

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: P560476

Luminaire Tested: **SDL-PA1-40-830-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560476
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-PA1-40-830-U-T3-A
Description: Springdale
(1) 80 CRI, 3000K, 500mA 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: 3689.1 lumens
Efficiency: N/A
Efficacy: 93.6 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): 39.4
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

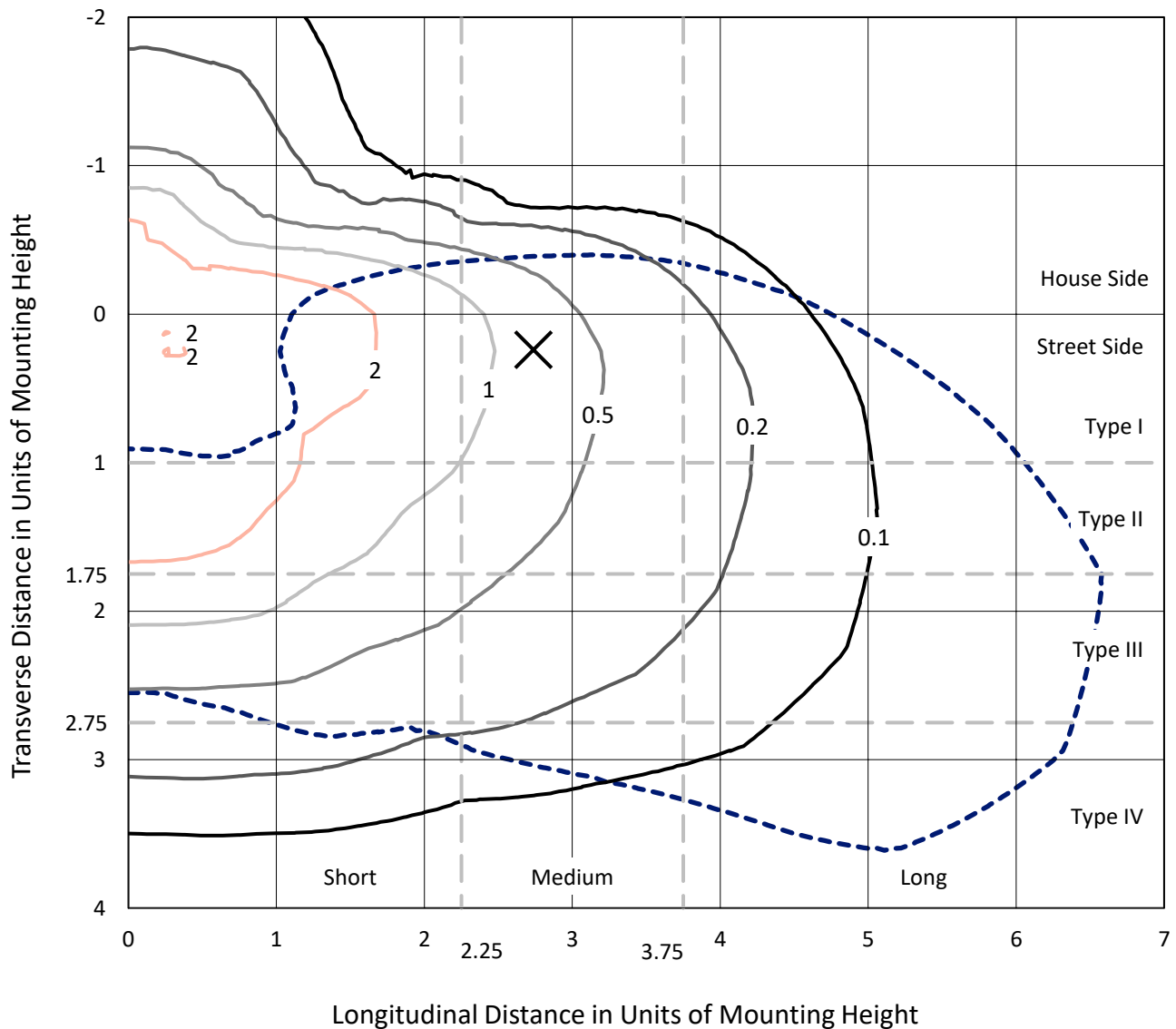


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

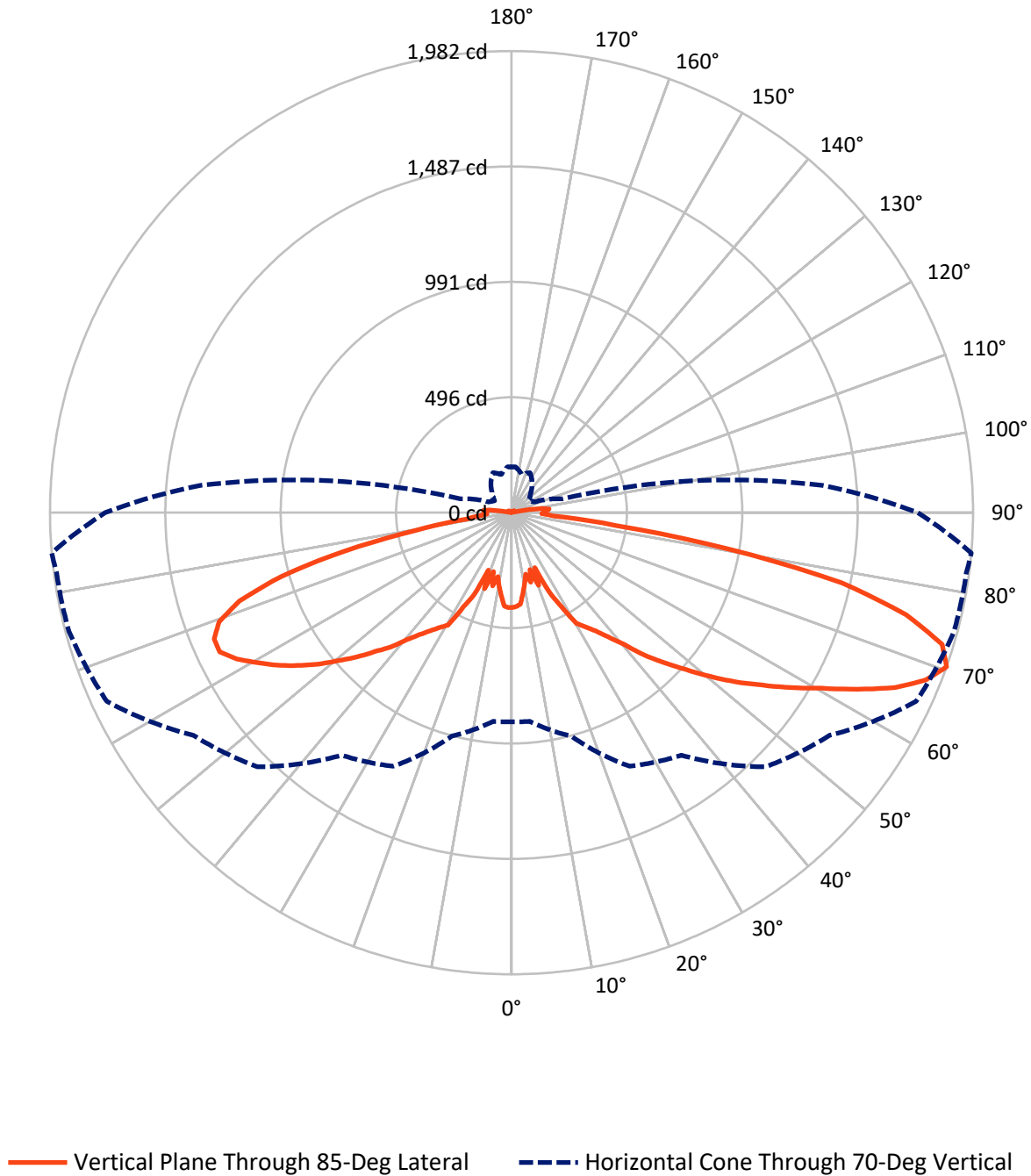


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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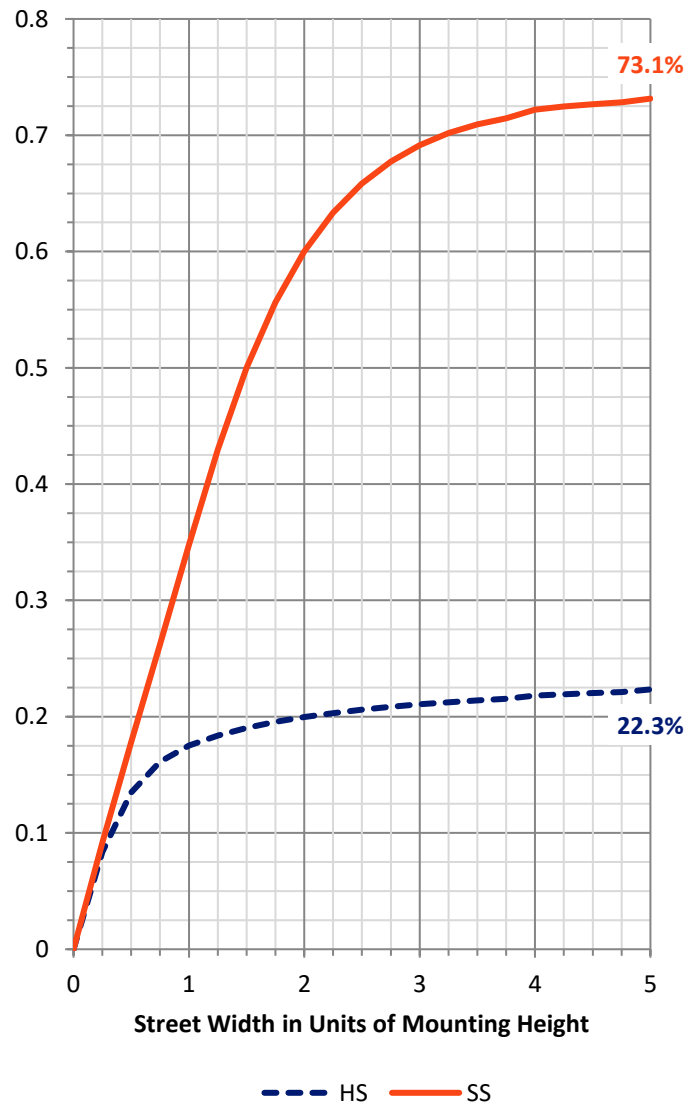
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	867.4	55.9	923.2
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	2718.7	47.2	2765.9
	% Fixture	73.7	1.3	75.0
Total	Lumens	3586.1	103.0	3689.1
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	0.9
10°-20°	81.4	2.2
20°-30°	148.3	4.0
30°-40°	280.3	7.6
40°-50°	468.4	12.7
50°-60°	731.1	19.8
60°-70°	906.6	24.6
70°-80°	740.7	20.1
80°-90°	196.1	5.3
90°-100°	74.4	2.0
100°-110°	15.9	0.4
110°-120°	5.1	0.1
120°-130°	4.0	0.1
130°-140°	1.9	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3586.1	97.2
0°-180°	3689.1	100.0

Coefficient of Utilization



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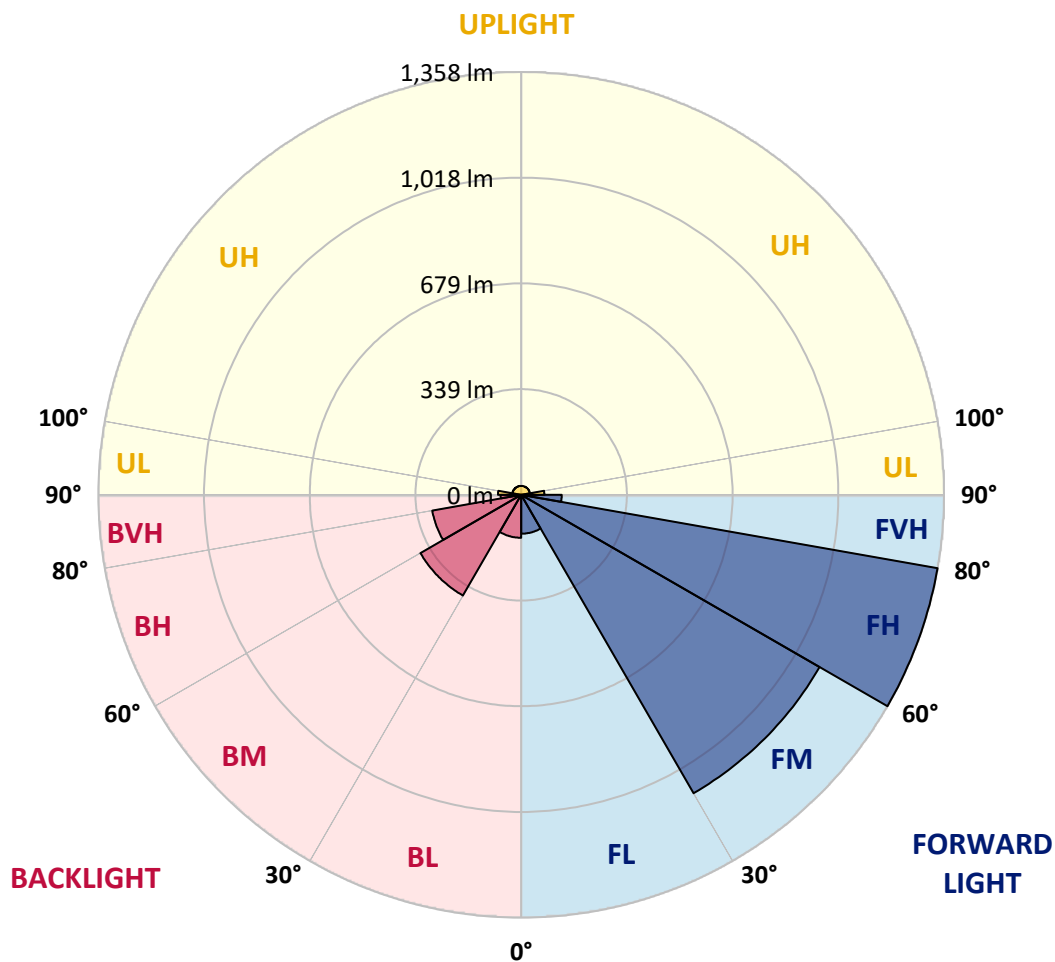
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.9	3.4			
FM	(30°-60°)	1106.2	30.0			
FH	(60°-80°)	1357.5	36.8			G1/1800
FVH	(80°-90°)	130.1	3.5			G2/225
BL	(0°-30°)	138.0	3.7	B1/500		
BM	(30°-60°)	373.6	10.1	B1/1000		
BH	(60°-80°)	289.8	7.9	B1/500		G1/500
BVH	(80°-90°)	66.0	1.8			G1/100
UL	(90°-100°)	74.4	2.0		U3/500	
UH	(100°-180°)	28.6	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°	55°	65°	75°	82.5°	85°
0°	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6
2.5°	337.5	370.4	364.7	374.7	380.4	389.0	394.7	397.6	400.4	403.3	403.3
5°	313.2	314.6	316.1	317.5	320.4	324.6	328.9	374.7	389.0	394.7	394.7
7.5°	286.0	284.6	290.3	297.5	307.5	313.2	317.5	318.9	334.7	347.5	350.4
10°	284.6	286.0	286.0	288.9	271.7	270.3	250.3	251.7	273.2	306.1	307.5
12.5°	247.4	254.6	270.3	281.7	264.6	237.4	233.1	244.6	228.8	268.9	270.3
15°	276.0	274.6	274.6	263.2	223.1	234.5	208.8	217.4	266.0	303.2	310.3
17.5°	240.3	237.4	266.0	257.4	231.7	195.9	234.5	231.7	240.3	261.7	257.4
20°	301.8	298.9	293.2	223.1	234.5	246.0	238.8	223.1	281.7	314.6	333.2
22.5°	281.7	284.6	298.9	283.2	241.7	253.1	226.0	274.6	266.0	253.1	256.0
25°	384.7	381.9	367.6	277.5	288.9	236.0	276.0	244.6	337.5	374.7	377.6
27.5°	354.7	350.4	340.4	349.0	293.2	308.9	268.9	320.4	373.3	439.1	459.1
30°	470.5	466.2	454.8	351.8	349.0	306.1	326.1	393.3	503.4	553.5	552.0
32.5°	606.4	574.9	504.8	450.5	373.3	397.6	373.3	463.4	536.3	584.9	584.9
35°	689.3	683.6	646.4	523.4	434.8	433.3	429.0	510.6	592.1	626.4	623.6
37.5°	759.4	769.4	742.3	606.4	490.5	502.0	480.5	574.9	660.7	680.8	677.9
40°	856.7	853.8	839.5	677.9	559.2	557.8	542.0	652.2	736.5	750.8	743.7
42.5°	1001.1	985.4	942.5	773.7	632.1	632.1	603.5	725.1	829.5	830.9	835.2
45°	1178.5	1171.3	1095.5	922.5	726.5	725.1	677.9	802.3	923.9	931.0	918.2
47.5°	1301.4	1280.0	1242.8	1058.3	872.4	839.5	768.0	878.1	1036.9	1031.1	1005.4
50°	1423.0	1405.9	1371.5	1207.1	1024.0	958.2	852.4	956.8	1145.6	1129.8	1105.5
52.5°	1527.4	1504.5	1467.3	1328.6	1157.0	1105.5	949.6	1028.3	1255.7	1229.9	1207.1
55°	1587.5	1540.3	1543.1	1437.3	1257.1	1215.6	1058.3	1144.1	1362.9	1325.8	1307.2
57.5°	1513.1	1510.3	1557.4	1504.5	1348.6	1307.2	1174.2	1260.0	1474.5	1425.9	1417.3
60°	1438.7	1447.3	1514.5	1524.6	1420.2	1390.1	1274.3	1424.4	1583.2	1530.3	1530.3
62.5°	1335.8	1360.1	1454.5	1531.7	1427.3	1471.6	1378.7	1564.6	1701.9	1653.3	1669.0
65°	1218.5	1218.5	1327.2	1473.1	1404.4	1526.0	1494.5	1717.6	1806.3	1777.7	1810.6
67.5°	1058.3	1061.2	1174.2	1358.7	1362.9	1553.2	1587.5	1837.8	1915.0	1893.5	1917.8
70°	898.1	899.6	994.0	1201.3	1271.4	1543.1	1667.6	1917.8	1967.9	1970.8	1982.2
72.5°	672.2	696.5	785.2	975.4	1112.7	1501.7	1709.0	1940.7	1966.5	1970.8	1933.6
75°	361.8	373.3	472.0	635.0	826.6	1331.5	1696.2	1916.4	1897.8	1847.8	1750.5
77.5°	125.9	131.6	165.9	277.5	469.1	942.5	1573.2	1810.6	1750.5	1593.2	1450.2
80°	81.5	81.5	90.1	133.0	213.1	446.2	1221.4	1551.7	1410.1	1074.1	941.0
82.5°	57.2	58.6	65.8	88.7	137.3	191.6	635.0	788.0	776.6	534.9	450.5
85°	41.5	42.9	45.8	51.5	94.4	118.7	247.4	379.0	350.4	191.6	180.2
87.5°	18.6	21.5	18.6	22.9	37.2	72.9	118.7	117.3	111.6	127.3	130.1
90°	14.3	14.3	11.4	12.9	25.7	65.8	110.1	105.8	113.0	138.7	137.3
92.5°	14.3	14.3	11.4	12.9	24.3	65.8	115.8	103.0	117.3	148.7	150.2
95°	14.3	15.7	11.4	11.4	20.0	67.2	123.0	110.1	124.4	161.6	161.6
97.5°	12.9	12.9	8.6	10.0	15.7	61.5	123.0	94.4	91.5	130.1	128.7
100°	10.0	11.4	5.7	8.6	11.4	37.2	91.5	58.6	25.7	30.0	45.8
102.5°	10.0	10.0	5.7	7.2	8.6	15.7	48.6	34.3	7.2	10.0	10.0
105°	10.0	11.4	5.7	5.7	5.7	7.2	22.9	17.2	5.7	8.6	10.0
107.5°	11.4	11.4	4.3	4.3	4.3	4.3	8.6	7.2	5.7	10.0	11.4
110°	11.4	11.4	4.3	4.3	2.9	2.9	4.3	4.3	5.7	10.0	11.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	10.0	10.0	4.3	4.3	2.9	2.9	2.9	4.3	5.7	8.6	10.0
115°	7.2	7.2	2.9	4.3	2.9	2.9	2.9	4.3	4.3	7.2	8.6
117.5°	7.2	5.7	2.9	2.9	1.4	2.9	2.9	4.3	5.7	10.0	10.0
120°	7.2	7.2	2.9	1.4	1.4	1.4	1.4	2.9	7.2	11.4	12.9
122.5°	7.2	7.2	2.9	1.4	1.4	1.4	1.4	2.9	7.2	11.4	12.9
125°	8.6	7.2	4.3	1.4	1.4	1.4	1.4	1.4	5.7	10.0	11.4
127.5°	7.2	7.2	4.3	1.4	1.4	1.4	1.4	1.4	4.3	8.6	10.0
130°	7.2	7.2	4.3	1.4	1.4	1.4	1.4	1.4	4.3	7.2	7.2
132.5°	5.7	5.7	4.3	1.4	1.4	1.4	1.4	1.4	2.9	5.7	5.7
135°	5.7	5.7	2.9	1.4	1.4	1.4	1.4	1.4	1.4	4.3	4.3
137.5°	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
140°	0.0	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4
150°	4.3	4.3	4.3	2.9	2.9	1.4	2.9	1.4	1.4	1.4	1.4
152.5°	4.3	4.3	5.7	2.9	1.4	1.4	1.4	2.9	1.4	1.4	1.4
155°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	2.9	2.9	4.3
157.5°	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6	407.6
2.5°	404.7	407.6	409.0	413.3	413.3	413.3	403.3	379.0	379.0	380.4	381.9
5°	399.0	401.9	407.6	387.6	367.6	366.1	373.3	377.6	379.0	380.4	377.6
7.5°	353.3	359.0	356.1	357.5	367.6	377.6	386.1	380.4	366.1	356.1	359.0
10°	314.6	320.4	288.9	291.8	303.2	331.8	379.0	394.7	404.7	409.0	409.0
12.5°	276.0	280.3	253.1	293.2	273.2	317.5	369.0	407.6	369.0	353.3	353.3
15°	316.1	324.6	291.8	260.3	266.0	321.8	283.2	389.0	400.4	403.3	406.2
17.5°	270.3	264.6	270.3	274.6	298.9	250.3	324.6	366.1	343.2	334.7	338.9
20°	340.4	346.1	316.1	270.3	273.2	318.9	288.9	327.5	390.4	391.9	394.7
22.5°	258.9	266.0	283.2	321.8	281.7	308.9	304.6	340.4	318.9	320.4	331.8
25°	380.4	386.1	356.1	287.5	307.5	278.9	307.5	303.2	357.5	360.4	360.4
27.5°	466.2	453.4	389.0	324.6	270.3	294.6	277.5	288.9	276.0	314.6	320.4
30°	554.9	554.9	504.8	361.8	286.0	250.3	253.1	274.6	306.1	311.8	311.8
32.5°	582.1	580.6	516.3	391.9	281.7	258.9	233.1	258.9	313.2	340.4	343.2
35°	620.7	615.0	536.3	381.9	271.7	236.0	220.2	260.3	300.3	304.6	301.8
37.5°	669.3	655.0	560.6	363.3	248.8	221.7	211.7	234.5	268.9	268.9	268.9
40°	729.4	706.5	569.2	337.5	224.5	203.1	193.1	217.4	240.3	227.4	223.1
42.5°	810.9	776.6	576.4	318.9	203.1	187.4	174.5	197.4	208.8	201.7	198.8
45°	886.7	835.2	587.8	298.9	185.9	173.0	161.6	181.6	190.2	183.1	181.6
47.5°	976.8	908.2	589.2	280.3	173.0	161.6	153.0	170.2	175.9	175.9	174.5
50°	1069.8	978.2	600.7	264.6	160.2	150.2	148.7	161.6	165.9	163.0	161.6
52.5°	1175.6	1056.9	605.0	244.6	144.4	137.3	144.4	153.0	165.9	167.3	167.3
55°	1288.6	1129.8	602.1	217.4	133.0	130.1	140.2	158.7	170.2	161.6	160.2
57.5°	1398.7	1202.8	603.5	187.4	121.6	127.3	141.6	165.9	174.5	164.5	160.2
60°	1497.4	1268.6	583.5	160.2	113.0	120.1	147.3	173.0	170.2	173.0	168.8
62.5°	1618.9	1337.2	526.3	143.0	105.8	117.3	147.3	177.3	165.9	177.3	177.3
65°	1719.1	1388.7	444.8	128.7	100.1	117.3	148.7	178.8	161.6	180.2	180.2
67.5°	1762.0	1387.3	321.8	117.3	93.0	114.4	148.7	184.5	165.9	185.9	184.5
70°	1744.8	1340.1	227.4	108.7	88.7	115.8	154.5	188.8	170.2	197.4	195.9
72.5°	1629.0	1228.5	164.5	101.5	82.9	110.1	158.7	194.5	174.5	214.5	214.5
75°	1434.5	1026.9	133.0	94.4	77.2	108.7	160.2	197.4	177.3	217.4	217.4
77.5°	1096.9	738.0	111.6	87.2	71.5	105.8	158.7	201.7	175.9	217.4	217.4
80°	657.9	420.5	93.0	78.7	72.9	104.4	161.6	201.7	175.9	214.5	214.5
82.5°	303.2	193.1	82.9	65.8	68.6	103.0	164.5	198.8	168.8	214.5	205.9
85°	168.8	135.9	71.5	55.8	61.5	97.3	155.9	178.8	151.6	177.3	174.5
87.5°	125.9	105.8	45.8	28.6	40.0	68.6	120.1	141.6	114.4	137.3	135.9
90°	134.4	111.6	41.5	28.6	42.9	62.9	113.0	125.9	105.8	127.3	125.9
92.5°	144.4	117.3	41.5	30.0	48.6	68.6	113.0	123.0	104.4	115.8	117.3
95°	151.6	121.6	40.0	32.9	51.5	74.4	110.1	113.0	95.8	100.1	104.4
97.5°	118.7	91.5	35.8	34.3	50.1	60.1	90.1	88.7	65.8	61.5	61.5
100°	37.2	25.7	31.5	35.8	30.0	28.6	52.9	62.9	38.6	25.7	24.3
102.5°	11.4	10.0	28.6	34.3	22.9	12.9	28.6	40.0	28.6	4.3	5.7
105°	11.4	11.4	18.6	28.6	15.7	5.7	11.4	21.5	17.2	4.3	4.3
107.5°	11.4	10.0	7.2	15.7	5.7	4.3	5.7	5.7	5.7	4.3	4.3
110°	11.4	11.4	5.7	5.7	4.3	4.3	4.3	2.9	2.9	7.2	7.2

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CATALOG NUMBER: SDL-PA1-40-830-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.4	11.4	5.7	5.7	4.3	4.3	2.9	2.9	4.3	10.0	10.0
115°	10.0	10.0	5.7	4.3	2.9	4.3	2.9	2.9	4.3	11.4	11.4
117.5°	11.4	11.4	5.7	4.3	2.9	2.9	2.9	1.4	4.3	12.9	14.3
120°	14.3	12.9	7.2	2.9	2.9	2.9	2.9	2.9	5.7	11.4	12.9
122.5°	14.3	14.3	7.2	2.9	1.4	1.4	1.4	2.9	5.7	11.4	12.9
125°	12.9	12.9	7.2	2.9	1.4	1.4	1.4	1.4	5.7	10.0	10.0
127.5°	11.4	11.4	5.7	2.9	1.4	1.4	1.4	1.4	4.3	8.6	10.0
130°	8.6	8.6	4.3	2.9	1.4	1.4	1.4	1.4	4.3	7.2	8.6
132.5°	7.2	7.2	4.3	2.9	1.4	1.4	1.4	1.4	4.3	5.7	7.2
135°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4	2.9	4.3	5.7
137.5°	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
140°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	4.3	2.9
152.5°	1.4	1.4	1.4	2.9	1.4	0.0	0.0	2.9	2.9	4.3	4.3
155°	4.3	4.3	2.9	1.4	1.4	0.0	0.0	0.0	2.9	2.9	2.9
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
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)