

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: P560657

Luminaire Tested: **SDL-PA1-50-830-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-830-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3467.6 lumens
Efficiency: N/A
Efficacy: 66.2 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): 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

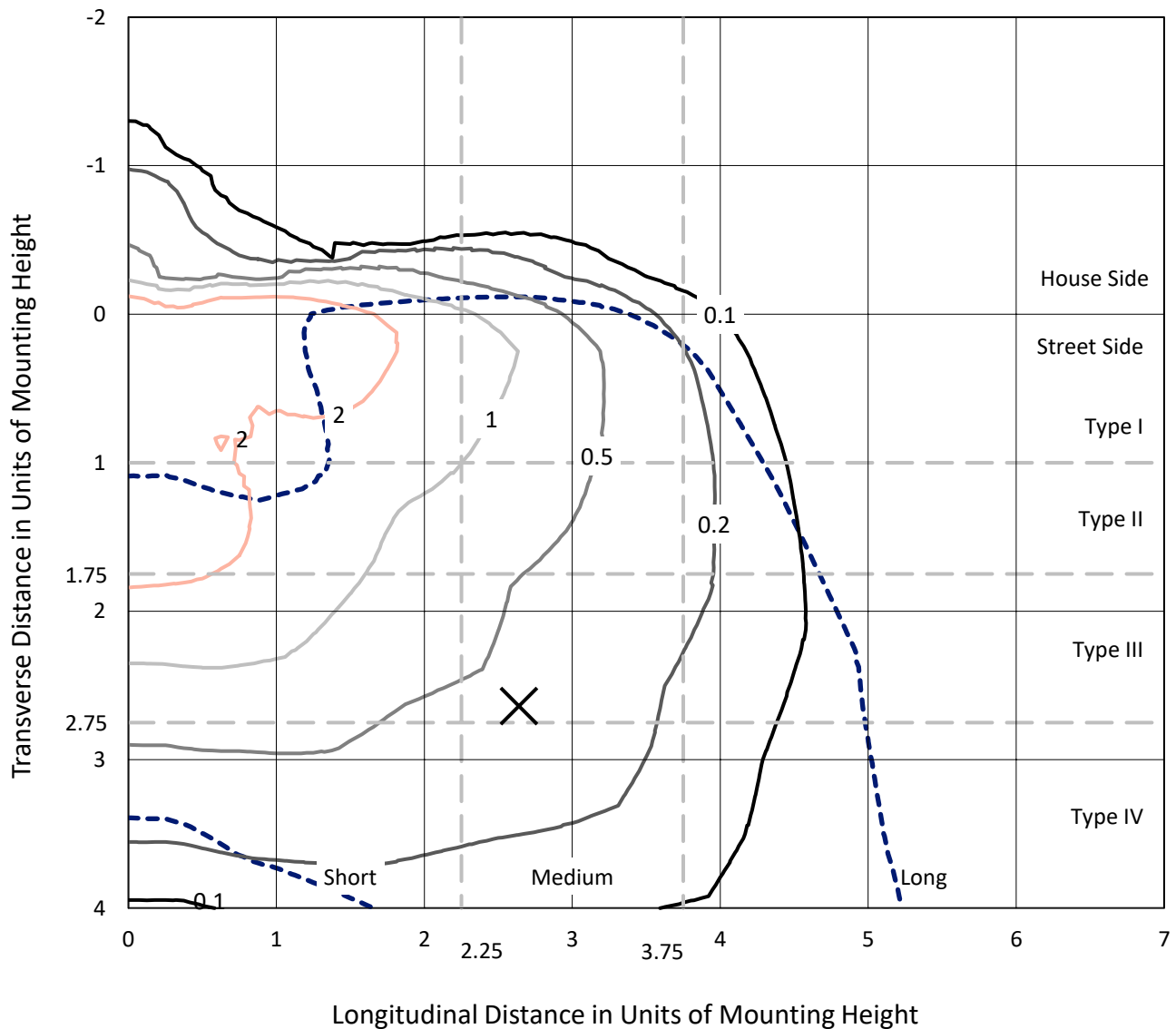


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

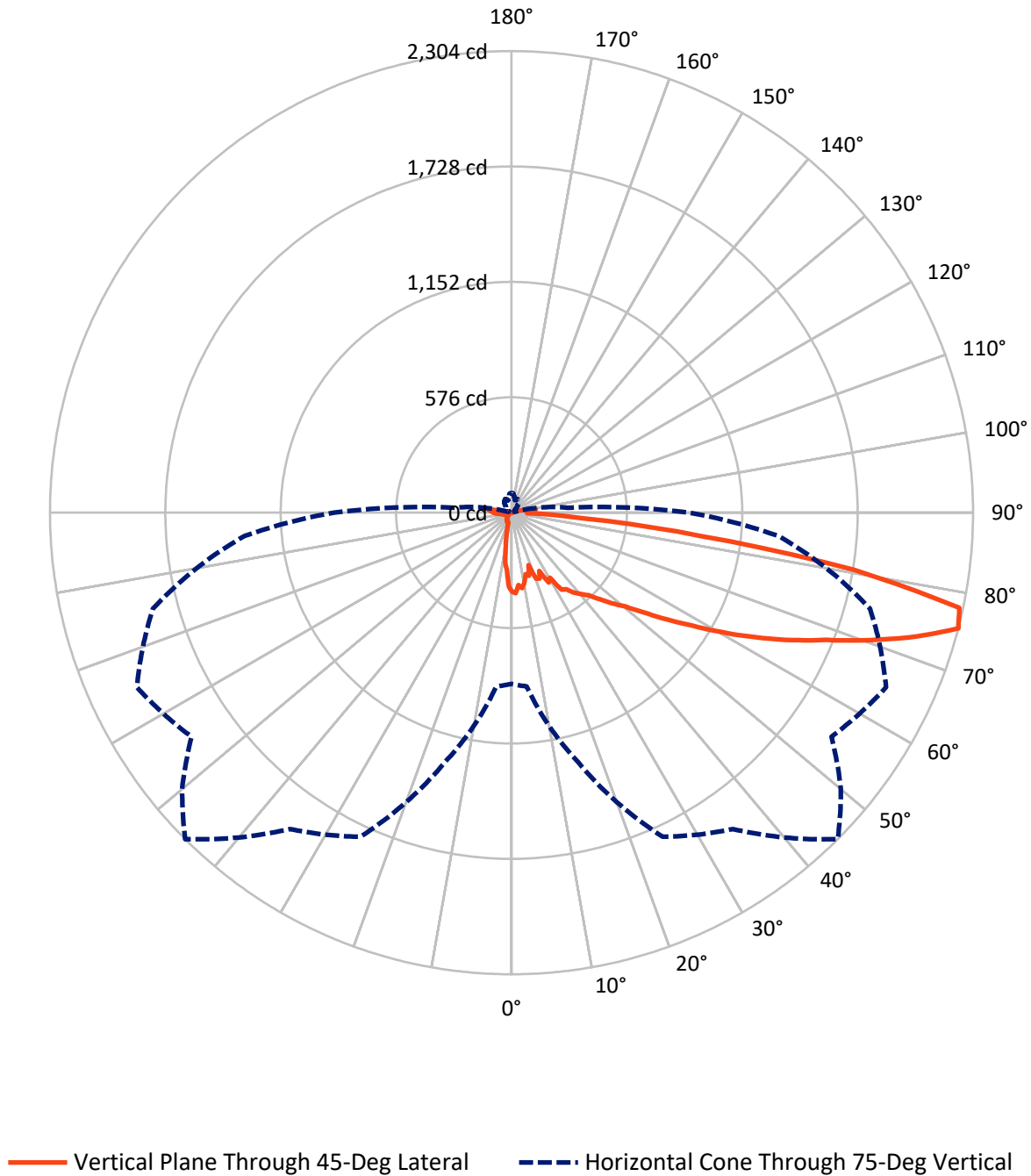


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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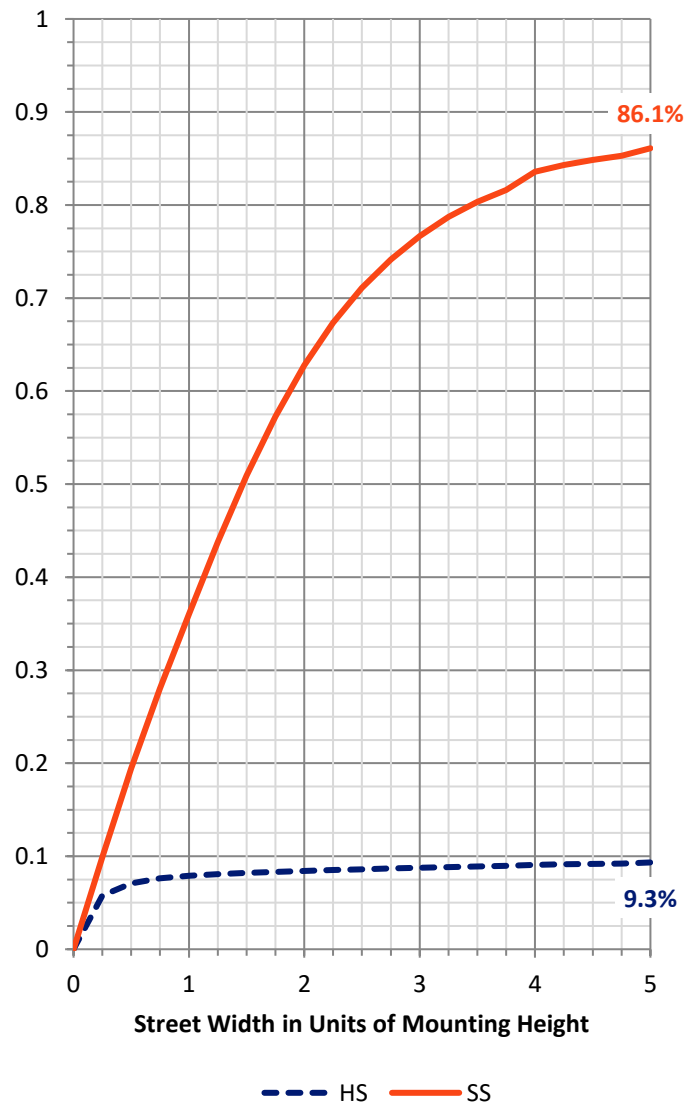
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	355.8	62.3	418.1
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	3001.4	48.2	3049.5
	% Fixture	86.6	1.4	87.9
Total	Lumens	3357.2	110.4	3467.6
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	0.9
10°-20°	66.4	1.9
20°-30°	111.3	3.2
30°-40°	206.4	6.0
40°-50°	347.8	10.0
50°-60°	624.3	18.0
60°-70°	937.4	27.0
70°-80°	857.6	24.7
80°-90°	175.3	5.1
90°-100°	83.9	2.4
100°-110°	17.9	0.5
110°-120°	3.4	0.1
120°-130°	2.7	0.1
130°-140°	1.2	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3357.2	96.8
0°-180°	3467.6	100.0

Coefficient of Utilization



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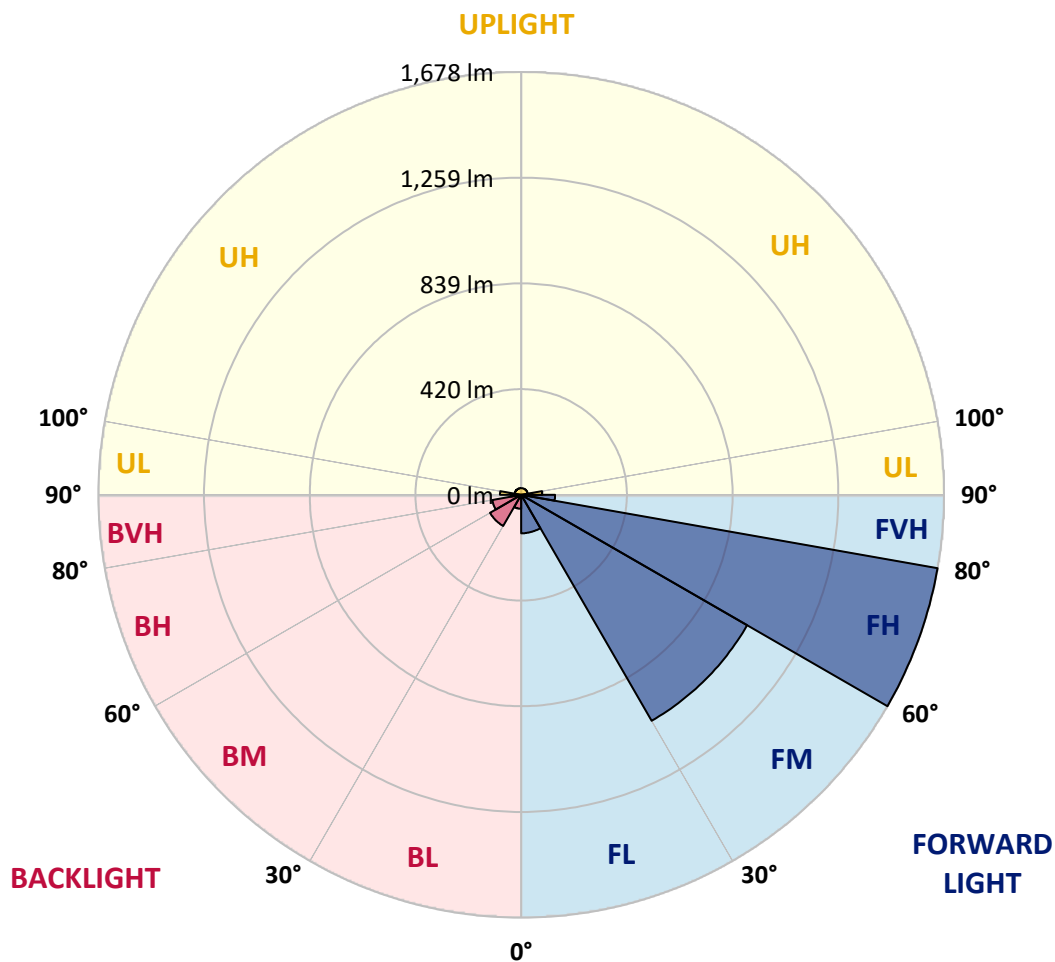
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.8	4.4			
FM	(30°-60°)	1035.7	29.9			
FH	(60°-80°)	1678.4	48.4			G1/1800
FVH	(80°-90°)	134.5	3.9			G2/225
BL	(0°-30°)	55.6	1.6	B0/110		
BM	(30°-60°)	142.8	4.1	B0/220		
BH	(60°-80°)	116.6	3.4	B1/500		G1/500
BVH	(80°-90°)	40.9	1.2			G1/100
UL	(90°-100°)	83.9	2.4		U3/500	
UH	(100°-180°)	26.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	395.1	395.1	395.1	395.1	395.1	395.1	395.1	395.1	395.1	395.1	395.1
2.5°	384.0	402.5	397.0	406.2	404.4	402.5	402.5	404.4	402.5	398.8	395.1
5°	391.4	385.8	382.1	380.3	372.8	363.6	359.9	356.1	395.1	395.1	387.7
7.5°	402.5	402.5	395.1	389.5	389.5	380.3	371.0	363.6	345.0	339.4	339.4
10°	428.5	424.8	419.2	408.1	352.4	354.3	333.9	293.1	274.5	281.9	293.1
12.5°	434.0	432.2	424.8	422.9	371.0	315.3	261.5	293.1	280.1	233.7	259.7
15°	465.6	461.9	447.0	421.1	317.2	326.5	304.2	261.5	250.4	285.7	306.1
17.5°	397.0	397.0	445.2	408.1	345.0	274.5	272.7	304.2	274.5	256.0	254.1
20°	487.8	487.8	467.4	333.9	354.3	350.6	281.9	319.0	269.0	304.2	324.6
22.5°	406.2	404.4	419.2	413.6	339.4	358.0	289.4	291.2	320.9	274.5	235.6
25°	495.3	495.3	484.1	359.9	385.8	322.8	330.2	348.7	285.7	346.9	350.6
27.5°	426.6	424.8	404.4	411.8	359.9	395.1	300.5	328.3	350.6	374.7	411.8
30°	521.2	524.9	515.7	391.4	400.7	376.5	358.0	380.3	424.8	499.0	523.1
32.5°	643.7	647.4	549.1	471.1	402.5	458.2	384.0	419.2	487.8	523.1	549.1
35°	716.0	688.2	645.5	526.8	434.0	469.3	441.5	447.0	508.2	563.9	582.4
37.5°	777.2	740.1	690.0	543.5	458.2	506.4	460.0	467.4	550.9	601.0	625.1
40°	797.6	775.4	747.5	580.6	487.8	534.2	482.3	499.0	591.7	649.2	686.3
42.5°	847.7	849.5	832.9	632.5	519.4	563.9	519.4	530.5	645.5	716.0	769.8
45°	981.2	985.0	966.4	721.6	558.3	615.8	578.7	584.3	706.7	818.0	886.6
47.5°	1151.9	1138.9	1120.4	840.3	617.7	675.2	647.4	641.8	779.1	951.6	1012.8
50°	1324.4	1300.3	1261.3	1003.5	719.7	736.4	717.9	714.1	866.2	1088.8	1155.6
52.5°	1504.3	1485.8	1404.2	1157.5	871.8	825.4	805.0	825.4	979.4	1240.9	1302.1
55°	1598.9	1580.4	1528.4	1322.6	1018.3	940.4	905.2	942.3	1153.8	1383.8	1463.5
57.5°	1676.8	1671.3	1647.2	1495.1	1196.4	1062.9	1027.6	1062.9	1292.9	1517.3	1611.9
60°	1788.1	1765.9	1788.1	1662.0	1368.9	1213.1	1164.9	1202.0	1463.5	1634.2	1775.1
62.5°	1867.9	1862.3	1906.8	1849.3	1513.6	1370.8	1300.3	1335.5	1613.8	1758.5	1936.5
65°	1782.6	1810.4	1988.5	1971.8	1676.8	1532.2	1458.0	1446.8	1736.2	1892.0	2109.0
67.5°	1630.5	1649.0	1908.7	2034.8	1819.7	1695.4	1606.4	1554.4	1849.3	2012.6	2246.3
70°	1485.8	1508.0	1745.5	2038.5	1888.3	1905.0	1780.7	1684.3	1962.5	2148.0	2276.0
72.5°	1370.8	1391.2	1604.5	1994.0	1912.4	2114.6	1971.8	1821.5	2071.9	2151.7	1988.5
75°	855.1	870.0	1291.0	1784.4	1927.3	2303.8	2146.1	1949.5	2062.7	1853.1	1337.4
77.5°	263.4	269.0	552.8	1177.9	1675.0	2285.2	2116.5	1832.7	1728.8	1176.0	610.3
80°	90.9	92.7	142.8	419.2	1001.7	1734.3	1613.8	1348.5	1033.2	434.0	230.0
82.5°	42.7	46.4	66.8	141.0	408.1	947.9	953.4	801.3	434.0	192.9	155.8
85°	14.8	14.8	27.8	61.2	157.7	365.4	346.9	322.8	228.2	174.4	144.7
87.5°	5.6	5.6	9.3	16.7	39.0	77.9	98.3	120.6	120.6	122.4	146.5
90°	5.6	5.6	3.7	3.7	27.8	81.6	98.3	109.4	100.2	111.3	159.5
92.5°	5.6	5.6	3.7	3.7	29.7	94.6	109.4	118.7	105.7	118.7	176.2
95°	5.6	5.6	3.7	3.7	33.4	115.0	128.0	126.1	105.7	124.3	189.2
97.5°	7.4	7.4	3.7	1.9	29.7	122.4	137.3	133.6	90.9	94.6	148.4
100°	7.4	7.4	3.7	1.9	18.5	90.9	109.4	107.6	59.4	14.8	42.7
102.5°	7.4	7.4	3.7	1.9	3.7	42.7	51.9	53.8	35.2	5.6	7.4
105°	9.3	9.3	3.7	1.9	1.9	7.4	16.7	22.3	13.0	3.7	7.4
107.5°	9.3	9.3	3.7	1.9	1.9	3.7	3.7	5.6	5.6	3.7	9.3
110°	9.3	9.3	3.7	3.7	1.9	1.9	1.9	1.9	3.7	3.7	9.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	7.4	7.4	1.9	3.7	1.9	1.9	1.9	1.9	1.9	3.7	9.3
115°	3.7	3.7	1.9	1.9	0.0	1.9	1.9	1.9	1.9	3.7	7.4
117.5°	1.9	1.9	0.0	1.9	0.0	1.9	1.9	1.9	3.7	3.7	9.3
120°	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	5.6	11.1
122.5°	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	5.6	11.1
125°	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	5.6	11.1
127.5°	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	5.6	9.3
130°	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	3.7	7.4
132.5°	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	3.7	5.6
135°	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	3.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
145°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	5.6	5.6	3.7	1.9	0.0	0.0	1.9	1.9	1.9	1.9	1.9
152.5°	3.7	3.7	5.6	1.9	0.0	0.0	1.9	1.9	3.7	1.9	1.9
155°	3.7	3.7	1.9	0.0	0.0	0.0	0.0	1.9	1.9	3.7	3.7
157.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
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°	395.1	395.1	395.1	395.1	395.1	395.1	395.1	395.1	395.1	395.1	395.1
2.5°	391.4	389.5	384.0	380.3	374.7	369.1	341.3	324.6	322.8	320.9	322.8
5°	384.0	378.4	369.1	326.5	306.1	287.5	281.9	278.2	269.0	269.0	270.8
7.5°	332.0	328.3	298.6	285.7	269.0	252.3	237.4	226.3	198.5	189.2	185.5
10°	291.2	283.8	231.9	205.9	189.2	170.7	170.7	155.8	148.4	142.8	141.0
12.5°	252.3	246.7	204.0	187.3	141.0	122.4	113.1	103.9	98.3	94.6	92.7
15°	294.9	285.7	218.9	150.2	103.9	87.2	68.6	66.8	83.5	87.2	89.0
17.5°	235.6	241.1	194.8	131.7	85.3	53.8	59.4	70.5	79.8	79.8	77.9
20°	313.5	300.5	211.5	105.7	61.2	53.8	57.5	51.9	74.2	79.8	79.8
22.5°	228.2	217.0	174.4	98.3	48.2	51.9	48.2	61.2	68.6	61.2	63.1
25°	339.4	322.8	202.2	68.6	50.1	44.5	55.6	48.2	66.8	72.3	74.2
27.5°	421.1	365.4	198.5	64.9	44.5	50.1	46.4	55.6	53.8	57.5	57.5
30°	502.7	471.1	224.4	59.4	44.5	42.7	48.2	48.2	61.2	66.8	66.8
32.5°	537.9	500.8	196.6	57.5	44.5	42.7	42.7	51.9	57.5	68.6	68.6
35°	575.0	524.9	165.1	53.8	42.7	40.8	40.8	51.9	61.2	68.6	70.5
37.5°	625.1	550.9	133.6	51.9	40.8	39.0	35.2	46.4	64.9	72.3	74.2
40°	688.2	588.0	103.9	48.2	37.1	35.2	33.4	46.4	55.6	64.9	64.9
42.5°	786.5	628.8	81.6	46.4	35.2	31.5	31.5	39.0	53.8	61.2	61.2
45°	886.6	677.0	68.6	44.5	33.4	29.7	29.7	39.0	40.8	51.9	51.9
47.5°	997.9	725.3	63.1	42.7	33.4	26.0	26.0	35.2	35.2	48.2	50.1
50°	1112.9	766.1	59.4	40.8	29.7	24.1	29.7	24.1	29.7	46.4	50.1
52.5°	1213.1	799.5	55.6	37.1	27.8	22.3	27.8	24.1	29.7	42.7	42.7
55°	1315.1	818.0	53.8	35.2	26.0	18.5	27.8	26.0	27.8	39.0	39.0
57.5°	1406.0	823.6	51.9	35.2	22.3	16.7	26.0	31.5	24.1	31.5	35.2
60°	1487.6	818.0	46.4	31.5	16.7	16.7	27.8	37.1	33.4	37.1	37.1
62.5°	1563.7	797.6	37.1	26.0	13.0	16.7	35.2	40.8	31.5	39.0	42.7
65°	1628.6	769.8	27.8	20.4	9.3	18.5	37.1	46.4	37.1	44.5	48.2
67.5°	1658.3	732.7	22.3	16.7	9.3	20.4	39.0	51.9	42.7	50.1	53.8
70°	1608.2	656.6	18.5	16.7	7.4	24.1	40.8	55.6	48.2	63.1	64.9
72.5°	1335.5	515.7	16.7	16.7	13.0	29.7	51.9	63.1	59.4	85.3	83.5
75°	884.8	281.9	16.7	14.8	16.7	35.2	63.1	74.2	64.9	96.5	96.5
77.5°	408.1	124.3	14.8	16.7	18.5	39.0	72.3	89.0	74.2	109.4	107.6
80°	178.1	76.1	14.8	14.8	20.4	42.7	81.6	100.2	81.6	120.6	120.6
82.5°	133.6	68.6	13.0	14.8	27.8	48.2	94.6	111.3	90.9	129.8	128.0
85°	124.3	64.9	14.8	16.7	31.5	61.2	111.3	120.6	94.6	133.6	133.6
87.5°	126.1	63.1	14.8	16.7	42.7	77.9	126.1	129.8	103.9	141.0	141.0
90°	129.8	64.9	16.7	18.5	48.2	85.3	141.0	139.1	116.9	148.4	148.4
92.5°	139.1	64.9	18.5	20.4	51.9	94.6	154.0	142.8	126.1	154.0	150.2
95°	144.7	64.9	20.4	22.3	61.2	103.9	163.2	139.1	133.6	142.8	139.1
97.5°	107.6	48.2	24.1	26.0	63.1	116.9	150.2	118.7	87.2	85.3	87.2
100°	35.2	16.7	26.0	27.8	40.8	81.6	111.3	85.3	46.4	35.2	35.2
102.5°	9.3	9.3	24.1	26.0	22.3	35.2	64.9	55.6	31.5	1.9	3.7
105°	9.3	7.4	14.8	20.4	13.0	9.3	26.0	31.5	24.1	1.9	1.9
107.5°	9.3	7.4	7.4	11.1	3.7	3.7	7.4	7.4	7.4	1.9	1.9
110°	9.3	7.4	3.7	3.7	3.7	3.7	3.7	1.9	1.9	3.7	3.7

REPORT NUMBER: P560657

CATALOG NUMBER: SDL-PA1-50-830-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.1	7.4	3.7	3.7	3.7	1.9	1.9	1.9	1.9	5.6	7.4
115°	9.3	7.4	1.9	3.7	1.9	1.9	1.9	1.9	3.7	7.4	9.3
117.5°	9.3	7.4	1.9	1.9	1.9	1.9	1.9	1.9	3.7	9.3	11.1
120°	11.1	9.3	1.9	1.9	1.9	1.9	1.9	1.9	3.7	11.1	11.1
122.5°	11.1	9.3	1.9	1.9	1.9	1.9	0.0	1.9	5.6	11.1	11.1
125°	11.1	9.3	1.9	1.9	1.9	0.0	0.0	1.9	5.6	11.1	13.0
127.5°	9.3	7.4	1.9	1.9	1.9	0.0	0.0	1.9	3.7	9.3	11.1
130°	7.4	5.6	1.9	1.9	1.9	0.0	0.0	0.0	3.7	9.3	9.3
132.5°	5.6	3.7	1.9	1.9	1.9	0.0	0.0	0.0	3.7	7.4	7.4
135°	3.7	3.7	1.9	1.9	1.9	0.0	0.0	0.0	1.9	5.6	5.6
137.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
140°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.7	3.7	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.9	1.9	1.9	1.9	0.0	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

(END OF REPORT)