

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: P561066

Luminaire Tested: **SDL-PA1-80-730-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-730-U-T2U-A
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8075.9 lumens
Efficiency: N/A
Efficacy: 98.5 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: B3 - U3 - G3

Input Watts (W): 82
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



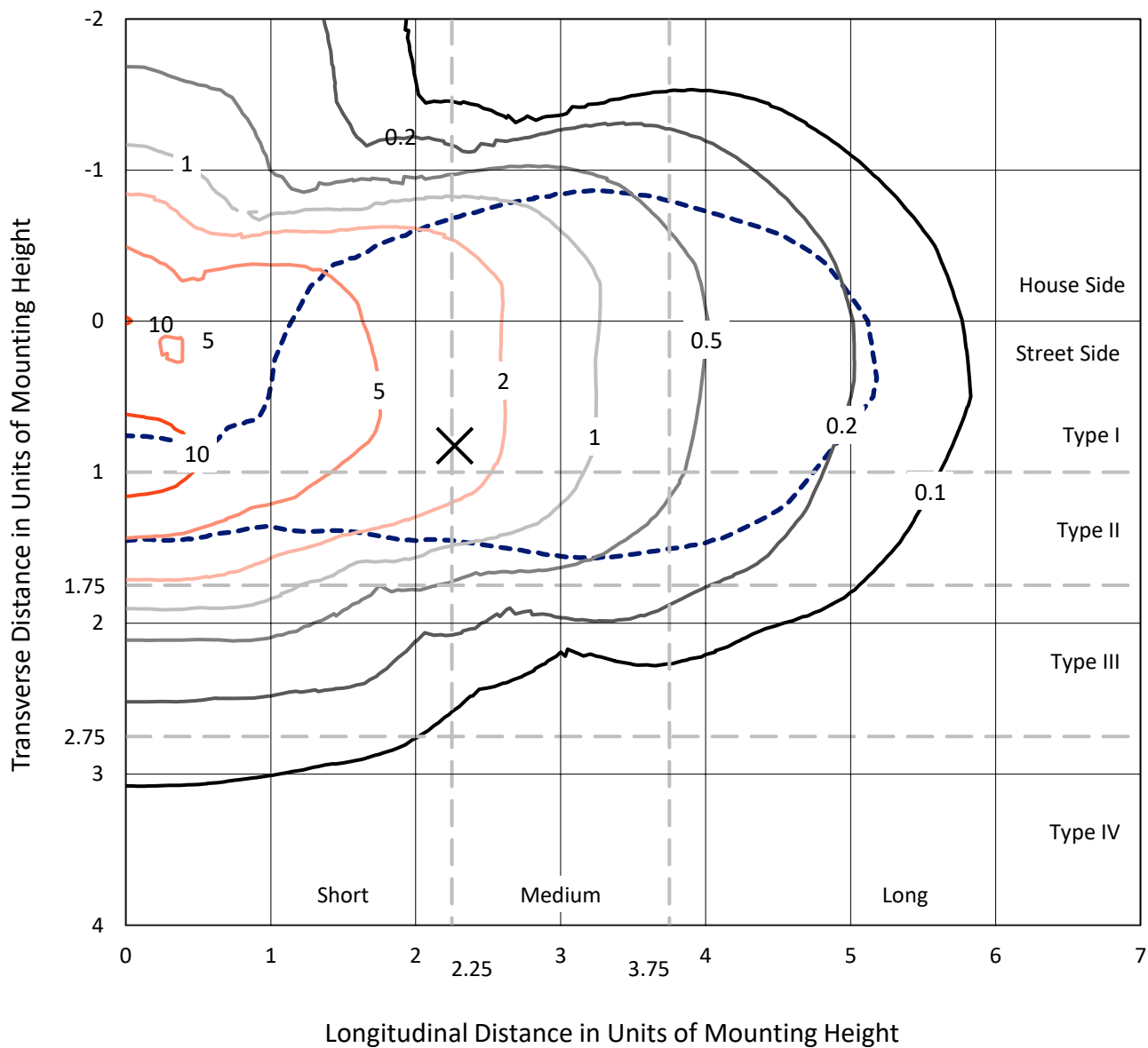
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



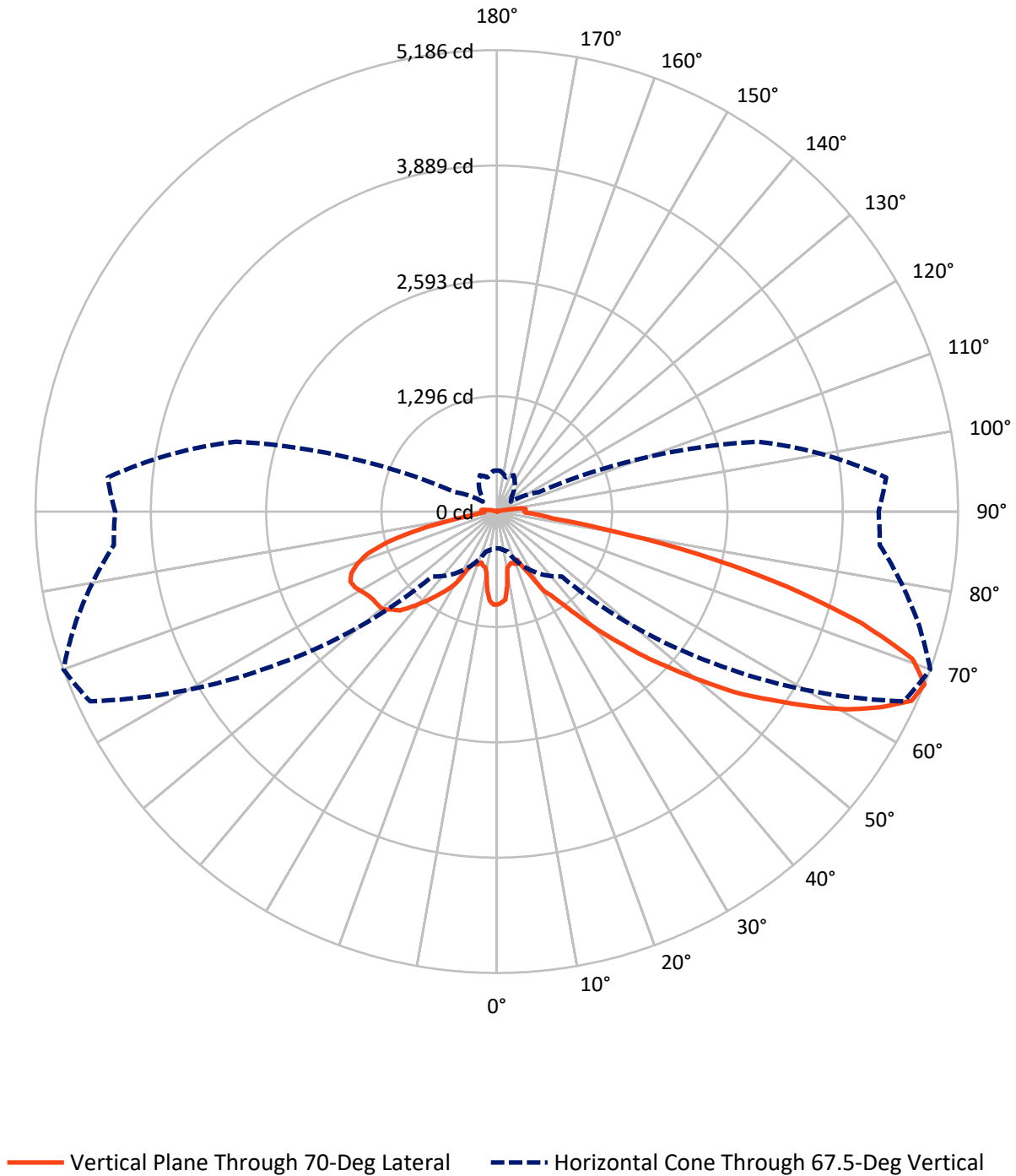
Based on 10 foot mounting height. Maximum calculated value = 13.5 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



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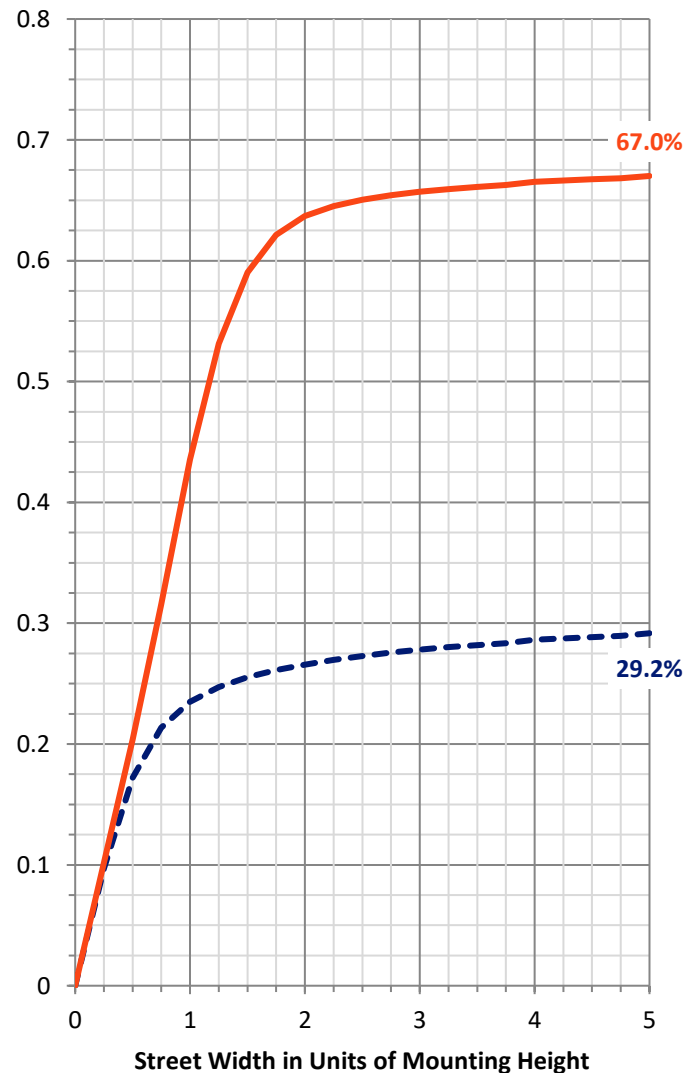
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2429.0	95.3	2524.3
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	5459.5	92.1	5551.6
	% Fixture	67.6	1.1	68.7
Total	Lumens	7888.6	187.3	8075.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	1.0
10°-20°	193.7	2.4
20°-30°	343.7	4.3
30°-40°	724.2	9.0
40°-50°	1354.0	16.8
50°-60°	1875.3	23.2
60°-70°	1808.2	22.4
70°-80°	1188.8	14.7
80°-90°	316.8	3.9
90°-100°	129.9	1.6
100°-110°	28.4	0.4
110°-120°	12.3	0.2
120°-130°	8.8	0.1
130°-140°	4.0	0.0
140°-150°	2.1	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7888.6	97.7
0°-180°	8075.9	100.0



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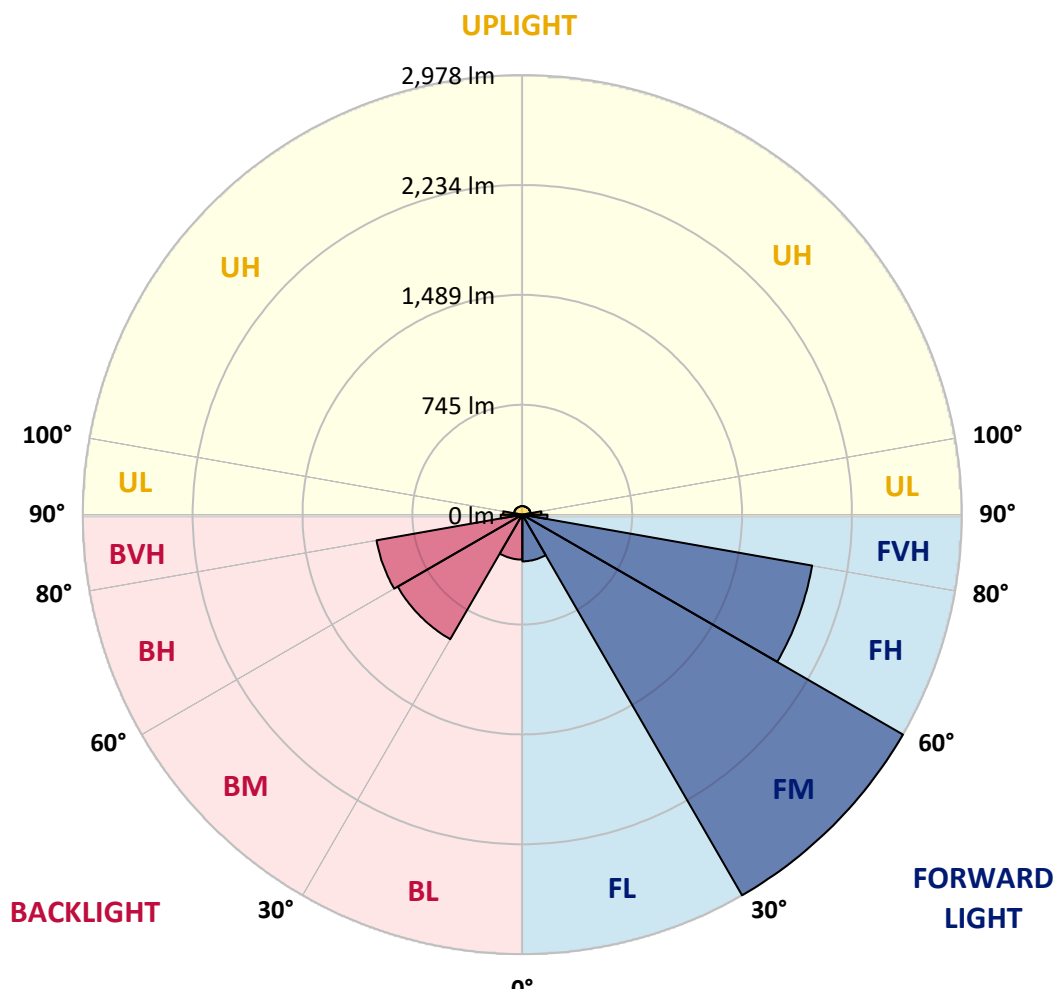
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	316.5	3.9			
FM	(30°-60°)	2978.3	36.9			
FH	(60°-80°)	1994.3	24.7			G2/5000
FVH	(80°-90°)	170.5	2.1			G2/225
BL	(0°-30°)	304.7	3.8	B1/500		
BM	(30°-60°)	975.2	12.1	B1/1000		
BH	(60°-80°)	1002.7	12.4	B3/2500		G3/2500
BVH	(80°-90°)	146.3	1.8			G2/225
UL	(90°-100°)	129.9	1.6		U3/500	
UH	(100°-180°)	57.4	0.7		U3/500	

BUG Rating: B3-U3-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2
2.5°	872.5	943.4	921.8	989.7	1005.1	1020.5	1023.6	1026.7	1023.6	1026.7	1032.8
5°	823.2	826.3	829.3	835.5	835.5	841.7	854.0	983.5	995.8	1005.1	1017.4
7.5°	687.5	718.4	776.9	798.5	807.8	820.1	826.3	826.3	838.6	869.4	891.0
10°	764.6	758.4	761.5	764.6	721.4	712.2	647.4	638.2	647.4	669.0	770.8
12.5°	641.3	672.1	736.9	752.3	699.9	619.7	610.4	622.8	619.7	558.0	653.6
15°	743.0	739.9	733.8	721.4	585.8	613.5	527.2	533.4	598.1	641.3	730.7
17.5°	647.4	644.4	730.7	706.0	616.6	477.9	601.2	558.0	610.4	564.2	604.3
20°	804.7	801.6	792.3	588.9	628.9	635.1	582.7	539.5	628.9	650.5	733.8
22.5°	730.7	730.7	789.3	773.9	638.2	672.1	555.0	656.7	588.9	598.1	555.0
25°	1005.1	995.8	983.5	718.4	767.7	616.6	687.5	604.3	702.9	761.5	798.5
27.5°	974.3	955.8	943.4	952.7	770.8	807.8	681.4	752.3	810.8	835.5	931.1
30°	1368.9	1344.2	1307.2	998.9	958.8	826.3	823.2	931.1	1026.7	1103.7	1156.2
32.5°	1745.0	1751.2	1560.0	1341.1	1060.6	1103.7	980.4	1091.4	1122.2	1202.4	1233.2
35°	2238.3	2176.6	2056.4	1674.1	1291.8	1248.6	1140.7	1245.6	1276.4	1353.5	1372.0
37.5°	2626.8	2629.9	2444.9	2013.2	1547.7	1510.7	1322.6	1430.5	1486.0	1572.4	1541.5
40°	2999.8	3015.2	2867.3	2361.6	1871.4	1769.7	1541.5	1667.9	1745.0	1797.4	1745.0
42.5°	3332.8	3329.7	3228.0	2747.0	2173.6	2115.0	1772.8	1936.2	2004.0	2053.3	2013.2
45°	3594.9	3585.6	3493.1	3061.5	2531.2	2611.4	2074.9	2244.5	2315.4	2370.9	2272.2
47.5°	3684.3	3634.9	3594.9	3289.6	2864.2	3049.2	2448.0	2543.5	2626.8	2722.4	2562.0
50°	3588.7	3524.0	3539.4	3397.5	3144.7	3416.0	2848.8	2888.8	2990.6	3073.8	2836.4
52.5°	3191.0	3175.6	3261.9	3289.6	3265.0	3696.6	3298.9	3184.8	3385.2	3394.5	3120.1
55°	2666.9	2648.4	2851.8	2965.9	3150.9	3807.6	3681.2	3601.0	3730.5	3715.1	3372.9
57.5°	2148.9	2136.6	2321.6	2509.6	2830.3	3745.9	3949.4	4057.3	4122.1	4035.7	3607.2
60°	1439.8	1464.5	1782.0	2034.8	2315.4	3376.0	4051.2	4482.8	4513.6	4328.6	3853.8
62.5°	918.8	952.7	1156.2	1569.3	1729.6	2740.9	3977.2	4862.0	4843.5	4593.8	4082.0
65°	588.9	601.2	699.9	1063.7	1239.4	1815.9	3647.3	5121.0	5124.1	4831.2	4263.9
67.5°	413.1	416.2	462.5	662.9	857.1	1032.8	2965.9	5047.0	5185.7	4911.3	4322.5
70°	370.0	373.1	385.4	450.1	650.5	641.3	1797.4	4510.5	4957.6	4806.5	4233.1
72.5°	329.9	333.0	354.6	391.6	499.5	502.5	860.2	3591.8	4285.5	4433.5	3967.9
75°	274.4	280.6	305.2	366.9	385.4	422.4	576.5	2525.0	3372.9	3819.9	3653.4
77.5°	231.2	234.3	252.8	311.4	336.1	342.2	493.3	1399.7	2330.8	2811.8	3218.7
80°	185.0	185.0	200.4	246.6	277.5	280.6	440.9	739.9	1291.8	1701.9	2238.3
82.5°	120.2	123.3	141.8	185.0	206.6	277.5	391.6	539.5	632.0	820.1	1017.4
85°	77.1	77.1	89.4	104.8	123.3	212.7	345.3	447.0	471.7	514.9	462.5
87.5°	37.0	37.0	33.9	40.1	46.2	80.2	240.5	317.6	320.6	314.5	339.1
90°	30.8	30.8	24.7	27.7	30.8	43.2	181.9	311.4	308.3	320.6	351.5
92.5°	33.9	33.9	24.7	27.7	30.8	37.0	132.6	314.5	323.7	339.1	373.1
95°	37.0	37.0	24.7	24.7	27.7	33.9	83.2	271.3	326.8	342.2	385.4
97.5°	33.9	33.9	18.5	21.6	24.7	30.8	52.4	203.5	255.9	268.2	305.2
100°	30.8	30.8	15.4	18.5	21.6	24.7	33.9	104.8	111.0	83.2	117.2
102.5°	27.7	30.8	12.3	15.4	15.4	15.4	21.6	49.3	49.3	27.7	30.8
105°	27.7	30.8	12.3	12.3	9.2	12.3	12.3	18.5	21.6	15.4	24.7
107.5°	30.8	30.8	12.3	12.3	9.2	9.2	9.2	12.3	15.4	12.3	24.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	18.5	18.5	9.2	12.3	6.2	6.2	6.2	9.2	12.3	15.4	33.9
115°	15.4	12.3	6.2	9.2	6.2	6.2	6.2	9.2	9.2	12.3	27.7
117.5°	15.4	12.3	6.2	6.2	3.1	6.2	6.2	9.2	9.2	12.3	24.7
120°	15.4	15.4	6.2	3.1	3.1	3.1	3.1	6.2	9.2	15.4	27.7
122.5°	18.5	15.4	6.2	6.2	3.1	3.1	3.1	6.2	9.2	15.4	27.7
125°	18.5	18.5	9.2	6.2	3.1	3.1	3.1	6.2	9.2	12.3	24.7
127.5°	18.5	15.4	9.2	6.2	3.1	3.1	3.1	3.1	6.2	9.2	21.6
130°	15.4	15.4	9.2	3.1	3.1	3.1	3.1	3.1	6.2	6.2	15.4
132.5°	12.3	12.3	9.2	3.1	3.1	3.1	3.1	3.1	3.1	6.2	12.3
135°	9.2	9.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	9.2
137.5°	6.2	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
150°	6.2	6.2	12.3	9.2	6.2	3.1	6.2	3.1	3.1	3.1	3.1
152.5°	9.2	9.2	12.3	9.2	3.1	3.1	3.1	6.2	3.1	3.1	3.1
155°	6.2	6.2	6.2	3.1	3.1	3.1	3.1	3.1	6.2	6.2	9.2
157.5°	0.0	0.0	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	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°	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2	1045.2
2.5°	1035.9	1035.9	1045.2	1048.2	1045.2	1042.1	1023.6	968.1	934.2	937.3	937.3
5°	1020.5	1023.6	1032.8	977.3	909.5	915.7	924.9	928.0	928.0	934.2	934.2
7.5°	900.3	903.3	878.7	887.9	909.5	924.9	931.1	915.7	866.3	847.8	847.8
10°	780.0	780.0	693.7	696.8	721.4	767.7	912.6	928.0	943.4	946.5	943.4
12.5°	659.8	662.9	591.9	681.4	650.5	733.8	841.7	931.1	860.2	789.3	798.5
15°	736.9	743.0	665.9	585.8	601.2	724.5	628.9	863.3	869.4	869.4	869.4
17.5°	591.9	625.9	588.9	604.3	665.9	545.7	712.2	789.3	724.5	706.0	706.0
20°	736.9	736.9	672.1	582.7	616.6	709.1	632.0	702.9	826.3	826.3	823.2
22.5°	548.8	548.8	588.9	675.2	619.7	699.9	669.0	727.6	656.7	656.7	675.2
25°	792.3	783.1	715.3	598.1	706.0	647.4	672.1	635.1	743.0	752.3	746.1
27.5°	955.8	949.6	767.7	687.5	662.9	690.6	604.3	591.9	570.4	656.7	647.4
30°	1131.5	1116.1	1005.1	829.3	727.6	582.7	545.7	567.3	628.9	632.0	628.9
32.5°	1214.7	1180.8	1057.5	992.7	743.0	601.2	490.2	505.6	625.9	662.9	662.9
35°	1328.8	1291.8	1153.1	1082.2	739.9	530.3	434.7	490.2	564.2	567.3	567.3
37.5°	1486.0	1430.5	1313.4	1134.6	690.6	468.6	400.8	434.7	487.1	502.5	508.7
40°	1667.9	1597.0	1492.2	1168.5	619.7	394.6	357.6	400.8	440.9	428.5	428.5
42.5°	1923.8	1819.0	1667.9	1220.9	530.3	348.4	326.8	366.9	394.6	400.8	397.7
45°	2164.3	2034.8	1874.5	1239.4	431.6	314.5	305.2	348.4	376.1	366.9	366.9
47.5°	2435.6	2272.2	2028.7	1196.2	354.6	296.0	305.2	336.1	348.4	363.8	363.8
50°	2703.9	2528.1	2253.7	1128.4	314.5	283.6	305.2	323.7	348.4	357.6	354.6
52.5°	2947.4	2793.3	2389.4	1008.2	292.9	274.4	296.0	323.7	354.6	370.0	370.0
55°	3212.6	3055.3	2512.7	900.3	274.4	255.9	305.2	336.1	345.3	354.6	354.6
57.5°	3413.0	3289.6	2648.4	804.7	262.1	255.9	311.4	351.5	348.4	357.6	357.6
60°	3656.5	3548.6	2771.7	758.4	243.6	243.6	323.7	379.2	354.6	382.3	382.3
62.5°	3915.5	3850.8	2891.9	724.5	225.1	237.4	326.8	400.8	366.9	410.0	413.1
65°	4165.2	4177.6	3002.9	644.4	209.6	237.4	333.0	428.5	379.2	434.7	440.9
67.5°	4291.6	4393.4	3033.7	518.0	194.2	234.3	351.5	450.1	397.7	459.4	462.5
70°	4267.0	4399.5	2962.8	382.3	181.9	246.6	379.2	468.6	407.0	490.2	490.2
72.5°	4051.2	4146.7	2753.2	289.8	169.6	237.4	385.4	474.8	413.1	539.5	539.5
75°	3745.9	3647.3	2266.1	240.5	160.3	237.4	376.1	468.6	407.0	527.2	524.1
77.5°	3249.6	2919.7	1563.1	212.7	151.1	228.1	351.5	456.3	388.5	490.2	496.4
80°	2084.2	1797.4	798.5	185.0	160.3	218.9	339.1	422.4	360.7	437.8	440.9
82.5°	949.6	798.5	363.8	163.4	157.2	197.3	308.3	376.1	314.5	373.1	370.0
85°	400.8	407.0	286.7	138.7	138.7	154.2	228.1	292.9	243.6	262.1	255.9
87.5°	311.4	299.1	197.3	83.2	89.4	67.8	148.0	209.6	160.3	169.6	166.5
90°	329.9	323.7	209.6	86.3	64.7	40.1	111.0	163.4	120.2	107.9	104.8
92.5°	351.5	348.4	234.3	92.5	64.7	33.9	95.6	132.6	86.3	74.0	70.9
95°	376.1	376.1	255.9	98.7	64.7	33.9	86.3	101.7	64.7	49.3	46.2
97.5°	299.1	305.2	218.9	101.7	61.7	33.9	77.1	83.2	49.3	27.7	27.7
100°	120.2	132.6	120.2	101.7	55.5	27.7	61.7	64.7	33.9	15.4	15.4
102.5°	27.7	33.9	83.2	89.4	43.2	18.5	40.1	40.1	21.6	9.2	9.2
105°	27.7	24.7	55.5	70.9	24.7	12.3	18.5	24.7	12.3	6.2	6.2
107.5°	27.7	27.7	24.7	33.9	12.3	9.2	9.2	9.2	6.2	6.2	6.2



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CATALOG NUMBER: SDL-PA1-80-730-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	37.0	33.9	15.4	12.3	9.2	9.2	6.2	6.2	9.2	30.8	30.8
115°	30.8	27.7	15.4	9.2	9.2	9.2	6.2	3.1	9.2	33.9	33.9
117.5°	27.7	24.7	15.4	9.2	6.2	9.2	6.2	3.1	9.2	33.9	33.9
120°	30.8	27.7	15.4	9.2	6.2	6.2	6.2	3.1	9.2	30.8	30.8
122.5°	30.8	30.8	18.5	6.2	6.2	3.1	6.2	3.1	9.2	27.7	27.7
125°	27.7	24.7	15.4	6.2	3.1	3.1	3.1	3.1	12.3	24.7	27.7
127.5°	24.7	21.6	12.3	6.2	3.1	3.1	3.1	3.1	9.2	18.5	21.6
130°	18.5	18.5	9.2	6.2	3.1	3.1	3.1	3.1	9.2	18.5	15.4
132.5°	12.3	12.3	9.2	6.2	3.1	3.1	3.1	3.1	9.2	12.3	12.3
135°	9.2	9.2	6.2	3.1	3.1	3.1	3.1	3.1	6.2	9.2	9.2
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2
140°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	3.1	6.2	3.1	3.1	6.2	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	9.2	9.2	6.2
155°	9.2	9.2	6.2	3.1	3.1	3.1	3.1	3.1	6.2	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	0.0	0.0	3.1	0.0
160°	0.0	0.0	3.1	3.1	3.1	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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110°	27.7	27.7	9.2	12.3	6.2	6.2	6.2	9.2	12.3	27.7
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110°	30.8	27.7	12.3	12.3	9.2	9.2	6.2	6.2	3.1	18.5	21.6
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(END OF REPORT)