

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: P528211

Luminaire Tested: **GLAN-SA3B-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-735-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8748 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

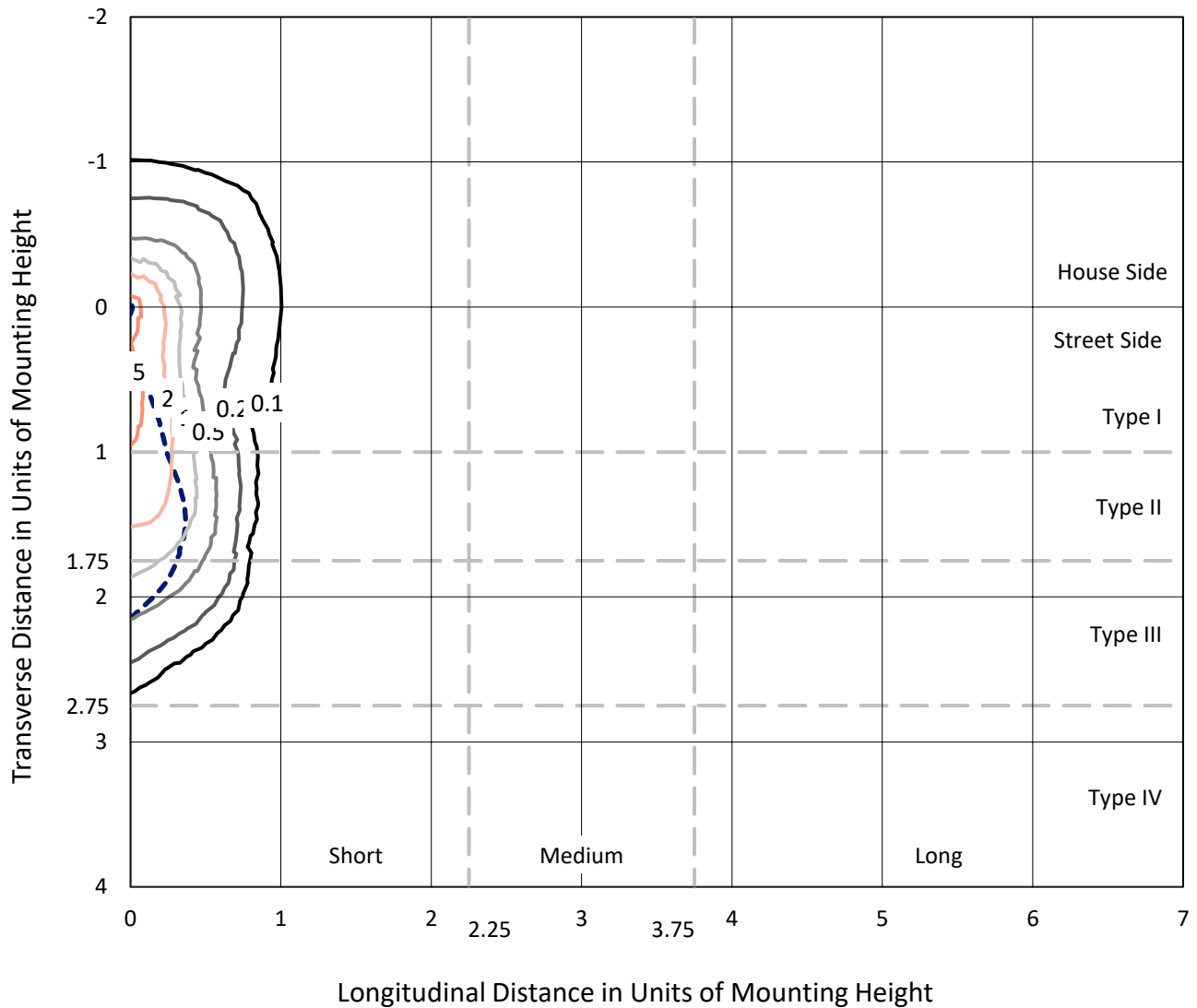
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

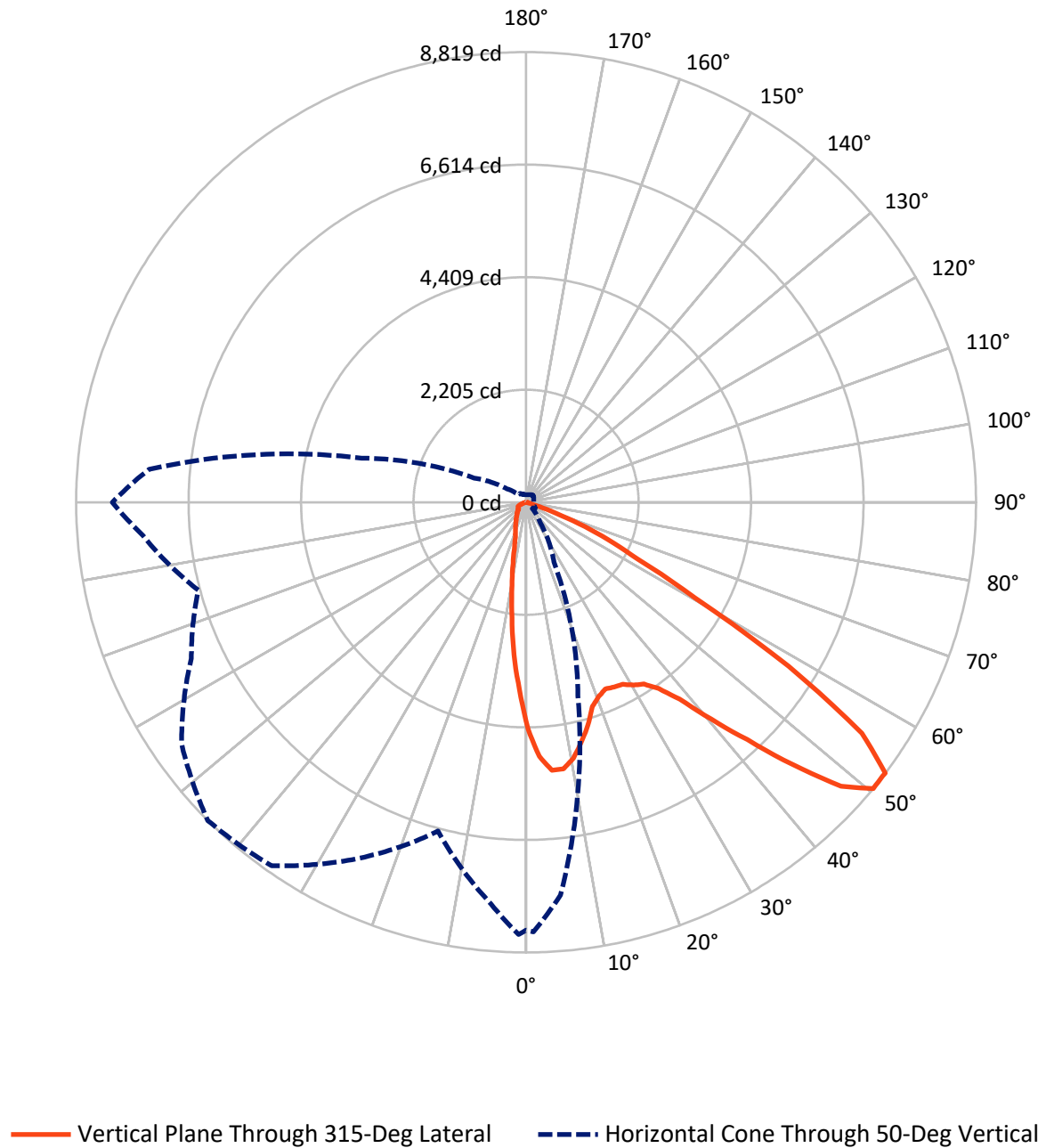
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1752.2	0.0	1752.2
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	6995.8	0.0	6995.8
	% Fixture	80.0	0.0	80.0
Total	Lumens	8748.0	0.0	8748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.4	3.7
10°-20°	642.7	7.3
20°-30°	965.5	11.0
30°-40°	1449.2	16.6
40°-50°	2036.7	23.3
50°-60°	2196.9	25.1
60°-70°	1020.0	11.7
70°-80°	96.0	1.1
80°-90°	17.7	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8748.0	100.0
0°-180°	8748.0	100.0

Coefficient of Utilization



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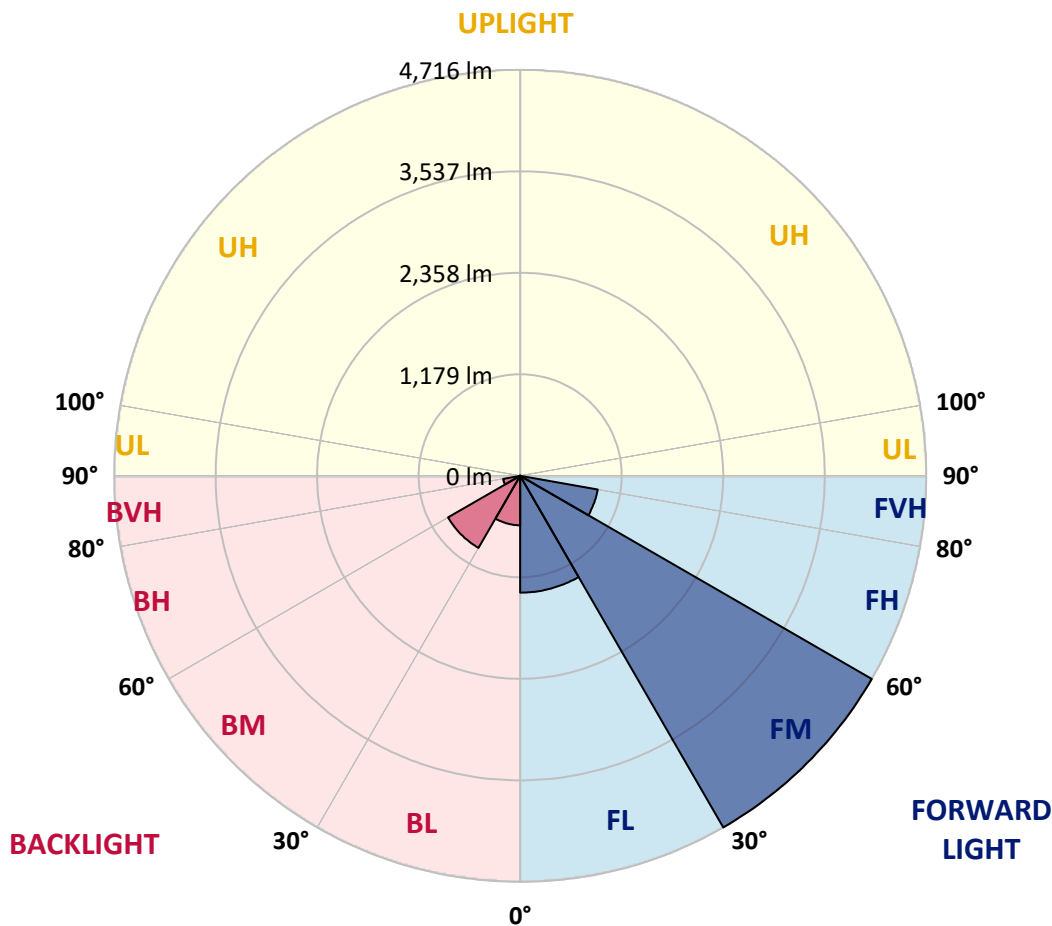
CATALOG NUMBER: GLAN-SA3B-735-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1357.2	15.5			
FM (30°-60°)	4715.8	53.9			
FH (60°-80°)	914.8	10.5			G1/1800
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	574.3	6.6	B2/1000		
BM (30°-60°)	967.0	11.1	B1/1000		
BH (60°-80°)	201.2	2.3	B1/500		G1/500
BVH (80°-90°)	9.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3
2.5°	4611.6	4540.5	4450.2	4375.6	4264.5	4040.6	3979.9	3907.0	3846.2	3764.6	3650.1
5°	4193.3	4170.8	4129.1	3848.0	3644.9	3374.1	3152.0	3058.2	2935.0	2834.3	2761.4
7.5°	3874.0	3783.7	3651.8	3368.9	3044.3	2754.5	2508.0	2364.0	2200.8	2145.3	2046.3
10°	3532.1	3552.9	3358.5	2961.0	2568.8	2334.5	2181.7	2042.9	1895.3	1798.1	1657.6
12.5°	3422.7	3355.0	3205.8	2714.6	2379.6	2160.9	1975.2	1803.3	1647.1	1490.9	1355.5
15°	3493.9	3389.7	3181.5	2662.5	2233.8	1961.3	1728.7	1496.1	1352.1	1152.5	1011.9
17.5°	3749.0	3665.7	3386.3	2718.0	2159.2	1770.4	1425.0	1185.5	965.0	784.5	713.4
20°	4174.3	4056.2	3705.6	2789.2	2048.1	1539.5	1155.9	860.9	652.6	576.2	536.3
22.5°	4590.8	4526.6	4084.0	2926.3	1949.1	1334.7	867.8	579.7	487.7	473.8	447.8
25°	5384.0	5191.3	4662.0	3174.5	1872.8	1142.1	654.3	466.9	413.1	402.7	406.1
27.5°	5856.1	5694.7	5196.6	3339.4	1787.7	994.5	553.7	428.7	392.3	369.7	361.0
30°	6309.1	6121.7	5462.1	3436.6	1605.5	838.3	491.2	411.4	402.7	369.7	359.3
32.5°	6658.0	6474.0	5845.7	3582.4	1530.8	737.7	404.4	321.1	298.5	295.1	326.3
35°	7192.6	6996.4	6173.7	3662.2	1473.6	685.6	350.6	286.4	260.3	249.9	251.7
37.5°	7690.7	7557.0	6477.5	3693.5	1412.8	670.0	314.2	256.9	234.3	227.4	225.6
40°	8107.3	7808.7	6765.6	3726.5	1386.8	640.5	291.6	234.3	218.7	208.3	208.3
42.5°	8298.2	7994.4	7088.4	3707.4	1379.8	593.6	291.6	215.2	203.1	192.7	190.9
45°	8256.5	8133.3	7232.5	3698.7	1379.8	546.7	265.6	210.0	192.7	178.8	175.3
47.5°	8364.1	8202.7	7413.0	3735.1	1352.1	513.8	223.9	220.4	182.2	164.9	161.4
50°	8383.2	8414.5	7727.1	3924.3	1291.3	472.1	175.3	217.0	175.3	149.3	145.8
52°	8508.2	8313.8	7822.6	4025.0	1227.1	440.9	147.5	185.7	168.4	138.9	135.4
52.5°	8336.4	8463.1	7845.2	4061.4	1234.1	420.0	142.3	182.2	164.9	138.9	130.2
55°	8143.7	8265.2	7753.2	4139.5	1131.6	329.8	111.1	131.9	149.3	121.5	116.3
57.5°	7078.0	7201.2	6737.8	3790.7	921.6	232.6	92.0	98.9	131.9	112.8	107.6
60°	6291.8	6203.2	5654.8	3162.4	654.3	130.2	72.9	76.4	144.1	104.1	102.4
62.5°	5750.2	5561.0	4726.2	2442.1	399.2	86.8	57.3	59.0	111.1	97.2	97.2
65°	4254.1	4042.3	3139.8	1477.0	196.1	60.7	43.4	46.9	69.4	83.3	83.3
67.5°	2428.2	2346.6	1517.0	666.5	81.6	38.2	33.0	36.4	53.8	67.7	64.2
70°	1116.0	1001.5	583.2	140.6	38.2	26.0	26.0	29.5	43.4	50.3	46.9
72.5°	326.3	308.9	142.3	22.6	15.6	15.6	17.4	22.6	33.0	38.2	34.7
75°	24.3	15.6	10.4	6.9	6.9	10.4	13.9	22.6	33.0	36.4	29.5
77.5°	1.7	3.5	1.7	1.7	5.2	10.4	15.6	27.8	43.4	45.1	33.0
80°	1.7	1.7	0.0	1.7	5.2	10.4	17.4	31.2	48.6	52.1	27.8
82.5°	0.0	0.0	0.0	1.7	6.9	13.9	20.8	33.0	45.1	55.5	29.5
85°	0.0	0.0	0.0	1.7	10.4	19.1	24.3	8.7	5.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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°	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3
2.5°	3731.7	3686.5	3669.2	3684.8	3679.6	3674.4	3769.8	3749.0	3745.5	3776.8	3769.8
5°	2801.4	2721.5	2940.2	2851.7	2943.7	2999.2	3009.6	3014.8	3079.1	3011.4	3099.9
7.5°	1996.0	2016.8	2015.1	2074.1	2180.0	2273.7	2329.3	2285.9	2282.4	2273.7	2235.5
10°	1595.1	1558.6	1551.7	1537.8	1570.8	1650.6	1718.3	1664.5	1626.3	1678.4	1662.8
12.5°	1303.5	1253.1	1225.4	1169.8	1171.6	1225.4	1225.4	1225.4	1263.6	1293.1	1315.6
15°	999.7	958.1	958.1	902.5	890.4	892.1	919.9	923.4	984.1	1001.5	1010.2
17.5°	699.5	676.9	702.9	725.5	711.6	715.1	725.5	729.0	737.7	730.7	748.1
20°	538.1	534.6	541.5	581.4	611.0	628.3	616.2	598.8	588.4	564.1	564.1
22.5°	456.5	463.4	475.6	508.5	546.7	557.1	543.3	503.3	472.1	468.6	470.4
25°	406.1	413.1	432.2	453.0	473.8	491.2	477.3	447.8	430.4	414.8	414.8
27.5°	374.9	378.4	388.8	404.4	421.8	435.6	430.4	414.8	395.7	388.8	373.2
30°	350.6	355.8	368.0	371.4	387.1	394.0	385.3	381.8	369.7	361.0	355.8
32.5°	338.5	336.7	345.4	348.9	350.6	355.8	345.4	350.6	348.9	335.0	329.8
35°	255.1	269.0	291.6	310.7	315.9	322.8	321.1	314.2	295.1	279.4	260.3
37.5°	229.1	237.8	249.9	265.6	286.4	295.1	291.6	274.2	251.7	241.3	237.8
40°	211.8	217.0	227.4	237.8	258.6	274.2	262.1	246.5	229.1	220.4	215.2
42.5°	196.1	197.9	203.1	213.5	229.1	253.4	232.6	211.8	204.8	199.6	196.1
45°	178.8	178.8	185.7	190.9	208.3	230.8	210.0	190.9	187.5	184.0	182.2
47.5°	164.9	166.6	170.1	177.0	190.9	206.5	192.7	177.0	168.4	166.6	163.2
50°	147.5	149.3	156.2	163.2	180.5	189.2	180.5	163.2	154.5	149.3	149.3
52°	133.6	138.9	145.8	159.7	171.8	185.7	175.3	156.2	145.8	140.6	137.1
52.5°	131.9	135.4	142.3	157.9	171.8	184.0	173.6	154.5	142.3	138.9	135.4
55°	118.0	123.2	135.4	154.5	170.1	184.0	170.1	152.7	135.4	126.7	123.2
57.5°	112.8	116.3	131.9	156.2	168.4	184.0	170.1	152.7	135.4	119.8	116.3
60°	107.6	114.6	131.9	151.0	166.6	185.7	171.8	151.0	131.9	112.8	112.8
62.5°	102.4	107.6	130.2	147.5	159.7	178.8	164.9	147.5	126.7	107.6	105.9
65°	88.5	97.2	114.6	123.2	137.1	154.5	140.6	128.4	111.1	95.5	93.7
67.5°	67.7	71.2	85.0	95.5	104.1	119.8	112.8	97.2	85.0	72.9	72.9
70°	46.9	50.3	60.7	66.0	74.6	83.3	78.1	66.0	57.3	50.3	48.6
72.5°	33.0	34.7	38.2	41.7	45.1	48.6	46.9	38.2	33.0	31.2	29.5
75°	26.0	29.5	31.2	29.5	27.8	26.0	26.0	22.6	19.1	17.4	17.4
77.5°	26.0	27.8	26.0	22.6	19.1	17.4	15.6	13.9	10.4	8.7	10.4
80°	22.6	22.6	22.6	19.1	17.4	15.6	13.9	12.1	10.4	8.7	8.7
82.5°	24.3	24.3	22.6	19.1	19.1	15.6	15.6	13.9	12.1	8.7	8.7
85°	0.0	0.0	0.0	3.5	8.7	15.6	15.6	13.9	12.1	10.4	10.4
87.5°	0.0	0.0	0.0	0.0	1.7	3.5	6.9	8.7	10.4	10.4	10.4
90°	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3
2.5°	3832.3	3898.3	4023.3	4148.2	4224.6	4314.8	4478.0	4564.8	4677.6	4733.1	4842.5
5°	3087.7	3243.9	3299.5	3441.8	3594.5	3747.3	3990.3	4257.6	4479.7	4632.5	4830.3
7.5°	2252.9	2289.3	2504.6	2600.0	2849.9	3127.7	3459.2	3795.9	4077.1	4327.0	4478.0
10°	1688.8	1822.4	1957.8	2140.1	2341.4	2627.8	2945.4	3316.8	3681.3	3931.3	4122.2
12.5°	1357.3	1463.2	1643.7	1839.8	2088.0	2277.2	2596.5	2964.5	3436.6	3681.3	3933.0
15°	1027.5	1162.9	1367.7	1570.8	1832.9	2032.5	2355.3	2818.7	3426.2	3762.9	3979.9
17.5°	762.0	853.9	1037.9	1265.3	1532.6	1813.8	2249.4	2803.1	3542.5	3943.4	4167.3
20°	583.2	614.4	730.7	933.8	1223.6	1591.6	2077.6	2870.8	3886.1	4382.5	4609.9
22.5°	472.1	486.0	531.1	671.7	952.9	1397.2	1996.0	2917.6	4273.2	4908.4	5212.2
25°	411.4	407.9	437.4	498.1	744.6	1215.0	1891.9	3094.7	4747.0	5526.3	5798.8
27.5°	374.9	374.9	388.8	432.2	617.9	1096.9	1825.9	3221.4	5224.3	6069.6	6217.1
30°	355.8	359.3	399.2	413.1	513.8	956.3	1716.6	3349.8	5680.8	6416.7	6619.8
32.5°	329.8	315.9	307.2	341.9	432.2	829.6	1607.2	3403.6	6050.5	6842.0	7015.5
35°	253.4	246.5	256.9	282.9	371.4	722.0	1485.7	3464.4	6475.7	7334.9	7369.6
37.5°	229.1	227.4	234.3	256.9	312.4	628.3	1398.9	3448.8	6800.3	7742.8	7649.0
40°	211.8	211.8	217.0	236.0	279.4	562.4	1308.7	3434.9	7114.5	8201.0	7926.7
42.5°	197.9	197.9	206.5	218.7	265.6	519.0	1241.0	3415.8	7378.3	8482.2	8089.9
45°	178.8	184.0	197.9	210.0	269.0	489.5	1190.7	3342.9	7468.5	8478.7	8011.8
47.5°	164.9	171.8	185.7	203.1	243.0	480.8	1155.9	3278.7	7437.3	8270.4	7767.1
50°	149.3	157.9	177.0	206.5	206.5	463.4	1119.5	3335.9	7414.7	8109.0	7532.8
52°	138.9	145.8	170.1	201.3	180.5	427.0	1096.9	3447.0	7506.7	8088.2	7428.6
52.5°	137.1	142.3	164.9	197.9	171.8	420.0	1081.3	3473.0	7536.2	8036.1	7499.8
55°	121.5	128.4	151.0	154.5	140.6	345.4	1031.0	3532.1	7390.4	7933.7	7432.1
57.5°	114.6	118.0	133.6	126.7	121.5	260.3	886.9	3440.1	6564.3	7046.8	6914.9
60°	105.9	109.3	125.0	98.9	102.4	182.2	666.5	2987.1	5271.2	5871.7	6109.5
62.5°	102.4	100.7	118.0	79.8	86.8	131.9	470.4	2428.2	4061.4	4833.8	5245.2
65°	90.3	88.5	85.0	67.7	74.6	102.4	281.2	1584.7	2862.1	3657.0	3882.7
67.5°	69.4	72.9	62.5	53.8	62.5	79.8	156.2	709.9	1501.3	2193.9	2376.1
70°	48.6	52.1	50.3	46.9	55.5	66.0	90.3	243.0	621.4	1152.5	1270.5
72.5°	29.5	36.4	38.2	39.9	48.6	57.3	64.2	78.1	164.9	407.9	506.8
75°	17.4	24.3	29.5	34.7	39.9	48.6	53.8	55.5	57.3	76.4	123.2
77.5°	12.1	17.4	26.0	33.0	39.9	48.6	57.3	60.7	57.3	53.8	57.3
80°	10.4	17.4	24.3	31.2	41.7	50.3	57.3	57.3	55.5	48.6	52.1
82.5°	10.4	17.4	26.0	33.0	39.9	48.6	55.5	57.3	52.1	48.6	50.3
85°	12.1	19.1	27.8	34.7	43.4	39.9	36.4	29.5	27.8	22.6	24.3
87.5°	12.1	17.4	17.4	19.1	20.8	20.8	20.8	19.1	15.6	13.9	13.9
90°	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3	4436.3
2.5°	4847.7	4986.5	4981.3	4984.8	4964.0	4823.4	4755.7	4583.9	4632.5	4611.6
5°	5033.4	5170.5	5288.5	5274.7	5115.0	4924.1	4641.1	4373.9	4301.0	4193.3
7.5°	4847.7	5177.5	5286.8	5271.2	5035.1	4790.4	4339.1	4071.9	3945.1	3874.0
10°	4552.6	4934.5	5069.9	5097.6	4937.9	4566.5	4151.7	3723.0	3655.3	3532.1
12.5°	4384.3	4662.0	4745.3	4819.9	4764.4	4486.7	4009.4	3598.0	3504.3	3422.7
15°	4247.2	4412.0	4446.8	4531.8	4564.8	4415.5	4084.0	3733.4	3502.6	3493.9
17.5°	4373.9	4306.2	4179.5	4205.5	4309.6	4417.2	4276.7	4000.7	3776.8	3749.0
20°	4583.9	4285.3	3999.0	4063.2	4150.0	4479.7	4568.2	4373.9	4245.4	4174.3
22.5°	4825.1	4321.8	3941.7	3972.9	4137.8	4620.3	5040.3	4932.7	4693.2	4590.8
25°	5271.2	4422.5	3986.8	4007.6	4233.3	4816.4	5467.3	5547.2	5404.8	5384.0
27.5°	5706.8	4682.8	4085.7	4038.9	4281.9	5007.4	5725.9	6154.6	5904.7	5856.1
30°	5929.0	4894.6	4233.3	4153.4	4483.2	5123.7	5882.1	6550.4	6331.7	6309.1
32.5°	6269.2	5087.2	4347.8	4245.4	4596.0	5267.7	6173.7	6982.5	6770.8	6658.0
35°	6411.5	5297.2	4599.5	4479.7	4918.9	5469.1	6323.0	7367.9	7301.9	7192.6
37.5°	6685.7	5522.9	4896.3	4889.3	5309.4	5731.1	6592.0	7892.0	7879.9	7690.7
40°	6708.3	5769.3	5364.9	5583.6	5913.4	6187.6	6828.1	8037.8	8235.7	8107.3
42.5°	6743.0	6201.5	6175.5	6356.0	6638.9	6579.9	6836.8	8072.5	8374.5	8298.2
45°	6758.6	6633.7	6999.9	7333.1	7451.2	7093.6	6755.2	8006.6	8447.4	8256.5
47.5°	6633.7	7005.1	7666.4	8310.3	8345.0	7409.5	6720.5	7938.9	8490.8	8364.1
50°	6651.0	7237.7	8242.6	8818.9	8692.2	7689.0	6666.7	7897.2	8468.3	8383.2
52°	6609.4	7242.9	8324.2	8808.5	8719.9	7534.5	6574.7	7737.6	8447.4	8508.2
52.5°	6656.2	7211.7	8239.2	8815.4	8700.8	7610.9	6562.5	7826.1	8459.6	8336.4
55°	6494.8	6840.2	7741.0	7985.8	7968.4	6907.9	6189.4	7532.8	8142.0	8143.7
57.5°	5870.0	5929.0	6071.3	6066.1	5986.3	5430.9	5293.8	6927.0	7258.5	7078.0
60°	5172.3	4340.9	3957.3	3801.1	3712.6	3622.3	4682.8	6336.9	6368.1	6291.8
62.5°	4469.3	3009.6	2499.3	2456.0	2476.8	2806.6	4526.6	6102.6	5915.1	5750.2
65°	3606.7	2193.9	1815.5	1758.2	1961.3	2317.1	3664.0	4679.3	4391.2	4254.1
67.5°	2265.0	1600.3	1227.1	1119.5	1364.2	1595.1	2407.4	2940.2	2617.4	2428.2
70°	1343.4	893.9	555.4	498.1	560.6	850.5	1348.6	1466.6	1213.2	1116.0
72.5°	529.4	328.0	154.5	131.9	137.1	298.5	496.4	484.2	366.2	326.3
75°	142.3	98.9	53.8	43.4	36.4	55.5	79.8	52.1	19.1	24.3
77.5°	66.0	59.0	46.9	36.4	27.8	20.8	10.4	3.5	3.5	1.7
80°	57.3	50.3	43.4	36.4	27.8	17.4	8.7	1.7	1.7	1.7
82.5°	53.8	46.9	39.9	33.0	26.0	17.4	8.7	1.7	0.0	0.0
85°	22.6	29.5	33.0	31.2	27.8	17.4	8.7	1.7	0.0	0.0
87.5°	12.1	10.4	8.7	6.9	5.2	3.5	3.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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