

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: P560806

Luminaire Tested: **SDL-PA1-60-827-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560806
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-PA1-60-827-U-T3-A
Description: Springdale
(1) 80 CRI, 2700K, 800mA 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: 5158.9 lumens
Efficiency: N/A
Efficacy: 82.7 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

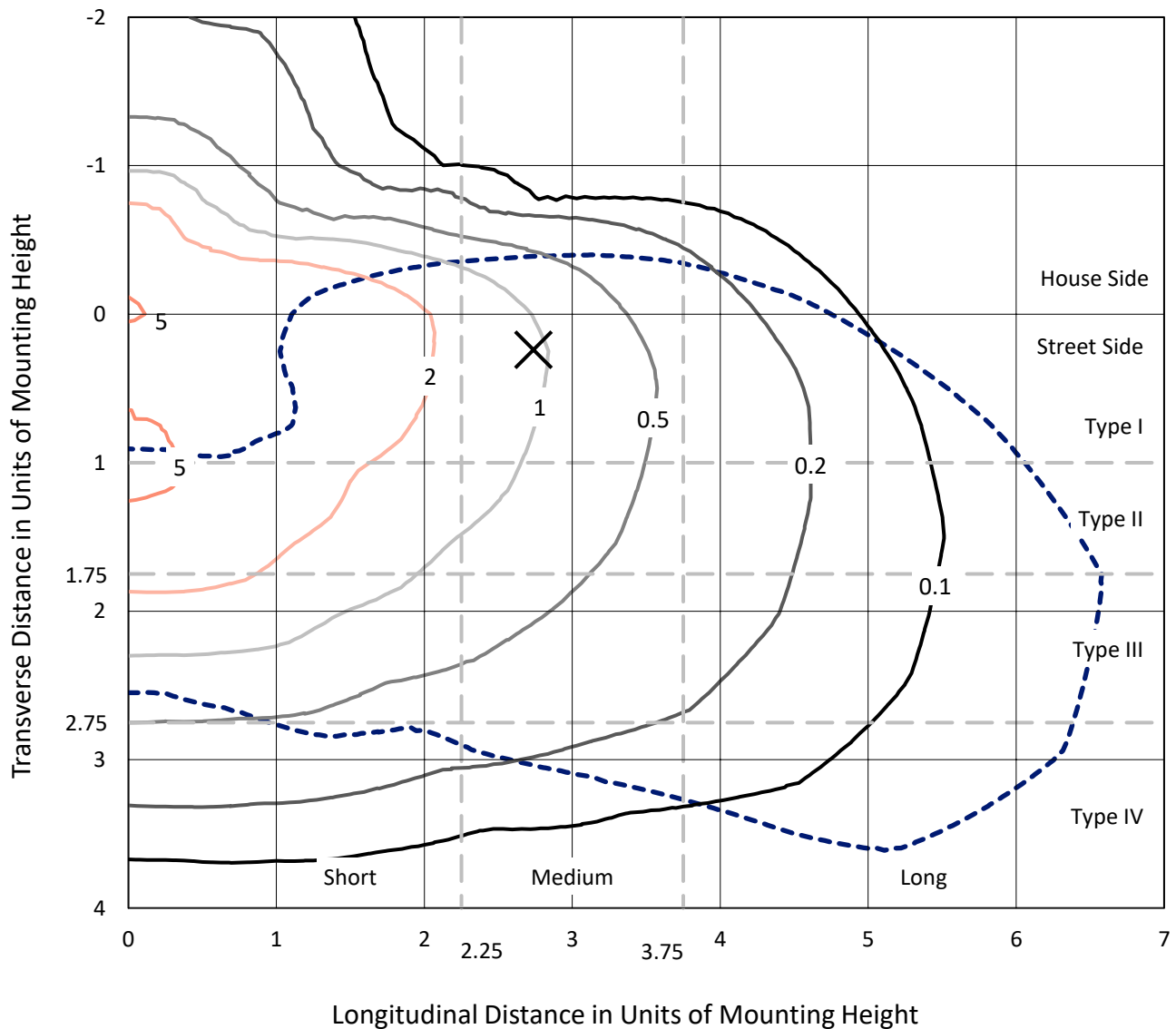


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

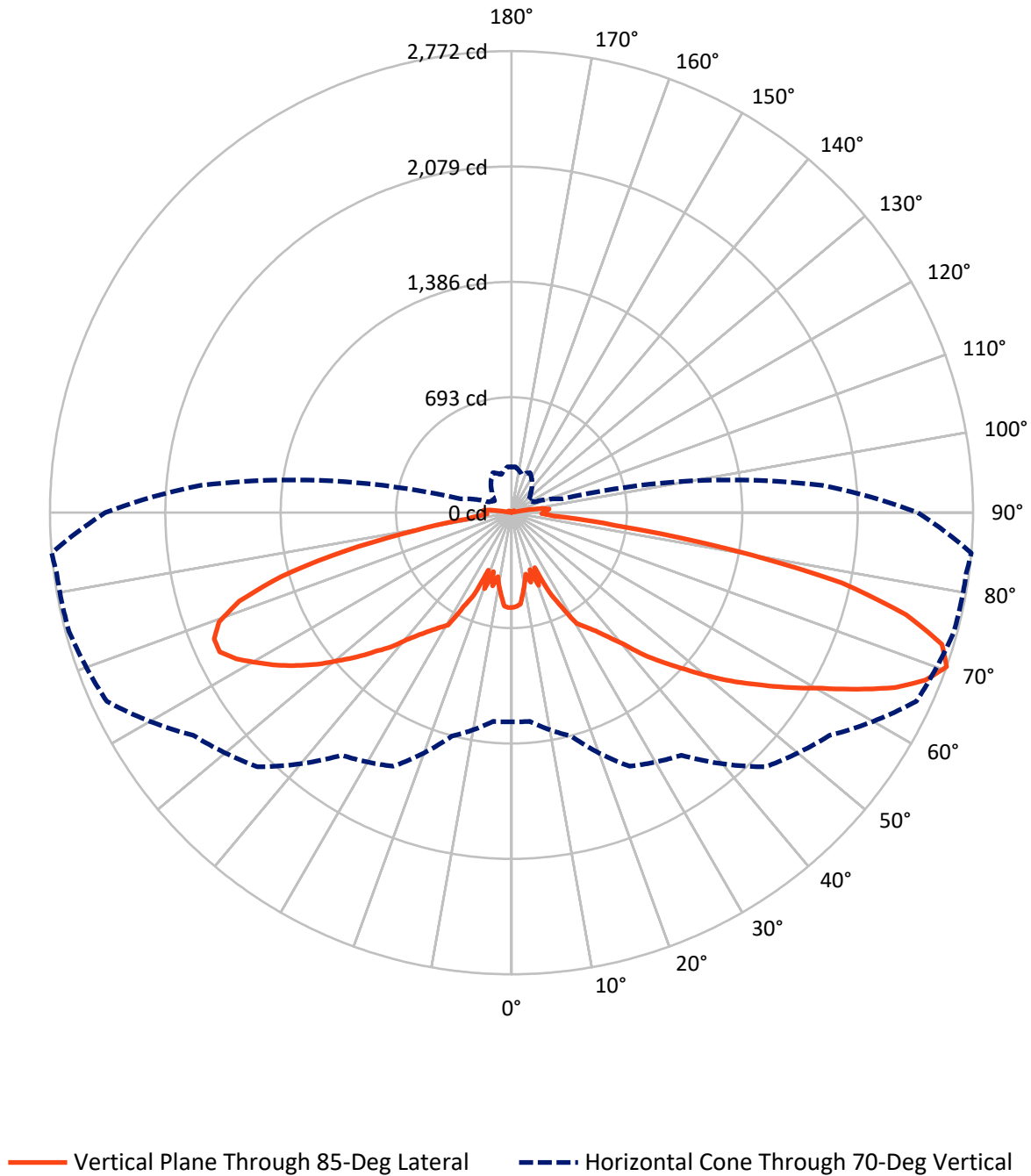


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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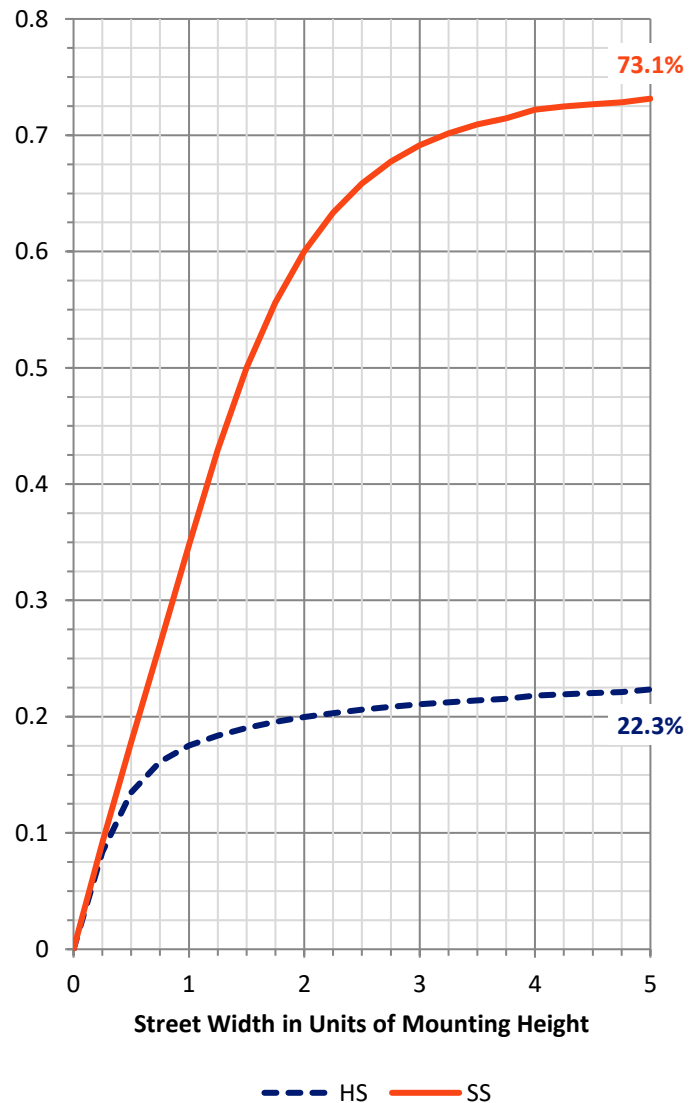
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1212.9	78.1	1291.1
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	3801.9	66.0	3867.9
	% Fixture	73.7	1.3	75.0
Total	Lumens	5014.8	144.1	5158.9
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	0.9
10°-20°	113.8	2.2
20°-30°	207.3	4.0
30°-40°	392.0	7.6
40°-50°	655.0	12.7
50°-60°	1022.3	19.8
60°-70°	1267.8	24.6
70°-80°	1035.8	20.1
80°-90°	274.2	5.3
90°-100°	104.1	2.0
100°-110°	22.2	0.4
110°-120°	7.2	0.1
120°-130°	5.6	0.1
130°-140°	2.7	0.1
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5014.8	97.2
0°-180°	5158.9	100.0

Coefficient of Utilization



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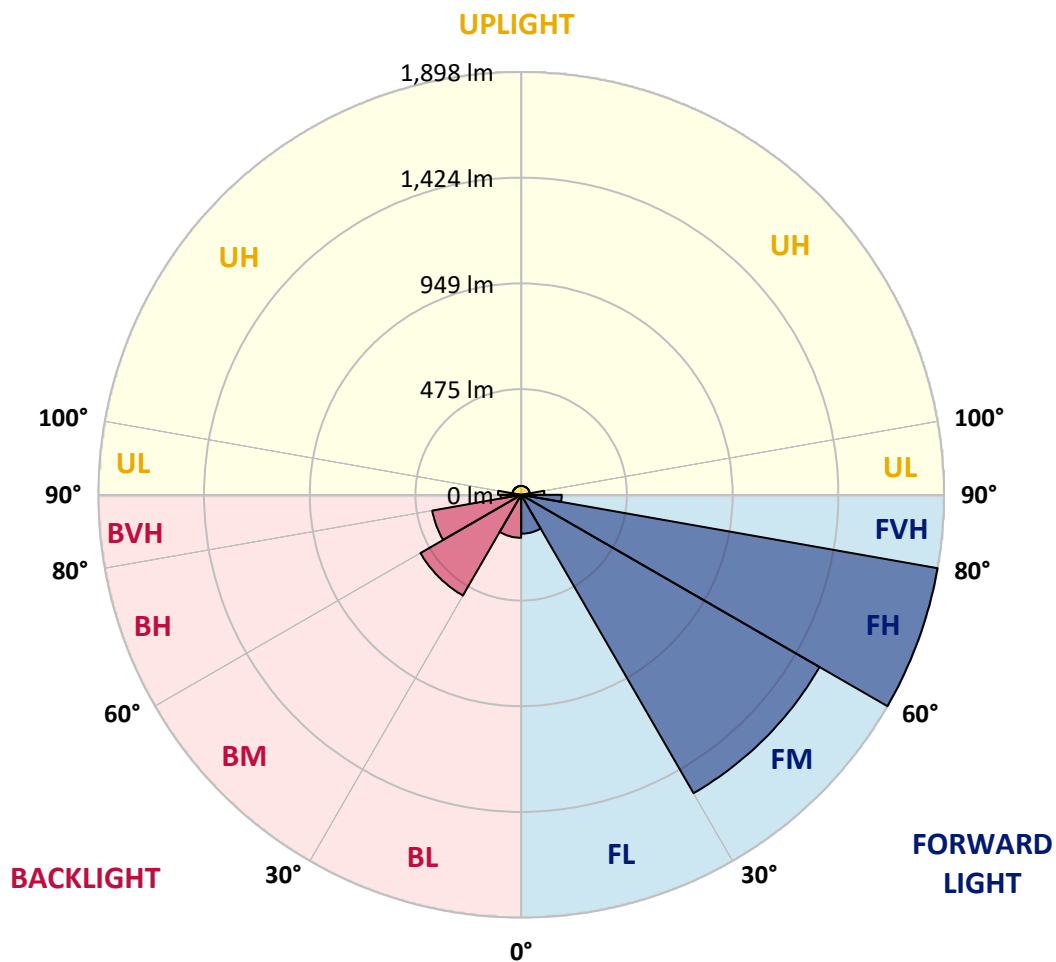
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.7	3.4			
FM	(30°-60°)	1546.9	30.0			
FH	(60°-80°)	1898.4	36.8			G2/5000
FVH	(80°-90°)	181.9	3.5			G2/225
BL	(0°-30°)	192.9	3.7	B1/500		
BM	(30°-60°)	522.5	10.1	B1/1000		
BH	(60°-80°)	405.3	7.9	B1/500		G1/500
BVH	(80°-90°)	92.3	1.8			G1/100
UL	(90°-100°)	104.1	2.0		U3/500	
UH	(100°-180°)	40.1	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°	55°	65°	75°	82.5°	85°
0°	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0
2.5°	472.0	518.0	510.0	524.0	532.0	544.0	552.0	556.0	560.0	564.0	564.0
5°	438.0	440.0	442.0	444.0	448.0	454.0	460.0	524.0	544.0	552.0	552.0
7.5°	400.0	398.0	406.0	416.0	430.0	438.0	444.0	446.0	468.0	486.0	490.0
10°	398.0	400.0	400.0	404.0	380.0	378.0	350.0	352.0	382.0	428.0	430.0
12.5°	346.0	356.0	378.0	394.0	370.0	332.0	326.0	342.0	320.0	376.0	378.0
15°	386.0	384.0	384.0	368.0	312.0	328.0	292.0	304.0	372.0	424.0	434.0
17.5°	336.0	332.0	372.0	360.0	324.0	274.0	328.0	324.0	336.0	366.0	360.0
20°	422.0	418.0	410.0	312.0	328.0	344.0	334.0	312.0	394.0	440.0	466.0
22.5°	394.0	398.0	418.0	396.0	338.0	354.0	316.0	384.0	372.0	354.0	358.0
25°	538.0	534.0	514.0	388.0	404.0	330.0	386.0	342.0	472.0	524.0	528.0
27.5°	496.0	490.0	476.0	488.0	410.0	432.0	376.0	448.0	522.0	614.0	642.0
30°	658.0	652.0	636.0	492.0	488.0	428.0	456.0	550.0	704.0	774.0	772.0
32.5°	848.0	804.0	706.0	630.0	522.0	556.0	522.0	648.0	750.0	818.0	818.0
35°	964.0	956.0	904.0	732.0	608.0	606.0	600.0	714.0	828.0	876.0	872.0
37.5°	1062.0	1076.0	1038.0	848.0	686.0	702.0	672.0	804.0	924.0	952.0	948.0
40°	1198.0	1194.0	1174.0	948.0	782.0	780.0	758.0	912.0	1030.0	1050.0	1040.0
42.5°	1399.9	1377.9	1317.9	1082.0	884.0	884.0	844.0	1014.0	1160.0	1162.0	1168.0
45°	1647.9	1637.9	1531.9	1289.9	1016.0	1014.0	948.0	1122.0	1291.9	1301.9	1283.9
47.5°	1819.9	1789.9	1737.9	1479.9	1220.0	1174.0	1074.0	1227.9	1449.9	1441.9	1405.9
50°	1989.9	1965.9	1917.9	1687.9	1431.9	1339.9	1192.0	1337.9	1601.9	1579.9	1545.9
52.5°	2135.9	2103.9	2051.9	1857.9	1617.9	1545.9	1327.9	1437.9	1755.9	1719.9	1687.9
55°	2219.9	2153.9	2157.9	2009.9	1757.9	1699.9	1479.9	1599.9	1905.9	1853.9	1827.9
57.5°	2115.9	2111.9	2177.9	2103.9	1885.9	1827.9	1641.9	1761.9	2061.9	1993.9	1981.9
60°	2011.9	2023.9	2117.9	2131.9	1985.9	1943.9	1781.9	1991.9	2213.9	2139.9	2139.9
62.5°	1867.9	1901.9	2033.9	2141.9	1995.9	2057.9	1927.9	2187.9	2379.9	2311.9	2333.9
65°	1703.9	1703.9	1855.9	2059.9	1963.9	2133.9	2089.9	2401.9	2525.9	2485.9	2531.9
67.5°	1479.9	1483.9	1641.9	1899.9	1905.9	2171.9	2219.9	2569.9	2677.9	2647.9	2681.9
70°	1255.9	1257.9	1389.9	1679.9	1777.9	2157.9	2331.9	2681.9	2751.9	2755.9	2771.9
72.5°	940.0	974.0	1098.0	1363.9	1555.9	2099.9	2389.9	2713.9	2749.9	2755.9	2703.9
75°	506.0	522.0	660.0	888.0	1156.0	1861.9	2371.9	2679.9	2653.9	2583.9	2447.9
77.5°	176.0	184.0	232.0	388.0	656.0	1317.9	2199.9	2531.9	2447.9	2227.9	2027.9
80°	114.0	114.0	126.0	186.0	298.0	624.0	1707.9	2169.9	1971.9	1501.9	1315.9
82.5°	80.0	82.0	92.0	124.0	192.0	268.0	888.0	1102.0	1086.0	748.0	630.0
85°	58.0	60.0	64.0	72.0	132.0	166.0	346.0	530.0	490.0	268.0	252.0
87.5°	26.0	30.0	26.0	32.0	52.0	102.0	166.0	164.0	156.0	178.0	182.0
90°	20.0	20.0	16.0	18.0	36.0	92.0	154.0	148.0	158.0	194.0	192.0
92.5°	20.0	20.0	16.0	18.0	34.0	92.0	162.0	144.0	164.0	208.0	210.0
95°	20.0	22.0	16.0	16.0	28.0	94.0	172.0	154.0	174.0	226.0	226.0
97.5°	18.0	18.0	12.0	14.0	22.0	86.0	172.0	132.0	128.0	182.0	180.0
100°	14.0	16.0	8.0	12.0	16.0	52.0	128.0	82.0	36.0	42.0	64.0
102.5°	14.0	14.0	8.0	10.0	12.0	22.0	68.0	48.0	10.0	14.0	14.0
105°	14.0	16.0	8.0	8.0	8.0	10.0	32.0	24.0	8.0	12.0	14.0
107.5°	16.0	16.0	6.0	6.0	6.0	6.0	12.0	10.0	8.0	14.0	16.0
110°	16.0	16.0	6.0	6.0	4.0	4.0	6.0	6.0	8.0	14.0	16.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	14.0	14.0	6.0	6.0	4.0	4.0	4.0	6.0	8.0	12.0	14.0
115°	10.0	10.0	4.0	6.0	4.0	4.0	4.0	6.0	6.0	10.0	12.0
117.5°	10.0	8.0	4.0	4.0	2.0	4.0	4.0	6.0	8.0	14.0	14.0
120°	10.0	10.0	4.0	2.0	2.0	2.0	2.0	4.0	10.0	16.0	18.0
122.5°	10.0	10.0	4.0	2.0	2.0	2.0	2.0	4.0	10.0	16.0	18.0
125°	12.0	10.0	6.0	2.0	2.0	2.0	2.0	2.0	8.0	14.0	16.0
127.5°	10.0	10.0	6.0	2.0	2.0	2.0	2.0	2.0	6.0	12.0	14.0
130°	10.0	10.0	6.0	2.0	2.0	2.0	2.0	2.0	6.0	10.0	10.0
132.5°	8.0	8.0	6.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	8.0
135°	8.0	8.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0	6.0
137.5°	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	6.0	6.0	6.0	4.0	4.0	2.0	4.0	2.0	2.0	2.0	2.0
152.5°	6.0	6.0	8.0	4.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0
155°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0
157.5°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	2.0	2.0	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°	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0
2.5°	566.0	570.0	572.0	578.0	578.0	578.0	564.0	530.0	530.0	532.0	534.0
5°	558.0	562.0	570.0	542.0	514.0	512.0	522.0	528.0	530.0	532.0	528.0
7.5°	494.0	502.0	498.0	500.0	514.0	528.0	540.0	532.0	512.0	498.0	502.0
10°	440.0	448.0	404.0	408.0	424.0	464.0	530.0	552.0	566.0	572.0	572.0
12.5°	386.0	392.0	354.0	410.0	382.0	444.0	516.0	570.0	516.0	494.0	494.0
15°	442.0	454.0	408.0	364.0	372.0	450.0	396.0	544.0	560.0	564.0	568.0
17.5°	378.0	370.0	378.0	384.0	418.0	350.0	454.0	512.0	480.0	468.0	474.0
20°	476.0	484.0	442.0	378.0	382.0	446.0	404.0	458.0	546.0	548.0	552.0
22.5°	362.0	372.0	396.0	450.0	394.0	432.0	426.0	476.0	446.0	448.0	464.0
25°	532.0	540.0	498.0	402.0	430.0	390.0	430.0	424.0	500.0	504.0	504.0
27.5°	652.0	634.0	544.0	454.0	378.0	412.0	388.0	404.0	386.0	440.0	448.0
30°	776.0	776.0	706.0	506.0	400.0	350.0	354.0	384.0	428.0	436.0	436.0
32.5°	814.0	812.0	722.0	548.0	394.0	362.0	326.0	362.0	438.0	476.0	480.0
35°	868.0	860.0	750.0	534.0	380.0	330.0	308.0	364.0	420.0	426.0	422.0
37.5°	936.0	916.0	784.0	508.0	348.0	310.0	296.0	328.0	376.0	376.0	376.0
40°	1020.0	988.0	796.0	472.0	314.0	284.0	270.0	304.0	336.0	318.0	312.0
42.5°	1134.0	1086.0	806.0	446.0	284.0	262.0	244.0	276.0	292.0	282.0	278.0
45°	1239.9	1168.0	822.0	418.0	260.0	242.0	226.0	254.0	266.0	256.0	254.0
47.5°	1365.9	1269.9	824.0	392.0	242.0	226.0	214.0	238.0	246.0	246.0	244.0
50°	1495.9	1367.9	840.0	370.0	224.0	210.0	208.0	226.0	232.0	228.0	226.0
52.5°	1643.9	1477.9	846.0	342.0	202.0	192.0	202.0	214.0	232.0	234.0	234.0
55°	1801.9	1579.9	842.0	304.0	186.0	182.0	196.0	222.0	238.0	226.0	224.0
57.5°	1955.9	1681.9	844.0	262.0	170.0	178.0	198.0	232.0	244.0	230.0	224.0
60°	2093.9	1773.9	816.0	224.0	158.0	168.0	206.0	242.0	238.0	242.0	236.0
62.5°	2263.9	1869.9	736.0	200.0	148.0	164.0	206.0	248.0	232.0	248.0	248.0
65°	2403.9	1941.9	622.0	180.0	140.0	164.0	208.0	250.0	226.0	252.0	252.0
67.5°	2463.9	1939.9	450.0	164.0	130.0	160.0	208.0	258.0	232.0	260.0	258.0
70°	2439.9	1873.9	318.0	152.0	124.0	162.0	216.0	264.0	238.0	276.0	274.0
72.5°	2277.9	1717.9	230.0	142.0	116.0	154.0	222.0	272.0	244.0	300.0	300.0
75°	2005.9	1435.9	186.0	132.0	108.0	152.0	224.0	276.0	248.0	304.0	304.0
77.5°	1533.9	1032.0	156.0	122.0	100.0	148.0	222.0	282.0	246.0	304.0	304.0
80°	920.0	588.0	130.0	110.0	102.0	146.0	226.0	282.0	246.0	300.0	300.0
82.5°	424.0	270.0	116.0	92.0	96.0	144.0	230.0	278.0	236.0	300.0	288.0
85°	236.0	190.0	100.0	78.0	86.0	136.0	218.0	250.0	212.0	248.0	244.0
87.5°	176.0	148.0	64.0	40.0	56.0	96.0	168.0	198.0	160.0	192.0	190.0
90°	188.0	156.0	58.0	40.0	60.0	88.0	158.0	176.0	148.0	178.0	176.0
92.5°	202.0	164.0	58.0	42.0	68.0	96.0	158.0	172.0	146.0	162.0	164.0
95°	212.0	170.0	56.0	46.0	72.0	104.0	154.0	158.0	134.0	140.0	146.0
97.5°	166.0	128.0	50.0	48.0	70.0	84.0	126.0	124.0	92.0	86.0	86.0
100°	52.0	36.0	44.0	50.0	42.0	40.0	74.0	88.0	54.0	36.0	34.0
102.5°	16.0	14.0	40.0	48.0	32.0	18.0	40.0	56.0	40.0	6.0	8.0
105°	16.0	16.0	26.0	40.0	22.0	8.0	16.0	30.0	24.0	6.0	6.0
107.5°	16.0	14.0	10.0	22.0	8.0	6.0	8.0	8.0	8.0	6.0	6.0
110°	16.0	16.0	8.0	8.0	6.0	6.0	6.0	4.0	4.0	10.0	10.0



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CATALOG NUMBER: SDL-PA1-60-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.0	16.0	8.0	8.0	6.0	6.0	4.0	4.0	6.0	14.0	14.0
115°	14.0	14.0	8.0	6.0	4.0	6.0	4.0	4.0	6.0	16.0	16.0
117.5°	16.0	16.0	8.0	6.0	4.0	4.0	4.0	2.0	6.0	18.0	20.0
120°	20.0	18.0	10.0	4.0	4.0	4.0	4.0	4.0	8.0	16.0	18.0
122.5°	20.0	20.0	10.0	4.0	2.0	2.0	2.0	4.0	8.0	16.0	18.0
125°	18.0	18.0	10.0	4.0	2.0	2.0	2.0	2.0	8.0	14.0	14.0
127.5°	16.0	16.0	8.0	4.0	2.0	2.0	2.0	2.0	6.0	12.0	14.0
130°	12.0	12.0	6.0	4.0	2.0	2.0	2.0	2.0	6.0	10.0	12.0
132.5°	10.0	10.0	6.0	4.0	2.0	2.0	2.0	2.0	6.0	8.0	10.0
135°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	8.0
137.5°	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0	4.0
152.5°	2.0	2.0	2.0	4.0	2.0	0.0	0.0	4.0	4.0	6.0	6.0
155°	6.0	6.0	4.0	2.0	2.0	0.0	0.0	0.0	4.0	4.0	4.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	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

(END OF REPORT)