

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: P560810

Luminaire Tested: **SDL-PA1-60-827-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-827-U-T4W-A
Description: Springdale
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5082.9 lumens
Efficiency: N/A
Efficacy: 81.5 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): 62.4
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

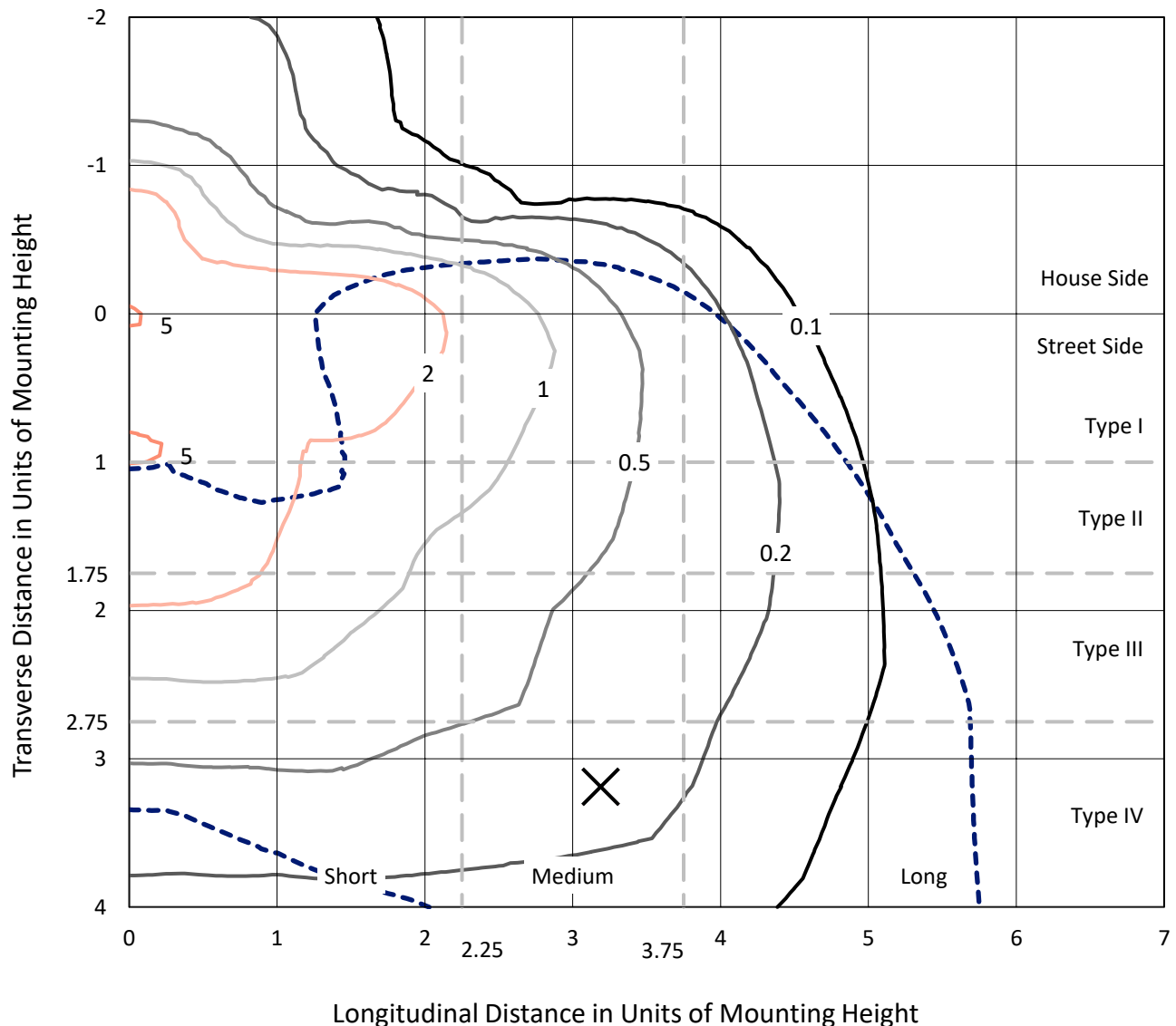


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

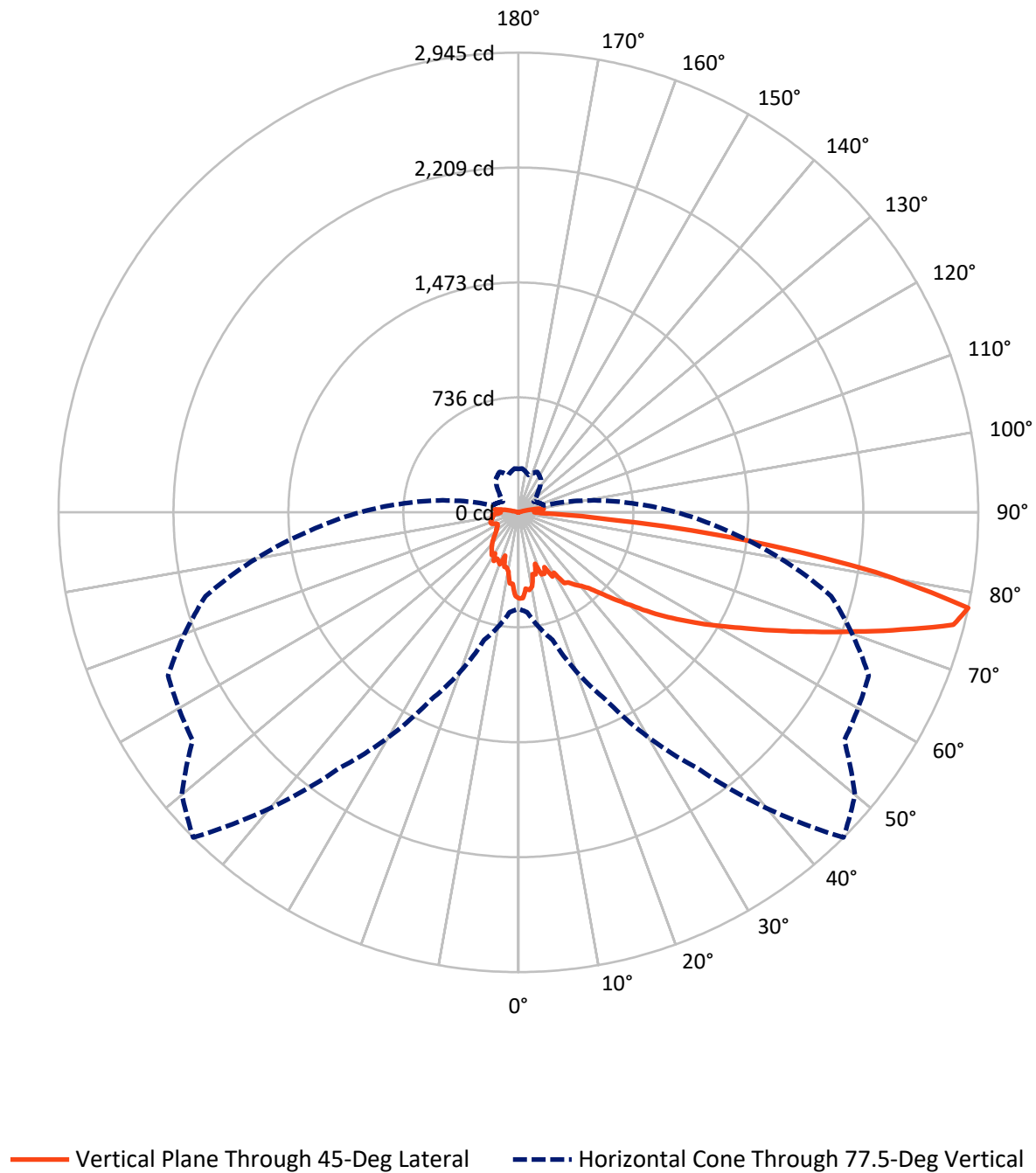


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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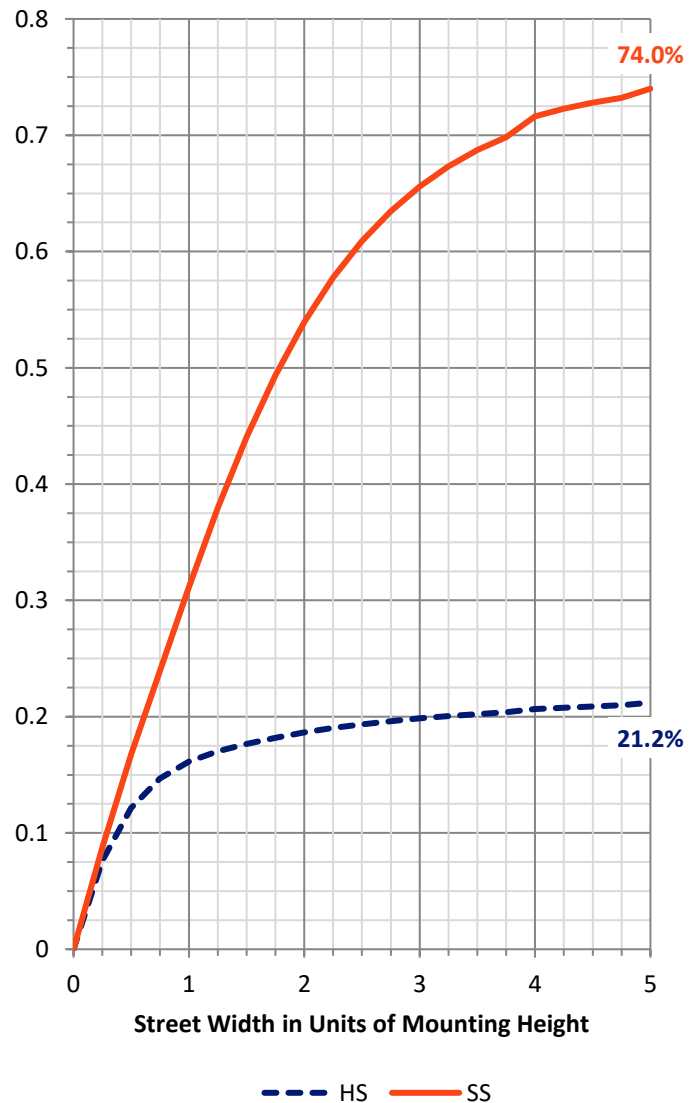
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1137.7	84.9	1222.5
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	3791.7	68.7	3860.4
	% Fixture	74.6	1.4	75.9
Total	Lumens	4929.4	153.5	5082.9
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	0.9
10°-20°	113.6	2.2
20°-30°	196.6	3.9
30°-40°	348.3	6.9
40°-50°	539.9	10.6
50°-60°	869.2	17.1
60°-70°	1278.3	25.1
70°-80°	1230.7	24.2
80°-90°	306.9	6.0
90°-100°	114.5	2.3
100°-110°	25.3	0.5
110°-120°	5.5	0.1
120°-130°	4.5	0.1
130°-140°	2.0	0.0
140°-150°	0.8	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4929.4	97.0
0°-180°	5082.9	100.0

Coefficient of Utilization



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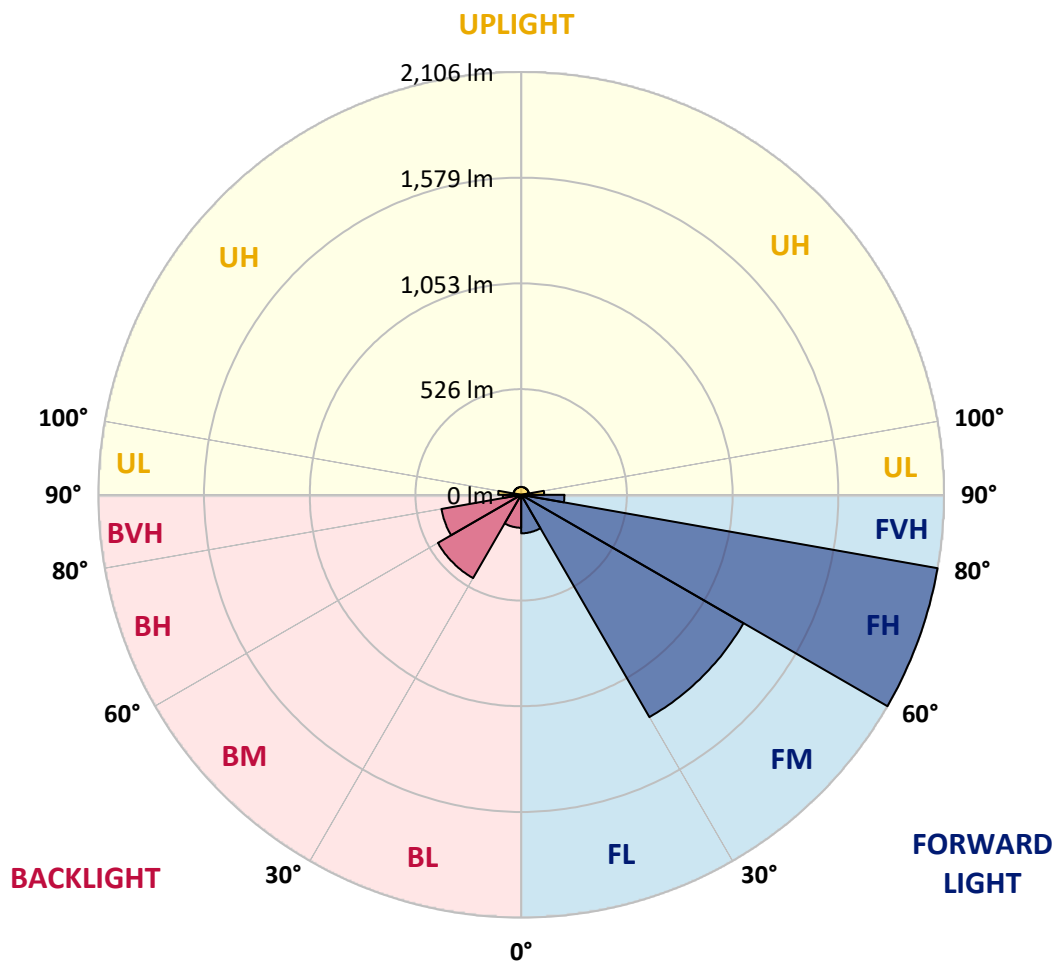
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.9	3.8			
FM	(30°-60°)	1278.4	25.2			
FH	(60°-80°)	2105.9	41.4			G2/5000
FVH	(80°-90°)	215.6	4.2			G2/225
BL	(0°-30°)	164.2	3.2	B1/500		
BM	(30°-60°)	479.0	9.4	B1/1000		
BH	(60°-80°)	403.1	7.9	B1/500		G1/500
BVH	(80°-90°)	91.3	1.8			G1/100
UL	(90°-100°)	114.5	2.3		U3/500	
UH	(100°-180°)	39.1	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°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	501.8	549.8	541.8	547.8	547.8	549.8	551.8	551.8	553.8	551.8	551.8
5°	511.8	509.8	505.8	501.8	497.8	491.8	491.8	491.8	539.8	543.8	539.8
7.5°	477.8	519.8	515.8	507.8	507.8	501.8	493.8	485.8	471.8	467.8	473.8
10°	539.8	537.8	531.8	519.8	475.8	483.8	433.8	391.9	375.9	385.9	411.9
12.5°	479.8	513.8	527.8	527.8	471.8	405.9	361.9	385.9	371.9	331.9	361.9
15°	565.8	561.8	545.8	519.8	413.9	411.9	387.9	339.9	345.9	375.9	403.9
17.5°	483.8	483.8	541.8	495.8	425.8	345.9	343.9	381.9	349.9	333.9	349.9
20°	583.8	581.8	563.8	411.9	429.8	423.8	349.9	389.9	333.9	383.9	419.9
22.5°	495.8	491.8	519.8	493.8	409.9	427.8	327.9	369.9	397.9	351.9	325.9
25°	583.8	587.8	579.8	439.8	465.8	387.9	395.9	421.9	365.9	445.8	463.8
27.5°	513.8	513.8	491.8	491.8	431.8	465.8	371.9	395.9	435.8	481.8	565.8
30°	629.8	631.8	617.8	473.8	477.8	447.8	431.8	459.8	523.8	625.8	663.8
32.5°	769.7	769.7	661.8	565.8	479.8	539.8	455.8	501.8	593.8	645.8	695.8
35°	857.7	847.7	799.7	635.8	517.8	551.8	515.8	533.8	615.8	691.8	727.7
37.5°	983.7	979.7	931.7	697.8	555.8	587.8	535.8	555.8	655.8	725.7	767.7
40°	1157.6	1137.6	1095.6	805.7	601.8	619.8	559.8	583.8	703.8	769.7	819.7
42.5°	1295.5	1299.5	1269.5	933.7	677.8	665.8	601.8	619.8	755.7	837.7	893.7
45°	1423.5	1419.5	1425.5	1087.6	771.7	739.7	675.8	677.8	821.7	921.7	997.6
47.5°	1511.5	1509.5	1523.5	1231.6	891.7	833.7	757.7	749.7	897.7	1065.6	1139.6
50°	1617.4	1611.4	1603.4	1385.5	1027.6	935.7	865.7	837.7	995.6	1227.6	1319.5
52.5°	1747.4	1733.4	1707.4	1505.5	1177.6	1065.6	987.6	949.7	1127.6	1409.5	1527.5
55°	1871.3	1851.3	1829.4	1639.4	1315.5	1195.6	1111.6	1089.6	1299.5	1597.4	1749.4
57.5°	1993.3	1983.3	1965.3	1817.4	1491.5	1331.5	1237.6	1233.6	1499.5	1779.4	1987.3
60°	2107.3	2091.3	2115.3	2009.3	1655.4	1475.5	1375.5	1405.5	1719.4	1961.3	2251.2
62.5°	2177.2	2171.2	2223.2	2185.2	1807.4	1635.4	1533.5	1585.4	1931.3	2139.2	2485.1
65°	2073.3	2089.3	2295.2	2295.2	1983.3	1825.4	1725.4	1757.4	2131.2	2319.2	2699.0
67.5°	1883.3	1905.3	2185.2	2357.2	2141.2	2039.3	1935.3	1953.3	2309.2	2465.1	2873.0
70°	1721.4	1737.4	1997.3	2361.2	2241.2	2287.2	2137.2	2121.2	2447.1	2587.1	2937.0
72.5°	1579.4	1601.4	1815.4	2337.2	2339.2	2569.1	2377.2	2281.2	2573.1	2633.1	2733.0
75°	1251.6	1241.6	1483.5	2055.3	2371.2	2877.0	2659.1	2459.1	2635.1	2475.1	2143.2
77.5°	615.8	641.8	845.7	1323.5	2001.3	2945.0	2813.0	2547.1	2475.1	2073.3	1337.5
80°	181.9	187.9	235.9	473.8	1149.6	2319.2	2323.2	2107.3	1861.3	1211.6	603.8
82.5°	102.0	104.0	136.0	205.9	471.8	1469.5	1529.5	1265.6	823.7	447.8	301.9
85°	54.0	56.0	70.0	108.0	239.9	585.8	621.8	483.8	397.9	291.9	221.9
87.5°	26.0	26.0	24.0	36.0	88.0	141.9	157.9	179.9	159.9	149.9	183.9
90°	22.0	22.0	18.0	20.0	48.0	102.0	124.0	138.0	126.0	138.0	201.9
92.5°	24.0	24.0	18.0	20.0	52.0	114.0	136.0	153.9	134.0	147.9	223.9
95°	22.0	24.0	16.0	18.0	52.0	140.0	163.9	167.9	138.0	161.9	239.9
97.5°	18.0	18.0	12.0	14.0	46.0	163.9	179.9	173.9	122.0	124.0	191.9
100°	14.0	14.0	8.0	12.0	32.0	132.0	153.9	145.9	80.0	20.0	48.0
102.5°	12.0	12.0	6.0	10.0	14.0	64.0	82.0	80.0	48.0	12.0	10.0
105°	12.0	12.0	6.0	8.0	8.0	18.0	28.0	36.0	20.0	6.0	10.0
107.5°	12.0	12.0	6.0	4.0	4.0	8.0	10.0	10.0	10.0	6.0	12.0
110°	14.0	14.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	12.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	12.0	12.0	4.0	4.0	2.0	4.0	4.0	4.0	4.0	6.0	12.0
115°	10.0	10.0	2.0	4.0	2.0	2.0	4.0	2.0	4.0	4.0	10.0
117.5°	10.0	8.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	12.0
120°	10.0	10.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	14.0
122.5°	10.0	10.0	4.0	2.0	0.0	2.0	2.0	2.0	4.0	8.0	16.0
125°	12.0	10.0	4.0	2.0	0.0	0.0	2.0	2.0	2.0	8.0	14.0
127.5°	10.0	8.0	4.0	2.0	0.0	0.0	2.0	2.0	2.0	6.0	12.0
130°	10.0	8.0	4.0	0.0	0.0	0.0	2.0	2.0	2.0	6.0	10.0
132.5°	8.0	6.0	4.0	0.0	0.0	0.0	2.0	2.0	2.0	4.0	8.0
135°	6.0	6.0	2.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0	6.0
137.5°	4.0	4.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
140°	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	6.0	6.0	6.0	4.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0
152.5°	6.0	6.0	6.0	4.0	0.0	0.0	2.0	2.0	4.0	2.0	2.0
155°	4.0	4.0	4.0	0.0	0.0	0.0	2.0	2.0	2.0	4.0	4.0
157.5°	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
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°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	549.8	547.8	545.8	543.8	539.8	535.8	525.8	483.8	483.8	485.8	485.8
5°	539.8	537.8	531.8	493.8	471.8	459.8	463.8	463.8	463.8	465.8	469.8
7.5°	471.8	469.8	441.8	439.8	447.8	457.8	463.8	453.8	433.8	433.8	433.8
10°	411.9	409.9	359.9	349.9	359.9	383.9	445.8	457.8	465.8	467.8	471.8
12.5°	359.9	353.9	309.9	341.9	319.9	359.9	415.9	461.8	419.9	411.9	411.9
15°	399.9	397.9	345.9	299.9	301.9	359.9	329.9	433.8	457.8	461.8	463.8
17.5°	349.9	345.9	317.9	315.9	333.9	289.9	365.9	413.9	393.9	399.9	399.9
20°	417.9	415.9	363.9	301.9	297.9	353.9	323.9	375.9	447.8	461.8	463.8
22.5°	323.9	323.9	333.9	353.9	321.9	337.9	345.9	397.9	383.9	391.9	415.9
25°	459.8	455.8	403.9	317.9	345.9	325.9	361.9	377.9	443.8	459.8	463.8
27.5°	557.8	547.8	433.8	357.9	311.9	349.9	347.9	365.9	375.9	437.8	445.8
30°	657.8	647.8	557.8	401.9	323.9	301.9	331.9	391.9	451.8	461.8	469.8
32.5°	693.8	685.8	569.8	425.8	325.9	321.9	329.9	391.9	495.8	535.8	543.8
35°	731.7	721.7	581.8	415.9	317.9	299.9	311.9	403.9	493.8	519.8	525.8
37.5°	777.7	759.7	595.8	395.9	295.9	283.9	297.9	367.9	469.8	495.8	499.8
40°	835.7	817.7	613.8	373.9	273.9	263.9	271.9	341.9	411.9	433.8	443.8
42.5°	923.7	889.7	621.8	355.9	253.9	243.9	251.9	307.9	361.9	375.9	381.9
45°	1037.6	977.7	633.8	331.9	235.9	221.9	233.9	281.9	307.9	307.9	307.9
47.5°	1177.6	1081.6	639.8	311.9	213.9	201.9	213.9	255.9	269.9	261.9	259.9
50°	1349.5	1213.6	669.8	287.9	195.9	185.9	205.9	225.9	231.9	235.9	235.9
52.5°	1551.5	1365.5	687.8	263.9	183.9	177.9	197.9	211.9	213.9	217.9	217.9
55°	1771.4	1531.5	697.8	241.9	175.9	167.9	189.9	203.9	203.9	207.9	207.9
57.5°	1999.3	1723.4	723.7	225.9	167.9	159.9	181.9	205.9	197.9	205.9	207.9
60°	2239.2	1901.3	701.8	209.9	155.9	153.9	183.9	219.9	217.9	227.9	229.9
62.5°	2465.1	2043.3	603.8	195.9	147.9	155.9	205.9	247.9	241.9	257.9	257.9
65°	2593.1	2091.3	443.8	187.9	141.9	167.9	227.9	275.9	255.9	263.9	259.9
67.5°	2621.1	2043.3	319.9	177.9	140.0	187.9	243.9	281.9	253.9	261.9	261.9
70°	2555.1	1931.3	257.9	169.9	138.0	189.9	247.9	281.9	255.9	273.9	269.9
72.5°	2257.2	1643.4	219.9	161.9	138.0	185.9	253.9	283.9	261.9	291.9	285.9
75°	1701.4	1229.6	193.9	153.9	130.0	179.9	257.9	285.9	253.9	285.9	281.9
77.5°	1011.6	701.8	171.9	143.9	120.0	173.9	253.9	285.9	247.9	281.9	277.9
80°	427.8	329.9	145.9	126.0	110.0	165.9	249.9	283.9	237.9	273.9	267.9
82.5°	269.9	223.9	124.0	104.0	108.0	163.9	251.9	279.9	233.9	275.9	255.9
85°	217.9	183.9	106.0	88.0	100.0	167.9	241.9	253.9	201.9	237.9	231.9
87.5°	183.9	153.9	48.0	38.0	74.0	130.0	183.9	189.9	145.9	185.9	177.9
90°	201.9	167.9	46.0	32.0	66.0	114.0	169.9	165.9	140.0	177.9	175.9
92.5°	219.9	177.9	44.0	34.0	74.0	124.0	185.9	167.9	147.9	179.9	177.9
95°	227.9	181.9	42.0	36.0	88.0	136.0	197.9	163.9	155.9	165.9	163.9
97.5°	171.9	132.0	40.0	38.0	92.0	153.9	185.9	138.0	102.0	102.0	100.0
100°	44.0	44.0	36.0	36.0	62.0	112.0	141.9	102.0	58.0	44.0	46.0
102.5°	12.0	14.0	32.0	34.0	34.0	50.0	80.0	66.0	38.0	6.0	6.0
105°	12.0	12.0	22.0	26.0	18.0	16.0	32.0	36.0	28.0	4.0	6.0
107.5°	12.0	12.0	10.0	14.0	6.0	8.0	8.0	10.0	10.0	4.0	4.0
110°	14.0	12.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	8.0	8.0



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CATALOG NUMBER: SDL-PA1-60-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	12.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0
115°	12.0	10.0	6.0	4.0	4.0	4.0	4.0	2.0	4.0	12.0	12.0
117.5°	14.0	12.0	6.0	4.0	2.0	4.0	4.0	2.0	4.0	14.0	14.0
120°	16.0	14.0	6.0	4.0	2.0	2.0	2.0	2.0	6.0	14.0	14.0
122.5°	16.0	16.0	8.0	2.0	2.0	2.0	2.0	2.0	6.0	14.0	14.0
125°	16.0	14.0	6.0	2.0	2.0	2.0	0.0	2.0	6.0	14.0	16.0
127.5°	12.0	12.0	6.0	2.0	2.0	2.0	0.0	2.0	6.0	12.0	14.0
130°	10.0	10.0	4.0	2.0	2.0	2.0	0.0	2.0	6.0	12.0	12.0
132.5°	8.0	8.0	4.0	2.0	2.0	0.0	0.0	0.0	6.0	10.0	10.0
135°	6.0	6.0	2.0	2.0	2.0	0.0	0.0	0.0	4.0	8.0	8.0
137.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	4.0	4.0
140°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	2.0	4.0	2.0	4.0
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	2.0	4.0	4.0	4.0
155°	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0	2.0	4.0	4.0
157.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	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)