

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: P560542

Luminaire Tested: **SDL-PA1-50-730-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560542
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-PA1-50-730-U-T3-A
Description: Springdale
(1) 70 CRI, 3000K, 670mA 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: 5485.8 lumens
Efficiency: N/A
Efficacy: 104.7 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

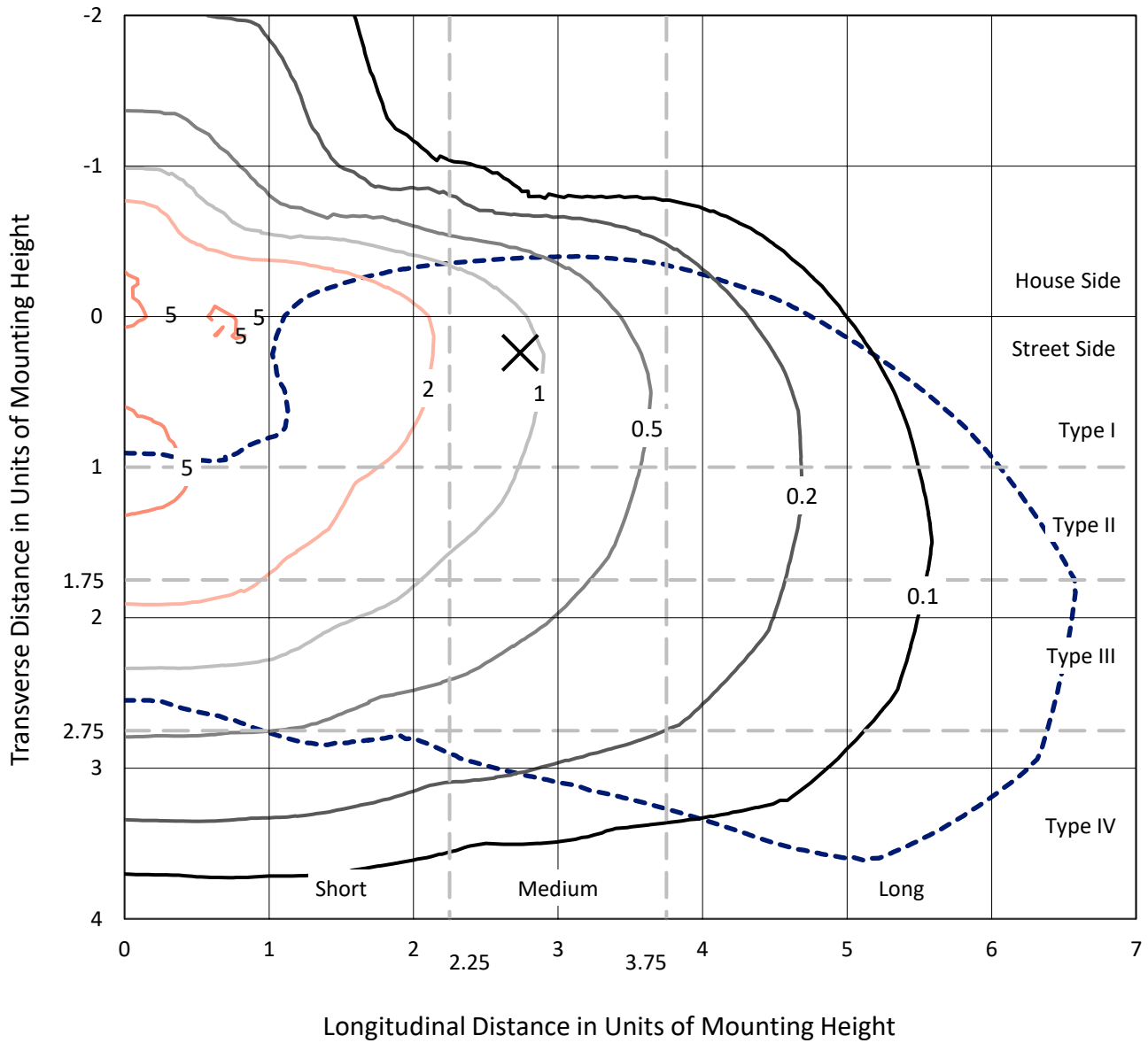
Input Watts (W): 52.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

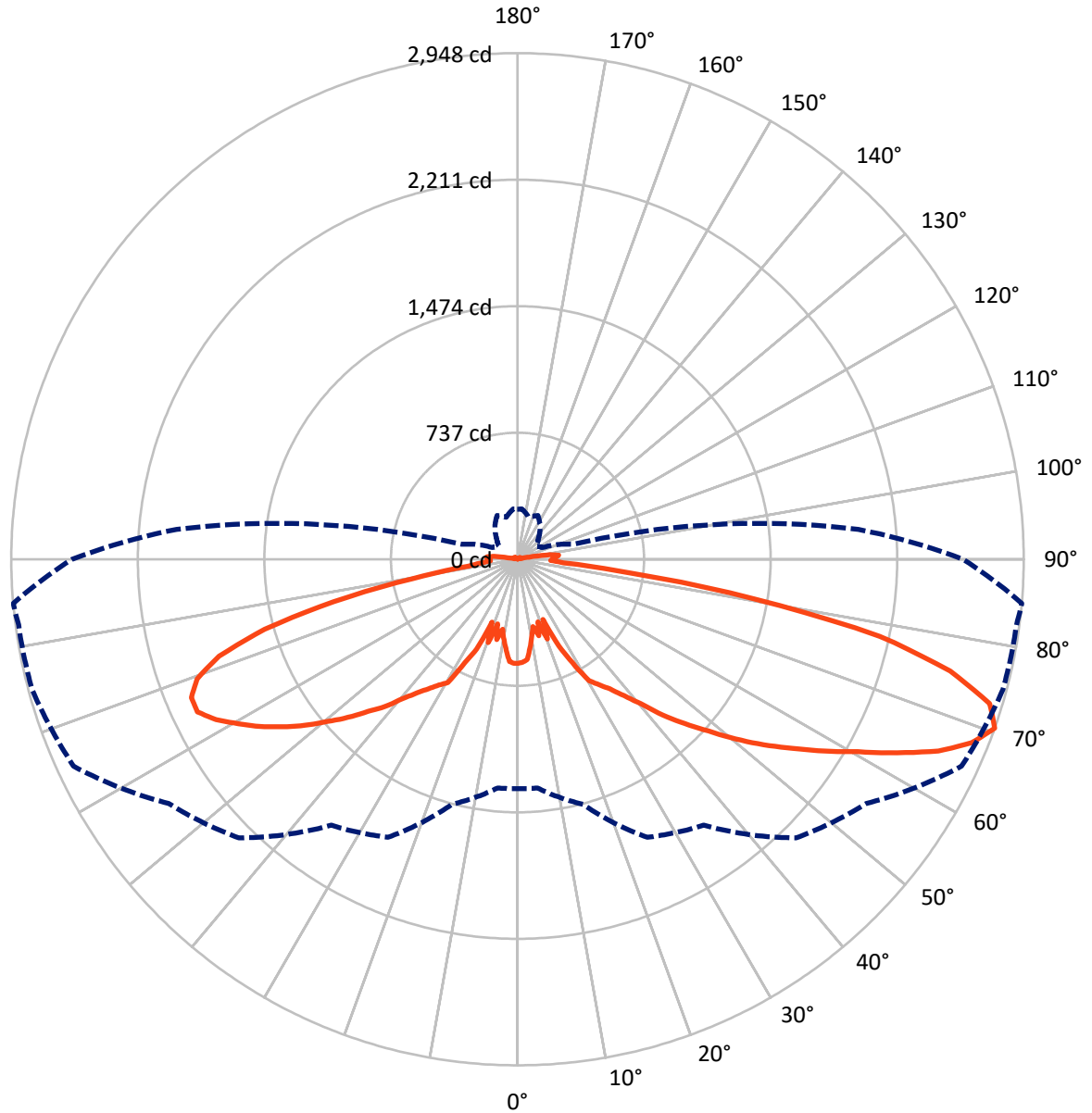
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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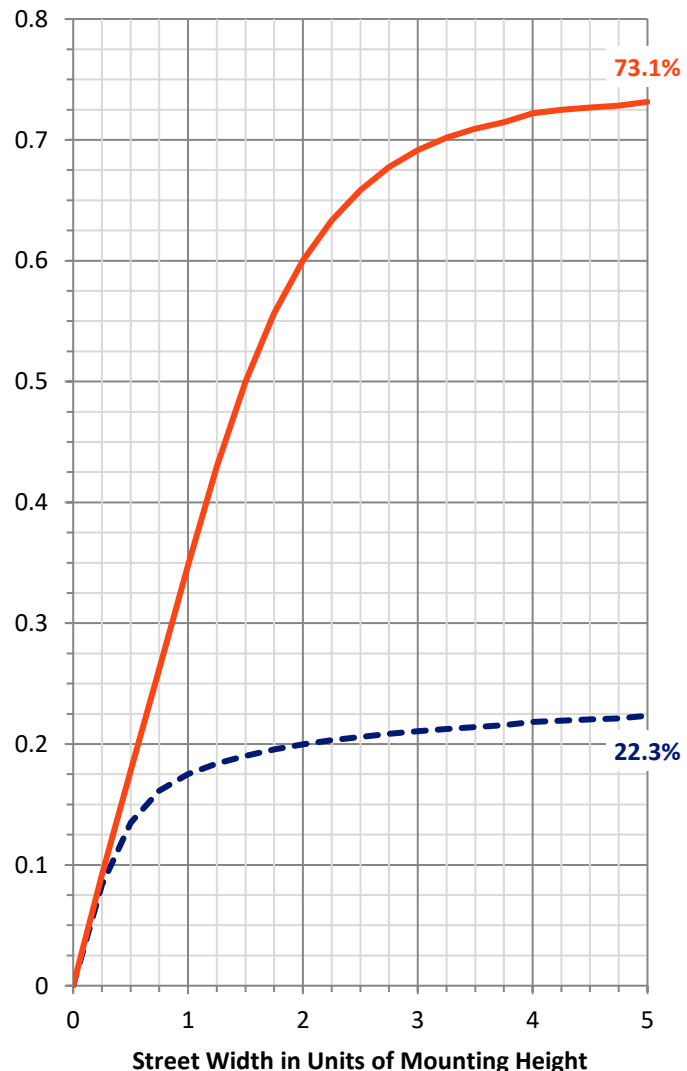
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1289.8	83.1	1372.8
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	4042.8	70.2	4113.0
	% Fixture	73.7	1.3	75.0
Total	Lumens	5332.5	153.3	5485.8
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	0.9
10°-20°	121.0	2.2
20°-30°	220.5	4.0
30°-40°	416.8	7.6
40°-50°	696.6	12.7
50°-60°	1087.1	19.8
60°-70°	1348.2	24.6
70°-80°	1101.4	20.1
80°-90°	291.5	5.3
90°-100°	110.7	2.0
100°-110°	23.6	0.4
110°-120°	7.7	0.1
120°-130°	5.9	0.1
130°-140°	2.8	0.1
140°-150°	1.3	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5332.5	97.2
0°-180°	5485.8	100.0



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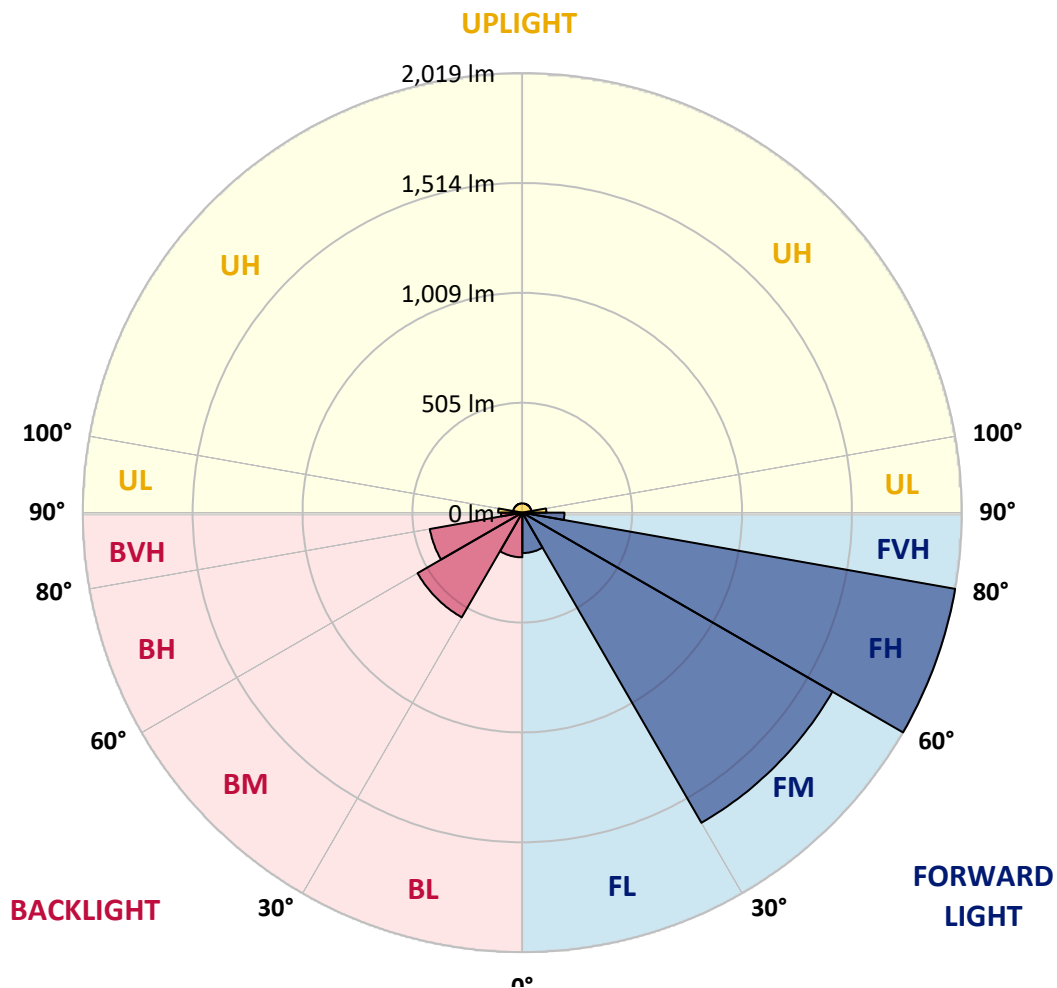
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.8	3.4			
FM (30°-60°)	1644.9	30.0			
FH (60°-80°)	2018.7	36.8			G2/5000
FVH (80°-90°)	193.4	3.5			G2/225
BL (0°-30°)	205.1	3.7	B1/500		
BM (30°-60°)	555.6	10.1	B1/1000		
BH (60°-80°)	431.0	7.9	B1/500		G1/500
BVH (80°-90°)	98.1	1.8			G1/100
UL (90°-100°)	110.7	2.0		U3/500	
UH (100°-180°)	42.6	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°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1
2.5°	501.9	550.8	542.3	557.2	565.7	578.5	587.0	591.2	595.5	599.7	599.7
5°	465.7	467.9	470.0	472.1	476.4	482.8	489.1	557.2	578.5	587.0	587.0
7.5°	425.3	423.2	431.7	442.3	457.2	465.7	472.1	474.2	497.6	516.8	521.0
10°	423.2	425.3	425.3	429.6	404.1	401.9	372.2	374.3	406.2	455.1	457.2
12.5°	367.9	378.5	401.9	419.0	393.4	353.0	346.6	363.7	340.3	399.8	401.9
15°	410.4	408.3	408.3	391.3	331.8	348.8	310.5	323.3	395.6	450.9	461.5
17.5°	357.3	353.0	395.6	382.8	344.5	291.4	348.8	344.5	357.3	389.2	382.8
20°	448.7	444.5	436.0	331.8	348.8	365.8	355.2	331.8	419.0	467.9	495.5
22.5°	419.0	423.2	444.5	421.1	359.4	376.4	336.0	408.3	395.6	376.4	380.7
25°	572.1	567.8	546.6	412.6	429.6	350.9	410.4	363.7	501.9	557.2	561.4
27.5°	527.4	521.0	506.1	518.9	436.0	459.4	399.8	476.4	555.1	652.9	682.7
30°	699.7	693.3	676.3	523.2	518.9	455.1	484.9	584.8	748.6	823.0	820.9
32.5°	901.7	854.9	750.7	669.9	555.1	591.2	555.1	689.0	797.5	869.8	869.8
35°	1025.0	1016.5	961.2	778.4	646.5	644.4	638.0	759.2	880.4	931.5	927.2
37.5°	1129.3	1144.1	1103.7	901.7	729.4	746.5	714.6	854.9	982.5	1012.3	1008.0
40°	1273.9	1269.6	1248.3	1008.0	831.5	829.4	806.0	969.8	1095.2	1116.5	1105.9
42.5°	1488.7	1465.3	1401.5	1150.5	940.0	940.0	897.4	1078.2	1233.5	1235.6	1242.0
45°	1752.4	1741.7	1629.0	1371.7	1080.3	1078.2	1008.0	1193.1	1373.8	1384.5	1365.3
47.5°	1935.3	1903.4	1848.1	1573.7	1297.3	1248.3	1142.0	1305.8	1541.8	1533.3	1495.0
50°	2116.0	2090.5	2039.5	1794.9	1522.7	1424.9	1267.5	1422.7	1703.5	1680.1	1643.9
52.5°	2271.3	2237.2	2181.9	1975.7	1720.5	1643.9	1412.1	1529.1	1867.2	1828.9	1794.9
55°	2360.6	2290.4	2294.7	2137.3	1869.3	1807.7	1573.7	1701.3	2026.7	1971.4	1943.8
57.5°	2250.0	2245.7	2315.9	2237.2	2005.4	1943.8	1746.0	1873.6	2192.6	2120.3	2107.5
60°	2139.4	2152.2	2252.1	2267.0	2111.8	2067.1	1894.8	2118.1	2354.2	2275.5	2275.5
62.5°	1986.3	2022.4	2162.8	2277.6	2122.4	2188.3	2050.1	2326.6	2530.7	2458.4	2481.8
65°	1811.9	1811.9	1973.5	2190.5	2088.4	2269.1	2222.4	2554.1	2686.0	2643.4	2692.3
67.5°	1573.7	1578.0	1746.0	2020.3	2026.7	2309.5	2360.6	2732.8	2847.6	2815.7	2851.8
70°	1335.5	1337.7	1478.0	1786.4	1890.6	2294.7	2479.7	2851.8	2926.3	2930.5	2947.5
72.5°	999.5	1035.7	1167.5	1450.4	1654.5	2233.0	2541.4	2885.9	2924.2	2930.5	2875.2
75°	538.0	555.1	701.8	944.2	1229.2	1979.9	2522.2	2849.7	2822.1	2747.6	2603.0
77.5°	187.1	195.7	246.7	412.6	697.5	1401.5	2339.3	2692.3	2603.0	2369.1	2156.4
80°	121.2	121.2	134.0	197.8	316.9	663.5	1816.2	2307.4	2096.9	1597.1	1399.3
82.5°	85.1	87.2	97.8	131.9	204.2	285.0	944.2	1171.8	1154.8	795.4	669.9
85°	61.7	63.8	68.1	76.6	140.4	176.5	367.9	563.6	521.0	285.0	268.0
87.5°	27.6	31.9	27.6	34.0	55.3	108.5	176.5	174.4	165.9	189.3	193.5
90°	21.3	21.3	17.0	19.1	38.3	97.8	163.8	157.4	168.0	206.3	204.2
92.5°	21.3	21.3	17.0	19.1	36.2	97.8	172.3	153.1	174.4	221.2	223.3
95°	21.3	23.4	17.0	17.0	29.8	100.0	182.9	163.8	185.0	240.3	240.3
97.5°	19.1	19.1	12.8	14.9	23.4	91.4	182.9	140.4	136.1	193.5	191.4
100°	14.9	17.0	8.5	12.8	17.0	55.3	136.1	87.2	38.3	44.7	68.1
102.5°	14.9	14.9	8.5	10.6	12.8	23.4	72.3	51.0	10.6	14.9	14.9
105°	14.9	17.0	8.5	8.5	8.5	10.6	34.0	25.5	8.5	12.8	14.9
107.5°	17.0	17.0	6.4	6.4	6.4	6.4	12.8	10.6	8.5	14.9	17.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	14.9	14.9	6.4	6.4	4.3	4.3	4.3	6.4	8.5	12.8	14.9
115°	10.6	10.6	4.3	6.4	4.3	4.3	4.3	6.4	6.4	10.6	12.8
117.5°	10.6	8.5	4.3	4.3	2.1	4.3	4.3	6.4	8.5	14.9	14.9
120°	10.6	10.6	4.3	2.1	2.1	2.1	2.1	4.3	10.6	17.0	19.1
122.5°	10.6	10.6	4.3	2.1	2.1	2.1	2.1	4.3	10.6	17.0	19.1
125°	12.8	10.6	6.4	2.1	2.1	2.1	2.1	2.1	8.5	14.9	17.0
127.5°	10.6	10.6	6.4	2.1	2.1	2.1	2.1	2.1	6.4	12.8	14.9
130°	10.6	10.6	6.4	2.1	2.1	2.1	2.1	2.1	6.4	10.6	10.6
132.5°	8.5	8.5	6.4	2.1	2.1	2.1	2.1	2.1	4.3	8.5	8.5
135°	8.5	8.5	4.3	2.1	2.1	2.1	2.1	2.1	2.1	6.4	6.4
137.5°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
140°	0.0	2.1	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1
150°	6.4	6.4	6.4	4.3	4.3	2.1	4.3	2.1	2.1	2.1	2.1
152.5°	6.4	6.4	8.5	4.3	2.1	2.1	2.1	4.3	2.1	2.1	2.1
155°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4
157.5°	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
160°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1
2.5°	601.8	606.1	608.2	614.6	614.6	614.6	599.7	563.6	563.6	565.7	567.8
5°	593.3	597.6	606.1	576.3	546.6	544.4	555.1	561.4	563.6	565.7	561.4
7.5°	525.3	533.8	529.5	531.7	546.6	561.4	574.2	565.7	544.4	529.5	533.8
10°	467.9	476.4	429.6	433.8	450.9	493.4	563.6	587.0	601.8	608.2	608.2
12.5°	410.4	416.8	376.4	436.0	406.2	472.1	548.7	606.1	548.7	525.3	525.3
15°	470.0	482.8	433.8	387.1	395.6	478.5	421.1	578.5	595.5	599.7	604.0
17.5°	401.9	393.4	401.9	408.3	444.5	372.2	482.8	544.4	510.4	497.6	504.0
20°	506.1	514.7	470.0	401.9	406.2	474.2	429.6	487.0	580.6	582.7	587.0
22.5°	384.9	395.6	421.1	478.5	419.0	459.4	453.0	506.1	474.2	476.4	493.4
25°	565.7	574.2	529.5	427.5	457.2	414.7	457.2	450.9	531.7	535.9	535.9
27.5°	693.3	674.1	578.5	482.8	401.9	438.1	412.6	429.6	410.4	467.9	476.4
30°	825.1	825.1	750.7	538.0	425.3	372.2	376.4	408.3	455.1	463.6	463.6
32.5°	865.5	863.4	767.7	582.7	419.0	384.9	346.6	384.9	465.7	506.1	510.4
35°	923.0	914.5	797.5	567.8	404.1	350.9	327.5	387.1	446.6	453.0	448.7
37.5°	995.3	974.0	833.6	540.2	370.0	329.6	314.7	348.8	399.8	399.8	399.8
40°	1084.6	1050.6	846.4	501.9	333.9	302.0	287.1	323.3	357.3	338.1	331.8
42.5°	1205.8	1154.8	857.0	474.2	302.0	278.6	259.5	293.5	310.5	299.9	295.6
45°	1318.5	1242.0	874.1	444.5	276.5	257.3	240.3	270.1	282.8	272.2	270.1
47.5°	1452.5	1350.4	876.2	416.8	257.3	240.3	227.6	253.1	261.6	261.6	259.5
50°	1590.7	1454.6	893.2	393.4	238.2	223.3	221.2	240.3	246.7	242.4	240.3
52.5°	1748.1	1571.6	899.6	363.7	214.8	204.2	214.8	227.6	246.7	248.8	248.8
55°	1916.1	1680.1	895.3	323.3	197.8	193.5	208.4	236.1	253.1	240.3	238.2
57.5°	2079.9	1788.5	897.4	278.6	180.8	189.3	210.5	246.7	259.5	244.6	238.2
60°	2226.6	1886.3	867.7	238.2	168.0	178.6	219.0	257.3	253.1	257.3	250.9
62.5°	2407.4	1988.4	782.6	212.7	157.4	174.4	219.0	263.7	246.7	263.7	263.7
65°	2556.2	2065.0	661.4	191.4	148.9	174.4	221.2	265.8	240.3	268.0	268.0
67.5°	2620.0	2062.9	478.5	174.4	138.2	170.1	221.2	274.3	246.7	276.5	274.3
70°	2594.5	1992.7	338.1	161.6	131.9	172.3	229.7	280.7	253.1	293.5	291.4
72.5°	2422.3	1826.8	244.6	151.0	123.3	163.8	236.1	289.2	259.5	319.0	319.0
75°	2133.0	1526.9	197.8	140.4	114.8	161.6	238.2	293.5	263.7	323.3	323.3
77.5°	1631.1	1097.4	165.9	129.7	106.3	157.4	236.1	299.9	261.6	323.3	323.3
80°	978.3	625.2	138.2	117.0	108.5	155.2	240.3	299.9	261.6	319.0	319.0
82.5°	450.9	287.1	123.3	97.8	102.1	153.1	244.6	295.6	250.9	319.0	306.2
85°	250.9	202.0	106.3	82.9	91.4	144.6	231.8	265.8	225.4	263.7	259.5
87.5°	187.1	157.4	68.1	42.5	59.5	102.1	178.6	210.5	170.1	204.2	202.0
90°	199.9	165.9	61.7	42.5	63.8	93.6	168.0	187.1	157.4	189.3	187.1
92.5°	214.8	174.4	61.7	44.7	72.3	102.1	168.0	182.9	155.2	172.3	174.4
95°	225.4	180.8	59.5	48.9	76.6	110.6	163.8	168.0	142.5	148.9	155.2
97.5°	176.5	136.1	53.2	51.0	74.4	89.3	134.0	131.9	97.8	91.4	91.4
100°	55.3	38.3	46.8	53.2	44.7	42.5	78.7	93.6	57.4	38.3	36.2
102.5°	17.0	14.9	42.5	51.0	34.0	19.1	42.5	59.5	42.5	6.4	8.5
105°	17.0	17.0	27.6	42.5	23.4	8.5	17.0	31.9	25.5	6.4	6.4
107.5°	17.0	14.9	10.6	23.4	8.5	6.4	8.5	8.5	8.5	6.4	6.4



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CATALOG NUMBER: SDL-PA1-50-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.0	17.0	8.5	8.5	6.4	6.4	4.3	4.3	6.4	14.9	14.9
115°	14.9	14.9	8.5	6.4	4.3	6.4	4.3	4.3	6.4	17.0	17.0
117.5°	17.0	17.0	8.5	6.4	4.3	4.3	4.3	2.1	6.4	19.1	21.3
120°	21.3	19.1	10.6	4.3	4.3	4.3	4.3	4.3	8.5	17.0	19.1
122.5°	21.3	21.3	10.6	4.3	2.1	2.1	2.1	4.3	8.5	17.0	19.1
125°	19.1	19.1	10.6	4.3	2.1	2.1	2.1	2.1	8.5	14.9	14.9
127.5°	17.0	17.0	8.5	4.3	2.1	2.1	2.1	2.1	6.4	12.8	14.9
130°	12.8	12.8	6.4	4.3	2.1	2.1	2.1	2.1	6.4	10.6	12.8
132.5°	10.6	10.6	6.4	4.3	2.1	2.1	2.1	2.1	6.4	8.5	10.6
135°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.5
137.5°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
140°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4	4.3
152.5°	2.1	2.1	2.1	4.3	2.1	0.0	0.0	4.3	4.3	6.4	6.4
155°	6.4	6.4	4.3	2.1	2.1	0.0	0.0	0.0	4.3	4.3	4.3
157.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
160°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
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° | 17.0 17.0 6.4 6.4 4.3 4.3 6.4 6.4 8.5 14.9 *17.0*

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110°	17.0	17.0	8.5	8.5	6.4	6.4	6.4	4.3	4.3	10.6	10.6
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