

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: McGRAW-EDISON

Report Number: P200008

Luminaire Tested: **GPC-AF-02-LED-E1-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200008  
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: MCGRAW-EDISON  
Catalog Number: GPC-AF-02-LED-E1-SLR-7030  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10558.8 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

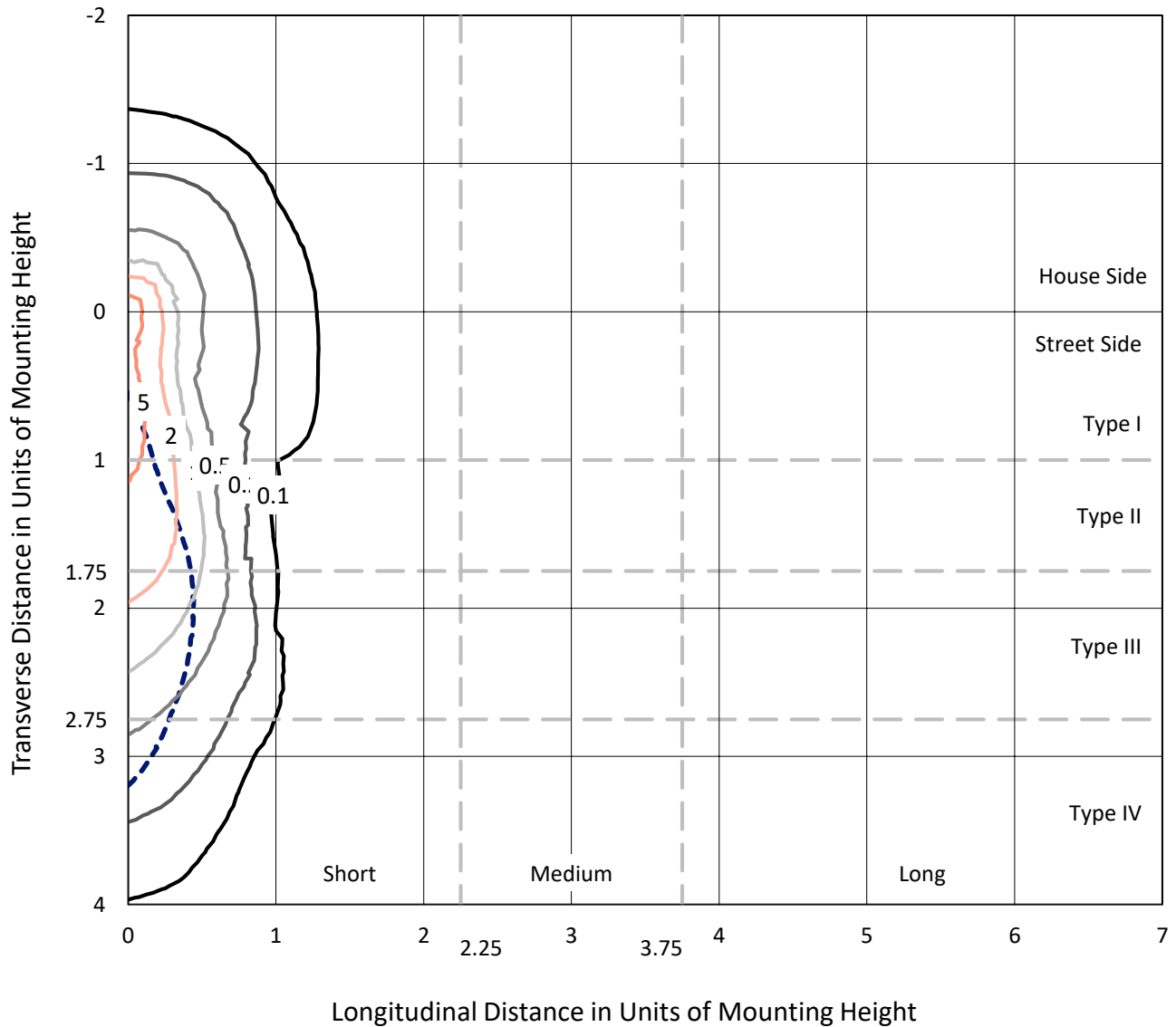
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

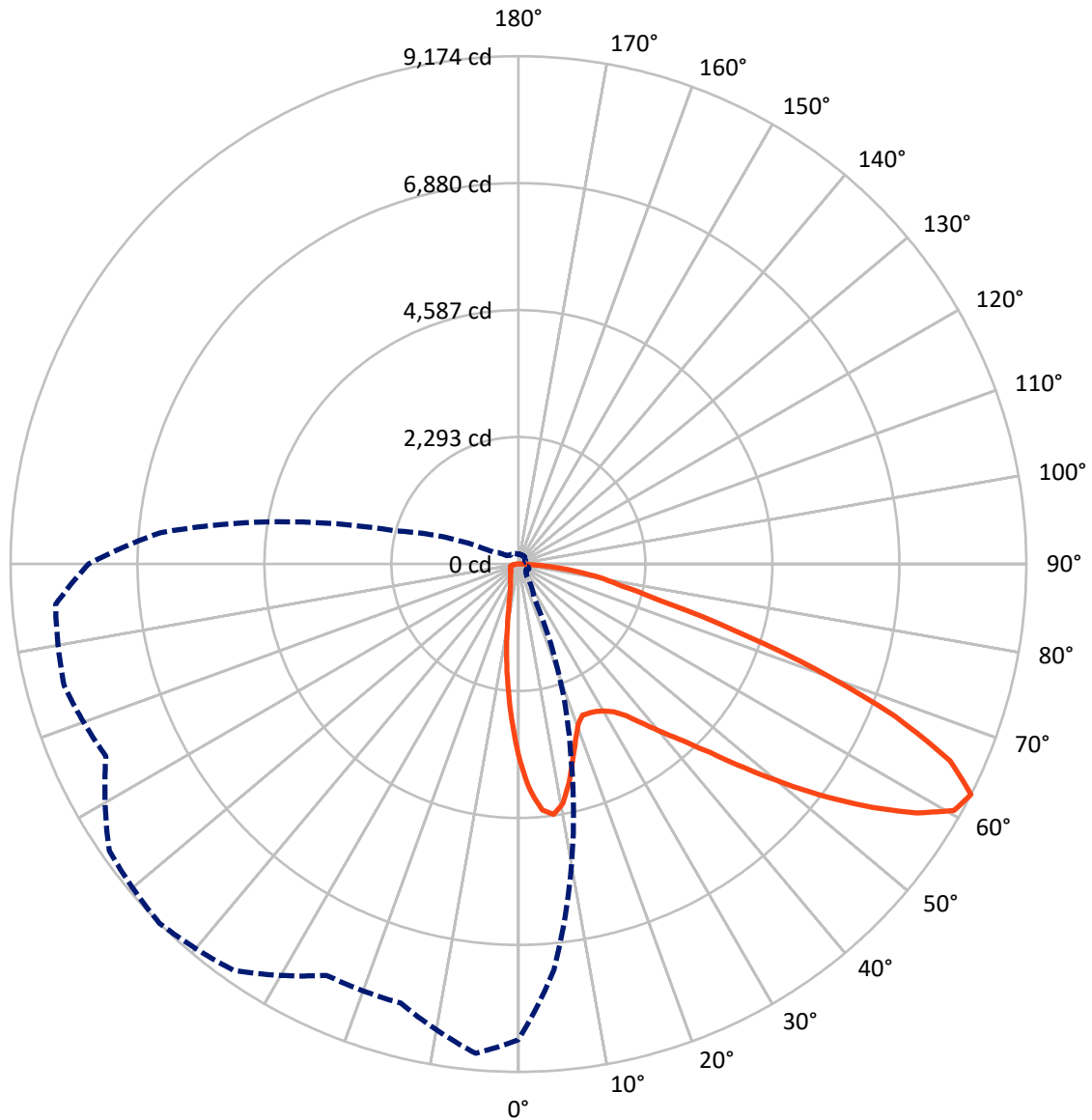
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1747.3	0.0	1747.3
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	8811.5	0.0	8811.5
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	10558.8	0.0	10558.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.7	2.5
10°-20°	476.2	4.5
20°-30°	694.3	6.6
30°-40°	1069.3	10.1
40°-50°	1573.7	14.9
50°-60°	2308.3	21.9
60°-70°	2580.4	24.4
70°-80°	1263.3	12.0
80°-90°	333.6	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°	10558.8	100.0
0°-180°	10558.8	100.0

**Coefficient of Utilization**



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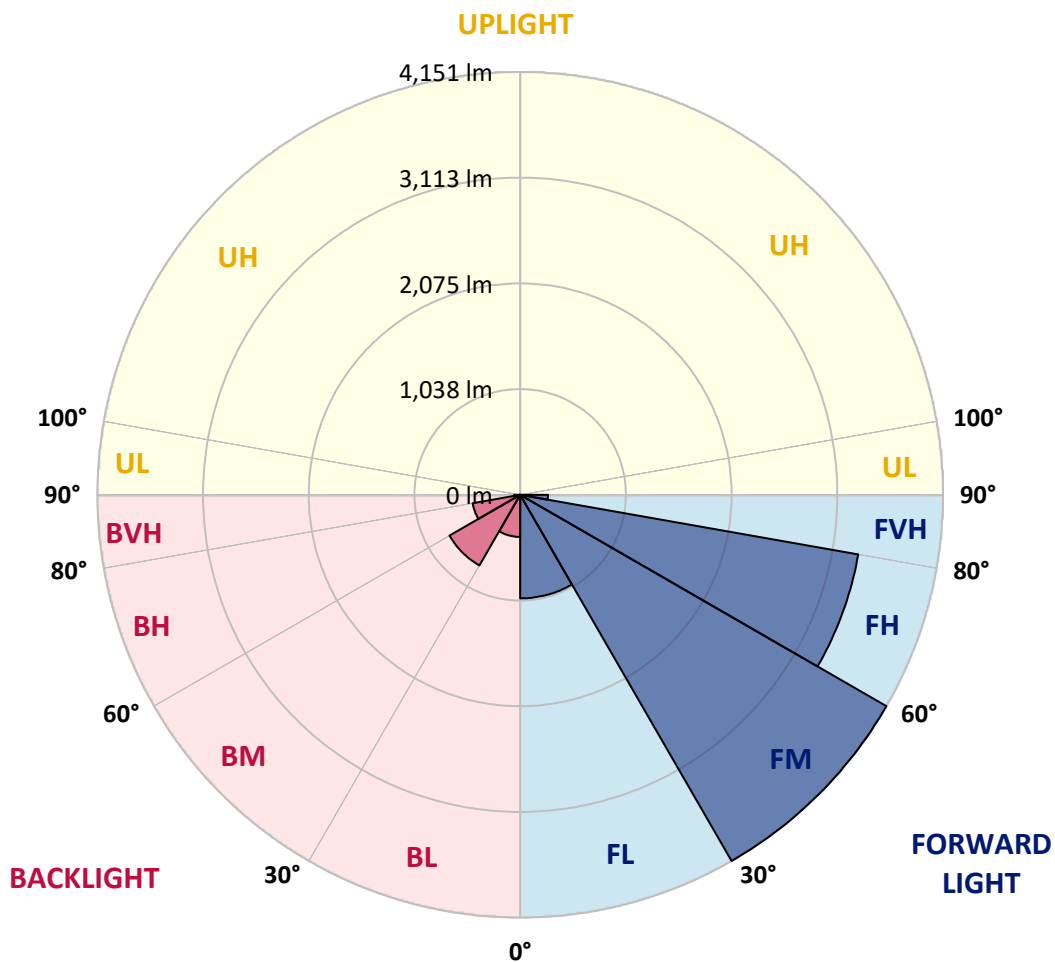
CATALOG NUMBER: GPC-AF-02-LED-E1-SLR-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1016.8	9.6			
FM	(30°-60°)	4150.8	39.3			
FH	(60°-80°)	3370.0	31.9			G2/5000
FVH	(80°-90°)	273.9	2.6			G3/500
BL	(0°-30°)	413.4	3.9	B1/500		
BM	(30°-60°)	800.6	7.6	B1/1000		
BH	(60°-80°)	473.7	4.5	B1/500		G1/500
BVH	(80°-90°)	59.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4
2.5°	3706.6	3631.2	3505.8	3375.2	3295.7	3202.8	3130.3	3066.5	2938.7	2913.7	2936.5
5°	3485.5	3334.0	3097.7	2859.8	2701.3	2531.3	2398.9	2292.7	2130.8	2102.3	2136.6
7.5°	3130.9	2949.8	2637.5	2333.9	2109.9	1897.4	1754.6	1640.8	1514.4	1459.8	1463.3
10°	2825.0	2620.7	2251.5	1921.3	1737.8	1594.4	1474.4	1357.6	1229.3	1145.1	1122.0
12.5°	2653.7	2418.7	1993.2	1698.3	1528.3	1377.3	1248.0	1123.1	986.2	900.3	875.8
15°	2624.1	2368.7	1896.3	1555.6	1342.6	1151.6	998.9	859.7	718.6	648.9	634.4
17.5°	2752.5	2458.2	1864.9	1428.4	1167.9	932.2	744.7	589.1	474.1	439.4	436.5
20°	2998.5	2630.0	1860.9	1308.9	995.5	719.2	518.9	405.7	355.2	345.4	346.0
22.5°	3343.9	2896.4	1910.8	1218.9	837.0	536.4	390.0	339.6	319.8	310.6	310.6
25°	3790.7	3263.1	2025.6	1153.3	699.4	428.4	344.1	314.0	295.4	289.1	290.2
27.5°	4223.9	3620.2	2159.2	1101.7	609.4	388.9	326.2	299.0	282.7	276.3	279.1
30°	4561.6	3937.0	2270.6	1031.4	563.6	377.8	332.5	304.8	281.6	271.6	272.3
32.5°	4841.4	4214.5	2364.2	980.9	523.0	323.9	286.7	274.6	271.6	260.0	254.2
35°	5198.9	4516.9	2426.7	982.1	503.8	289.1	255.3	234.0	218.2	204.9	204.9
37.5°	5618.0	4864.0	2493.6	995.5	496.8	268.8	244.4	222.9	208.3	195.6	193.3
40°	6032.4	5204.1	2554.5	1008.3	492.8	256.5	235.7	215.9	202.5	189.8	186.3
42.5°	6384.8	5483.9	2609.0	1014.6	478.9	255.3	229.2	211.3	198.6	184.5	181.1
45°	6645.3	5718.4	2667.7	1024.5	464.9	260.0	229.2	210.7	195.0	181.7	178.2
47.5°	6878.1	5993.5	2765.8	1024.5	448.1	251.3	236.8	211.3	194.5	180.5	177.6
50°	7189.8	6370.8	2951.5	1000.7	424.3	242.0	249.5	208.9	189.2	178.2	174.7
52.5°	7619.3	6854.3	3246.3	959.4	387.8	224.1	247.8	207.8	184.0	172.4	168.4
55°	8127.2	7372.0	3568.0	911.3	333.1	211.3	239.2	204.9	178.2	165.4	161.3
57.5°	8523.7	7728.5	3794.2	837.0	285.6	204.4	211.9	202.0	171.2	157.9	154.4
60°	8681.5	7714.6	3856.5	737.7	262.3	198.6	185.2	226.3	165.4	152.1	148.0
62.5°	8596.2	7358.2	3682.2	668.1	257.1	190.9	173.5	209.6	160.8	148.0	142.2
65°	8202.1	6726.6	3220.9	649.5	272.3	183.4	166.0	164.2	154.4	142.2	136.3
67.5°	7343.7	5782.9	2578.8	651.3	291.4	175.9	158.4	150.3	145.7	135.8	130.6
70°	5981.4	4572.1	1922.4	655.9	301.2	167.1	150.3	141.6	136.3	126.5	123.0
72.5°	4397.9	3523.8	1396.6	625.7	302.9	157.4	139.3	131.7	126.5	116.1	113.2
75°	3009.0	2695.5	968.7	518.3	264.1	143.3	127.1	120.1	116.7	103.9	102.1
77.5°	2198.1	2023.4	619.9	384.8	203.8	125.9	112.0	106.7	104.5	90.5	88.2
80°	1763.9	1600.8	387.8	263.6	149.1	105.7	94.1	91.1	88.8	74.9	73.1
82.5°	1223.6	1072.1	249.0	171.2	112.0	81.8	74.3	73.1	69.6	57.0	55.1
85°	645.4	582.2	157.9	116.7	81.3	56.3	51.7	51.7	49.9	37.7	36.6
87.5°	82.4	134.1	80.1	60.9	44.7	24.9	24.9	24.4	26.1	21.6	18.6
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4
2.5°	2883.1	2910.8	2884.1	2885.9	2915.5	3003.7	3043.8	3076.8	3112.2	3135.5	3145.9
5°	2089.6	2154.6	2176.7	2223.1	2291.5	2404.1	2448.8	2481.4	2502.8	2515.5	2520.8
7.5°	1429.0	1468.5	1512.5	1587.4	1736.6	1802.8	1832.4	1824.8	1800.5	1791.8	1783.1
10°	1077.3	1061.6	1053.5	1094.7	1215.4	1282.1	1303.0	1282.7	1269.4	1272.4	1286.8
12.5°	834.6	807.4	774.3	769.6	849.2	908.9	922.2	923.5	947.9	969.3	1001.3
15°	608.2	605.4	589.1	579.3	624.5	673.2	679.1	689.5	711.6	727.2	755.1
17.5°	429.0	444.5	457.4	463.8	498.0	532.8	526.4	521.2	517.2	517.2	530.6
20°	346.0	356.4	372.7	391.2	426.0	450.3	434.8	413.9	398.8	394.1	395.8
22.5°	311.7	319.8	329.1	345.4	376.7	393.6	376.7	361.6	346.6	341.3	339.6
25°	294.2	304.8	313.5	325.6	348.9	360.4	344.1	333.1	323.9	317.5	312.8
27.5°	284.4	293.7	296.0	301.8	321.6	332.0	323.9	319.2	313.5	307.7	301.8
30°	273.9	272.3	268.1	268.8	284.4	294.9	294.2	295.4	294.9	293.2	291.9
32.5°	250.2	246.7	243.2	246.7	261.2	270.5	271.1	273.3	273.3	272.8	277.4
35°	208.3	214.8	218.8	229.2	246.7	254.8	251.3	245.5	235.1	228.7	228.2
37.5°	192.8	193.8	200.8	215.3	234.5	242.0	236.8	223.4	216.6	215.3	217.1
40°	185.2	186.3	190.3	203.8	222.9	230.4	225.8	215.9	209.6	208.9	211.9
42.5°	180.0	181.1	183.4	192.8	208.3	217.7	218.2	211.3	203.8	204.4	207.3
45°	177.0	177.6	177.0	181.7	196.2	207.3	211.9	207.3	200.8	202.0	205.5
47.5°	176.5	174.7	172.4	173.5	188.7	199.6	205.5	203.8	200.8	202.0	204.9
50°	174.2	170.1	167.1	166.6	181.7	193.3	198.6	198.6	199.6	202.0	204.9
52.5°	167.1	162.5	162.5	160.8	177.0	188.0	191.5	192.1	193.8	198.0	202.0
55°	158.4	156.7	158.4	155.5	173.5	184.0	185.7	187.0	188.0	191.5	197.3
57.5°	150.9	148.6	152.6	151.6	170.7	180.0	180.0	182.3	182.3	187.0	191.5
60°	146.9	142.2	143.9	145.1	166.6	176.5	175.3	177.6	178.7	182.8	186.3
62.5°	141.6	137.5	137.5	140.5	161.9	171.2	170.7	172.4	177.0	178.2	181.7
65°	135.3	133.6	131.7	135.3	157.4	165.4	166.0	168.4	172.4	173.5	176.5
67.5°	128.8	129.5	125.9	129.5	153.2	159.6	159.6	164.2	166.0	168.4	171.2
70°	122.0	122.5	119.5	123.7	150.3	153.2	152.6	159.1	160.2	161.9	164.9
72.5°	113.2	113.2	112.0	117.8	145.7	146.9	145.7	150.9	151.6	153.2	154.4
75°	103.9	103.9	102.7	110.9	142.8	139.9	136.3	140.5	141.6	142.8	142.8
77.5°	91.7	92.9	92.9	102.7	133.0	137.0	125.3	127.8	129.5	130.0	128.3
80°	76.6	79.5	80.7	93.4	111.5	126.5	112.0	113.7	114.4	114.4	112.0
82.5°	58.7	63.8	66.7	80.7	85.3	106.2	97.5	99.2	97.5	94.1	92.9
85°	40.7	47.6	51.1	61.5	64.5	81.8	81.3	81.3	77.8	73.1	72.5
87.5°	22.1	26.1	28.4	36.6	44.1	55.1	59.8	58.0	55.1	52.2	52.8
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°	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4
2.5°	3200.5	3279.4	3405.4	3501.8	3598.7	3692.1	3793.2	3870.3	3935.9	3961.4	4039.2
5°	2573.6	2672.3	2791.2	3006.0	3158.1	3325.9	3519.8	3776.3	3875.0	4011.4	4234.8
7.5°	1819.6	1909.1	2100.6	2274.1	2489.5	2726.9	2988.7	3342.7	3472.2	3691.0	4054.9
10°	1358.7	1462.7	1616.5	1762.8	1952.6	2195.2	2495.8	2891.8	3049.0	3286.4	3705.5
12.5°	1094.7	1217.1	1380.3	1517.8	1664.7	1835.9	2127.9	2562.0	2772.7	2980.5	3404.2
15°	841.1	969.3	1120.8	1295.5	1457.5	1642.0	1948.0	2422.8	2665.4	2881.8	3243.5
17.5°	582.2	691.8	882.9	1065.1	1272.4	1508.6	1898.1	2452.4	2742.0	2991.5	3271.3
20°	412.7	475.4	632.1	843.4	1101.7	1398.3	1888.8	2607.9	2984.6	3269.6	3450.1
22.5°	347.1	370.3	461.4	655.3	953.7	1315.8	1921.3	2826.1	3311.9	3675.9	3735.0
25°	316.3	330.3	377.8	514.3	821.8	1256.1	2030.9	3151.1	3717.1	4082.2	4071.8
27.5°	299.5	314.0	345.4	434.2	722.6	1218.9	2140.6	3536.6	4180.3	4523.4	4393.4
30°	294.2	314.0	347.1	409.1	651.8	1160.4	2230.6	3875.0	4536.7	4821.1	4539.6
32.5°	290.2	293.2	308.2	352.9	584.5	1091.8	2291.5	4178.5	4885.5	5104.4	4750.3
35°	234.5	249.0	273.3	316.3	544.9	1050.5	2291.5	4440.3	5229.1	5390.6	4951.1
37.5°	225.8	238.5	260.0	296.6	523.0	1030.4	2245.8	4692.8	5580.3	5715.0	5116.5
40°	221.1	231.6	252.0	281.6	513.7	1007.1	2178.9	4915.7	5923.3	6040.0	5270.8
42.5°	217.7	226.9	246.1	272.3	501.5	981.4	2125.0	5094.4	6221.1	6317.4	5418.3
45°	215.9	225.8	246.7	276.9	477.1	947.9	2106.9	5287.7	6466.0	6549.0	5577.9
47.5°	215.9	227.5	249.5	286.7	448.1	913.0	2163.3	5542.5	6697.6	6738.2	5766.0
50°	214.1	226.9	257.8	276.9	405.7	868.9	2295.6	5863.5	6948.4	6953.0	6004.1
52.5°	210.7	225.8	277.4	271.1	356.9	810.8	2474.4	6275.7	7319.3	7347.1	6376.6
55°	206.6	224.1	272.3	257.8	317.0	741.8	2620.7	6776.6	7840.5	7917.7	6924.6
57.5°	201.4	221.7	263.6	239.2	290.8	653.0	2673.5	7143.4	8204.4	8398.3	7542.1
60°	196.7	219.9	237.9	228.2	274.6	578.1	2571.3	7070.8	8179.4	8597.4	8089.4
62.5°	192.1	221.7	217.1	221.1	267.0	529.9	2304.3	6489.8	7765.6	8391.8	8495.2
65°	187.0	206.1	204.9	215.3	265.3	510.8	1910.2	5618.5	6965.8	7742.4	8590.9
67.5°	180.0	190.3	196.2	207.8	271.1	494.0	1541.6	4634.8	5854.2	6769.0	8091.8
70°	172.4	181.1	187.5	198.6	267.5	486.4	1282.1	3654.9	4645.1	5547.7	7106.8
72.5°	162.5	170.1	175.9	186.3	264.1	482.4	1083.1	2943.3	3468.1	4121.0	5778.1
75°	150.9	157.9	161.9	172.4	253.1	441.7	851.4	2490.7	2595.1	2866.8	4602.2
77.5°	137.5	142.8	146.3	157.9	224.1	367.4	615.7	1921.3	2015.3	2081.4	3528.4
80°	122.0	127.1	128.8	139.9	185.7	287.4	401.6	1419.2	1507.3	1522.5	2304.3
82.5°	103.9	109.2	109.2	119.5	152.1	206.6	263.6	972.2	989.7	1040.7	1628.7
85°	83.6	87.6	87.6	92.9	117.8	154.4	181.1	488.2	482.9	551.4	1411.1
87.5°	59.8	62.8	65.5	66.7	84.1	102.1	109.2	148.6	98.2	112.6	906.1
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):**

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4
2.5°	4097.9	4131.0	4097.2	4072.8	3967.9	3881.3	3765.8	3706.6
5°	4404.9	4489.0	4460.6	4358.5	4139.1	3892.4	3612.0	3485.5
7.5°	4367.7	4563.3	4568.0	4377.0	4053.7	3690.3	3310.8	3130.9
10°	4078.6	4328.9	4400.3	4215.1	3872.0	3465.8	3030.5	2825.0
12.5°	3756.0	4001.0	4055.4	3991.7	3704.9	3296.9	2855.2	2653.7
15°	3491.9	3601.6	3666.6	3722.4	3561.6	3229.4	2845.3	2624.1
17.5°	3331.1	3318.9	3337.5	3434.4	3461.7	3306.7	2996.2	2752.5
20°	3273.1	3086.8	3082.1	3215.6	3414.7	3490.8	3291.0	2998.5
22.5°	3305.0	3003.2	2964.9	3123.2	3439.6	3756.0	3677.6	3343.9
25°	3415.2	3010.1	2979.4	3132.6	3530.1	4038.7	4094.9	3790.7
27.5°	3588.8	3054.3	3013.6	3170.9	3650.4	4276.1	4505.9	4223.9
30°	3753.6	3130.9	3080.3	3246.3	3760.0	4370.1	4757.8	4561.6
32.5°	3953.9	3274.2	3185.5	3385.1	3895.8	4519.8	4982.4	4841.4
35°	4150.1	3478.5	3368.3	3599.2	4047.4	4706.2	5239.0	5198.9
37.5°	4365.5	3745.5	3654.4	3876.1	4254.5	4882.0	5566.3	5618.0
40°	4595.3	4099.6	3991.7	4280.1	4576.1	5102.6	5908.2	6032.4
42.5°	4826.8	4492.5	4363.7	4656.2	4929.6	5320.3	6200.8	6384.8
45°	5092.1	4919.2	4858.2	5174.5	5269.1	5527.4	6416.7	6645.3
47.5°	5400.9	5403.2	5501.3	5627.8	5611.7	5761.9	6633.7	6878.1
50°	5761.3	6007.5	6224.0	6308.1	5964.6	6013.8	6935.0	7189.8
52.5°	6194.4	6730.2	6998.3	6943.1	6344.6	6321.5	7412.1	7619.3
55°	6736.0	7495.0	7761.6	7722.1	6781.7	6740.5	8006.5	8127.2
57.5°	7362.8	8236.3	8481.2	8303.7	7306.5	7200.3	8498.0	8523.7
60°	7913.6	8823.8	9038.5	8841.7	7835.8	7689.5	8805.2	8681.5
62.5°	8220.1	9022.8	9173.7	8961.9	8198.6	8210.9	8872.5	8596.2
65°	8083.1	8519.6	8568.3	8550.9	8105.2	8513.2	8630.5	8202.1
67.5°	7333.2	7247.2	7329.1	7442.3	7304.2	8115.0	7960.1	7343.7
70°	6012.1	5540.2	5703.4	5779.4	5842.1	6983.2	6908.9	5981.4
72.5°	4530.9	3881.3	4010.3	3994.5	4284.7	5601.1	5373.1	4397.9
75°	3210.4	2631.7	2647.9	2641.6	2989.8	4382.3	3890.6	3009.0
77.5°	2246.3	1906.7	1915.5	1951.4	2010.1	3305.0	2779.7	2198.1
80°	1544.5	1447.0	1495.2	1498.1	1393.0	2220.1	2053.5	1763.9
82.5°	1150.4	1005.8	994.3	1011.0	1091.8	1798.7	1578.1	1223.6
85°	942.1	595.6	478.9	600.2	967.6	1781.4	1048.3	645.4
87.5°	530.6	282.7	127.8	236.8	386.0	1179.5	302.9	82.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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