

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: P560194

Luminaire Tested: **SDL-PA1-30-730-U-T4W-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560194  
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-PA1-30-730-U-T4W-A  
Description: Springdale  
(1) 70 CRI, 3000K, 375mA 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: 3194.1 lumens  
Efficiency: N/A  
Efficacy: 106.1 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

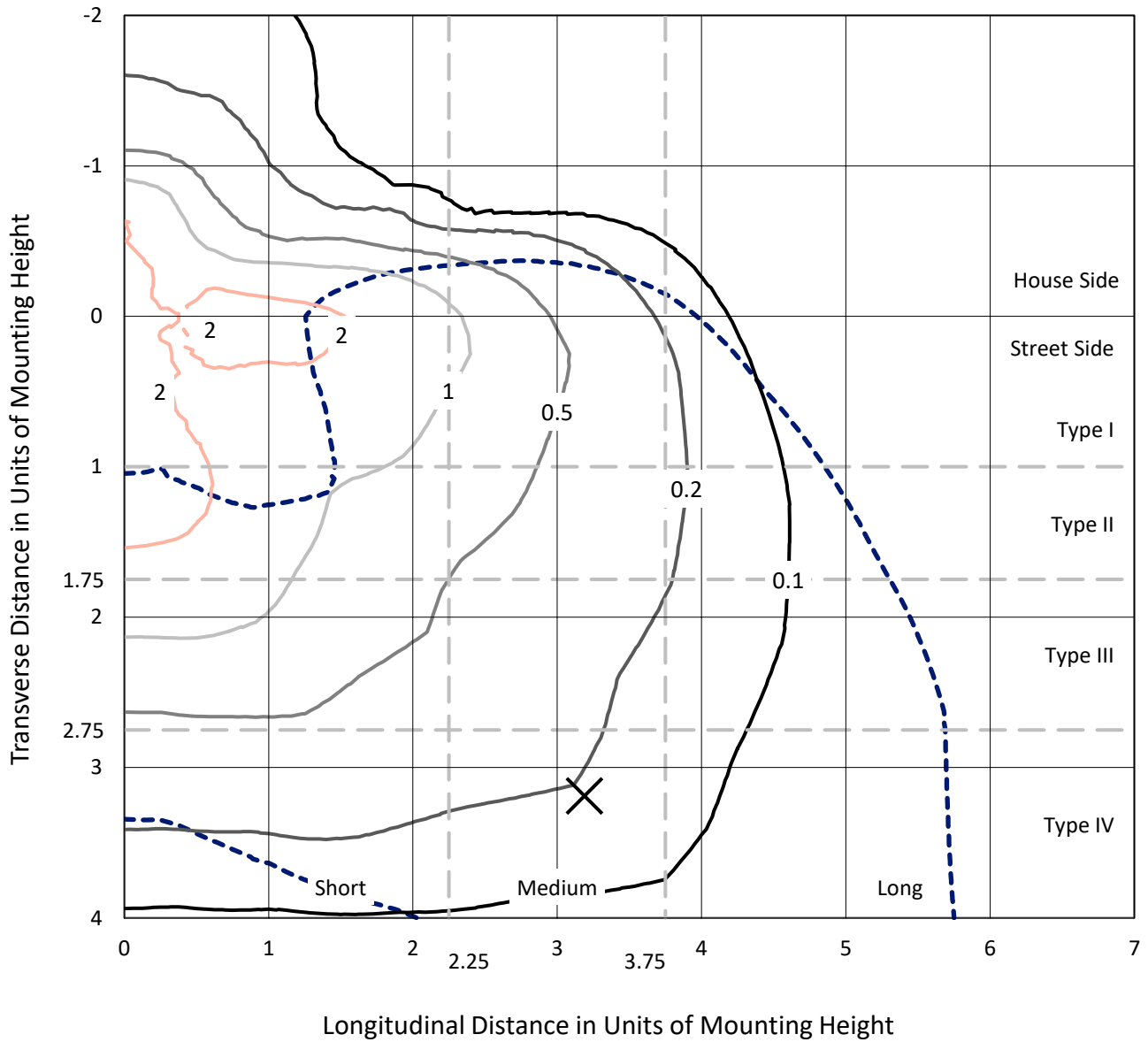
Input Watts (W): 30.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

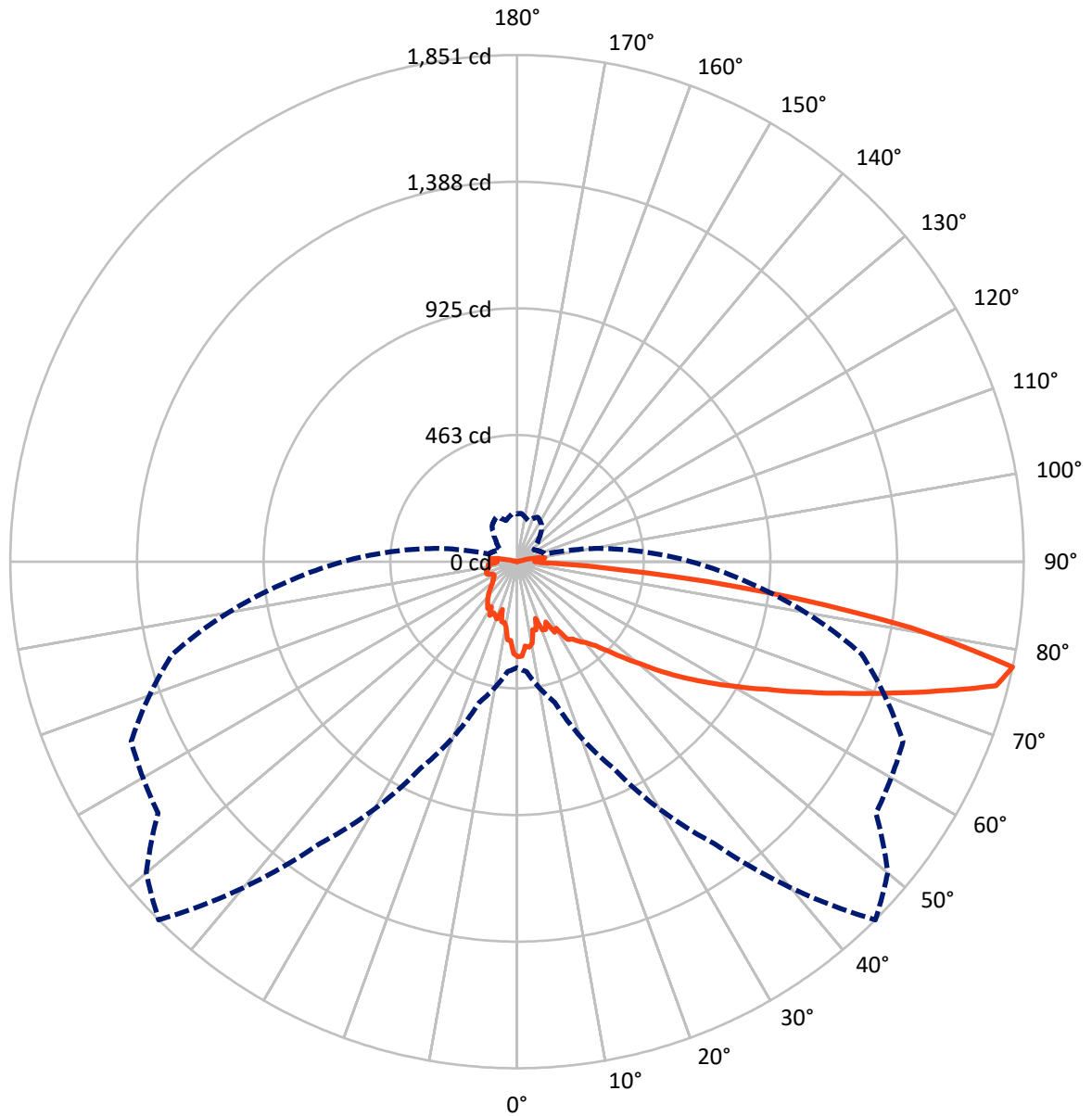
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 77.5-Deg Vertical



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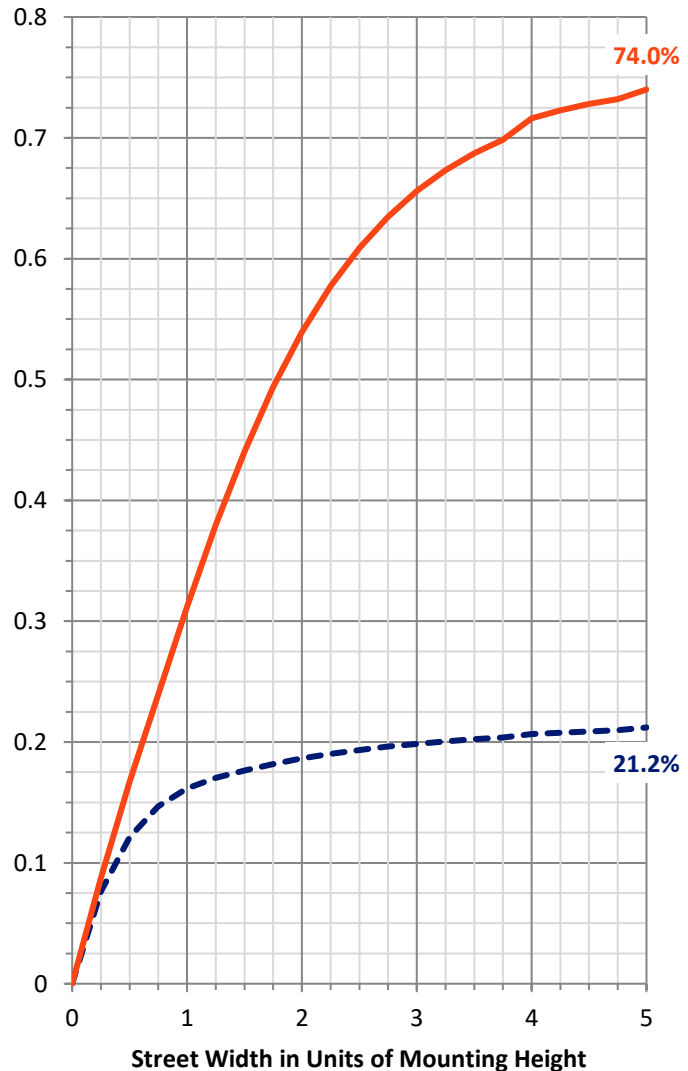
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	714.9	53.4	768.3
	% Fixture	22.4	1.7	24.1
<b>Street Side</b>	Lumens	2382.7	43.2	2425.9
	% Fixture	74.6	1.4	75.9
<b>Total</b>	Lumens	3097.6	96.5	3194.1
	% Fixture	97.0	3.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.8	0.9
10°-20°	71.4	2.2
20°-30°	123.5	3.9
30°-40°	218.9	6.9
40°-50°	339.3	10.6
50°-60°	546.2	17.1
60°-70°	803.3	25.1
70°-80°	773.4	24.2
80°-90°	192.9	6.0
90°-100°	71.9	2.3
100°-110°	15.9	0.5
110°-120°	3.4	0.1
120°-130°	2.9	0.1
130°-140°	1.3	0.0
140°-150°	0.5	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3097.6	97.0
0°-180°	3194.1	100.0

**Coefficient of Utilization**



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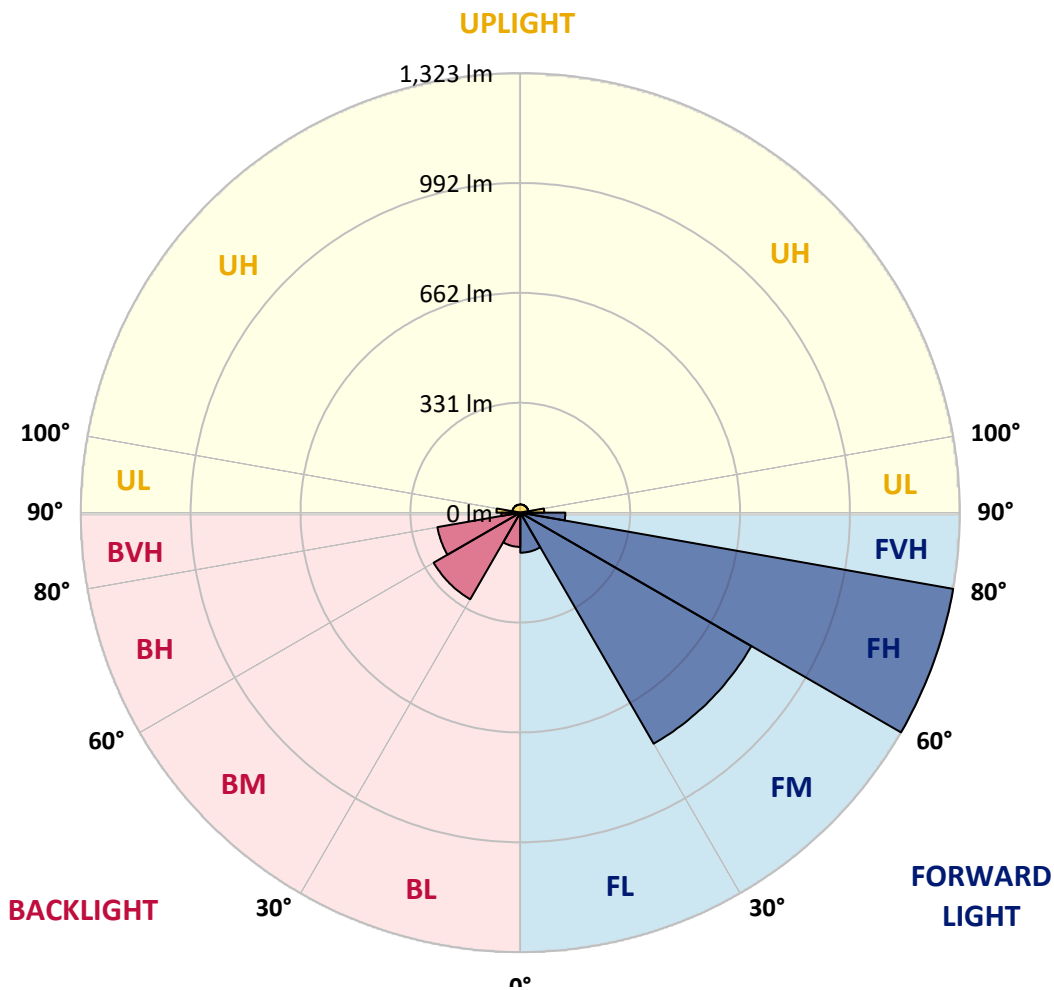
CATALOG NUMBER: SDL-PA1-30-730-U-T4W-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.6	3.8			
FM (30°-60°)	803.3	25.2			
FH (60°-80°)	1323.3	41.4			G1/1800
FVH (80°-90°)	135.5	4.2			G2/225
BL (0°-30°)	103.2	3.2	B0/110		
BM (30°-60°)	301.0	9.4	B1/1000		
BH (60°-80°)	253.3	7.9	B1/500		G1/500
BVH (80°-90°)	57.4	1.8			G1/100
UL (90°-100°)	71.9	2.3		U3/500	
UH (100°-180°)	24.6	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°	50°	55°	65°	75°	85°
0°	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7
2.5°	315.3	345.5	340.5	344.2	344.2	345.5	346.7	346.7	348.0	346.7	346.7
5°	321.6	320.4	317.9	315.3	312.8	309.1	309.1	309.1	339.2	341.7	339.2
7.5°	300.3	326.6	324.1	319.1	319.1	315.3	310.3	305.3	296.5	294.0	297.8
10°	339.2	338.0	334.2	326.6	299.0	304.0	272.6	246.2	236.2	242.5	258.8
12.5°	301.5	322.9	331.7	331.7	296.5	255.0	227.4	242.5	233.7	208.6	227.4
15°	355.5	353.0	343.0	326.6	260.1	258.8	243.7	213.6	217.3	236.2	253.8
17.5°	304.0	304.0	340.5	311.6	267.6	217.3	216.1	240.0	219.9	209.8	219.9
20°	366.9	365.6	354.3	258.8	270.1	266.3	219.9	245.0	209.8	241.2	263.8
22.5°	311.6	309.1	326.6	310.3	257.5	268.9	206.0	232.4	250.0	221.1	204.8
25°	366.9	369.4	364.3	276.4	292.7	243.7	248.8	265.1	229.9	280.2	291.5
27.5°	322.9	322.9	309.1	309.1	271.4	292.7	233.7	248.8	273.9	302.8	355.5
30°	395.7	397.0	388.2	297.8	300.3	281.4	271.4	289.0	329.2	393.2	417.1
32.5°	483.7	483.7	415.8	355.5	301.5	339.2	286.4	315.3	373.1	405.8	437.2
35°	539.0	532.7	502.5	399.5	325.4	346.7	324.1	335.4	387.0	434.7	457.3
37.5°	618.1	615.6	585.5	438.5	349.3	369.4	336.7	349.3	412.1	456.1	482.4
40°	727.4	714.9	688.5	506.3	378.2	389.5	351.8	366.9	442.2	483.7	515.1
42.5°	814.1	816.6	797.8	586.7	425.9	418.4	378.2	389.5	474.9	526.4	561.6
45°	894.5	892.0	895.8	683.4	484.9	464.8	424.6	425.9	516.4	579.2	626.9
47.5°	949.8	948.5	957.3	773.9	560.3	523.9	476.2	471.1	564.1	669.6	716.1
50°	1016.4	1012.6	1007.6	870.6	645.8	588.0	544.0	526.4	625.7	771.4	829.2
52.5°	1098.0	1089.2	1072.9	946.0	740.0	669.6	620.6	596.8	708.6	885.7	959.8
55°	1175.9	1163.4	1149.5	1030.2	826.7	751.3	698.5	684.7	816.6	1003.8	1099.3
57.5°	1252.6	1246.3	1235.0	1142.0	937.2	836.7	777.7	775.2	942.3	1118.1	1248.8
60°	1324.2	1314.1	1329.2	1262.6	1040.2	927.2	864.4	883.2	1080.5	1232.5	1414.6
62.5°	1368.2	1364.4	1397.0	1373.2	1135.7	1027.7	963.6	996.3	1213.6	1344.3	1561.6
65°	1302.8	1312.9	1442.3	1442.3	1246.3	1147.0	1084.2	1104.3	1339.3	1457.4	1696.1
67.5°	1183.5	1197.3	1373.2	1481.2	1345.5	1281.5	1216.1	1227.4	1451.1	1549.1	1805.4
70°	1081.7	1091.8	1255.1	1483.7	1408.4	1437.3	1343.0	1333.0	1537.8	1625.7	1845.6
72.5°	992.5	1006.3	1140.8	1468.7	1469.9	1614.4	1493.8	1433.5	1616.9	1654.6	1717.4
75°	786.5	780.2	932.2	1291.5	1490.0	1807.9	1670.9	1545.3	1655.9	1555.3	1346.8
77.5°	387.0	403.3	531.4	831.7	1257.6	1850.6	1767.7	1600.6	1555.3	1302.8	840.5
80°	114.3	118.1	148.2	297.8	722.4	1457.4	1459.9	1324.2	1169.7	761.3	379.4
82.5°	64.1	65.3	85.4	129.4	296.5	923.4	961.1	795.3	517.6	281.4	189.7
85°	33.9	35.2	44.0	67.8	150.8	368.1	390.7	304.0	250.0	183.4	139.5
87.5°	16.3	16.3	15.1	22.6	55.3	89.2	99.3	113.1	100.5	94.2	115.6
90°	13.8	13.8	11.3	12.6	30.2	64.1	77.9	86.7	79.1	86.7	126.9
92.5°	15.1	15.1	11.3	12.6	32.7	71.6	85.4	96.7	84.2	93.0	140.7
95°	13.8	15.1	10.1	11.3	32.7	87.9	103.0	105.5	86.7	101.8	150.8
97.5°	11.3	11.3	7.5	8.8	28.9	103.0	113.1	109.3	76.6	77.9	120.6
100°	8.8	8.8	5.0	7.5	20.1	82.9	96.7	91.7	50.3	12.6	30.2
102.5°	7.5	7.5	3.8	6.3	8.8	40.2	51.5	50.3	30.2	7.5	6.3
105°	7.5	7.5	3.8	5.0	5.0	11.3	17.6	22.6	12.6	3.8	6.3
107.5°	7.5	7.5	3.8	2.5	2.5	5.0	6.3	6.3	6.3	3.8	7.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	7.5	7.5	2.5	2.5	1.3	2.5	2.5	2.5	2.5	3.8	7.5
115°	6.3	6.3	1.3	2.5	1.3	1.3	2.5	1.3	2.5	2.5	6.3
117.5°	6.3	5.0	1.3	1.3	1.3	1.3	1.3	1.3	2.5	3.8	7.5
120°	6.3	6.3	2.5	1.3	1.3	1.3	1.3	1.3	2.5	5.0	8.8
122.5°	6.3	6.3	2.5	1.3	0.0	1.3	1.3	1.3	2.5	5.0	10.1
125°	7.5	6.3	2.5	1.3	0.0	0.0	1.3	1.3	1.3	5.0	8.8
127.5°	6.3	5.0	2.5	1.3	0.0	0.0	1.3	1.3	1.3	3.8	7.5
130°	6.3	5.0	2.5	0.0	0.0	0.0	1.3	1.3	1.3	3.8	6.3
132.5°	5.0	3.8	2.5	0.0	0.0	0.0	1.3	1.3	1.3	2.5	5.0
135°	3.8	3.8	1.3	0.0	1.3	0.0	1.3	1.3	1.3	1.3	3.8
137.5°	2.5	2.5	1.3	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
140°	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
142.5°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3
145°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	3.8	3.8	3.8	2.5	1.3	1.3	1.3	2.5	1.3	1.3	1.3
152.5°	3.8	3.8	3.8	2.5	0.0	0.0	1.3	1.3	2.5	1.3	1.3
155°	2.5	2.5	2.5	0.0	0.0	0.0	1.3	1.3	1.3	2.5	2.5
157.5°	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
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°	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7
2.5°	345.5	344.2	343.0	341.7	339.2	336.7	330.4	304.0	304.0	305.3	305.3
5°	339.2	338.0	334.2	310.3	296.5	289.0	291.5	291.5	291.5	292.7	295.2
7.5°	296.5	295.2	277.7	276.4	281.4	287.7	291.5	285.2	272.6	272.6	272.6
10°	258.8	257.5	226.1	219.9	226.1	241.2	280.2	287.7	292.7	294.0	296.5
12.5°	226.1	222.4	194.7	214.8	201.0	226.1	261.3	290.2	263.8	258.8	258.8
15°	251.3	250.0	217.3	188.5	189.7	226.1	207.3	272.6	287.7	290.2	291.5
17.5°	219.9	217.3	199.8	198.5	209.8	182.2	229.9	260.1	247.5	251.3	251.3
20°	262.6	261.3	228.7	189.7	187.2	222.4	203.5	236.2	281.4	290.2	291.5
22.5°	203.5	203.5	209.8	222.4	202.3	212.3	217.3	250.0	241.2	246.2	261.3
25°	289.0	286.4	253.8	199.8	217.3	204.8	227.4	237.4	278.9	289.0	291.5
27.5°	350.5	344.2	272.6	224.9	196.0	219.9	218.6	229.9	236.2	275.1	280.2
30°	413.3	407.1	350.5	252.5	203.5	189.7	208.6	246.2	283.9	290.2	295.2
32.5°	435.9	430.9	358.1	267.6	204.8	202.3	207.3	246.2	311.6	336.7	341.7
35°	459.8	453.5	365.6	261.3	199.8	188.5	196.0	253.8	310.3	326.6	330.4
37.5°	488.7	477.4	374.4	248.8	185.9	178.4	187.2	231.2	295.2	311.6	314.1
40°	525.1	513.8	385.7	234.9	172.1	165.8	170.9	214.8	258.8	272.6	278.9
42.5°	580.4	559.1	390.7	223.6	159.6	153.3	158.3	193.5	227.4	236.2	240.0
45°	652.0	614.3	398.3	208.6	148.2	139.5	147.0	177.1	193.5	193.5	193.5
47.5°	740.0	679.7	402.0	196.0	134.4	126.9	134.4	160.8	169.6	164.6	163.3
50°	848.0	762.6	420.9	180.9	123.1	116.8	129.4	142.0	145.7	148.2	148.2
52.5°	974.9	858.1	432.2	165.8	115.6	111.8	124.4	133.2	134.4	136.9	136.9
55°	1113.1	962.4	438.5	152.0	110.6	105.5	119.4	128.1	128.1	130.7	130.7
57.5°	1256.3	1083.0	454.8	142.0	105.5	100.5	114.3	129.4	124.4	129.4	130.7
60°	1407.1	1194.8	441.0	131.9	98.0	96.7	115.6	138.2	136.9	143.2	144.5
62.5°	1549.1	1284.0	379.4	123.1	93.0	98.0	129.4	155.8	152.0	162.1	162.1
65°	1629.5	1314.1	278.9	118.1	89.2	105.5	143.2	173.4	160.8	165.8	163.3
67.5°	1647.1	1284.0	201.0	111.8	87.9	118.1	153.3	177.1	159.6	164.6	164.6
70°	1605.6	1213.6	162.1	106.8	86.7	119.4	155.8	177.1	160.8	172.1	169.6
72.5°	1418.4	1032.7	138.2	101.8	86.7	116.8	159.6	178.4	164.6	183.4	179.7
75°	1069.1	772.6	121.9	96.7	81.7	113.1	162.1	179.7	159.6	179.7	177.1
77.5°	635.7	441.0	108.0	90.5	75.4	109.3	159.6	179.7	155.8	177.1	174.6
80°	268.9	207.3	91.7	79.1	69.1	104.3	157.0	178.4	149.5	172.1	168.3
82.5°	169.6	140.7	77.9	65.3	67.8	103.0	158.3	175.9	147.0	173.4	160.8
85°	136.9	115.6	66.6	55.3	62.8	105.5	152.0	159.6	126.9	149.5	145.7
87.5°	115.6	96.7	30.2	23.9	46.5	81.7	115.6	119.4	91.7	116.8	111.8
90°	126.9	105.5	28.9	20.1	41.5	71.6	106.8	104.3	87.9	111.8	110.6
92.5°	138.2	111.8	27.6	21.4	46.5	77.9	116.8	105.5	93.0	113.1	111.8
95°	143.2	114.3	26.4	22.6	55.3	85.4	124.4	103.0	98.0	104.3	103.0
97.5°	108.0	82.9	25.1	23.9	57.8	96.7	116.8	86.7	64.1	64.1	62.8
100°	27.6	27.6	22.6	22.6	38.9	70.4	89.2	64.1	36.4	27.6	28.9
102.5°	7.5	8.8	20.1	21.4	21.4	31.4	50.3	41.5	23.9	3.8	3.8
105°	7.5	7.5	13.8	16.3	11.3	10.1	20.1	22.6	17.6	2.5	3.8
107.5°	7.5	7.5	6.3	8.8	3.8	5.0	5.0	6.3	6.3	2.5	2.5



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CATALOG NUMBER: SDL-PA1-30-730-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.8	7.5	3.8	2.5	2.5	2.5	2.5	2.5	2.5	6.3	6.3
115°	7.5	6.3	3.8	2.5	2.5	2.5	2.5	1.3	2.5	7.5	7.5
117.5°	8.8	7.5	3.8	2.5	1.3	2.5	2.5	1.3	2.5	8.8	8.8
120°	10.1	8.8	3.8	2.5	1.3	1.3	1.3	1.3	3.8	8.8	8.8
122.5°	10.1	10.1	5.0	1.3	1.3	1.3	1.3	1.3	3.8	8.8	8.8
125°	10.1	8.8	3.8	1.3	1.3	1.3	0.0	1.3	3.8	8.8	10.1
127.5°	7.5	7.5	3.8	1.3	1.3	1.3	0.0	1.3	3.8	7.5	8.8
130°	6.3	6.3	2.5	1.3	1.3	1.3	0.0	1.3	3.8	7.5	7.5
132.5°	5.0	5.0	2.5	1.3	1.3	0.0	0.0	0.0	3.8	6.3	6.3
135°	3.8	3.8	1.3	1.3	1.3	0.0	0.0	0.0	2.5	5.0	5.0
137.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	2.5	2.5
140°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	1.3	2.5	1.3	2.5
152.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	1.3	2.5	2.5	2.5
155°	2.5	2.5	2.5	1.3	1.3	0.0	0.0	0.0	1.3	2.5	2.5
157.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	1.3	1.3	1.3	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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110° | 8.8 8.8 2.5 2.5 2.5 2.5 2.5 2.5 2.5 3.8 7.5

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110°	8.8	7.5	3.8	3.8	2.5	2.5	2.5	2.5	2.5	5.0	5.0
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(END OF REPORT)