

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: P654432

Luminaire Tested: **GLAN-SA6B-840-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P654432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-840-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24460.5 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

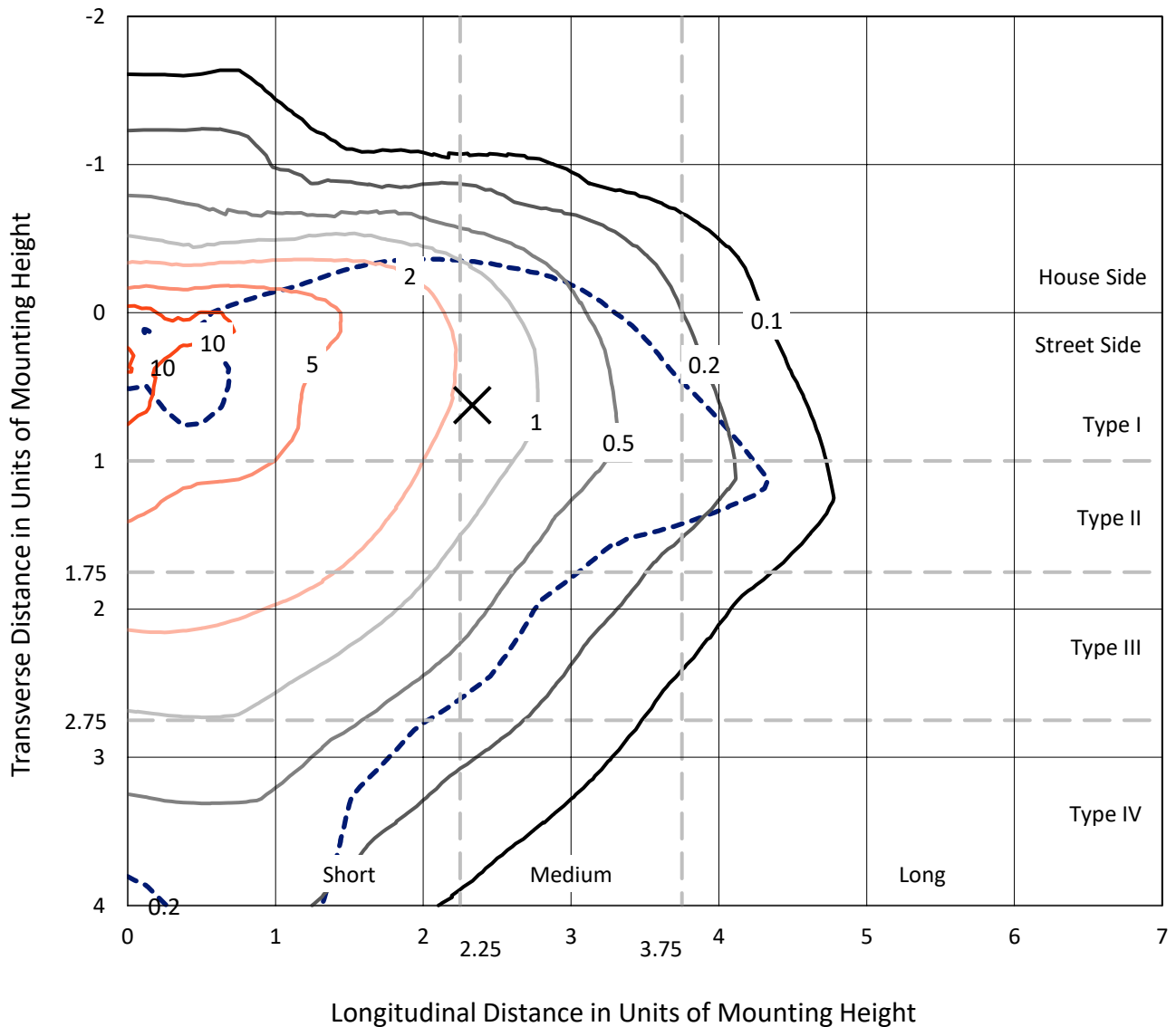
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

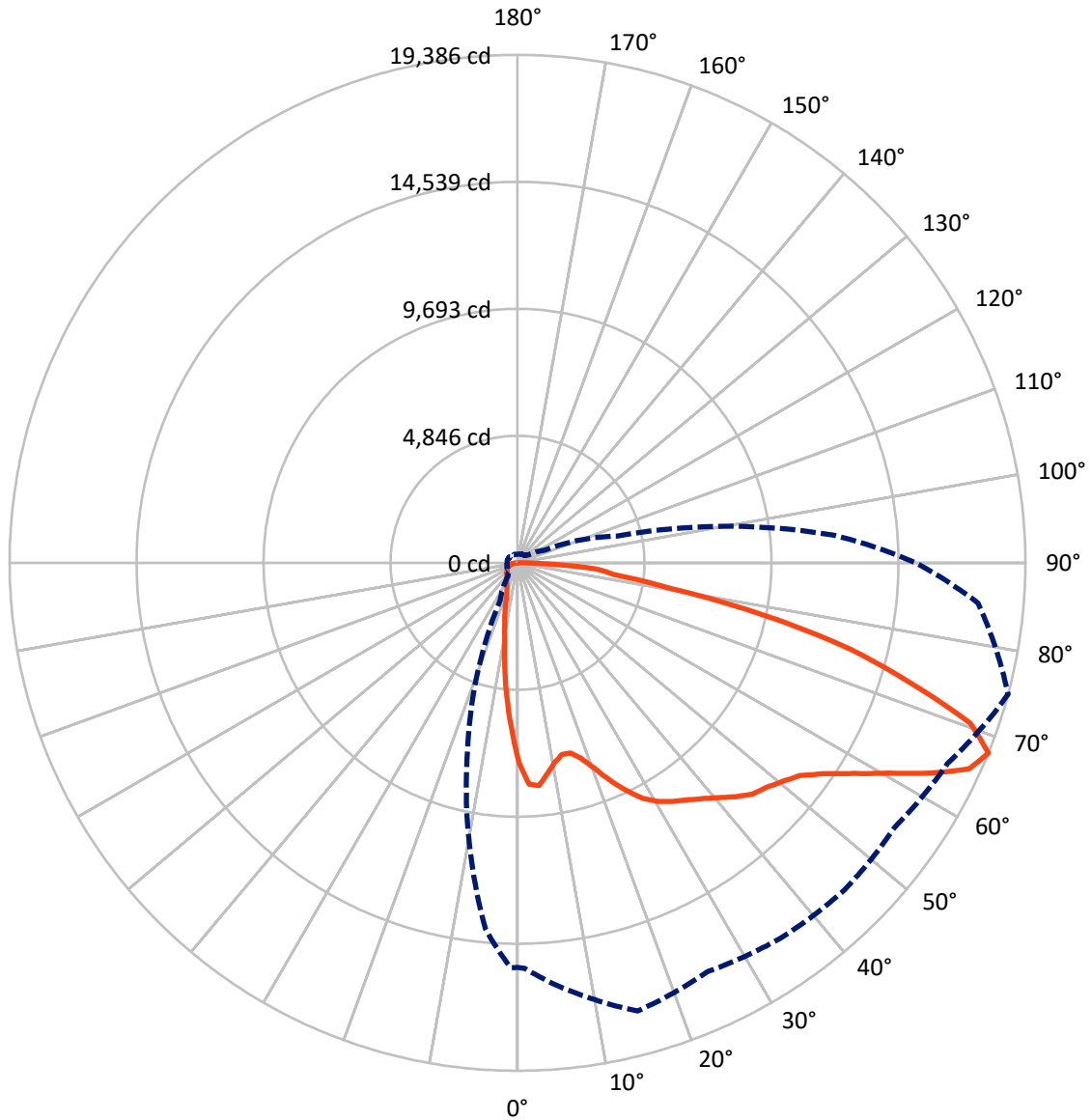
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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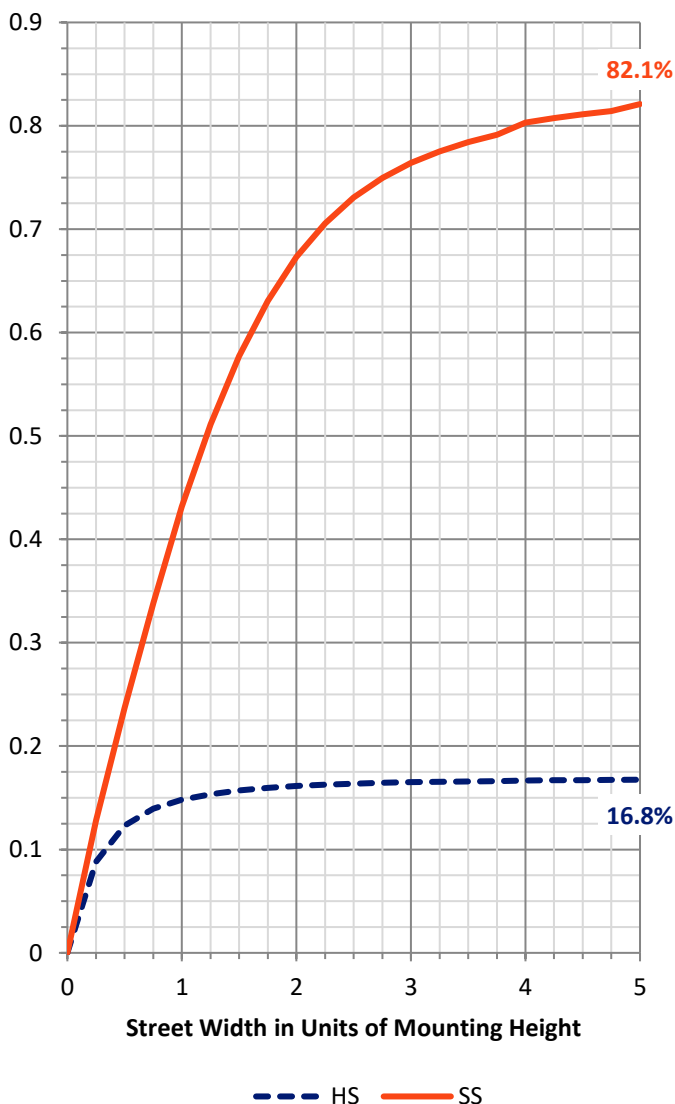
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4134.4	0.0	4134.4
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	20326.1	0.0	20326.1
	% Fixture	83.1	0.0	83.1
Total	Lumens	24460.5	0.0	24460.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.6	2.4
10°-20°	1208.8	4.9
20°-30°	1739.5	7.1
30°-40°	2505.4	10.2
40°-50°	3519.4	14.4
50°-60°	4908.3	20.1
60°-70°	5835.7	23.9
70°-80°	3436.9	14.1
80°-90°	726.8	3.0
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°	24460.5	100.0
0°-180°	24460.5	100.0

Coefficient of Utilization



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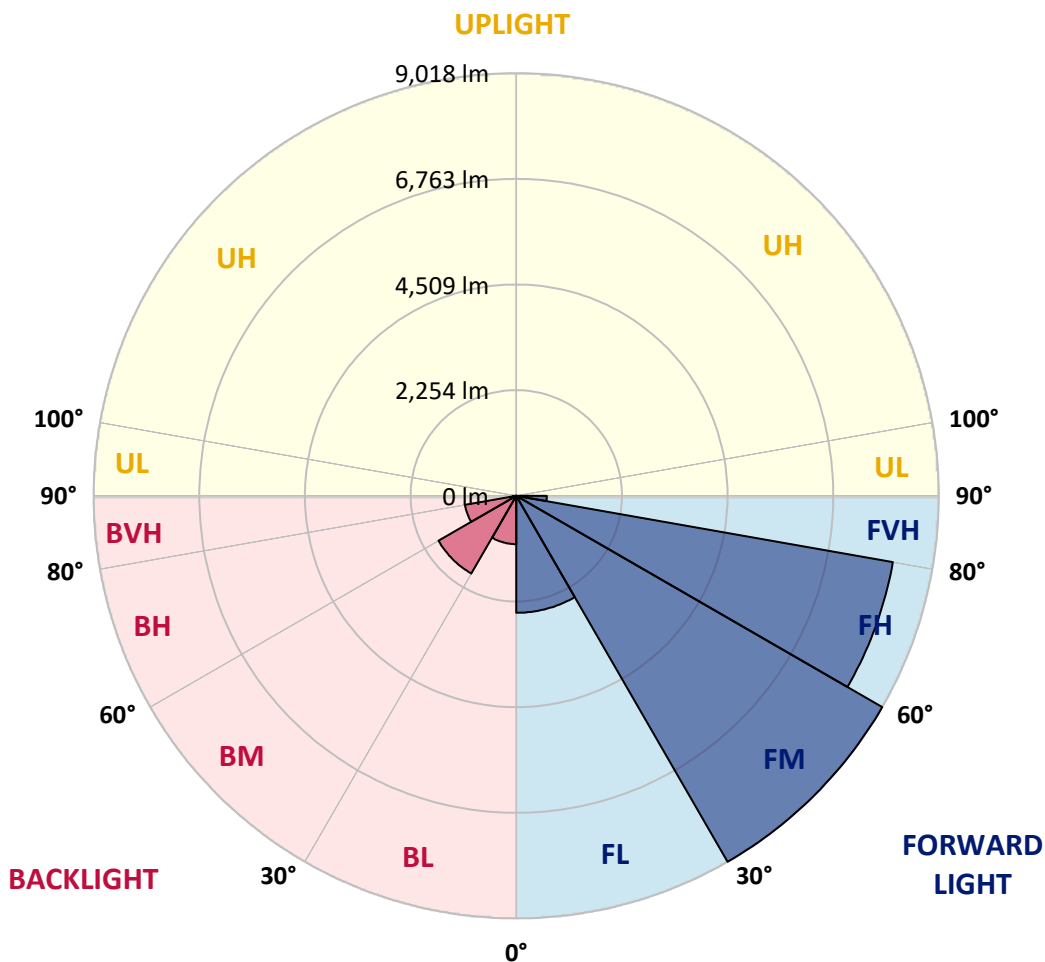
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2496.8	10.2			
FM (30°-60°)	9017.7	36.9			
FH (60°-80°)	8160.1	33.4			G4/12000
FVH (80°-90°)	651.6	2.7			G4/750
BL (0°-30°)	1031.2	4.2	B3/2500		
BM (30°-60°)	1915.5	7.8	B2/2500		
BH (60°-80°)	1112.5	4.5	B3/2500		G3/2500
BVH (80°-90°)	75.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0
2.5°	8239.7	8250.6	8321.2	8526.7	8667.9	8719.7	8755.7	8688.3	8622.4	8462.4	8220.9
5°	8214.6	8278.9	8462.4	8923.5	9287.4	9444.3	9491.4	9289.0	8954.9	8544.0	8049.9
7.5°	7734.6	7820.9	8103.2	8876.5	9518.0	9885.1	9836.4	9471.0	8868.7	8136.2	7446.0
10°	7165.2	7260.9	7601.2	8536.2	9362.8	9867.8	9867.8	9422.3	8622.4	7751.8	6956.6
12.5°	6713.5	6813.9	7202.8	8186.3	9039.7	9518.0	9598.0	9215.3	8445.2	7508.7	6635.0
15°	6564.4	6661.6	7080.5	7974.5	8697.7	8989.4	9016.1	8890.6	8358.9	7525.9	6620.9
17.5°	6749.5	6875.0	7298.5	8037.4	8383.9	8401.3	8421.6	8520.4	8368.3	7841.2	6906.4
20°	7284.4	7419.3	7861.7	8239.7	8109.4	7930.6	7941.6	8195.7	8479.6	8362.0	7588.7
22.5°	8056.1	8173.8	8627.1	8595.7	7993.4	7624.8	7547.9	7902.5	8644.4	9011.4	8315.0
25°	8889.0	9027.0	9547.9	9124.3	8026.3	7442.8	7394.2	7729.9	8815.3	9618.4	9154.1
27.5°	9842.7	9977.6	10388.6	9657.6	8198.9	7428.7	7370.7	7714.2	8969.0	10180.0	9955.7
30°	10551.7	10675.7	10954.9	10106.2	8410.6	7522.8	7450.7	7838.1	9100.8	10564.3	10736.8
32.5°	11108.5	11237.2	11389.3	10385.4	8689.8	7693.8	7560.5	8064.0	9273.4	10857.6	11315.6
35°	11688.9	11841.1	11830.1	10633.3	8950.2	7891.4	7761.3	8390.2	9544.7	11113.2	12049.7
37.5°	12424.6	12485.7	12407.4	10856.0	9262.4	8247.5	8175.4	8874.9	9930.5	11422.3	12907.7
40°	13171.2	13293.6	12890.4	11125.8	9642.0	8917.3	8909.5	9591.8	10388.6	11784.6	13739.0
42.5°	13811.2	13914.7	13342.2	11361.1	10101.5	9734.5	9794.1	10553.3	10989.3	12205.0	14407.3
45°	14292.7	14385.3	13759.4	11588.6	10707.0	10678.8	11030.1	11583.8	11746.9	12583.0	14799.4
47.5°	14702.1	14791.5	14049.6	11933.6	11455.2	11806.5	12418.3	12658.3	12394.7	12799.4	15238.6
50°	15047.3	15073.9	14248.8	12344.6	12383.8	13188.5	13781.4	13936.7	13034.7	13110.0	15619.7
52.5°	15406.4	15371.9	14592.4	12862.2	13387.7	14499.8	14931.1	15092.7	13648.1	13492.8	16175.0
55°	16211.1	16244.0	15362.5	13514.7	14402.5	15787.6	16355.4	16200.1	14327.3	14197.1	16880.9
57.5°	17183.6	17155.4	16446.3	14535.8	15436.2	16985.9	17409.5	17160.1	15233.9	15164.8	17596.2
60°	17561.6	17599.3	17353.0	15633.9	16455.8	18035.3	18468.3	18080.8	16320.9	16289.5	18135.7
62.5°	17182.1	17393.8	17560.1	16611.1	17324.8	18807.0	19236.9	18794.5	17455.0	17682.4	18513.8
65°	16426.0	16471.5	17037.7	17439.3	17743.6	18934.1	19158.4	18923.2	18402.3	18951.3	18496.4
67.5°	15444.0	15483.3	16146.8	17710.6	17204.0	17491.0	17647.9	17578.8	18109.1	19385.9	17644.8
70°	14509.2	14477.8	15179.0	17018.9	14976.6	14540.6	14670.7	14454.3	15626.0	18324.0	15974.2
72.5°	12689.7	12802.6	13555.5	15095.9	11858.4	11149.3	11433.2	10873.3	12018.3	15693.5	12965.7
75°	9939.9	9966.6	11223.1	12669.2	8945.5	7827.1	8211.4	7977.7	9205.9	13091.3	8953.4
77.5°	6882.8	6823.3	8173.8	9676.5	6379.3	5730.0	5736.2	5624.9	6427.9	9638.8	6082.9
80°	4371.6	4280.6	5116.6	5977.8	4384.1	4690.0	4536.3	4531.6	4184.9	5946.5	3678.3
82.5°	2362.3	2462.6	3232.8	3747.3	3145.0	3625.0	3322.2	3225.0	2872.0	3722.2	2352.9
85°	1076.1	1170.2	1723.9	2548.9	2388.9	2415.6	1614.0	1904.3	2376.3	3022.6	1256.5
87.5°	105.1	134.9	356.1	1203.1	815.7	643.1	240.0	462.7	597.6	1074.5	100.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0
2.5°	8122.0	8040.5	7762.9	7533.8	7290.7	7105.6	6864.0	6702.4	6591.1	6423.2	6402.9
5°	7748.7	7549.5	7066.3	6573.8	6148.8	5828.8	5504.1	5206.0	5030.4	4975.4	4904.9
7.5°	7119.7	6784.0	6162.8	5598.2	5110.3	4633.6	4266.5	4006.1	3832.0	3730.0	3607.7
10°	6602.1	6213.1	5457.0	4765.3	4363.8	4067.2	3744.1	3464.9	3250.0	3066.5	2966.1
12.5°	6253.8	5814.7	4964.5	4403.0	4092.4	3777.1	3399.1	3085.4	2768.5	2559.9	2470.5
15°	6148.8	5684.5	4812.4	4222.6	3777.1	3364.6	2941.1	2531.7	2218.0	2020.3	1954.4
17.5°	6406.0	5844.4	4810.8	3982.6	3406.9	2914.4	2371.7	1987.4	1665.9	1518.3	1471.3
20°	6886.0	6151.9	4824.9	3745.7	3005.4	2312.1	1725.4	1410.1	1256.5	1193.7	1170.2
22.5°	7555.8	6620.9	4867.3	3512.0	2566.1	1775.6	1292.5	1132.5	1077.6	1066.6	1061.9
25°	8380.8	7201.2	5010.0	3301.9	2196.0	1355.3	1080.8	1008.6	977.2	966.2	964.6
27.5°	9140.0	7951.1	5182.5	3121.5	1838.3	1168.6	977.2	916.0	884.6	883.1	886.2
30°	9825.5	8578.5	5326.8	2919.1	1567.0	1038.4	909.8	848.6	818.8	817.2	826.6
32.5°	10418.4	9094.5	5433.5	2719.9	1416.4	958.4	848.6	782.7	757.7	752.9	757.7
35°	11052.1	9609.0	5384.8	2564.6	1330.1	892.6	803.1	738.8	709.0	694.8	694.8
37.5°	11775.2	10139.2	5301.7	2436.0	1290.9	837.6	763.9	701.1	671.4	657.2	655.6
40°	12564.2	10669.3	5187.2	2321.5	1251.7	804.7	737.2	671.4	635.3	621.2	618.1
42.5°	13260.6	11122.6	5093.1	2246.1	1187.4	811.0	713.7	649.4	603.9	585.1	583.5
45°	13866.1	11579.1	5075.9	2202.2	1134.1	801.6	707.4	632.1	578.8	558.4	555.3
47.5°	14339.8	12054.4	5174.7	2177.2	1076.1	751.3	748.2	621.2	556.8	534.9	531.8
50°	14917.0	12728.9	5400.6	2125.4	1022.7	704.3	790.5	619.6	539.6	511.3	503.5
52.5°	15685.7	13607.3	5706.4	2032.9	945.9	660.4	754.5	619.6	519.2	491.0	481.6
55°	16847.9	14727.3	6006.0	1902.7	837.6	602.3	680.8	600.7	489.4	464.3	458.0
57.5°	17618.1	15546.1	6197.4	1722.3	702.7	559.9	586.7	571.0	459.6	432.9	432.9
60°	17657.3	15765.6	6106.4	1494.9	618.1	520.7	509.8	575.7	432.9	404.7	401.6
62.5°	17205.6	15227.6	5632.7	1290.9	572.6	478.4	461.1	505.1	406.3	378.0	373.3
65°	16499.7	13855.1	4810.8	1193.7	547.4	440.8	415.7	414.1	378.0	351.4	345.1
67.5°	15202.5	12107.7	3952.8	1137.2	534.9	398.4	374.9	367.0	345.1	323.1	320.0
70°	13290.4	10140.8	3170.1	1113.7	528.6	354.5	335.6	326.2	307.5	290.1	288.6
72.5°	10339.9	8225.6	2616.4	1098.0	525.5	313.7	293.3	280.8	269.8	254.1	254.1
75°	7427.1	6051.5	1996.8	989.8	486.3	269.8	247.8	240.0	224.3	211.8	214.9
77.5°	4682.2	4075.1	1314.5	727.8	376.4	216.5	197.6	192.9	180.4	163.2	174.1
80°	3162.2	2865.8	767.0	458.0	236.8	158.4	152.1	150.6	136.5	117.7	119.2
82.5°	2152.0	2111.2	398.4	260.4	136.5	92.5	89.4	92.5	76.9	62.7	62.7
85°	840.7	1148.2	188.2	101.9	43.9	14.1	20.4	22.0	12.5	6.3	7.8
87.5°	15.7	117.7	4.7	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0
2.5°	6371.5	6357.4	6380.9	6280.5	6300.9	6338.5	6357.4	6368.4	6523.6	6487.6	6586.4
5°	4970.8	4956.7	5047.6	5060.2	5107.2	5097.8	5143.3	5154.3	5210.8	5231.2	5369.2
7.5°	3615.5	3676.7	3780.2	3833.5	3913.6	3938.7	3915.1	3973.1	3855.6	3940.3	3965.3
10°	2905.0	2831.2	2787.3	2909.7	2925.3	3041.5	2994.4	2956.7	3025.7	3028.9	3094.8
12.5°	2418.7	2260.3	2155.2	2189.7	2227.4	2277.5	2285.4	2360.7	2410.9	2457.9	2497.2
15°	1896.4	1841.5	1745.8	1698.7	1752.1	1772.5	1821.1	1883.8	1937.2	1951.3	2004.6
17.5°	1455.6	1465.0	1449.4	1421.1	1454.1	1469.7	1472.8	1474.4	1488.6	1479.2	1557.6
20°	1171.7	1204.6	1243.8	1250.1	1261.2	1269.0	1254.9	1201.5	1203.1	1236.0	1261.2
22.5°	1060.3	1066.6	1110.5	1124.7	1159.2	1145.0	1104.2	1079.2	1076.1	1083.9	1096.4
25°	972.5	982.0	1013.3	1035.3	1061.9	1036.8	1007.0	983.5	980.4	988.2	1000.7
27.5°	894.1	908.2	936.5	958.4	983.5	960.0	931.7	911.3	909.8	908.2	916.0
30°	831.3	847.1	867.4	892.6	909.8	889.4	862.7	851.8	850.2	847.1	850.2
32.5°	768.6	793.7	814.1	826.6	843.9	828.2	807.8	801.6	790.5	781.1	776.4
35°	698.0	724.7	756.1	771.7	789.0	773.3	759.2	732.5	713.7	712.2	715.3
37.5°	657.2	668.2	693.3	720.0	737.2	729.4	702.7	676.1	671.4	671.4	674.5
40°	621.2	625.9	636.8	671.4	702.7	679.2	646.2	638.4	638.4	636.8	638.4
42.5°	585.1	589.8	589.8	616.5	666.7	629.0	603.9	603.9	603.9	605.4	610.1
45°	552.1	553.7	552.1	571.0	618.1	586.7	569.4	574.1	577.3	580.4	583.5
47.5°	523.9	525.5	523.9	539.6	563.1	550.6	541.2	547.4	553.7	558.4	561.5
50°	498.8	497.2	500.4	509.8	520.7	523.9	517.6	527.1	530.2	536.5	544.3
52.5°	476.8	475.2	478.4	483.2	498.8	498.8	498.8	506.6	512.9	519.2	530.2
55°	451.8	453.3	458.0	464.3	484.7	481.6	483.2	489.4	495.7	505.1	511.3
57.5°	428.2	431.3	437.7	447.1	467.4	465.8	467.4	470.5	478.4	483.2	489.4
60°	401.6	407.8	415.7	421.9	442.4	440.8	448.6	454.9	459.6	459.6	462.7
62.5°	374.9	384.3	392.2	396.9	418.8	420.4	431.3	436.1	439.2	436.1	440.8
65°	348.3	362.3	365.5	371.7	393.7	395.3	407.8	418.8	415.7	412.5	420.4
67.5°	321.5	338.8	337.2	345.1	367.0	370.2	381.1	400.0	393.7	390.6	396.9
70°	291.7	304.3	305.9	310.6	340.4	335.6	353.0	370.2	365.5	367.0	367.0
72.5°	258.8	269.8	269.8	279.2	310.6	302.8	316.9	335.6	335.6	334.1	334.1
75°	219.6	225.9	232.1	246.2	279.2	269.8	279.2	296.5	299.6	296.5	296.5
77.5°	177.3	186.6	189.8	208.7	232.1	230.6	240.0	247.8	254.1	251.0	251.0
80°	125.5	134.9	147.4	167.9	182.0	186.6	191.3	197.6	200.7	200.7	203.9
82.5°	70.6	84.7	95.7	116.1	122.4	145.9	144.3	149.0	144.3	127.1	141.2
85°	15.7	29.8	42.4	53.3	61.1	84.7	89.4	100.4	83.2	76.9	76.9
87.5°	0.0	0.0	0.0	0.0	0.0	12.5	25.1	34.5	29.8	25.1	25.1
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°	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0	7642.0
2.5°	6669.6	6806.0	6970.7	7254.6	7453.8	7668.7	7885.1	8115.7	8176.9	8239.7
5°	5406.9	5675.1	5820.9	6202.1	6602.1	7110.3	7525.9	7980.8	8170.7	8214.6
7.5°	4095.5	4277.5	4660.2	5046.1	5541.8	6075.0	6711.9	7420.9	7642.0	7734.6
10°	3246.9	3494.8	3830.4	4244.5	4679.0	5253.1	5971.5	6799.7	7113.4	7165.2
12.5°	2763.8	3039.9	3405.4	3842.9	4253.9	4686.9	5411.5	6266.4	6602.1	6713.5
15°	2210.1	2544.2	2966.1	3427.3	3874.3	4348.1	5082.2	6046.8	6434.2	6564.4
17.5°	1736.4	2006.2	2462.6	2963.0	3493.2	4092.4	5013.1	6151.9	6628.8	6749.5
20°	1328.6	1521.5	1905.8	2434.4	3055.5	3839.8	5030.4	6548.8	7119.7	7284.4
22.5°	1148.2	1247.0	1480.7	1984.3	2679.1	3620.3	5101.0	7093.1	7781.6	8056.1
25°	1040.0	1091.7	1223.5	1552.9	2319.9	3406.9	5262.6	7825.6	8707.1	8889.0
27.5°	947.4	985.1	1066.6	1303.5	1993.7	3209.3	5450.8	8638.1	9571.3	9842.7
30°	859.6	909.8	986.7	1157.6	1785.0	3028.9	5687.6	9296.8	10299.1	10551.7
32.5°	792.1	842.3	912.9	1055.6	1607.7	2839.1	5828.8	9875.7	10893.6	11108.5
35°	737.2	779.6	853.3	974.0	1472.8	2694.8	5800.5	10335.2	11469.3	11688.9
37.5°	698.0	734.1	807.8	897.2	1370.9	2544.2	5786.4	10942.3	12170.4	12424.6
40°	662.0	699.5	767.0	847.1	1269.0	2367.0	5794.2	11544.6	12917.1	13171.2
42.5°	633.7	676.1	730.9	832.9	1163.9	2224.2	5794.2	12068.5	13566.5	13811.2
45°	610.1	655.6	709.0	831.3	1080.8	2116.0	5755.0	12518.7	14084.1	14292.7
47.5°	589.8	640.0	716.9	803.1	1060.3	2037.6	5720.6	12879.5	14506.1	14702.1
50°	575.7	635.3	762.3	770.2	1066.6	2014.0	5886.8	13334.3	14877.8	15047.3
52.5°	564.6	636.8	760.8	721.6	1055.6	2029.8	6233.5	14044.9	15393.8	15406.4
55°	542.7	635.3	721.6	666.7	1010.1	2056.4	6679.0	15077.0	16201.7	16211.1
57.5°	520.7	618.1	669.8	619.6	917.6	2056.4	7215.4	16054.3	17175.7	17183.6
60°	498.8	643.1	588.2	578.8	796.8	2018.7	7781.6	16484.0	17481.6	17561.6
62.5°	476.8	647.8	525.5	542.7	709.0	1927.7	8203.6	16008.8	17067.5	17182.1
65°	451.8	522.3	484.7	505.1	663.5	1775.6	8070.2	15138.2	16289.5	16426.0
67.5°	421.9	442.4	440.8	465.8	647.8	1551.3	7367.5	14037.0	15451.9	15444.0
70°	385.9	396.9	401.6	428.2	618.1	1377.2	6139.4	12608.1	14333.5	14509.2
72.5°	348.3	357.6	362.3	385.9	588.2	1278.4	4765.3	10639.6	12415.2	12689.7
75°	307.5	313.7	320.0	340.4	556.8	1132.5	3394.4	8122.0	9508.6	9939.9
77.5°	265.1	265.1	272.9	293.3	469.0	934.9	2277.5	5697.0	6442.1	6882.8
80°	214.9	216.5	213.4	235.3	345.1	640.0	1294.0	3805.4	4286.9	4371.6
82.5°	164.7	160.0	161.6	172.6	257.3	436.1	690.2	2363.8	2409.3	2362.3
85°	103.5	103.5	100.4	112.9	164.7	227.4	376.4	1447.8	1130.9	1076.1
87.5°	42.4	34.5	39.2	45.5	78.5	92.5	147.4	298.1	114.5	105.1
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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