

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: P560449

Luminaire Tested: **SDL-PA1-40-827-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-827-U-T2R
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3611.2 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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



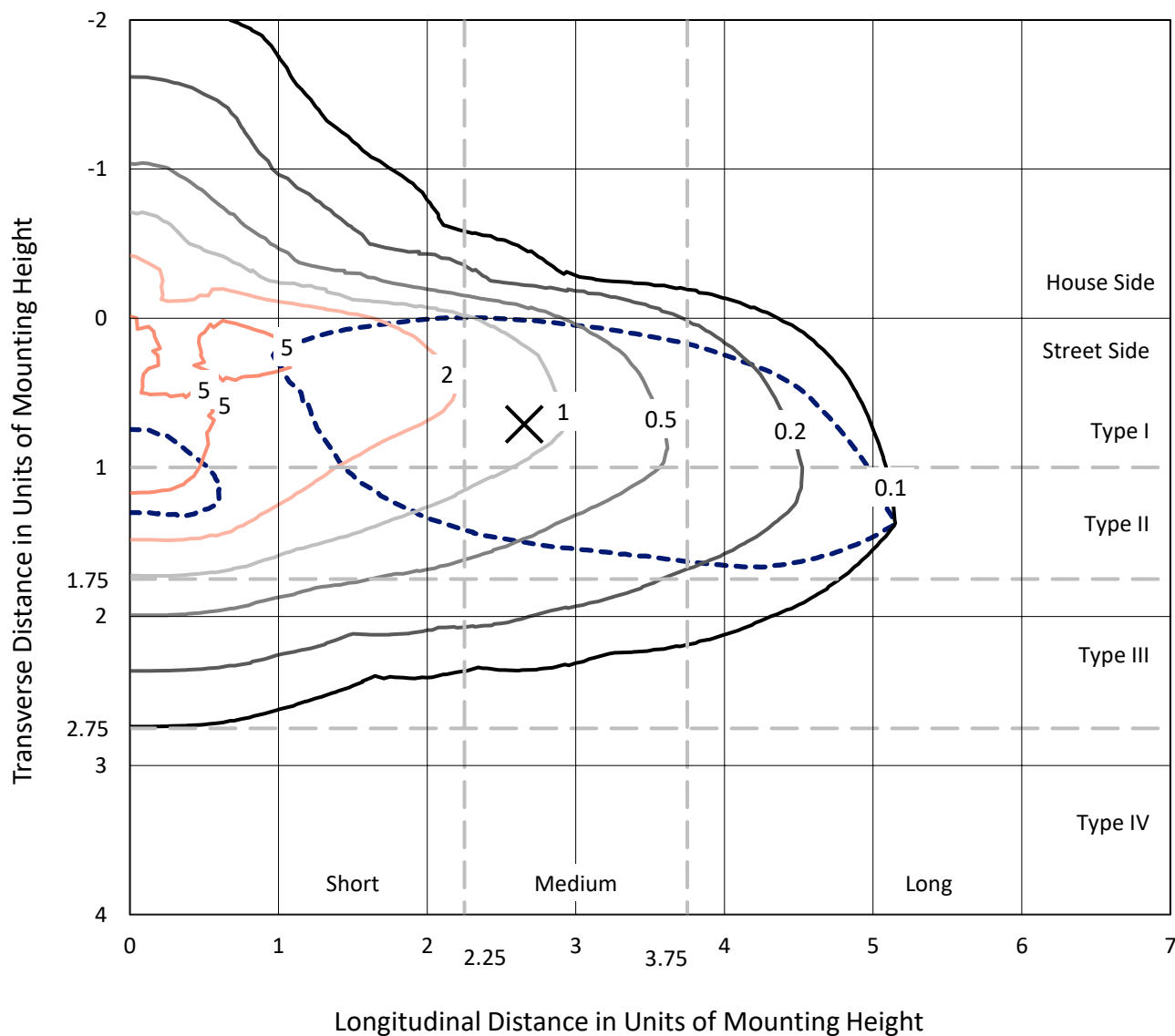
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

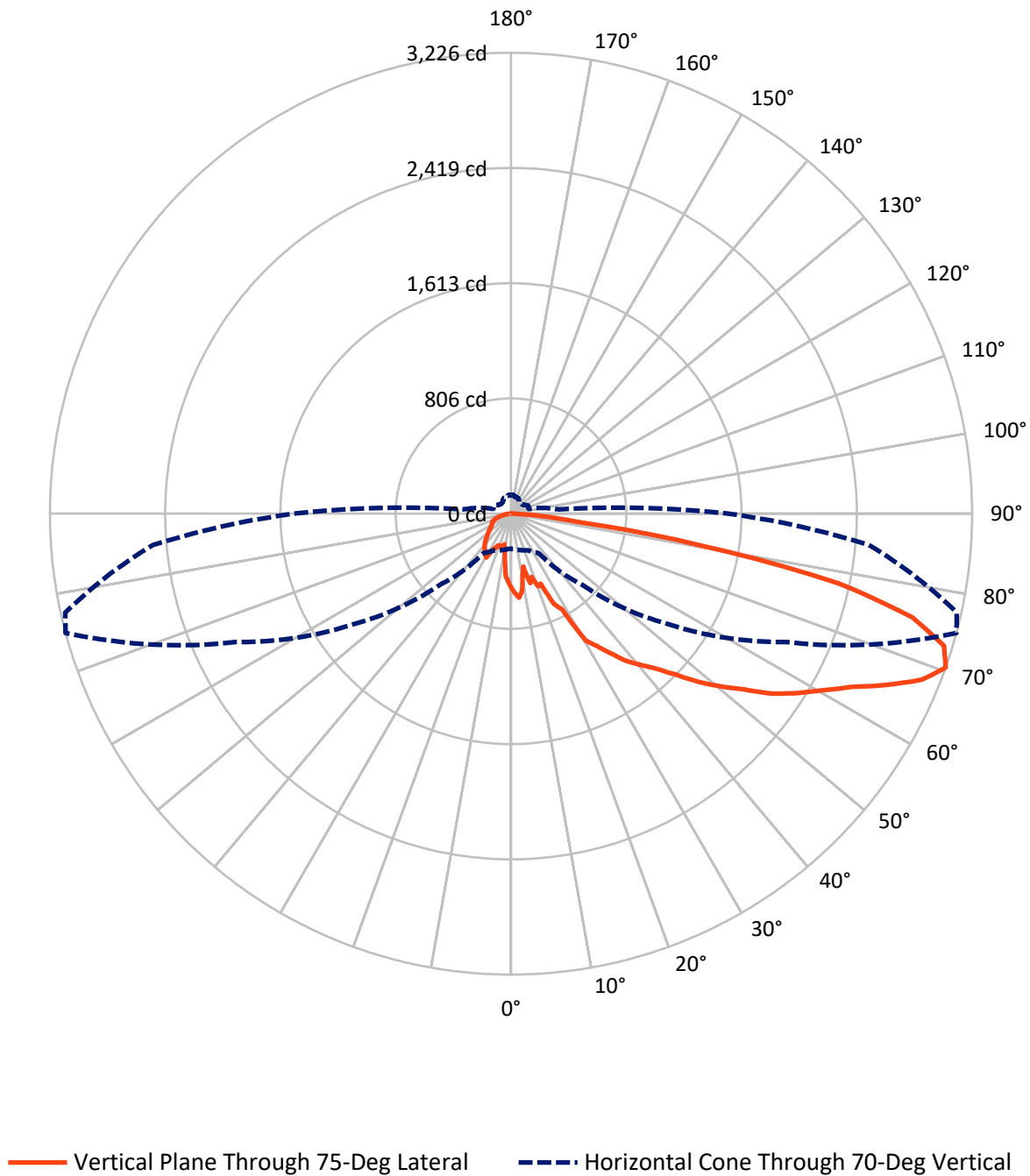


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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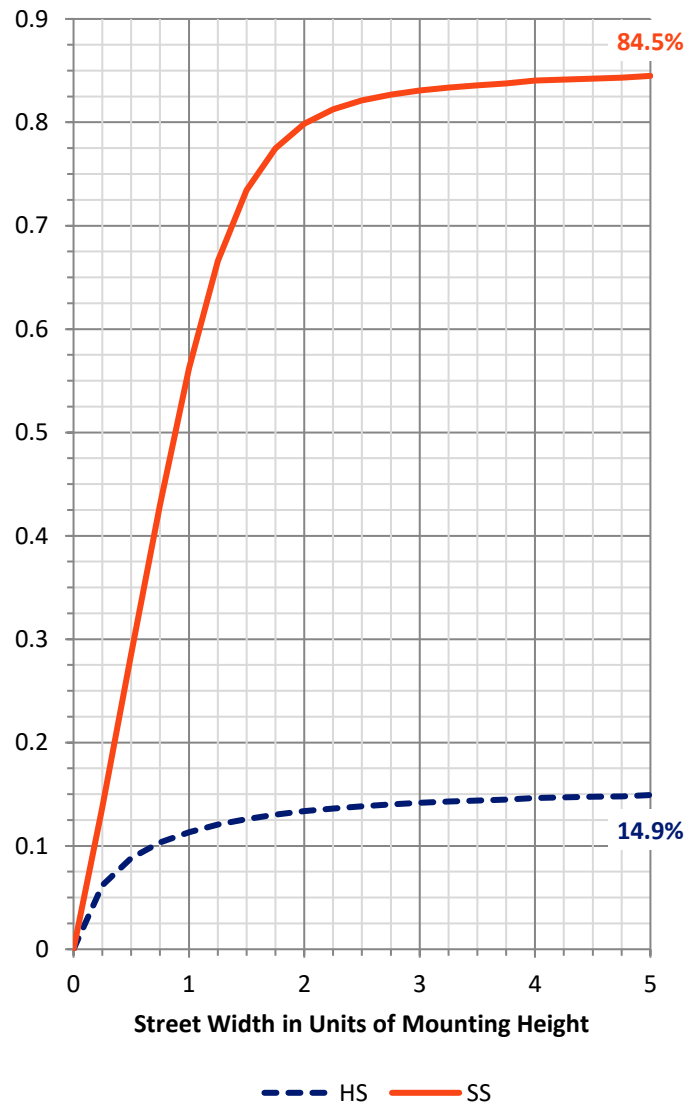
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.3	0.0	549.3
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3061.9	0.0	3061.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	3611.2	0.0	3611.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	1.2
10°-20°	114.7	3.2
20°-30°	209.7	5.8
30°-40°	425.8	11.8
40°-50°	653.5	18.1
50°-60°	787.8	21.8
60°-70°	761.9	21.1
70°-80°	528.5	14.6
80°-90°	86.3	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3611.2	100.0
0°-180°	3611.2	100.0

Coefficient of Utilization



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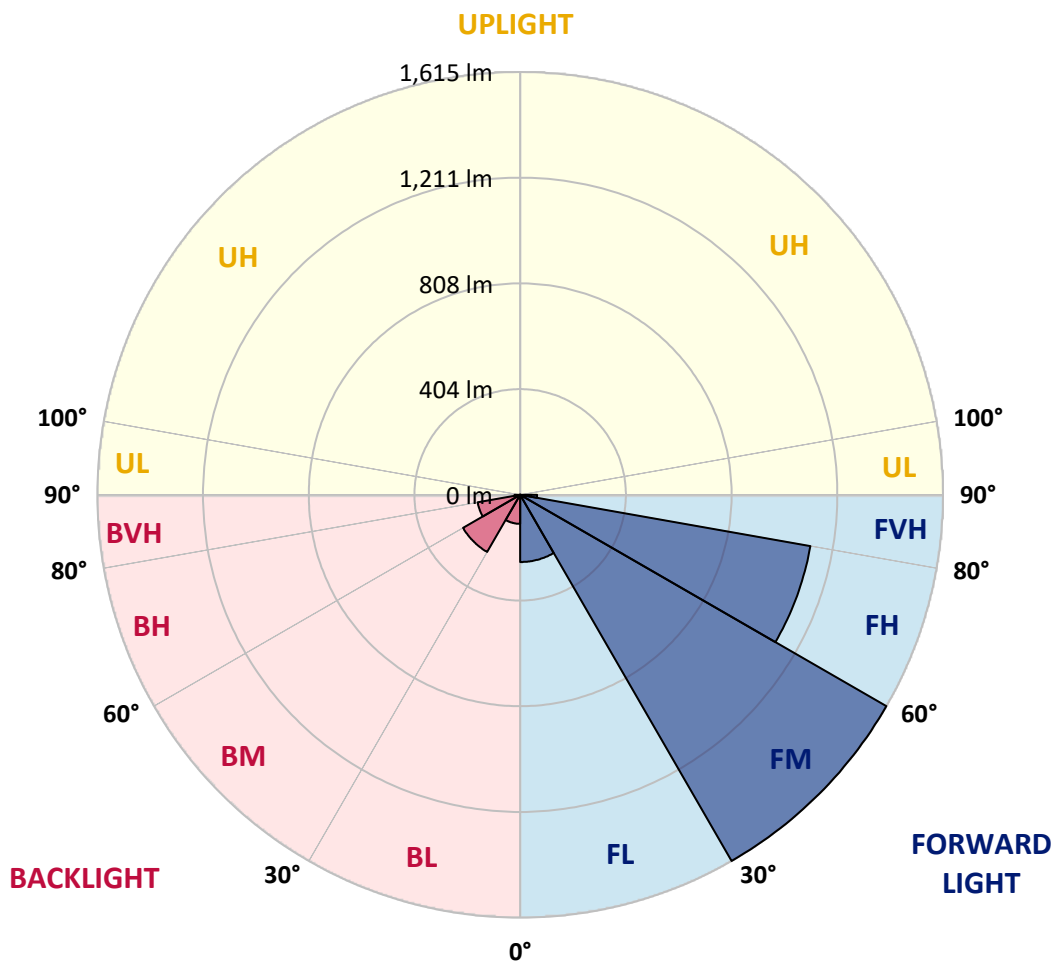
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.7	7.1			
FM	(30°-60°)	1615.0	44.7			
FH	(60°-80°)	1125.5	31.2			G1/1800
FVH	(80°-90°)	64.6	1.8			G1/100
BL	(0°-30°)	110.9	3.1	B1/500		
BM	(30°-60°)	252.0	7.0	B1/1000		
BH	(60°-80°)	164.8	4.6	B1/500		G1/500
BVH	(80°-90°)	21.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9
2.5°	541.8	593.6	568.4	597.6	612.2	602.9	594.9	575.0	557.7	551.1	533.8
5°	597.6	596.3	589.6	587.0	575.0	560.4	548.5	614.8	590.9	579.0	548.5
7.5°	529.9	575.0	608.2	625.5	625.5	608.2	589.6	508.6	549.8	539.2	495.3
10°	665.3	665.3	664.0	665.3	545.8	575.0	494.0	459.5	444.9	479.4	444.9
12.5°	565.7	614.8	670.6	690.5	636.1	543.1	506.0	486.0	381.1	373.2	394.4
15°	665.3	669.3	674.6	593.6	504.6	576.3	440.9	436.9	504.6	492.7	498.0
17.5°	533.8	539.2	654.7	640.1	587.0	436.9	549.8	491.3	466.1	450.2	448.9
20°	673.3	675.9	674.6	506.0	541.8	594.9	569.7	432.9	543.1	549.8	556.4
22.5°	569.7	571.0	577.7	644.1	548.5	620.2	513.9	645.4	532.5	548.5	414.3
25°	766.2	766.2	742.3	580.3	664.0	565.7	625.5	555.1	698.5	679.9	622.8
27.5°	714.4	709.1	681.2	718.4	598.9	715.8	618.8	697.2	758.3	731.7	755.6
30°	1003.9	1010.6	974.7	746.3	729.1	686.6	713.1	826.0	1031.8	1017.2	908.3
32.5°	1343.9	1281.5	1118.1	966.8	796.8	837.9	796.8	974.7	1104.9	1107.5	961.4
35°	1508.6	1503.3	1432.9	1140.7	916.3	916.3	893.7	1017.2	1199.2	1181.9	1018.6
37.5°	1640.0	1632.1	1582.9	1289.5	1023.9	1018.6	945.5	1082.3	1306.7	1262.9	1081.0
40°	1751.6	1741.0	1698.5	1393.0	1140.7	1115.5	1009.3	1156.7	1390.4	1394.4	1140.7
42.5°	1826.0	1822.0	1791.4	1487.3	1237.7	1192.5	1094.2	1252.3	1479.4	1501.9	1215.1
45°	1884.4	1883.1	1856.5	1590.9	1306.7	1262.9	1184.5	1324.0	1601.5	1614.8	1294.8
47.5°	1891.0	1896.3	1896.3	1642.7	1354.5	1325.3	1277.5	1387.7	1756.9	1729.0	1387.7
50°	1822.0	1827.3	1860.5	1729.0	1395.7	1377.1	1357.2	1464.7	1899.0	1857.8	1486.0
52.5°	1645.4	1657.3	1747.6	1686.5	1416.9	1415.6	1431.5	1564.3	2043.7	1999.9	1616.1
55°	1265.6	1273.5	1497.9	1561.7	1410.3	1424.9	1487.3	1687.8	2223.0	2184.5	1752.9
57.5°	966.8	989.3	1130.1	1325.3	1337.3	1416.9	1523.2	1774.2	2367.8	2329.3	1879.1
60°	778.2	794.1	876.5	1047.8	1180.6	1382.4	1572.3	1881.7	2508.5	2489.9	2014.5
62.5°	609.5	620.2	677.3	790.1	958.8	1301.4	1602.9	1998.6	2670.5	2661.2	2191.1
65°	436.9	447.5	498.0	572.4	741.0	1148.7	1588.2	2110.1	2888.3	2879.0	2362.5
67.5°	318.7	321.4	354.6	405.0	525.9	929.6	1516.5	2180.5	3100.8	3082.2	2493.9
70°	245.7	248.3	264.3	282.9	336.0	703.8	1349.2	2127.4	3225.6	3193.8	2513.8
72.5°	199.2	199.2	205.8	215.1	229.7	459.5	1059.7	1918.9	3167.2	3104.8	2347.8
75°	167.3	167.3	171.3	168.7	160.7	286.8	737.0	1602.9	2900.3	2821.9	2043.7
77.5°	140.8	139.4	139.4	140.8	124.8	195.2	450.2	1235.0	2343.9	2268.2	1515.2
80°	115.5	115.5	115.5	115.5	102.3	139.4	268.2	819.4	1346.6	1175.3	694.5
82.5°	85.0	86.3	90.3	90.3	85.0	102.3	139.4	342.6	460.8	407.7	245.7
85°	39.8	41.2	53.1	55.8	54.4	50.5	73.0	154.0	215.1	195.2	57.1
87.5°	1.3	1.3	5.3	12.0	10.6	8.0	14.6	21.2	8.0	9.3	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9
2.5°	521.9	509.9	482.1	458.1	432.9	415.7	377.1	349.3	334.6	332.0	336.0
5°	524.5	498.0	442.2	371.8	318.7	305.4	300.1	298.8	297.5	297.5	297.5
7.5°	462.1	427.6	343.9	292.2	300.1	300.1	300.1	296.1	272.2	261.6	261.6
10°	407.7	362.5	256.3	236.4	237.7	249.7	281.5	314.7	321.4	322.7	324.0
12.5°	353.2	309.4	217.8	229.7	207.2	245.7	290.8	324.0	292.2	276.2	276.2
15°	444.9	382.5	252.3	201.9	204.5	245.7	221.8	300.1	321.4	322.7	324.0
17.5°	401.0	337.3	235.1	212.5	224.4	187.2	253.6	284.2	261.6	259.0	256.3
20°	487.4	401.0	245.7	211.1	209.8	227.1	215.1	215.1	292.2	292.2	292.2
22.5°	361.2	297.5	239.0	237.7	200.5	224.4	213.8	239.0	229.7	225.8	225.8
25°	529.9	419.6	261.6	208.5	215.1	197.9	220.4	196.5	243.0	245.7	245.7
27.5°	636.1	492.7	284.2	231.1	197.9	212.5	181.9	197.9	187.2	188.6	188.6
30°	758.3	577.7	353.2	241.7	203.2	175.3	180.6	171.3	203.2	199.2	197.9
32.5°	791.5	583.0	340.0	256.3	197.9	176.6	163.3	176.6	188.6	205.8	205.8
35°	830.0	588.3	321.4	244.3	193.9	164.7	162.0	176.6	191.2	185.9	185.9
37.5°	865.8	592.3	306.8	229.7	177.9	160.7	160.7	163.3	177.9	170.0	170.0
40°	907.0	593.6	289.5	213.8	164.7	158.0	148.7	151.4	152.7	147.4	146.1
42.5°	953.5	592.3	269.6	199.2	152.7	147.4	140.8	140.8	144.7	143.4	142.1
45°	1003.9	590.9	248.3	181.9	139.4	132.8	128.8	144.7	151.4	151.4	148.7
47.5°	1065.0	590.9	228.4	162.0	130.1	119.5	116.9	134.1	147.4	150.1	152.7
50°	1135.4	588.3	209.8	147.4	120.8	111.5	115.5	132.8	143.4	147.4	146.1
52.5°	1227.0	583.0	193.9	135.5	114.2	102.3	108.9	128.8	142.1	143.4	142.1
55°	1306.7	564.4	177.9	130.1	108.9	96.9	104.9	127.5	139.4	139.4	139.4
57.5°	1374.4	537.8	164.7	126.2	107.6	95.6	103.6	126.2	134.1	138.1	138.1
60°	1456.8	504.6	155.4	124.8	106.2	94.3	102.3	124.8	131.5	136.8	136.8
62.5°	1541.8	476.7	150.1	124.8	102.3	95.6	102.3	124.8	130.1	136.8	135.5
65°	1610.8	440.9	144.7	127.5	100.9	95.6	102.3	124.8	128.8	135.5	135.5
67.5°	1606.8	391.8	138.1	134.1	102.3	96.9	102.3	123.5	126.2	135.5	132.8
70°	1516.5	334.6	127.5	132.8	106.2	96.9	100.9	119.5	120.8	132.8	128.8
72.5°	1353.2	270.9	112.9	124.8	106.2	98.3	98.3	114.2	114.2	127.5	119.5
75°	1132.8	208.5	93.0	110.2	100.9	100.9	93.0	107.6	104.9	112.9	104.9
77.5°	844.6	158.0	71.7	91.6	91.6	99.6	89.0	99.6	95.6	96.9	93.0
80°	351.9	95.6	54.4	71.7	78.4	96.9	85.0	90.3	81.0	81.0	78.4
82.5°	146.1	61.1	37.2	45.2	53.1	86.3	81.0	77.0	66.4	61.1	57.1
85°	53.1	33.2	25.2	30.5	34.5	59.8	58.4	49.1	38.5	42.5	34.5
87.5°	4.0	5.3	5.3	6.6	6.6	8.0	13.3	13.3	8.0	6.6	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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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CATALOG NUMBER: SDL-PA1-40-827-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)