

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: P560464

Luminaire Tested: **SDL-PA1-40-830-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
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-SL3-A
Description: Springdale
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3666.3 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - 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

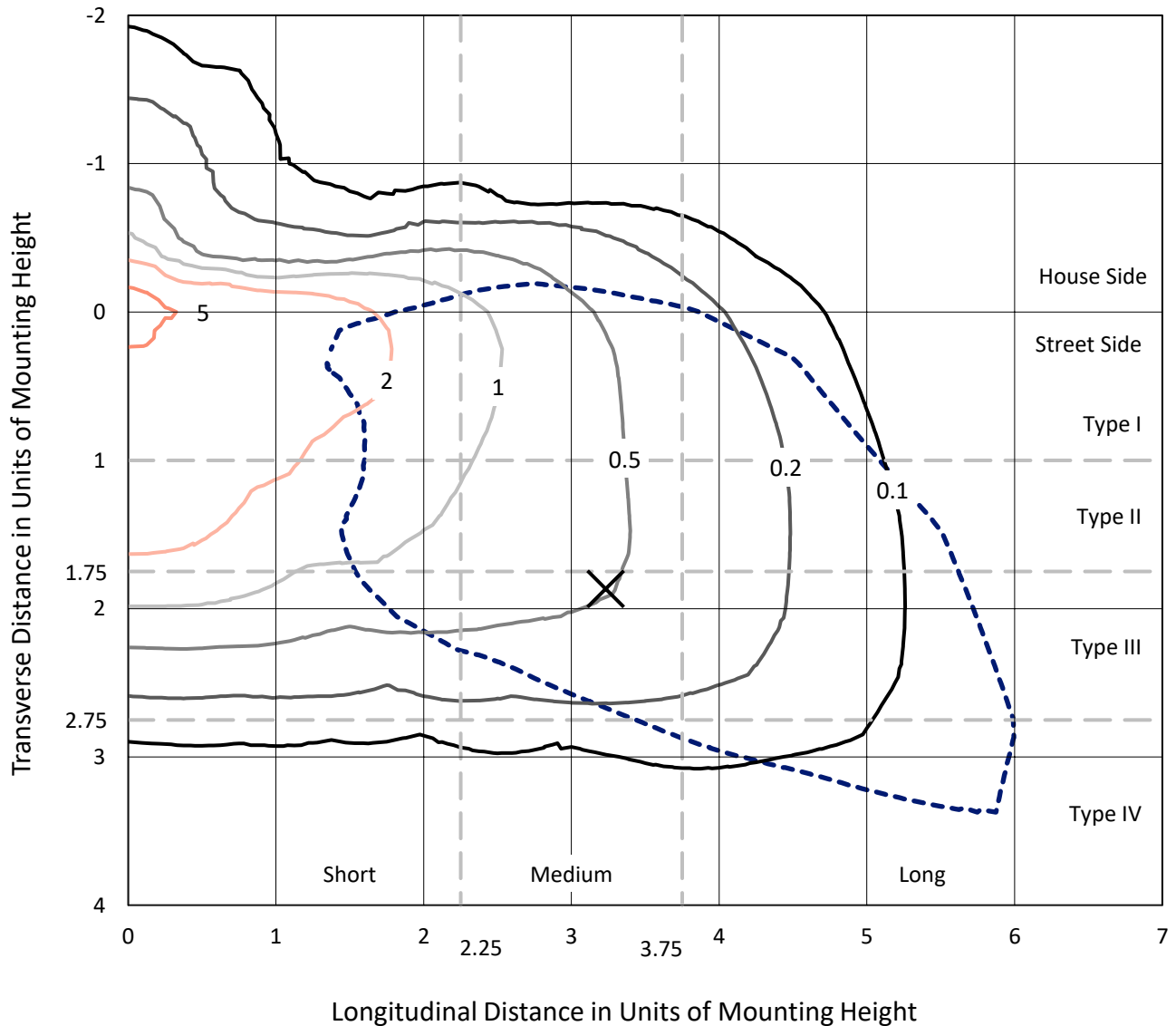


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Iso-Footcandle Lines of Horizontal Illumination

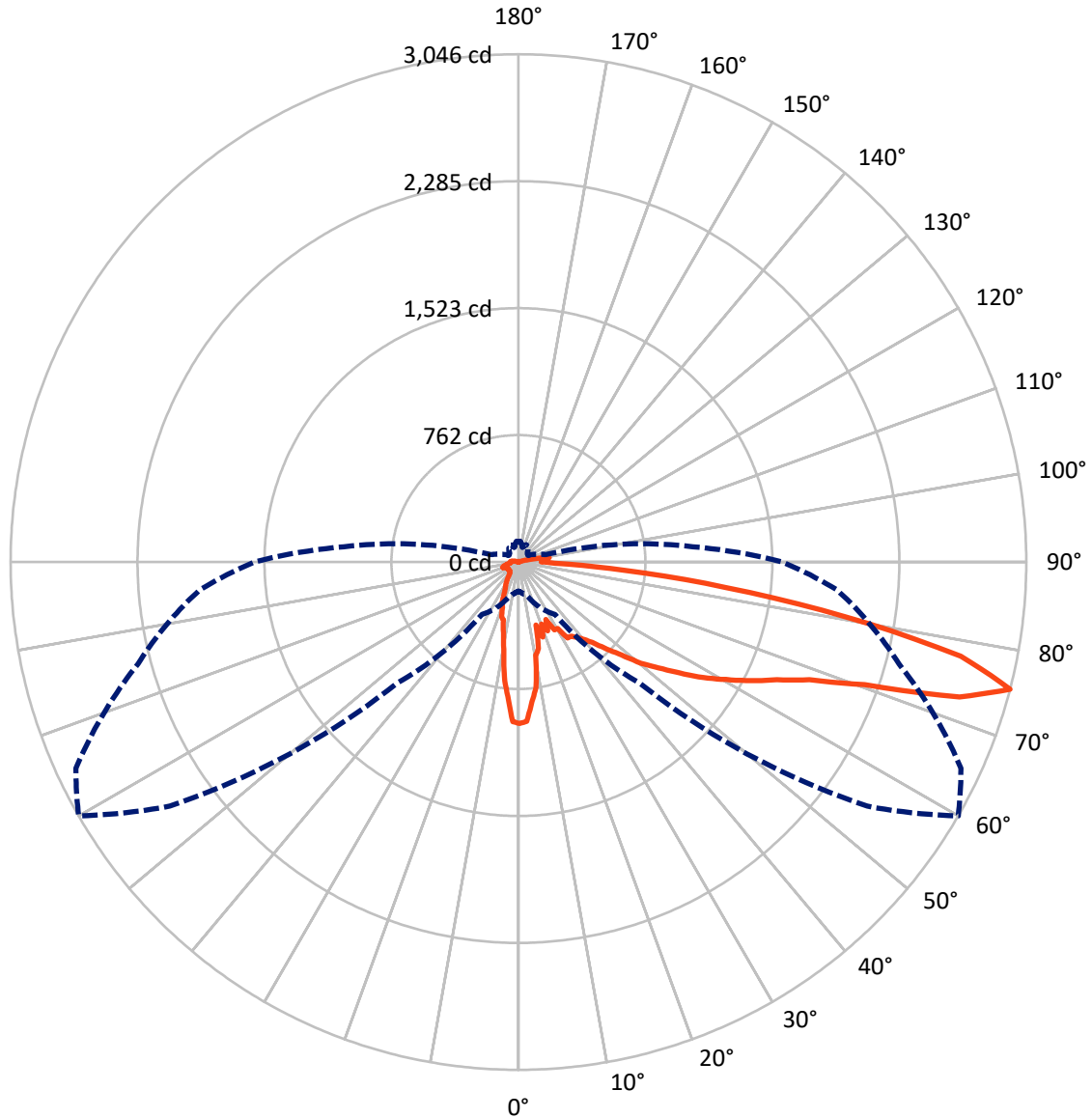
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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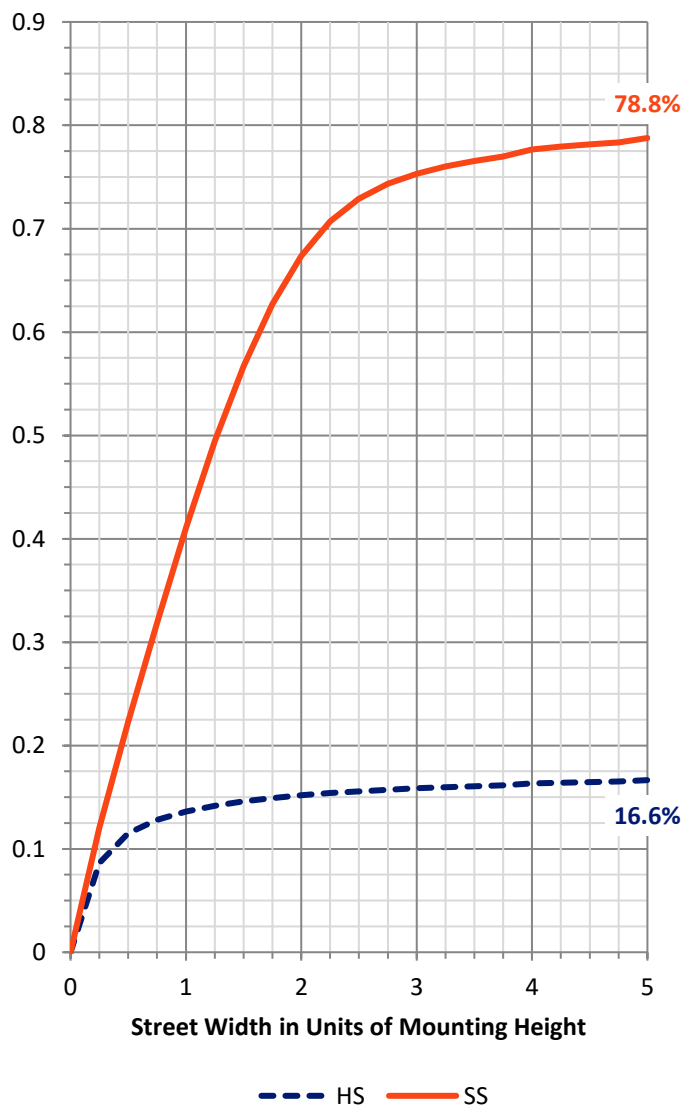
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	643.6	48.8	692.4
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	2922.2	51.6	2973.8
	% Fixture	79.7	1.4	81.1
Total	Lumens	3565.9	100.4	3666.3
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.9
10°-20°	126.8	3.5
20°-30°	164.3	4.5
30°-40°	273.8	7.5
40°-50°	438.4	12.0
50°-60°	673.1	18.4
60°-70°	841.1	22.9
70°-80°	767.1	20.9
80°-90°	209.9	5.7
90°-100°	70.5	1.9
100°-110°	16.0	0.4
110°-120°	5.1	0.1
120°-130°	4.7	0.1
130°-140°	2.2	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°	3565.9	97.3
0°-180°	3666.3	100.0

Coefficient of Utilization



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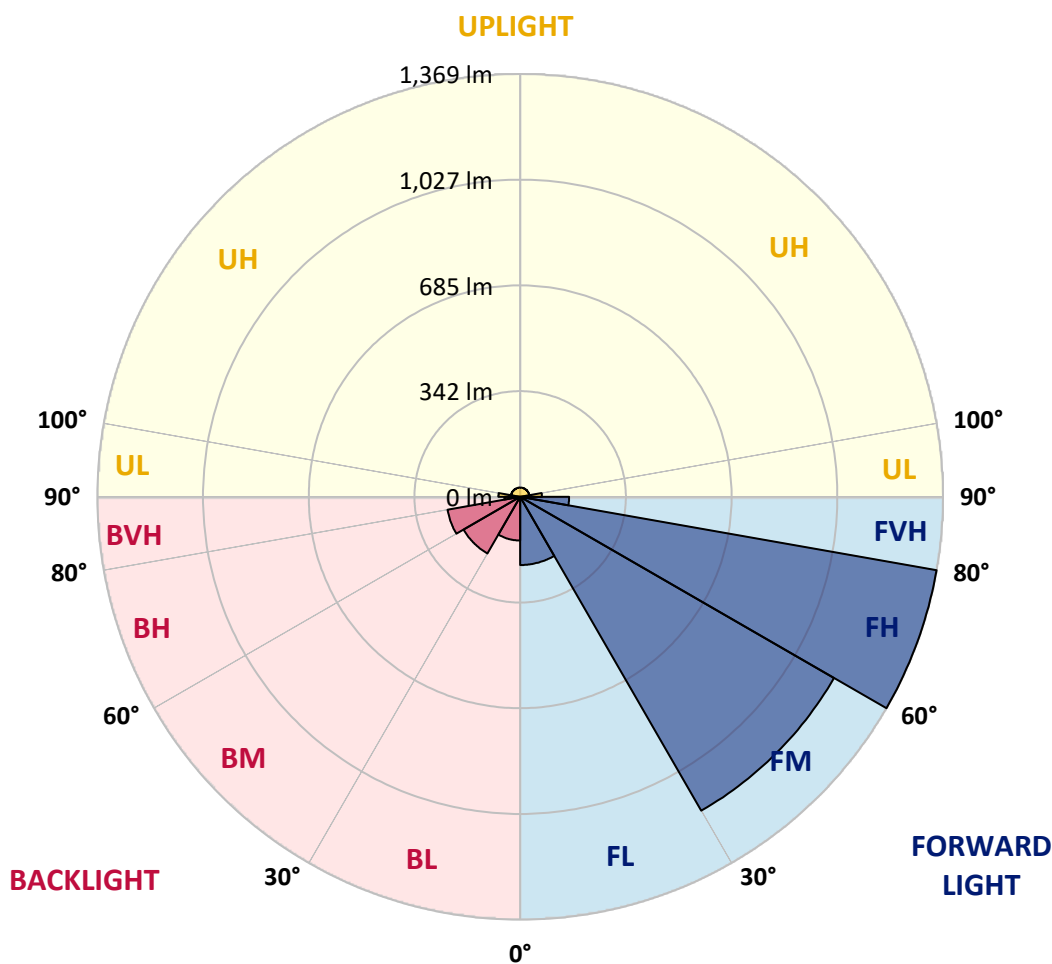
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	220.8	6.0			
FM	(30°-60°)	1173.6	32.0			
FH	(60°-80°)	1369.4	37.4			G1/1800
FVH	(80°-90°)	158.4	4.3			G2/225
BL	(0°-30°)	141.5	3.9	B1/500		
BM	(30°-60°)	211.8	5.8	B0/220		
BH	(60°-80°)	238.8	6.5	B1/500		G1/500
BVH	(80°-90°)	51.5	1.4			G1/100
UL	(90°-100°)	70.5	1.9		U3/500	
UH	(100°-180°)	29.9	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2
2.5°	812.3	888.1	881.0	939.6	939.6	952.5	958.2	956.8	962.5	968.2	966.8
5°	748.0	749.4	755.1	768.0	772.3	776.6	790.9	840.9	925.3	945.3	945.3
7.5°	617.8	652.1	695.1	702.2	727.9	740.8	756.6	759.4	702.2	805.2	815.2
10°	626.4	627.8	625.0	640.7	622.1	615.0	564.9	567.8	573.5	612.1	689.3
12.5°	490.5	519.1	580.6	609.2	563.5	513.4	510.6	534.9	544.9	487.7	607.8
15°	560.6	563.5	564.9	566.3	420.5	487.7	426.2	391.9	439.1	553.5	629.3
17.5°	439.1	441.9	509.1	507.7	463.4	374.7	463.4	473.4	454.8	470.5	526.3
20°	514.9	516.3	512.0	397.6	406.2	459.1	399.0	397.6	420.5	542.0	612.1
22.5°	423.3	417.6	416.2	454.8	413.3	441.9	387.6	449.1	487.7	483.4	461.9
25°	530.6	529.2	507.7	396.2	423.3	374.7	453.4	380.4	421.9	584.9	612.1
27.5°	496.3	476.2	440.5	457.6	394.7	439.1	403.3	460.5	486.3	600.7	709.4
30°	642.1	627.8	586.4	461.9	436.2	404.7	431.9	461.9	553.5	773.7	810.9
32.5°	848.1	832.3	683.6	566.3	457.6	479.1	454.8	542.0	610.7	789.4	818.0
35°	911.0	889.6	816.6	686.5	524.9	509.1	484.8	546.3	619.3	830.9	830.9
37.5°	946.8	945.3	911.0	758.0	592.1	583.5	522.0	573.5	653.6	871.0	862.4
40°	952.5	959.6	975.4	820.9	672.2	653.6	570.6	610.7	702.2	919.6	902.4
42.5°	999.7	1012.5	1048.3	903.9	752.3	735.1	627.8	665.0	755.1	991.1	986.8
45°	1075.5	1088.3	1119.8	995.4	822.3	810.9	720.8	743.7	840.9	1116.9	1076.9
47.5°	1232.8	1235.7	1222.8	1071.2	898.1	898.1	810.9	832.3	918.2	1232.8	1194.2
50°	1390.1	1372.9	1315.7	1161.3	973.9	995.4	903.9	953.9	1005.4	1350.1	1297.1
52.5°	1477.3	1474.5	1397.3	1229.9	1039.7	1081.2	1011.1	1054.0	1085.5	1468.8	1394.4
55°	1480.2	1475.9	1423.0	1262.8	1101.2	1169.9	1118.4	1174.2	1197.0	1561.7	1527.4
57.5°	1433.0	1444.5	1417.3	1281.4	1131.3	1255.7	1248.5	1308.6	1320.0	1671.8	1618.9
60°	1358.6	1357.2	1390.1	1298.6	1177.0	1337.2	1368.7	1430.2	1491.7	1756.2	1700.5
62.5°	1172.7	1185.6	1278.6	1298.6	1227.1	1443.0	1503.1	1567.4	1643.2	1833.5	1773.4
65°	918.2	925.3	1071.2	1204.2	1241.4	1584.6	1639.0	1703.3	1783.4	1912.1	1854.9
67.5°	554.9	602.1	727.9	991.1	1168.4	1754.8	1854.9	1882.1	1927.8	2000.8	1975.0
70°	316.1	330.4	390.4	623.5	975.4	1809.1	2252.5	2203.9	2156.7	2173.8	2125.2
72.5°	240.3	248.8	276.0	369.0	583.5	1597.5	2587.1	2767.3	2564.3	2354.0	2120.9
75°	174.5	183.1	210.2	297.5	383.3	1024.0	2552.8	3046.2	2929.0	2362.6	1917.8
77.5°	108.7	110.1	125.9	253.1	344.7	513.4	1997.9	2713.0	2764.5	2206.7	1590.3
80°	75.8	77.2	80.1	135.9	317.5	411.9	1341.5	1992.2	2065.1	1536.0	810.9
82.5°	54.3	57.2	60.1	80.1	205.9	393.3	835.2	1254.2	1105.5	556.3	328.9
85°	28.6	31.5	38.6	48.6	82.9	427.6	500.6	637.8	504.8	226.0	195.9
87.5°	11.4	10.0	8.6	12.9	22.9	164.5	194.5	214.5	165.9	127.3	155.9
90°	10.0	8.6	5.7	7.2	10.0	58.6	123.0	137.3	114.4	124.4	157.3
92.5°	10.0	8.6	5.7	5.7	10.0	58.6	147.3	150.2	118.7	127.3	164.5
95°	10.0	10.0	5.7	5.7	10.0	52.9	174.5	171.6	123.0	134.4	174.5
97.5°	10.0	10.0	4.3	5.7	10.0	35.8	180.2	185.9	120.1	95.8	144.4
100°	10.0	10.0	4.3	4.3	8.6	22.9	125.9	135.9	88.7	31.5	35.8
102.5°	10.0	10.0	4.3	4.3	5.7	15.7	55.8	67.2	52.9	10.0	11.4
105°	10.0	11.4	2.9	2.9	4.3	8.6	24.3	27.2	21.5	7.2	12.9
107.5°	11.4	12.9	2.9	2.9	2.9	4.3	8.6	10.0	5.7	5.7	12.9
110°	12.9	12.9	2.9	2.9	2.9	4.3	2.9	2.9	4.3	5.7	14.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	10.0	8.6	1.4	2.9	2.9	2.9	2.9	2.9	2.9	5.7	14.3
115°	5.7	4.3	1.4	2.9	2.9	2.9	1.4	2.9	4.3	5.7	12.9
117.5°	5.7	4.3	1.4	1.4	1.4	2.9	1.4	1.4	4.3	7.2	15.7
120°	4.3	4.3	1.4	1.4	1.4	1.4	1.4	2.9	2.9	10.0	21.5
122.5°	4.3	4.3	1.4	1.4	1.4	1.4	1.4	2.9	2.9	10.0	21.5
125°	5.7	5.7	2.9	1.4	1.4	1.4	1.4	2.9	2.9	8.6	20.0
127.5°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	2.9	2.9	7.2	15.7
130°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	2.9	1.4	7.2	12.9
132.5°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4	1.4	4.3	10.0
135°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4	1.4	2.9	7.2
137.5°	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
140°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	2.9	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4
150°	2.9	2.9	5.7	4.3	2.9	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	5.7	5.7	5.7	4.3	1.4	1.4	2.9	4.3	1.4	1.4	1.4
155°	4.3	4.3	4.3	1.4	1.4	1.4	1.4	1.4	2.9	4.3	4.3
157.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	1.4	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°	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2
2.5°	962.5	965.4	962.5	959.6	956.8	948.2	889.6	818.0	812.3	818.0	815.2
5°	938.2	938.2	936.8	838.1	779.4	762.3	758.0	753.7	745.1	740.8	743.7
7.5°	809.5	805.2	755.1	666.5	722.2	702.2	690.8	685.0	599.2	567.8	570.6
10°	676.5	676.5	562.1	530.6	527.7	536.3	594.9	590.7	579.2	572.1	579.2
12.5°	583.5	607.8	446.2	477.7	387.6	429.0	469.1	497.7	410.5	386.1	390.4
15°	619.3	610.7	490.5	374.7	341.8	360.4	288.9	361.8	356.1	344.7	343.2
17.5°	540.6	496.3	409.0	351.8	337.5	254.6	247.4	256.0	234.5	214.5	224.5
20°	587.8	563.5	433.3	313.2	260.3	231.7	174.5	163.0	207.4	217.4	216.0
22.5°	490.5	409.0	354.7	311.8	210.2	165.9	131.6	144.4	154.5	164.5	168.8
25°	576.4	532.0	387.6	233.1	170.2	121.6	118.7	107.3	161.6	184.5	183.1
27.5°	665.0	602.1	373.3	218.8	123.0	104.4	95.8	108.7	113.0	127.3	135.9
30°	743.7	667.9	431.9	203.1	103.0	78.7	85.8	88.7	110.1	118.7	118.7
32.5°	740.8	649.3	386.1	173.0	84.4	71.5	71.5	84.4	97.3	117.3	118.7
35°	739.4	635.0	344.7	134.4	74.4	62.9	65.8	80.1	97.3	108.7	110.1
37.5°	756.6	630.7	303.2	108.7	67.2	60.1	62.9	75.8	104.4	115.8	115.8
40°	782.3	633.6	261.7	93.0	64.4	58.6	60.1	80.1	94.4	104.4	104.4
42.5°	861.0	675.0	226.0	85.8	64.4	57.2	57.2	74.4	95.8	113.0	114.4
45°	919.6	707.9	198.8	85.8	62.9	54.3	60.1	74.4	84.4	124.4	133.0
47.5°	1014.0	768.0	173.0	85.8	62.9	52.9	55.8	72.9	88.7	143.0	148.7
50°	1108.4	828.1	161.6	85.8	62.9	51.5	62.9	70.1	88.7	148.7	153.0
52.5°	1208.5	902.4	154.5	85.8	62.9	54.3	68.6	84.4	95.8	133.0	131.6
55°	1311.5	968.2	150.2	88.7	62.9	54.3	74.4	78.7	81.5	103.0	105.8
57.5°	1407.3	1048.3	158.7	88.7	61.5	57.2	70.1	77.2	71.5	90.1	91.5
60°	1483.1	1121.2	180.2	85.8	60.1	57.2	71.5	84.4	80.1	98.7	101.5
62.5°	1570.3	1198.5	230.3	87.2	60.1	58.6	80.1	91.5	81.5	97.3	103.0
65°	1684.7	1315.7	286.0	95.8	61.5	61.5	81.5	98.7	81.5	95.8	95.8
67.5°	1813.4	1424.4	286.0	111.6	65.8	65.8	81.5	104.4	87.2	95.8	95.8
70°	1907.8	1430.2	236.0	123.0	71.5	70.1	84.4	108.7	88.7	105.8	104.4
72.5°	1803.4	1274.3	195.9	121.6	77.2	72.9	95.8	111.6	90.1	120.1	118.7
75°	1583.2	1051.2	170.2	108.7	70.1	74.4	100.1	114.4	91.5	125.9	123.0
77.5°	1248.5	766.6	144.4	91.5	61.5	71.5	103.0	117.3	94.4	133.0	131.6
80°	605.0	384.7	117.3	77.2	55.8	68.6	103.0	115.8	93.0	137.3	137.3
82.5°	273.2	191.6	80.1	52.9	55.8	70.1	105.8	117.3	93.0	134.4	133.0
85°	177.3	131.6	51.5	41.5	55.8	80.1	107.3	111.6	88.7	124.4	124.4
87.5°	133.0	91.5	27.2	25.7	61.5	87.2	107.3	103.0	85.8	117.3	114.4
90°	135.9	97.3	28.6	25.7	65.8	88.7	107.3	101.5	82.9	105.8	105.8
92.5°	147.3	107.3	32.9	28.6	67.2	80.1	101.5	91.5	77.2	91.5	90.1
95°	160.2	120.1	38.6	32.9	58.6	58.6	80.1	74.4	65.8	70.1	70.1
97.5°	117.3	85.8	34.3	35.8	44.3	37.2	52.9	50.1	34.3	31.5	30.0
100°	34.3	28.6	31.5	34.3	31.5	27.2	40.0	38.6	22.9	11.4	11.4
102.5°	12.9	14.3	28.6	31.5	24.3	20.0	28.6	31.5	18.6	2.9	4.3
105°	11.4	10.0	20.0	24.3	14.3	11.4	14.3	20.0	11.4	2.9	2.9
107.5°	12.9	10.0	10.0	12.9	5.7	5.7	5.7	7.2	4.3	2.9	2.9
110°	12.9	10.0	5.7	5.7	4.3	4.3	4.3	2.9	2.9	2.9	2.9



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CATALOG NUMBER: SDL-PA1-40-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	10.0	5.7	5.7	4.3	4.3	2.9	2.9	4.3	7.2	7.2
115°	14.3	11.4	5.7	4.3	2.9	4.3	2.9	1.4	4.3	10.0	10.0
117.5°	17.2	12.9	4.3	4.3	2.9	2.9	2.9	1.4	4.3	12.9	14.3
120°	21.5	15.7	5.7	2.9	2.9	2.9	2.9	1.4	5.7	14.3	15.7
122.5°	21.5	17.2	5.7	2.9	2.9	1.4	1.4	2.9	5.7	14.3	15.7
125°	20.0	15.7	5.7	2.9	2.9	1.4	1.4	1.4	7.2	14.3	15.7
127.5°	15.7	14.3	5.7	2.9	1.4	1.4	1.4	2.9	5.7	12.9	12.9
130°	12.9	11.4	4.3	2.9	1.4	1.4	1.4	1.4	5.7	10.0	11.4
132.5°	10.0	8.6	4.3	2.9	1.4	1.4	1.4	1.4	5.7	10.0	10.0
135°	7.2	7.2	2.9	1.4	1.4	1.4	1.4	1.4	4.3	7.2	8.6
137.5°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	2.9	4.3	4.3
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	2.9	2.9
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.9
145°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	2.9	2.9
155°	4.3	4.3	4.3	2.9	1.4	0.0	0.0	0.0	1.4	1.4	2.9
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	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	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

(END OF REPORT)