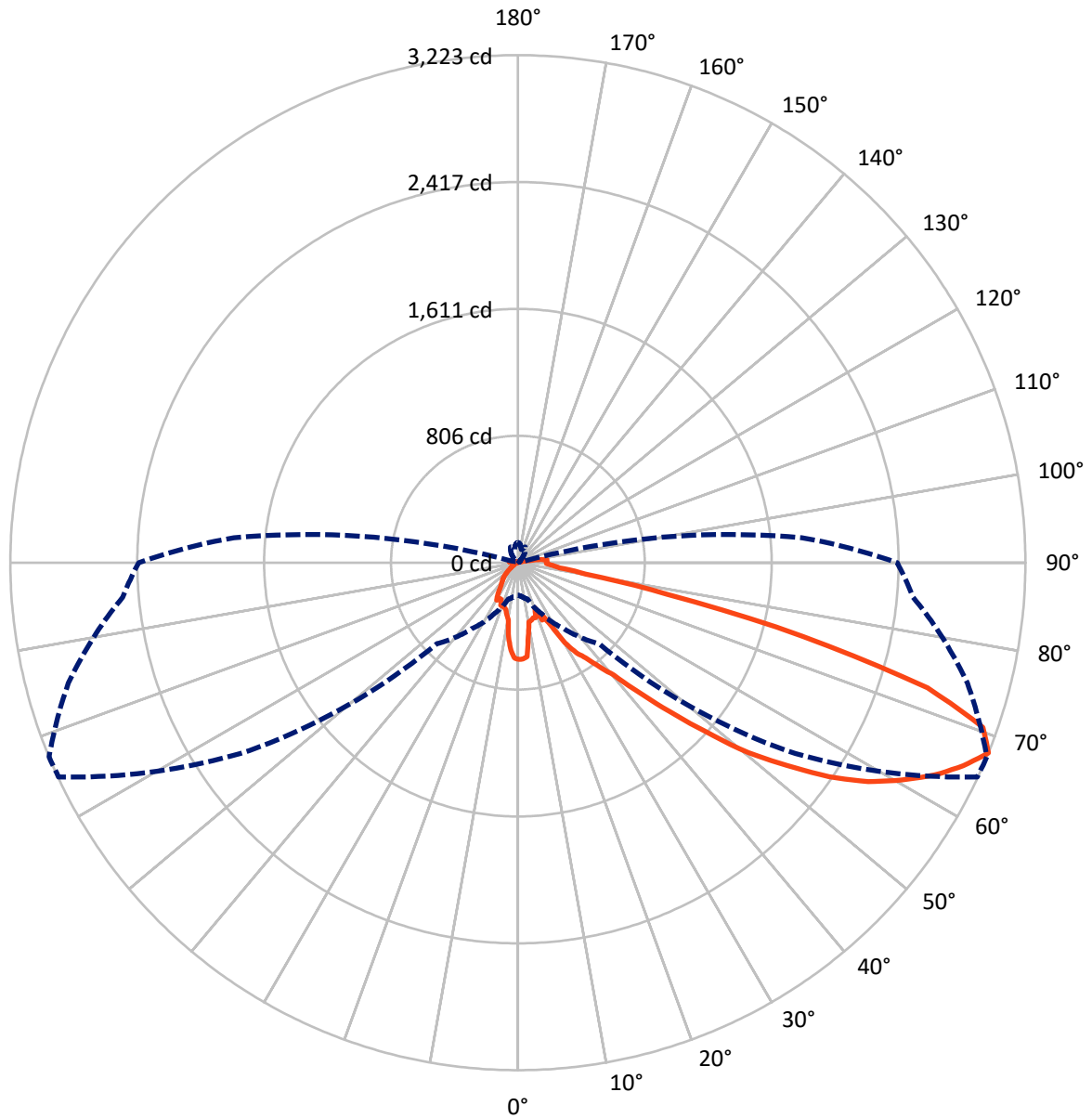


Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

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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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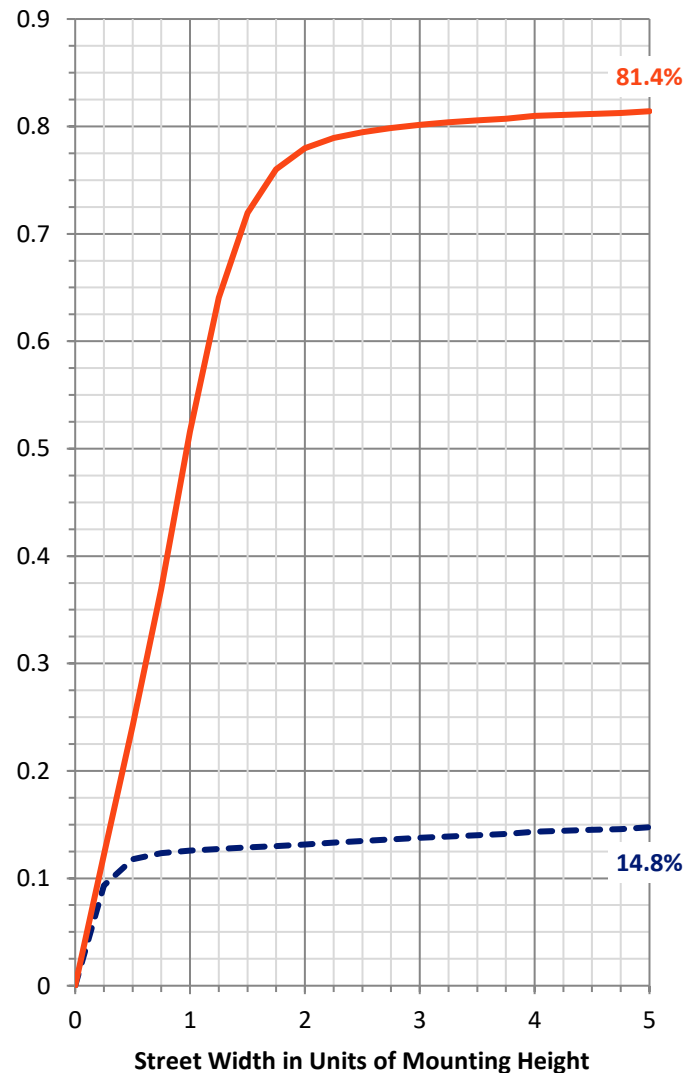
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	623.2	46.4	669.6
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	3263.5	49.4	3312.9
	% Fixture	81.9	1.2	83.2
Total	Lumens	3886.7	95.8	3982.5
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	1.2
10°-20°	90.0	2.3
20°-30°	135.8	3.4
30°-40°	312.8	7.9
40°-50°	697.3	17.5
50°-60°	1037.5	26.1
60°-70°	925.3	23.2
70°-80°	519.4	13.0
80°-90°	121.3	3.0
90°-100°	66.6	1.7
100°-110°	15.4	0.4
110°-120°	6.0	0.2
120°-130°	4.0	0.1
130°-140°	2.1	0.1
140°-150°	1.0	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3886.7	97.6
0°-180°	3982.5	100.0



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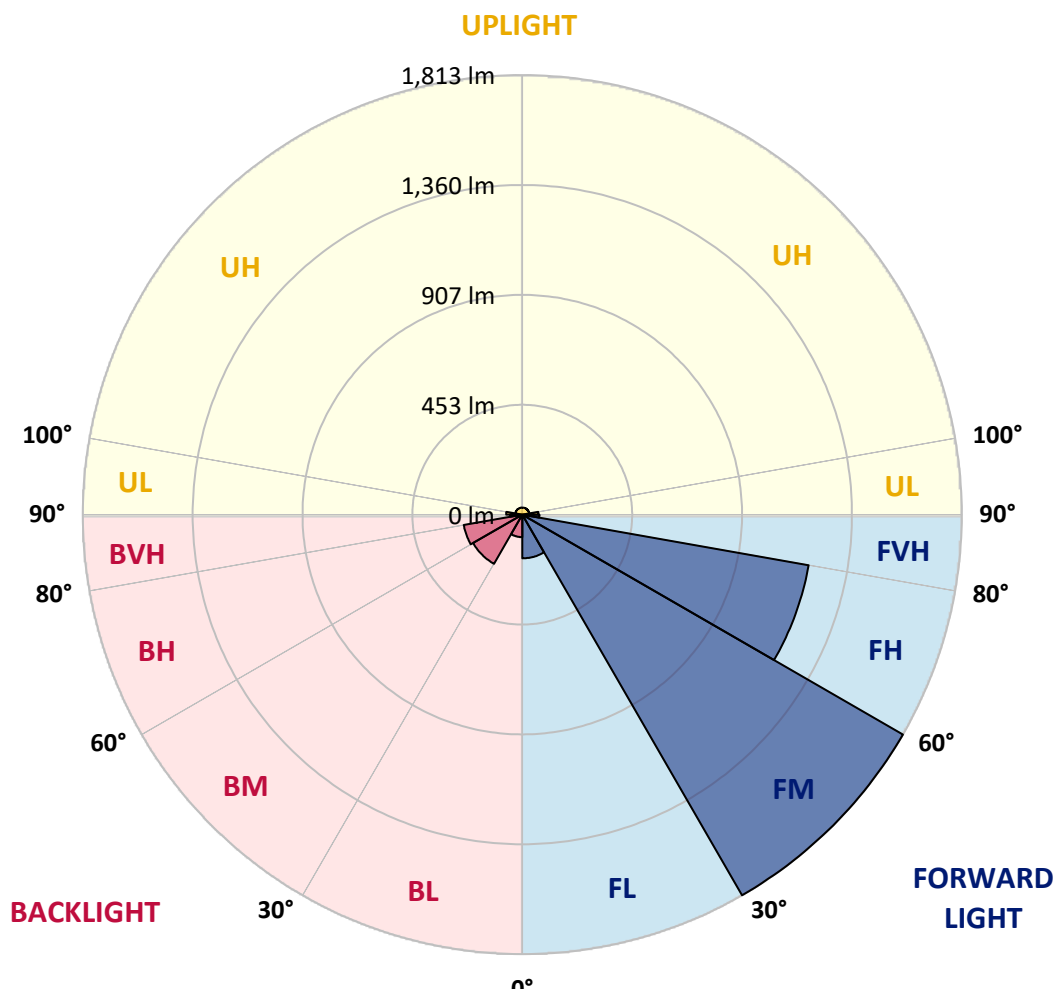
CATALOG NUMBER: SDL-PA1-50-730-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.2	4.5			
FM	(30°-60°)	1813.4	45.5			
FH	(60°-80°)	1199.6	30.1			G1/1800
FVH	(80°-90°)	70.4	1.8			G1/100
BL	(0°-30°)	92.9	2.3	B0/110		
BM	(30°-60°)	234.2	5.9	B1/1000		
BH	(60°-80°)	245.2	6.2	B1/500		G1/500
BVH	(80°-90°)	50.9	1.3			G1/100
UL	(90°-100°)	66.6	1.7		U3/500	
UH	(100°-180°)	29.2	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°	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3
2.5°	520.8	550.6	582.5	603.7	608.0	614.3	614.3	612.2	612.2	610.1	610.1
5°	505.9	503.8	505.9	510.2	508.1	508.1	508.1	593.1	599.5	603.7	603.7
7.5°	435.8	446.4	480.4	493.2	497.4	501.7	501.7	495.3	471.9	522.9	529.3
10°	474.0	471.9	471.9	476.2	444.3	431.5	389.0	382.6	382.6	399.6	454.9
12.5°	397.5	420.9	452.8	465.5	429.4	380.5	369.9	378.4	376.3	329.5	384.8
15°	450.7	450.7	446.4	437.9	338.0	378.4	318.9	318.9	363.5	391.1	440.0
17.5°	365.6	376.3	429.4	423.0	372.0	284.8	372.0	342.2	367.8	344.4	369.9
20°	448.5	446.4	448.5	342.2	378.4	391.1	372.0	333.7	304.0	399.6	442.2
22.5°	369.9	365.6	386.9	423.0	357.1	406.0	340.1	406.0	395.4	355.0	318.9
25°	478.3	476.2	480.4	374.1	418.8	363.5	418.8	363.5	380.5	454.9	465.5
27.5°	431.5	429.4	423.0	457.0	397.5	459.2	395.4	444.3	457.0	493.2	571.8
30°	608.0	599.5	578.2	459.2	467.7	442.2	467.7	546.3	588.8	661.1	684.5
32.5°	886.4	841.8	701.5	608.0	495.3	565.4	529.3	642.0	682.4	718.5	737.6
35°	1145.8	1126.6	1024.6	803.5	603.7	625.0	597.3	718.5	741.9	818.4	814.2
37.5°	1500.8	1468.9	1311.6	1037.4	758.9	750.4	680.2	818.4	835.4	946.0	924.7
40°	1766.5	1741.0	1617.7	1288.2	965.1	890.7	795.0	956.6	937.5	1086.3	1056.5
42.5°	2021.6	2006.7	1911.0	1575.2	1192.5	1107.5	914.1	1126.6	1122.4	1252.1	1226.6
45°	2227.8	2210.8	2149.1	1832.4	1454.0	1456.1	1101.1	1313.7	1343.5	1466.8	1400.9
47.5°	2348.9	2312.8	2268.2	2036.5	1717.6	1789.9	1377.5	1526.3	1598.6	1704.8	1604.9
50°	2321.3	2285.2	2289.4	2166.1	1959.9	2076.8	1673.0	1751.6	1896.2	1979.1	1781.4
52.5°	2100.2	2079.0	2149.1	2142.7	2083.2	2340.4	2017.3	1996.1	2138.5	2193.8	1962.1
55°	1785.6	1755.9	1887.7	1981.2	2083.2	2504.1	2336.2	2268.2	2397.8	2389.3	2085.4
57.5°	1356.2	1366.9	1515.7	1662.3	1913.2	2536.0	2572.1	2563.6	2623.2	2550.9	2183.1
60°	926.8	933.2	1143.6	1309.5	1568.8	2368.1	2648.7	2808.1	2801.7	2686.9	2293.7
62.5°	582.5	580.3	739.8	1001.2	1128.8	1928.0	2618.9	2993.0	2969.7	2789.0	2378.7
65°	335.9	344.4	401.8	663.2	784.4	1315.8	2446.7	3173.7	3107.8	2880.4	2470.1
67.5°	206.2	212.6	240.2	359.3	512.3	727.0	2081.1	3218.4	3222.6	2954.8	2519.0
70°	174.3	176.4	189.2	221.1	357.1	408.1	1400.9	3010.0	3133.3	2971.8	2504.1
72.5°	146.7	148.8	167.9	193.4	265.7	289.1	629.2	2487.1	2720.9	2842.1	2395.7
75°	108.4	110.5	138.2	176.4	193.4	231.7	344.4	1647.4	1868.5	2246.9	2042.8
77.5°	70.1	72.3	97.8	142.4	163.7	182.8	278.5	769.5	973.6	1298.8	1290.3
80°	46.8	46.8	57.4	99.9	129.7	148.8	242.3	380.5	433.7	535.7	501.7
82.5°	29.8	29.8	36.1	61.6	82.9	148.8	227.5	272.1	263.6	267.8	238.1
85°	12.8	12.8	19.1	34.0	44.6	97.8	204.1	233.8	223.2	223.2	212.6
87.5°	4.3	4.3	6.4	10.6	14.9	29.8	157.3	187.1	180.7	187.1	201.9
90°	4.3	4.3	2.1	4.3	4.3	21.3	127.5	184.9	180.7	189.2	208.3
92.5°	6.4	6.4	2.1	2.1	4.3	17.0	99.9	191.3	184.9	197.7	216.8
95°	10.6	10.6	4.3	2.1	6.4	14.9	61.6	170.1	184.9	195.6	221.1
97.5°	12.8	12.8	4.3	4.3	6.4	12.8	31.9	138.2	142.4	148.8	174.3
100°	17.0	17.0	4.3	4.3	4.3	10.6	17.0	72.3	74.4	53.1	85.0
102.5°	17.0	17.0	4.3	4.3	4.3	6.4	8.5	31.9	29.8	10.6	10.6
105°	19.1	19.1	6.4	4.3	4.3	4.3	4.3	10.6	10.6	6.4	12.8
107.5°	19.1	19.1	6.4	6.4	4.3	4.3	2.1	4.3	6.4	6.4	12.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	10.6	10.6	4.3	6.4	4.3	2.1	2.1	2.1	4.3	8.5	21.3
115°	4.3	4.3	2.1	4.3	2.1	2.1	2.1	4.3	4.3	6.4	17.0
117.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	2.1	6.4	14.9
120°	2.1	2.1	0.0	2.1	2.1	2.1	2.1	2.1	2.1	8.5	14.9
122.5°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	8.5	14.9
125°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	6.4	12.8
127.5°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	4.3	12.8
130°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	4.3	8.5
132.5°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	4.3	6.4
135°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1	4.3
137.5°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1	2.1
140°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	2.1	2.1	4.3	4.3	2.1	0.0	4.3	2.1	2.1	2.1	2.1
152.5°	4.3	4.3	4.3	4.3	2.1	0.0	2.1	4.3	2.1	2.1	2.1
155°	4.3	4.3	2.1	2.1	2.1	0.0	2.1	2.1	2.1	4.3	6.4
157.5°	0.0	0.0	0.0	0.0	2.1	0.0	2.1	2.1	0.0	0.0	2.1
160°	0.0	0.0	0.0	0.0	2.1	0.0	2.1	2.1	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°	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3
2.5°	608.0	608.0	605.8	605.8	599.5	597.3	569.7	539.9	516.6	518.7	518.7
5°	601.6	597.3	591.0	548.4	495.3	486.8	486.8	482.5	480.4	482.5	482.5
7.5°	525.1	520.8	495.3	474.0	476.2	471.9	463.4	461.3	425.1	389.0	386.9
10°	452.8	446.4	378.4	363.5	361.4	376.3	412.4	399.6	386.9	372.0	378.4
12.5°	378.4	376.3	314.6	348.6	304.0	312.5	321.0	308.2	263.6	212.6	219.0
15°	437.9	431.5	357.1	289.1	259.3	261.5	172.2	165.8	133.9	121.2	114.8
17.5°	325.2	357.1	312.5	289.1	261.5	136.0	110.5	85.0	76.5	61.6	63.8
20°	435.8	427.3	357.1	270.0	201.9	114.8	61.6	48.9	59.5	61.6	61.6
22.5°	308.2	299.7	301.9	287.0	142.4	65.9	46.8	48.9	44.6	42.5	42.5
25°	452.8	437.9	365.6	219.0	106.3	42.5	44.6	34.0	40.4	40.4	40.4
27.5°	550.6	499.5	384.8	212.6	59.5	42.5	31.9	34.0	27.6	27.6	27.6
30°	659.0	629.2	503.8	197.7	46.8	34.0	29.8	23.4	25.5	25.5	25.5
32.5°	707.9	667.5	503.8	157.3	40.4	31.9	23.4	21.3	21.3	23.4	23.4
35°	778.0	735.5	501.7	104.2	34.0	25.5	19.1	19.1	19.1	19.1	19.1
37.5°	884.3	822.7	510.2	65.9	27.6	21.3	14.9	17.0	17.0	36.1	36.1
40°	1003.3	933.2	486.8	46.8	23.4	17.0	12.8	21.3	29.8	31.9	31.9
42.5°	1154.3	1077.8	452.8	40.4	21.3	12.8	10.6	17.0	25.5	40.4	40.4
45°	1335.0	1220.2	406.0	36.1	17.0	10.6	10.6	21.3	31.9	38.3	38.3
47.5°	1496.5	1358.3	325.2	34.0	14.9	8.5	14.9	23.4	27.6	44.6	44.6
50°	1685.7	1502.9	248.7	29.8	12.8	8.5	23.4	25.5	31.9	40.4	40.4
52.5°	1826.0	1624.1	189.2	27.6	12.8	6.4	23.4	23.4	36.1	46.8	46.8
55°	1938.7	1690.0	136.0	23.4	10.6	6.4	27.6	29.8	31.9	36.1	36.1
57.5°	2025.8	1736.7	106.3	21.3	10.6	14.9	34.0	38.3	34.0	36.1	36.1
60°	2125.7	1760.1	78.7	19.1	8.5	14.9	40.4	51.0	38.3	55.3	53.1
62.5°	2217.1	1777.1	63.8	19.1	8.5	17.0	44.6	63.8	51.0	74.4	76.5
65°	2331.9	1798.4	53.1	14.9	8.5	23.4	53.1	85.0	68.0	97.8	102.0
67.5°	2408.5	1811.1	44.6	14.9	8.5	27.6	74.4	110.5	85.0	123.3	127.5
70°	2417.0	1764.4	36.1	14.9	8.5	42.5	102.0	133.9	106.3	157.3	159.4
72.5°	2306.4	1630.4	29.8	17.0	8.5	46.8	119.0	155.2	125.4	208.3	210.4
75°	1864.3	1143.6	27.6	17.0	8.5	59.5	129.7	170.1	140.3	216.8	221.1
77.5°	1145.8	529.3	25.5	19.1	12.8	65.9	131.8	180.7	146.7	216.8	223.2
80°	444.3	261.5	23.4	21.3	29.8	74.4	142.4	182.8	146.7	201.9	210.4
82.5°	206.2	153.1	23.4	23.4	38.3	76.5	140.3	170.1	136.0	180.7	178.6
85°	184.9	150.9	25.5	25.5	40.4	65.9	110.5	144.6	116.9	142.4	142.4
87.5°	180.7	148.8	27.6	31.9	40.4	38.3	85.0	123.3	99.9	106.3	106.3
90°	184.9	155.2	29.8	36.1	34.0	21.3	68.0	102.0	76.5	68.0	65.9
92.5°	197.7	157.3	36.1	42.5	31.9	17.0	57.4	82.9	55.3	44.6	42.5
95°	208.3	161.6	44.6	51.0	34.0	14.9	51.0	65.9	40.4	27.6	25.5
97.5°	174.3	125.4	51.0	55.3	34.0	14.9	44.6	53.1	31.9	14.9	14.9
100°	74.4	55.3	53.1	59.5	31.9	12.8	38.3	42.5	21.3	6.4	8.5
102.5°	14.9	17.0	46.8	55.3	25.5	8.5	25.5	25.5	14.9	2.1	4.3
105°	14.9	12.8	29.8	46.8	14.9	4.3	10.6	14.9	6.4	2.1	2.1
107.5°	14.9	14.9	10.6	23.4	6.4	4.3	4.3	6.4	4.3	2.1	2.1



REPORT NUMBER: P560539

CATALOG NUMBER: SDL-PA1-50-730-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.3	19.1	4.3	6.4	6.4	4.3	2.1	2.1	4.3	14.9	17.0
115°	19.1	17.0	6.4	6.4	4.3	4.3	2.1	2.1	4.3	17.0	19.1
117.5°	14.9	14.9	6.4	4.3	4.3	4.3	2.1	2.1	4.3	17.0	17.0
120°	17.0	14.9	6.4	4.3	2.1	2.1	2.1	2.1	4.3	12.8	12.8
122.5°	17.0	14.9	6.4	4.3	2.1	2.1	2.1	2.1	4.3	12.8	14.9
125°	14.9	12.8	6.4	4.3	2.1	2.1	2.1	2.1	6.4	12.8	12.8
127.5°	12.8	10.6	4.3	2.1	2.1	2.1	2.1	2.1	6.4	10.6	10.6
130°	8.5	8.5	4.3	2.1	2.1	2.1	2.1	2.1	6.4	8.5	8.5
132.5°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	4.3	8.5	8.5
135°	6.4	4.3	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
140°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1
145°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1
150°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
152.5°	2.1	2.1	4.3	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
155°	6.4	6.4	6.4	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
157.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.1	2.1	2.1	2.1	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



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110°	14.9	14.9	6.4	6.4	4.3	2.1	2.1	2.1	4.3	6.4	14.9
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110°	17.0	14.9	4.3	6.4	4.3	4.3	4.3	4.3	2.1	10.6	12.8
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(END OF REPORT)