

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: P200160

Luminaire Tested: **GAP-AF-02-LED-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-02-LED-U-SLL
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 4000K, 1050mA 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: 11167.5 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 113
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: 28.75 FT



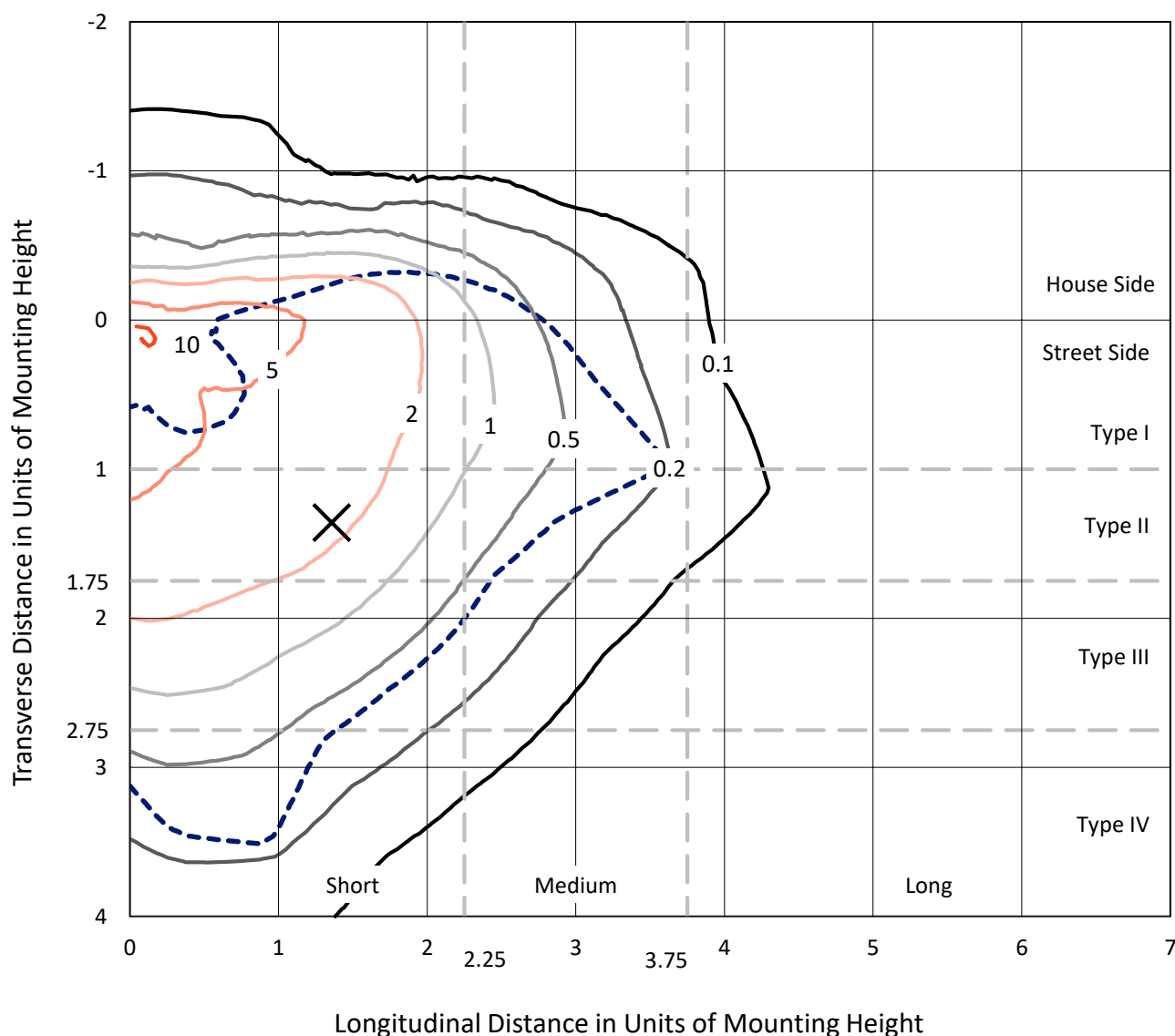
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

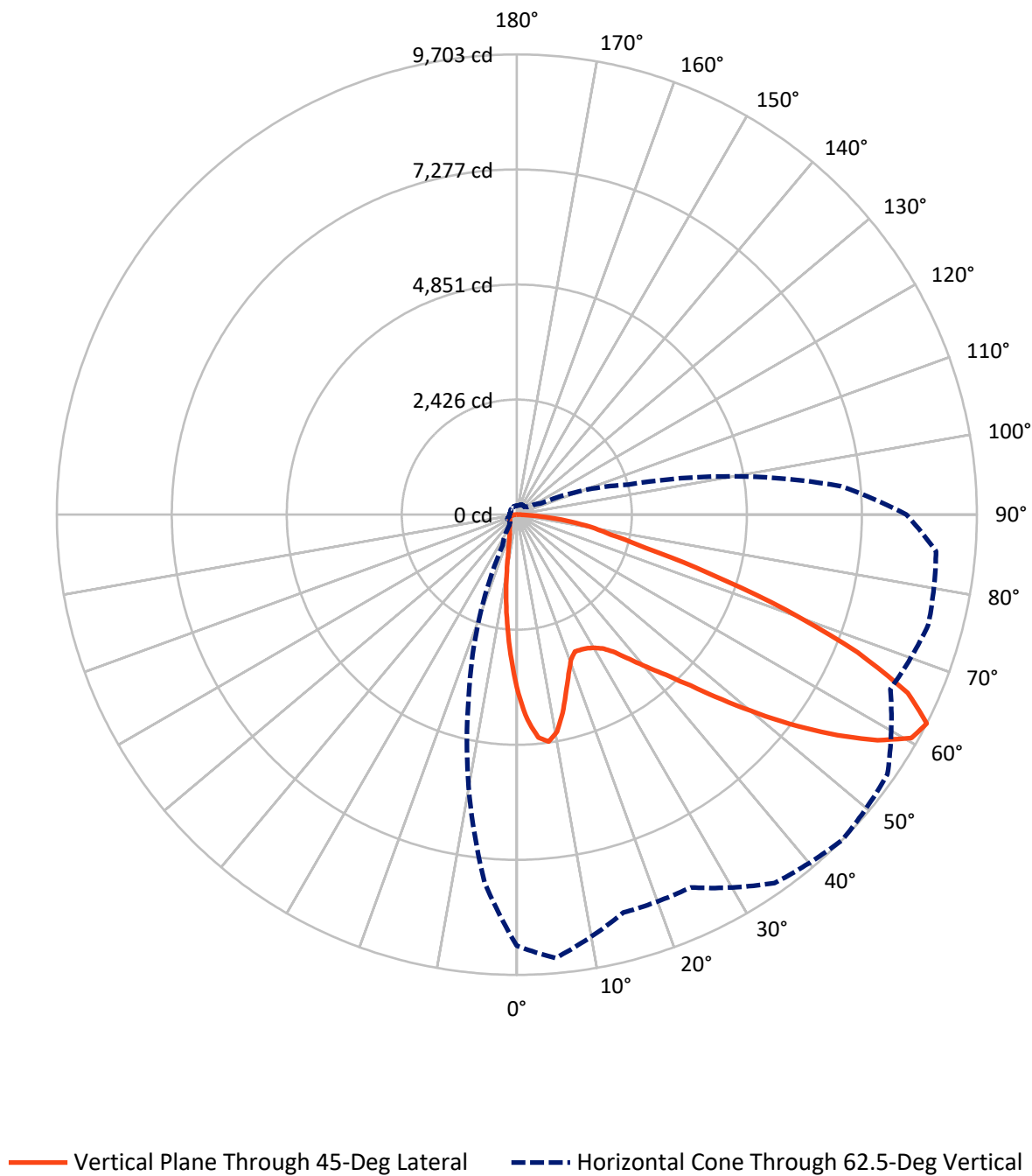


Based on 20 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1848.0	0.0	1848.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	9319.5	0.0	9319.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	11167.5	0.0	11167.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.7	2.5
10°-20°	503.6	4.5
20°-30°	734.3	6.6
30°-40°	1131.0	10.1
40°-50°	1664.5	14.9
50°-60°	2441.4	21.9
60°-70°	2729.1	24.4
70°-80°	1336.1	12.0
80°-90°	352.8	3.2
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°	11167.5	100.0
0°-180°	11167.5	100.0

Coefficient of Utilization



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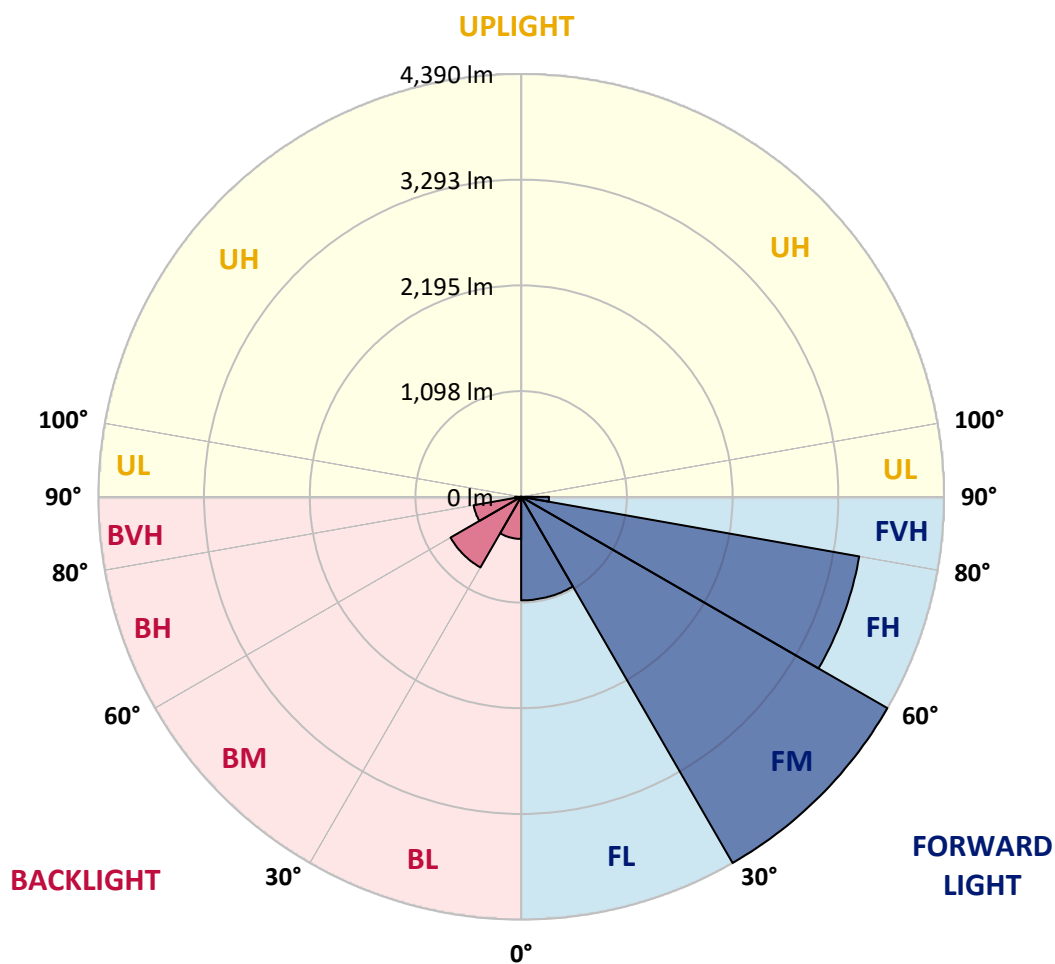
CATALOG NUMBER: GAP-AF-02-LED-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1075.4	9.6			
FM	(30°-60°)	4390.1	39.3			
FH	(60°-80°)	3564.3	31.9			G2/5000
FVH	(80°-90°)	289.7	2.6			G3/500
BL	(0°-30°)	437.2	3.9	B1/500		
BM	(30°-60°)	846.8	7.6	B1/1000		
BH	(60°-80°)	501.0	4.5	B2/1000		G2/1000
BVH	(80°-90°)	63.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1
2.5°	3920.4	3983.0	4105.1	4196.6	4307.7	4333.5	4369.1	4334.1	4272.0	4189.8	4162.8
5°	3686.4	3820.3	4116.8	4377.7	4609.7	4717.7	4747.8	4658.8	4479.0	4242.6	4098.4
7.5°	3311.4	3501.7	3903.2	4287.5	4629.4	4831.4	4826.5	4619.5	4288.7	3903.8	3672.3
10°	2987.8	3205.1	3665.5	4095.3	4458.1	4653.9	4578.4	4313.9	3919.1	3475.9	3224.8
12.5°	2806.8	3019.8	3486.9	3918.5	4221.7	4289.3	4231.5	3972.5	3600.5	3152.3	2932.6
15°	2775.5	3009.3	3415.7	3766.8	3936.9	3878.0	3809.3	3693.2	3430.5	3048.0	2819.0
17.5°	2911.1	3168.9	3497.4	3661.2	3632.4	3529.9	3510.3	3523.1	3459.9	3164.0	2900.1
20°	3171.4	3480.8	3691.9	3611.5	3401.0	3259.7	3264.6	3461.8	3649.0	3458.1	3156.6
22.5°	3536.6	3889.7	3972.5	3637.9	3303.4	3135.8	3176.3	3495.5	3950.4	3887.8	3502.9
25°	4009.4	4331.1	4271.4	3733.7	3313.2	3151.1	3183.6	3612.1	4306.5	4317.6	3931.4
27.5°	4467.3	4765.6	4522.6	3860.8	3353.7	3187.3	3230.3	3795.8	4646.5	4784.1	4421.3
30°	4824.6	5032.1	4622.0	3976.8	3433.5	3257.9	3311.4	3970.1	4801.3	5099.0	4798.3
32.5°	5120.5	5269.6	4780.5	4120.4	3580.2	3369.1	3463.0	4181.8	5024.1	5398.6	5167.1
35°	5498.7	5541.0	4977.5	4280.7	3806.8	3562.4	3679.0	4389.4	5236.5	5701.2	5530.6
37.5°	5941.9	5887.3	5163.4	4499.9	4099.6	3865.1	3961.5	4617.1	5411.5	6044.4	5902.0
40°	6380.2	6248.8	5396.8	4840.0	4526.9	4221.7	4336.0	4860.2	5574.8	6388.2	6264.8
42.5°	6752.8	6558.2	5626.9	5213.8	4924.7	4615.2	4751.5	5105.1	5730.7	6681.6	6579.7
45°	7028.5	6786.7	5846.2	5572.9	5472.9	5138.3	5202.7	5385.7	5899.6	6926.6	6838.8
47.5°	7274.6	7016.2	6094.1	5935.2	5952.3	5818.5	5714.7	5712.3	6098.4	7126.7	7083.7
50°	7604.3	7334.9	6360.6	6308.4	6671.8	6582.8	6353.9	6093.5	6350.2	7353.9	7349.0
52.5°	8058.6	7839.5	6685.9	6710.5	7343.5	7401.8	7118.1	6551.5	6744.2	7770.6	7741.2
55°	8595.8	8468.1	7129.1	7172.7	8167.2	8209.0	7927.3	7124.2	7323.8	8374.2	8292.4
57.5°	9015.1	8988.1	7615.4	7727.7	8782.3	8970.3	8711.1	7787.2	7977.0	8882.5	8677.4
60°	9182.0	9312.8	8132.9	8287.5	9351.5	9559.6	9332.5	8369.9	8555.9	9093.0	8651.0
62.5°	9091.8	9384.0	8684.1	8671.2	9478.6	9702.6	9543.0	8694.0	8985.0	8875.7	8213.3
65°	8674.9	9128.0	9004.0	8572.4	9043.9	9062.3	9010.8	8549.1	9086.3	8188.7	7367.4
67.5°	7767.0	8419.0	8582.9	7725.2	7871.4	7751.6	7665.1	7755.9	8558.3	7159.2	6191.7
70°	6326.2	7307.2	7385.8	6178.8	6112.5	6032.1	5859.7	6358.8	7516.5	5867.6	4913.0
72.5°	4651.5	5682.8	5924.1	4531.8	4224.8	4241.4	4105.1	4792.1	6111.3	4358.7	3668.0
75°	3182.4	4114.9	4634.9	3162.1	2793.9	2800.6	2783.4	3395.5	4867.6	3032.0	2744.7
77.5°	2324.9	2940.0	3495.5	2125.9	2063.9	2025.9	2016.6	2375.8	3731.8	2201.4	2131.4
80°	1865.7	2171.9	2348.2	1473.4	1584.4	1581.4	1530.4	1633.6	2437.2	1610.2	1594.3
82.5°	1294.1	1669.1	1902.5	1154.7	1069.4	1051.6	1063.9	1216.7	1722.5	1100.7	1046.7
85°	682.6	1108.7	1884.1	1023.4	634.7	506.5	629.8	996.4	1492.4	583.2	510.8
87.5°	87.2	320.5	1247.4	408.3	250.4	135.0	299.0	561.1	958.3	119.1	103.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1
2.5°	4093.4	4011.8	3905.0	3806.2	3703.6	3601.7	3468.5	3385.0	3327.4	3316.3	3291.8
5°	3994.0	3722.6	3517.6	3340.2	3179.3	2952.2	2826.4	2722.0	2666.1	2660.6	2647.1
7.5°	3535.4	3160.9	2884.1	2633.0	2405.3	2221.6	2019.1	1924.6	1885.9	1895.1	1904.3
10°	3058.4	2639.7	2321.8	2065.1	1864.4	1709.7	1547.0	1437.1	1361.0	1345.7	1342.6
12.5°	2709.7	2250.5	1941.8	1760.7	1605.3	1459.9	1287.4	1157.8	1059.0	1025.2	1002.5
15°	2562.4	2060.2	1736.7	1541.5	1370.2	1185.4	1025.2	889.6	798.7	769.3	752.6
17.5°	2593.7	2007.4	1595.5	1345.7	1126.5	933.7	731.7	615.7	561.1	547.0	547.0
20°	2758.2	1997.6	1478.9	1165.1	892.0	668.5	502.8	436.5	418.7	416.9	421.8
22.5°	2989.1	2032.0	1391.7	1008.6	693.0	488.0	391.7	367.1	359.2	361.0	366.5
25°	3332.9	2148.0	1328.5	869.3	543.9	399.7	349.3	334.6	330.9	335.8	342.6
27.5°	3740.4	2264.1	1289.2	764.3	459.2	365.3	332.2	316.8	319.3	325.4	331.5
30°	4098.4	2359.2	1227.1	689.4	432.8	367.1	332.2	311.3	308.8	310.1	311.9
32.5°	4419.5	2423.7	1154.7	618.2	373.3	326.0	310.1	307.0	293.5	288.6	289.2
35°	4696.3	2423.7	1111.1	576.4	334.6	289.2	263.4	248.0	241.2	241.8	248.6
37.5°	4963.4	2375.2	1089.6	553.1	313.7	275.1	252.4	238.8	229.6	227.7	228.9
40°	5199.0	2304.6	1065.1	543.3	297.8	266.5	244.9	233.8	224.0	221.0	221.6
42.5°	5388.2	2247.4	1038.1	530.4	288.0	260.3	240.0	230.2	219.1	216.0	215.4
45°	5592.6	2228.4	1002.5	504.6	292.9	261.0	238.8	228.3	217.3	213.6	212.4
47.5°	5862.1	2288.0	965.7	473.9	303.3	264.0	240.6	228.3	216.7	213.6	212.4
50°	6201.5	2428.0	919.0	429.1	292.9	272.6	240.0	226.5	216.7	213.6	211.1
52.5°	6637.4	2617.0	857.6	377.6	286.7	293.5	238.8	222.8	213.6	209.3	205.0
55°	7167.2	2771.8	784.6	335.2	272.6	288.0	236.9	218.5	208.7	202.5	198.9
57.5°	7555.2	2827.6	690.6	307.6	253.0	278.8	234.5	213.0	202.5	197.6	192.7
60°	7478.5	2719.5	611.4	290.4	241.2	251.7	232.6	208.1	197.0	193.3	189.0
62.5°	6864.0	2437.2	560.5	282.4	233.8	229.6	234.5	203.2	192.1	188.4	187.2
65°	5942.5	2020.3	540.2	280.6	227.7	216.7	217.9	197.6	186.6	183.5	182.3
67.5°	4902.0	1630.5	522.4	286.7	219.7	207.5	201.3	190.3	181.1	178.0	175.5
70°	3865.7	1356.1	514.4	283.1	209.9	198.2	191.5	182.3	174.3	171.2	169.4
72.5°	3113.0	1145.5	510.1	279.4	197.0	186.0	179.8	171.9	163.3	162.0	160.2
75°	2634.2	900.6	467.2	267.7	182.3	171.2	166.9	159.6	151.0	151.0	149.8
77.5°	2032.0	651.3	388.6	236.9	166.9	154.7	151.0	145.5	135.6	137.5	136.9
80°	1501.0	424.8	303.9	196.4	147.9	136.3	134.4	128.9	118.5	120.9	120.9
82.5°	1028.3	278.8	218.5	160.8	126.4	115.4	115.4	109.9	98.2	99.4	103.1
85°	516.3	191.5	163.3	124.6	98.2	92.7	92.7	88.4	76.7	77.3	82.2
87.5°	157.1	115.4	108.0	89.0	70.6	69.4	66.3	63.2	55.9	55.2	58.3
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1
2.5°	3254.2	3219.2	3176.9	3083.6	3052.3	3050.4	3078.7	3049.2	3105.7	3081.7	3108.1
5°	2624.4	2590.0	2542.7	2423.7	2351.3	2302.2	2278.8	2210.0	2259.7	2223.5	2253.6
7.5°	1930.1	1938.1	1906.8	1836.8	1679.0	1599.8	1553.1	1511.4	1547.6	1543.9	1601.6
10°	1356.7	1378.2	1356.1	1285.5	1157.8	1114.2	1122.8	1139.4	1186.6	1211.2	1300.3
12.5°	976.7	975.5	961.4	898.2	814.1	819.0	854.0	882.8	926.4	952.2	1043.0
15°	729.3	718.2	712.1	660.5	612.6	623.1	640.3	643.3	671.0	686.3	760.1
17.5°	551.3	556.8	563.5	526.7	490.5	483.8	470.3	453.7	461.7	464.7	501.6
20°	437.7	459.8	476.4	450.6	413.8	394.1	377.0	365.9	365.9	365.3	375.7
22.5°	382.5	398.4	416.2	398.4	365.3	348.1	338.3	329.7	328.5	328.5	338.3
25°	352.4	364.1	381.3	369.0	344.4	331.5	322.3	311.3	307.0	305.8	312.5
27.5°	337.7	342.6	351.2	340.1	319.3	313.1	310.7	300.8	295.3	292.3	299.0
30°	312.5	311.3	311.9	300.8	284.3	283.7	288.0	289.8	288.0	287.3	297.8
32.5°	289.2	286.7	286.1	276.3	261.0	257.3	261.0	264.6	268.9	275.1	287.3
35°	259.7	265.9	269.5	261.0	242.4	231.4	227.1	220.3	216.7	216.7	230.8
37.5°	236.3	250.4	256.0	248.0	227.7	212.4	205.0	203.8	204.4	206.8	220.3
40°	228.3	238.8	243.7	235.7	215.4	201.3	197.0	195.8	197.0	200.7	214.2
42.5°	223.4	230.8	230.2	220.3	203.8	194.0	191.5	190.3	191.5	195.2	209.9
45°	219.1	224.0	219.1	207.5	192.1	187.2	187.8	187.2	188.4	192.1	206.2
47.5°	215.4	217.3	211.1	199.5	183.5	182.3	184.7	186.6	187.8	190.9	205.6
50°	209.9	209.9	204.4	192.1	176.2	176.8	179.8	184.1	184.7	188.4	200.1
52.5°	203.2	202.5	198.9	187.2	170.0	171.9	171.9	176.8	178.0	182.3	194.6
55°	197.6	196.4	194.6	183.5	164.5	167.6	165.7	167.6	170.6	174.9	188.4
57.5°	192.7	190.3	190.3	180.4	160.2	161.4	157.1	159.6	163.3	166.9	181.1
60°	187.8	185.4	186.6	176.2	153.4	152.2	150.4	155.3	156.5	160.8	174.9
62.5°	182.3	180.4	181.1	171.2	148.5	145.5	145.5	149.8	150.4	156.5	170.0
65°	178.0	175.5	174.9	166.3	143.0	139.3	141.2	143.0	144.2	150.4	163.3
67.5°	173.7	168.8	168.8	162.0	136.9	133.2	136.9	136.3	138.1	143.6	154.1
70°	168.2	161.4	162.0	159.0	130.7	126.4	129.5	128.9	130.1	133.8	144.2
72.5°	159.6	154.1	155.3	154.1	124.6	118.5	119.7	119.7	119.7	122.8	133.8
75°	148.5	144.2	147.9	151.0	117.2	108.6	109.9	109.9	108.0	109.9	123.4
77.5°	135.0	132.6	144.8	140.6	108.6	98.2	98.2	97.0	93.3	95.7	110.5
80°	120.3	118.5	133.8	117.8	98.8	85.3	84.1	81.0	77.3	79.2	93.9
82.5°	105.0	103.1	112.3	90.2	85.3	70.6	67.5	62.0	58.3	60.1	73.7
85°	85.9	85.9	86.5	68.1	65.1	54.0	50.3	43.0	38.7	39.9	52.8
87.5°	61.4	63.2	58.3	46.6	38.7	30.1	27.6	23.3	19.6	22.7	27.6
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1	3773.1
2.5°	3243.2	3310.8	3387.5	3485.7	3569.8	3707.9	3840.6	3920.4
5°	2424.9	2537.2	2677.2	2857.1	3024.7	3276.4	3526.2	3686.4
7.5°	1735.4	1855.8	2006.8	2231.5	2468.5	2789.6	3119.8	3311.4
10°	1435.9	1559.3	1686.3	1838.0	2032.0	2381.3	2771.8	2987.8
12.5°	1187.9	1319.9	1456.8	1616.4	1796.3	2108.1	2558.1	2806.8
15°	909.2	1056.5	1217.9	1420.0	1645.2	2005.6	2505.3	2775.5
17.5°	623.1	787.7	985.9	1235.1	1510.8	1972.5	2599.8	2911.1
20°	429.1	548.8	760.7	1052.8	1384.4	1968.2	2781.6	3171.4
22.5°	359.2	412.6	567.2	885.3	1289.2	2020.9	3063.3	3536.6
25°	332.2	364.1	453.1	739.7	1219.8	2142.5	3451.3	4009.4
27.5°	316.2	345.0	411.3	644.6	1165.1	2283.7	3828.9	4467.3
30°	322.3	351.8	399.7	596.1	1090.9	2401.6	4164.0	4824.6
32.5°	290.4	303.3	342.6	553.1	1037.5	2500.4	4457.5	5120.5
35°	247.3	270.2	305.8	532.9	1038.7	2566.7	4777.4	5498.7
37.5°	235.7	258.5	284.3	525.5	1052.8	2637.3	5144.4	5941.9
40°	228.3	249.2	271.4	521.2	1066.3	2701.7	5504.2	6380.2
42.5°	223.4	242.4	270.2	506.5	1073.1	2759.4	5800.1	6752.8
45°	222.8	242.4	275.1	491.7	1083.5	2821.5	6048.1	7028.5
47.5°	223.4	250.4	265.9	473.9	1083.5	2925.2	6339.1	7274.6
50°	221.0	264.0	256.0	448.8	1058.3	3121.6	6738.1	7604.3
52.5°	219.7	262.2	236.9	410.1	1014.8	3433.5	7249.4	8058.6
55°	216.7	253.0	223.4	352.4	963.8	3773.7	7797.1	8595.8
57.5°	213.6	224.0	216.0	302.1	885.3	4013.0	8174.0	9015.1
60°	239.4	195.8	209.9	277.5	780.3	4078.7	8159.3	9182.0
62.5°	221.6	183.5	201.9	272.0	706.6	3894.6	7782.3	9091.8
65°	173.7	175.5	194.0	288.0	686.9	3406.5	7114.4	8674.9
67.5°	159.0	167.6	186.0	308.2	688.8	2727.5	6116.2	7767.0
70°	149.8	159.0	176.8	318.6	693.7	2033.2	4835.7	6326.2
72.5°	139.3	147.3	166.3	320.5	661.7	1477.0	3726.9	4651.5
75°	127.1	134.4	151.6	279.4	548.2	1024.6	2851.0	3182.4
77.5°	112.9	118.5	133.2	215.4	407.0	655.6	2140.0	2324.9
80°	96.4	99.4	111.7	157.7	278.8	410.1	1693.1	1865.7
82.5°	77.3	78.6	86.5	118.5	181.1	263.4	1133.8	1294.1
85°	54.6	54.6	59.5	85.9	123.4	166.9	615.7	682.6
87.5°	25.8	26.4	26.4	47.3	64.4	84.7	141.8	87.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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