

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: P560178

Luminaire Tested: **SDL-PA1-30-730-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
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-SL3-A
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3221.8 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - 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

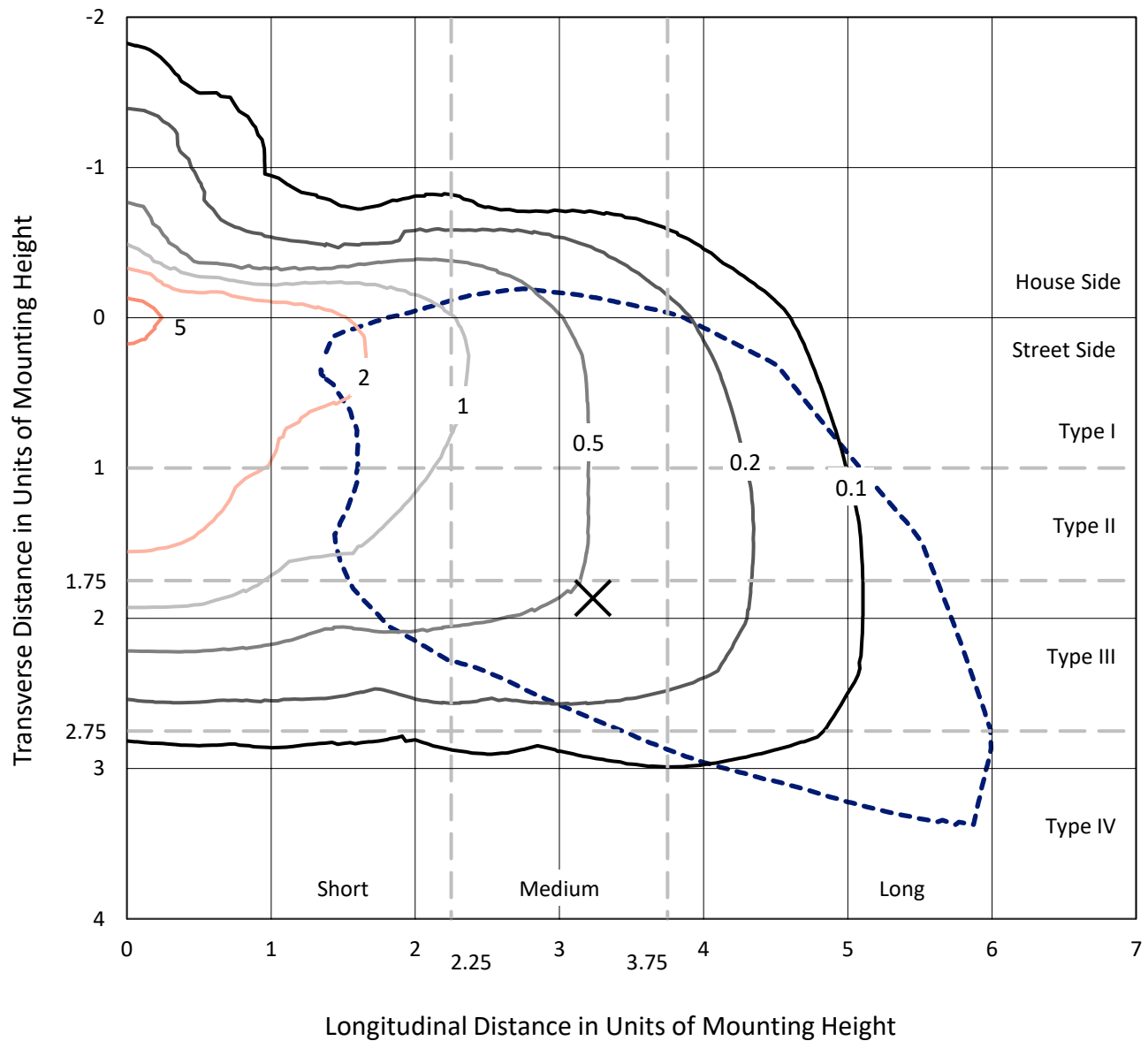


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

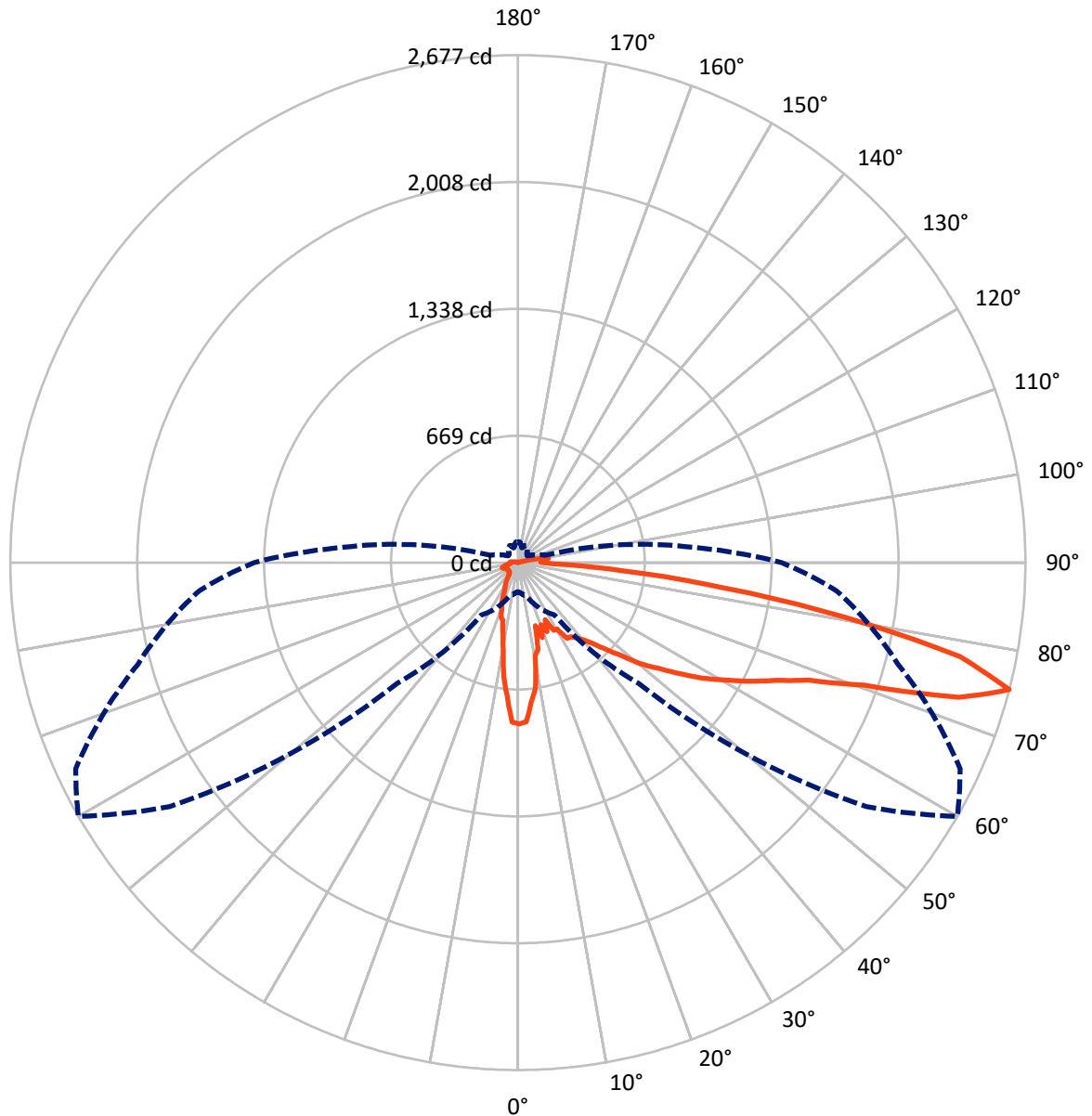


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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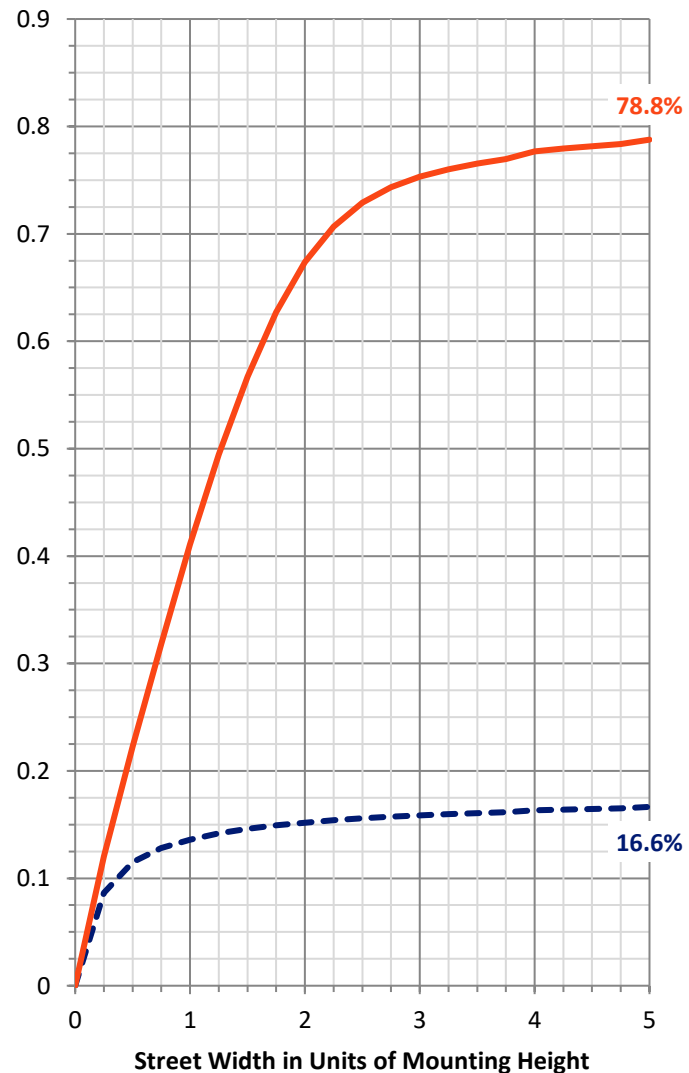
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	565.6	42.9	608.5
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	2567.9	45.4	2613.3
	% Fixture	79.7	1.4	81.1
Total	Lumens	3133.5	88.3	3221.8
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	1.9
10°-20°	111.4	3.5
20°-30°	144.4	4.5
30°-40°	240.6	7.5
40°-50°	385.3	12.0
50°-60°	591.5	18.4
60°-70°	739.1	22.9
70°-80°	674.1	20.9
80°-90°	184.5	5.7
90°-100°	61.9	1.9
100°-110°	14.1	0.4
110°-120°	4.5	0.1
120°-130°	4.2	0.1
130°-140°	2.0	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3133.5	97.3
0°-180°	3221.8	100.0



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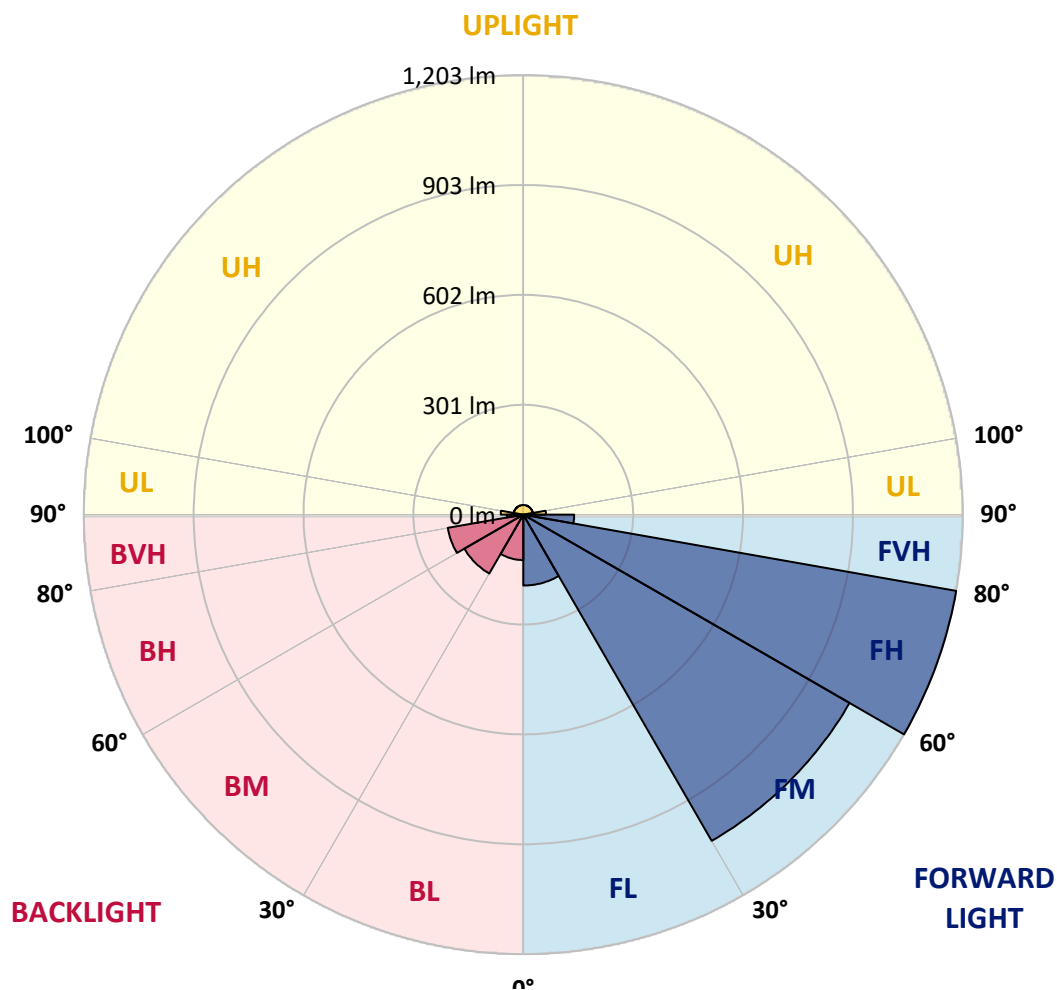
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.1	6.0			
FM	(30°-60°)	1031.3	32.0			
FH	(60°-80°)	1203.3	37.4			G1/1800
FVH	(80°-90°)	139.2	4.3			G2/225
BL	(0°-30°)	124.3	3.9	B1/500		
BM	(30°-60°)	186.1	5.8	B0/220		
BH	(60°-80°)	209.8	6.5	B1/500		G1/500
BVH	(80°-90°)	45.3	1.4			G1/100
UL	(90°-100°)	61.9	1.9		U3/500	
UH	(100°-180°)	26.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8
2.5°	713.8	780.4	774.1	825.7	825.7	837.0	842.0	840.7	845.8	850.8	849.5
5°	657.3	658.5	663.6	674.9	678.6	682.4	695.0	739.0	813.1	830.7	830.7
7.5°	542.9	573.1	610.8	617.1	639.7	651.0	664.8	667.3	617.1	707.5	716.3
10°	550.4	551.7	549.2	563.0	546.7	540.4	496.4	498.9	503.9	537.9	605.7
12.5°	431.1	456.2	510.2	535.4	495.1	451.2	448.7	470.0	478.8	428.5	534.1
15°	492.6	495.1	496.4	497.7	369.5	428.5	374.5	344.3	385.8	486.4	553.0
17.5°	385.8	388.3	447.4	446.1	407.2	329.3	407.2	416.0	399.6	413.5	462.5
20°	452.4	453.7	449.9	349.4	356.9	403.4	350.6	349.4	369.5	476.3	537.9
22.5°	372.0	367.0	365.7	399.6	363.2	388.3	340.6	394.6	428.5	424.8	405.9
25°	466.2	465.0	446.1	348.1	372.0	329.3	398.4	334.3	370.7	514.0	537.9
27.5°	436.1	418.5	387.1	402.2	346.9	385.8	354.4	404.7	427.3	527.8	623.3
30°	564.3	551.7	515.3	405.9	383.3	355.7	379.5	405.9	486.4	679.9	712.6
32.5°	745.2	731.4	600.7	497.7	402.2	421.0	399.6	476.3	536.6	693.7	718.8
35°	800.5	781.7	717.6	603.2	461.2	447.4	426.0	480.1	544.2	730.2	730.2
37.5°	832.0	830.7	800.5	666.1	520.3	512.7	458.7	503.9	574.3	765.3	757.8
40°	837.0	843.3	857.1	721.4	590.7	574.3	501.4	536.6	617.1	808.1	793.0
42.5°	878.5	889.8	921.2	794.2	661.0	646.0	551.7	584.4	663.6	870.9	867.1
45°	945.1	956.4	984.0	874.7	722.6	712.6	633.4	653.5	739.0	981.5	946.3
47.5°	1083.3	1085.8	1074.5	941.3	789.2	789.2	712.6	731.4	806.8	1083.3	1049.4
50°	1221.5	1206.5	1156.2	1020.5	855.8	874.7	794.2	838.2	883.5	1186.3	1139.8
52.5°	1298.2	1295.7	1227.8	1080.8	913.6	950.1	888.5	926.2	953.9	1290.7	1225.3
55°	1300.7	1296.9	1250.4	1109.7	967.7	1028.0	982.8	1031.8	1051.9	1372.3	1342.2
57.5°	1259.2	1269.3	1245.4	1126.0	994.1	1103.4	1097.1	1149.9	1160.0	1469.1	1422.6
60°	1193.9	1192.6	1221.5	1141.1	1034.3	1175.0	1202.7	1256.7	1310.8	1543.3	1494.2
62.5°	1030.5	1041.8	1123.5	1141.1	1078.3	1268.0	1320.8	1377.4	1444.0	1611.1	1558.3
65°	806.8	813.1	941.3	1058.2	1090.8	1392.5	1440.2	1496.8	1567.1	1680.2	1630.0
67.5°	487.6	529.1	639.7	870.9	1026.7	1542.0	1630.0	1653.8	1694.1	1758.2	1735.5
70°	277.7	290.3	343.1	547.9	857.1	1589.8	1979.3	1936.6	1895.1	1910.2	1867.5
72.5°	211.1	218.7	242.5	324.2	512.7	1403.8	2273.4	2431.8	2253.3	2068.6	1863.7
75°	153.3	160.9	184.7	261.4	336.8	899.8	2243.3	2676.8	2573.8	2076.1	1685.3
77.5°	95.5	96.8	110.6	222.4	302.9	451.2	1755.6	2384.0	2429.2	1939.1	1397.5
80°	66.6	67.9	70.4	119.4	279.0	361.9	1178.8	1750.6	1814.7	1349.7	712.6
82.5°	47.8	50.3	52.8	70.4	181.0	345.6	733.9	1102.1	971.4	488.9	289.0
85°	25.1	27.6	33.9	42.7	72.9	375.8	439.9	560.5	443.6	198.6	172.2
87.5°	10.1	8.8	7.5	11.3	20.1	144.5	170.9	188.5	145.8	111.8	137.0
90°	8.8	7.5	5.0	6.3	8.8	51.5	108.1	120.6	100.5	109.3	138.2
92.5°	8.8	7.5	5.0	5.0	8.8	51.5	129.4	132.0	104.3	111.8	144.5
95°	8.8	8.8	5.0	5.0	8.8	46.5	153.3	150.8	108.1	118.1	153.3
97.5°	8.8	8.8	3.8	5.0	8.8	31.4	158.3	163.4	105.6	84.2	126.9
100°	8.8	8.8	3.8	3.8	7.5	20.1	110.6	119.4	77.9	27.6	31.4
102.5°	8.8	8.8	3.8	3.8	5.0	13.8	49.0	59.1	46.5	8.8	10.1
105°	8.8	10.1	2.5	2.5	3.8	7.5	21.4	23.9	18.9	6.3	11.3
107.5°	10.1	11.3	2.5	2.5	2.5	3.8	7.5	8.8	5.0	5.0	11.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	8.8	7.5	1.3	2.5	2.5	2.5	2.5	2.5	2.5	5.0	12.6
115°	5.0	3.8	1.3	2.5	2.5	2.5	1.3	2.5	3.8	5.0	11.3
117.5°	5.0	3.8	1.3	1.3	1.3	2.5	1.3	1.3	3.8	6.3	13.8
120°	3.8	3.8	1.3	1.3	1.3	1.3	1.3	2.5	2.5	8.8	18.9
122.5°	3.8	3.8	1.3	1.3	1.3	1.3	1.3	2.5	2.5	8.8	18.9
125°	5.0	5.0	2.5	1.3	1.3	1.3	1.3	2.5	2.5	7.5	17.6
127.5°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	2.5	2.5	6.3	13.8
130°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	2.5	1.3	6.3	11.3
132.5°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	1.3	1.3	3.8	8.8
135°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	6.3
137.5°	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5
140°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3
150°	2.5	2.5	5.0	3.8	2.5	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	5.0	5.0	5.0	3.8	1.3	1.3	2.5	3.8	1.3	1.3	1.3
155°	3.8	3.8	3.8	1.3	1.3	1.3	1.3	1.3	2.5	3.8	3.8
157.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	1.3	1.3	1.3	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°	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8
2.5°	845.8	848.3	845.8	843.3	840.7	833.2	781.7	718.8	713.8	718.8	716.3
5°	824.4	824.4	823.2	736.4	684.9	669.8	666.1	662.3	654.8	651.0	653.5
7.5°	711.3	707.5	663.6	585.6	634.6	617.1	607.0	602.0	526.6	498.9	501.4
10°	594.4	594.4	493.9	466.2	463.7	471.3	522.8	519.0	509.0	502.7	509.0
12.5°	512.7	534.1	392.1	419.7	340.6	377.0	412.2	437.3	360.7	339.3	343.1
15°	544.2	536.6	431.1	329.3	300.4	316.7	253.9	318.0	312.9	302.9	301.6
17.5°	475.0	436.1	359.4	309.2	296.6	223.7	217.4	225.0	206.1	188.5	197.3
20°	516.5	495.1	380.8	275.2	228.7	203.6	153.3	143.3	182.2	191.0	189.8
22.5°	431.1	359.4	311.7	274.0	184.7	145.8	115.6	126.9	135.7	144.5	148.3
25°	506.5	467.5	340.6	204.8	149.6	106.8	104.3	94.3	142.0	162.1	160.9
27.5°	584.4	529.1	328.0	192.3	108.1	91.7	84.2	95.5	99.3	111.8	119.4
30°	653.5	586.9	379.5	178.5	90.5	69.1	75.4	77.9	96.8	104.3	104.3
32.5°	651.0	570.6	339.3	152.1	74.1	62.8	62.8	74.1	85.5	103.1	104.3
35°	649.7	558.0	302.9	118.1	65.3	55.3	57.8	70.4	85.5	95.5	96.8
37.5°	664.8	554.2	266.4	95.5	59.1	52.8	55.3	66.6	91.7	101.8	101.8
40°	687.4	556.7	230.0	81.7	56.6	51.5	52.8	70.4	82.9	91.7	91.7
42.5°	756.5	593.2	198.6	75.4	56.6	50.3	50.3	65.3	84.2	99.3	100.5
45°	808.1	622.1	174.7	75.4	55.3	47.8	52.8	65.3	74.1	109.3	116.9
47.5°	891.0	674.9	152.1	75.4	55.3	46.5	49.0	64.1	77.9	125.7	130.7
50°	974.0	727.6	142.0	75.4	55.3	45.2	55.3	61.6	77.9	130.7	134.5
52.5°	1061.9	793.0	135.7	75.4	55.3	47.8	60.3	74.1	84.2	116.9	115.6
55°	1152.4	850.8	132.0	77.9	55.3	47.8	65.3	69.1	71.6	90.5	93.0
57.5°	1236.6	921.2	139.5	77.9	54.0	50.3	61.6	67.9	62.8	79.2	80.4
60°	1303.2	985.3	158.3	75.4	52.8	50.3	62.8	74.1	70.4	86.7	89.2
62.5°	1379.9	1053.1	202.3	76.7	52.8	51.5	70.4	80.4	71.6	85.5	90.5
65°	1480.4	1156.2	251.3	84.2	54.0	54.0	71.6	86.7	71.6	84.2	84.2
67.5°	1593.5	1251.7	251.3	98.0	57.8	57.8	71.6	91.7	76.7	84.2	84.2
70°	1676.5	1256.7	207.4	108.1	62.8	61.6	74.1	95.5	77.9	93.0	91.7
72.5°	1584.7	1119.7	172.2	106.8	67.9	64.1	84.2	98.0	79.2	105.6	104.3
75°	1391.2	923.7	149.6	95.5	61.6	65.3	88.0	100.5	80.4	110.6	108.1
77.5°	1097.1	673.6	126.9	80.4	54.0	62.8	90.5	103.1	82.9	116.9	115.6
80°	531.6	338.1	103.1	67.9	49.0	60.3	90.5	101.8	81.7	120.6	120.6
82.5°	240.0	168.4	70.4	46.5	49.0	61.6	93.0	103.1	81.7	118.1	116.9
85°	155.8	115.6	45.2	36.4	49.0	70.4	94.3	98.0	77.9	109.3	109.3
87.5°	116.9	80.4	23.9	22.6	54.0	76.7	94.3	90.5	75.4	103.1	100.5
90°	119.4	85.5	25.1	22.6	57.8	77.9	94.3	89.2	72.9	93.0	93.0
92.5°	129.4	94.3	28.9	25.1	59.1	70.4	89.2	80.4	67.9	80.4	79.2
95°	140.8	105.6	33.9	28.9	51.5	51.5	70.4	65.3	57.8	61.6	61.6
97.5°	103.1	75.4	30.2	31.4	39.0	32.7	46.5	44.0	30.2	27.6	26.4
100°	30.2	25.1	27.6	30.2	27.6	23.9	35.2	33.9	20.1	10.1	10.1
102.5°	11.3	12.6	25.1	27.6	21.4	17.6	25.1	27.6	16.3	2.5	3.8
105°	10.1	8.8	17.6	21.4	12.6	10.1	12.6	17.6	10.1	2.5	2.5
107.5°	11.3	8.8	8.8	11.3	5.0	5.0	5.0	6.3	3.8	2.5	2.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.3	8.8	5.0	5.0	3.8	3.8	2.5	2.5	3.8	6.3	6.3
115°	12.6	10.1	5.0	3.8	2.5	3.8	2.5	1.3	3.8	8.8	8.8
117.5°	15.1	11.3	3.8	3.8	2.5	2.5	2.5	1.3	3.8	11.3	12.6
120°	18.9	13.8	5.0	2.5	2.5	2.5	2.5	1.3	5.0	12.6	13.8
122.5°	18.9	15.1	5.0	2.5	2.5	1.3	1.3	2.5	5.0	12.6	13.8
125°	17.6	13.8	5.0	2.5	2.5	1.3	1.3	1.3	6.3	12.6	13.8
127.5°	13.8	12.6	5.0	2.5	1.3	1.3	1.3	2.5	5.0	11.3	11.3
130°	11.3	10.1	3.8	2.5	1.3	1.3	1.3	1.3	5.0	8.8	10.1
132.5°	8.8	7.5	3.8	2.5	1.3	1.3	1.3	1.3	5.0	8.8	8.8
135°	6.3	6.3	2.5	1.3	1.3	1.3	1.3	1.3	3.8	6.3	7.5
137.5°	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	3.8	3.8
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	2.5	2.5
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	2.5
145°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	2.5	2.5
155°	3.8	3.8	3.8	2.5	1.3	0.0	0.0	0.0	1.3	1.3	2.5
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	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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110°	11.3	11.3	2.5	2.5	2.5	3.8	2.5	2.5	3.8	5.0	12.6
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110°	11.3	8.8	5.0	5.0	3.8	3.8	3.8	2.5	2.5	2.5	2.5
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