

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: P200005

Luminaire Tested: **GPC-AF-01-LED-E1-SLR-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200005
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-01-LED-E1-SLR-7030-800
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4367.1 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

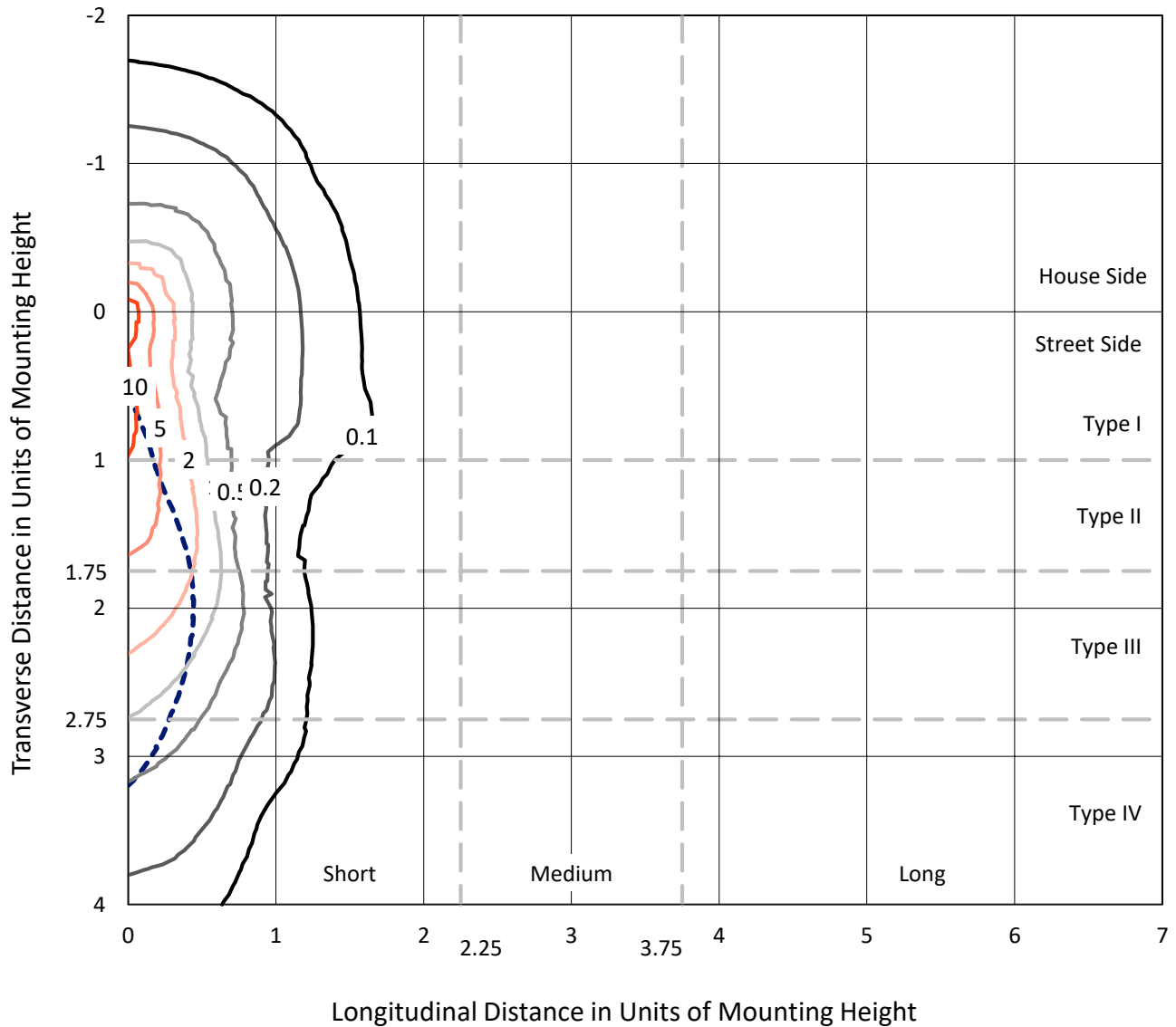
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

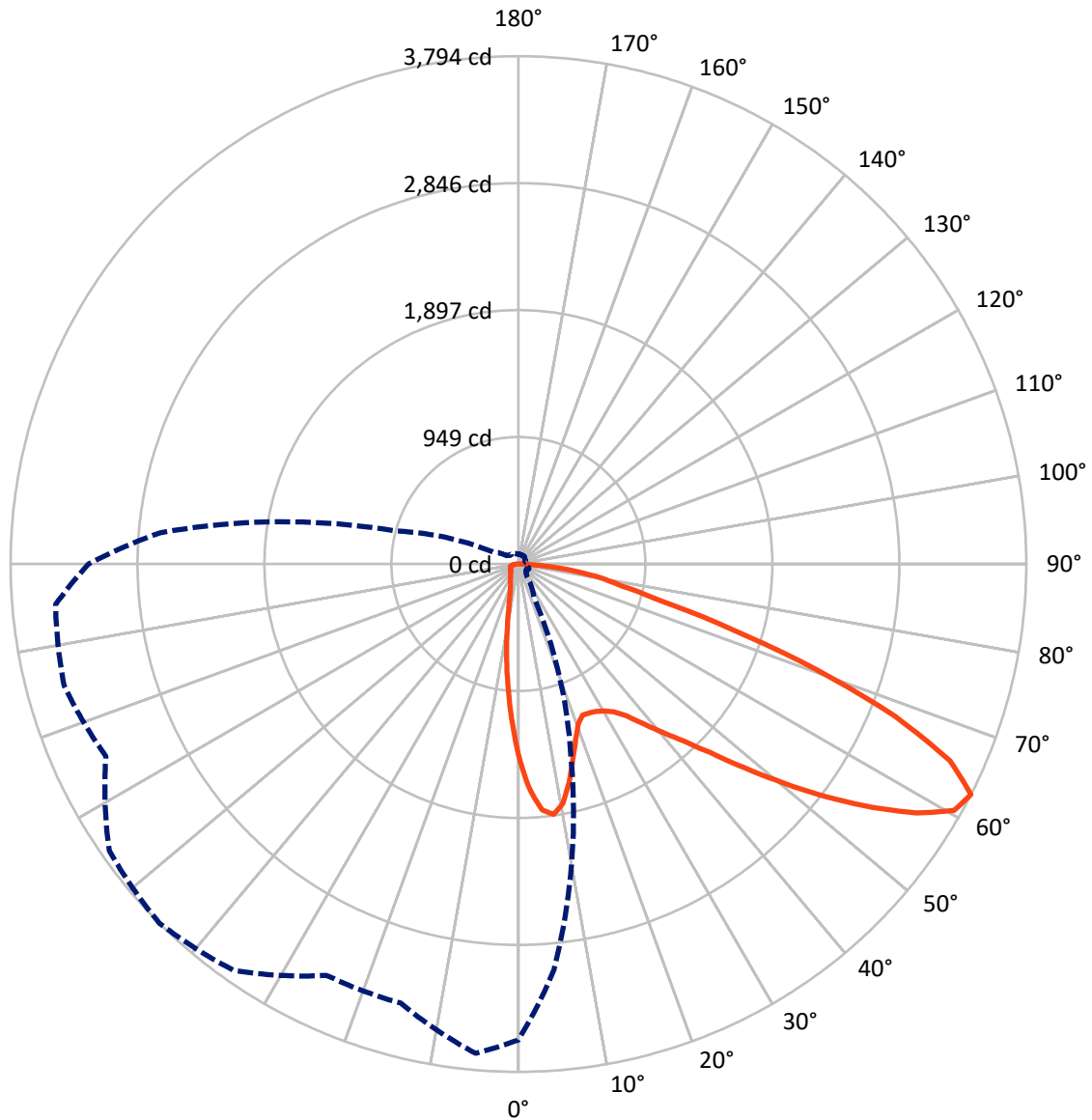
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.8 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
House Side	Lumens	722.7	0.0	722.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3644.4	0.0	3644.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	4367.1	0.0	4367.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	2.5
10°-20°	197.0	4.5
20°-30°	287.2	6.6
30°-40°	442.3	10.1
40°-50°	650.9	14.9
50°-60°	954.7	21.9
60°-70°	1067.2	24.4
70°-80°	522.5	12.0
80°-90°	138.0	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°	4367.1	100.0
0°-180°	4367.1	100.0



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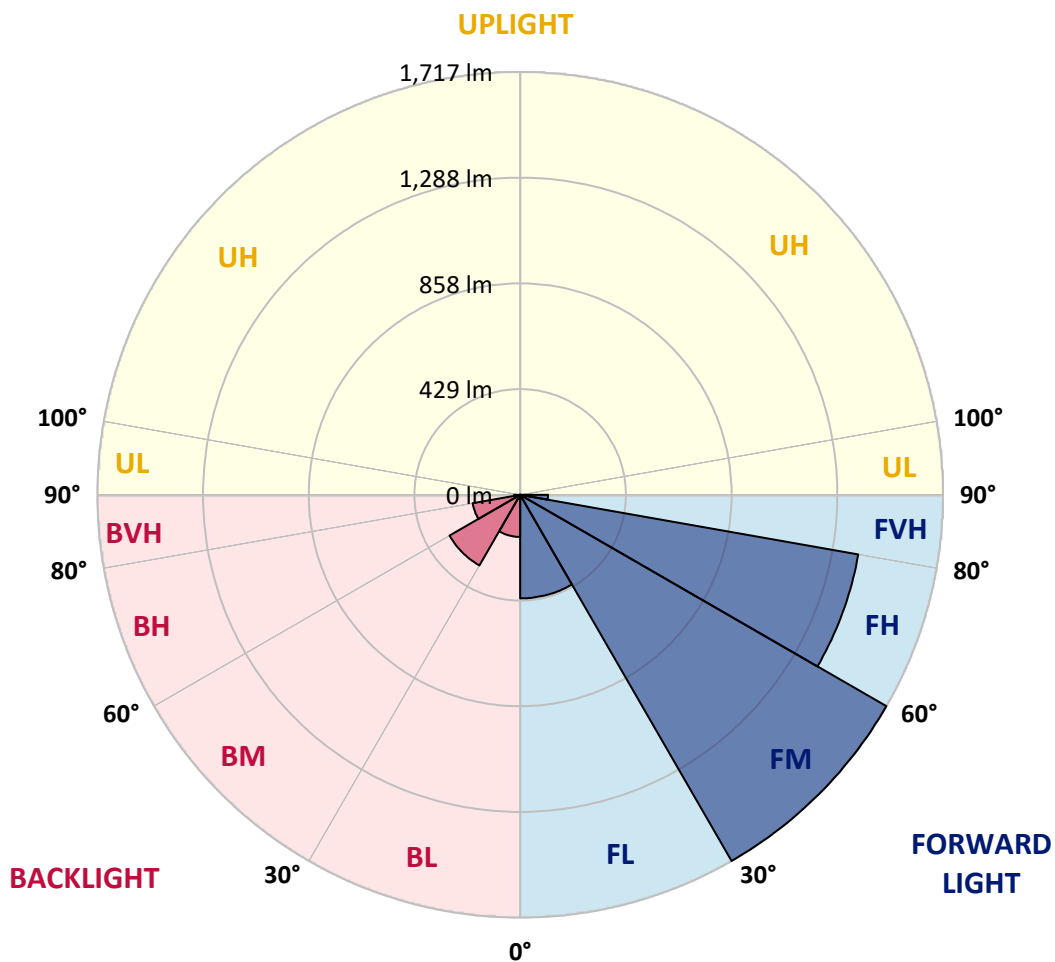
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.5	9.6			
FM (30°-60°)	1716.7	39.3			
FH (60°-80°)	1393.8	31.9			G1/1800
FVH (80°-90°)	113.3	2.6			G2/225
BL (0°-30°)	171.0	3.9	B1/500		
BM (30°-60°)	331.1	7.6	B1/1000		
BH (60°-80°)	195.9	4.5	B1/500		G1/500
BVH (80°-90°)	24.7	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4
2.5°	1533.0	1501.9	1450.0	1396.0	1363.1	1324.7	1294.7	1268.3	1215.4	1205.1	1214.5
5°	1441.5	1379.0	1281.2	1182.8	1117.2	1046.9	992.2	948.3	881.2	869.4	883.7
7.5°	1294.9	1220.0	1090.9	965.3	872.7	784.8	725.7	678.6	626.4	603.7	605.2
10°	1168.4	1083.9	931.2	794.7	718.7	659.5	609.7	561.5	508.5	473.6	464.1
12.5°	1097.6	1000.4	824.4	702.4	632.1	569.7	516.1	464.6	407.9	372.3	362.3
15°	1085.4	979.7	784.3	643.4	555.2	476.3	413.1	355.5	297.1	268.3	262.4
17.5°	1138.4	1016.6	771.4	590.8	483.0	385.5	308.0	243.6	196.1	181.7	180.5
20°	1240.2	1087.7	769.6	541.4	411.7	297.4	214.5	167.8	147.0	142.8	143.1
22.5°	1383.0	1197.9	790.3	504.1	346.2	221.8	161.3	140.4	132.3	128.5	128.5
25°	1567.9	1349.7	837.8	477.0	289.3	177.2	142.4	129.9	122.2	119.5	120.0
27.5°	1746.9	1497.3	893.0	455.6	252.1	160.8	134.9	123.7	116.9	114.2	115.5
30°	1886.7	1628.4	939.1	426.5	233.0	156.2	137.5	126.0	116.5	112.3	112.5
32.5°	2002.4	1743.1	977.8	405.7	216.4	134.0	118.5	113.5	112.3	107.5	105.1
35°	2150.2	1868.3	1003.8	406.2	208.3	119.5	105.7	96.7	90.2	84.7	84.7
37.5°	2323.6	2011.8	1031.3	411.7	205.5	111.1	101.1	92.3	86.2	80.9	80.0
40°	2495.1	2152.4	1056.5	417.1	203.8	106.1	97.5	89.3	83.8	78.4	77.0
42.5°	2640.7	2268.1	1079.1	419.7	198.1	105.7	94.8	87.4	82.1	76.4	75.0
45°	2748.5	2365.1	1103.3	423.7	192.3	107.5	94.8	87.2	80.7	75.2	73.8
47.5°	2844.8	2478.9	1144.0	423.7	185.3	103.9	97.9	87.4	80.5	74.7	73.4
50°	2973.7	2635.0	1220.8	413.9	175.5	100.1	103.2	86.5	78.2	73.8	72.2
52.5°	3151.4	2835.0	1342.7	396.8	160.4	92.7	102.4	86.0	76.2	71.3	69.6
55°	3361.4	3049.1	1475.6	377.0	137.7	87.4	98.9	84.7	73.8	68.4	66.7
57.5°	3525.4	3196.5	1569.3	346.2	118.1	84.4	87.6	83.6	70.8	65.3	63.8
60°	3590.7	3190.7	1594.9	305.2	108.5	82.1	76.6	93.6	68.4	63.0	61.1
62.5°	3555.4	3043.3	1523.0	276.3	106.3	79.0	71.8	86.7	66.5	61.1	58.8
65°	3392.4	2782.1	1332.1	268.7	112.5	75.8	68.7	68.0	63.8	58.8	56.4
67.5°	3037.3	2391.8	1066.6	269.4	120.5	72.7	65.5	62.2	60.2	56.2	54.0
70°	2473.8	1891.0	795.1	271.3	124.5	69.2	62.2	58.6	56.4	52.3	51.0
72.5°	1818.9	1457.4	577.6	258.8	125.3	65.0	57.6	54.5	52.3	48.0	46.8
75°	1244.5	1114.9	400.7	214.3	109.3	59.3	52.6	49.7	48.3	42.9	42.3
77.5°	909.1	836.8	256.4	159.2	84.2	52.1	46.3	44.1	43.1	37.4	36.5
80°	729.6	662.1	160.4	109.0	61.7	43.7	38.9	37.7	36.7	30.9	30.3
82.5°	506.1	443.4	103.0	70.8	46.3	33.9	30.7	30.3	28.9	23.5	22.8
85°	266.9	240.8	65.3	48.3	33.7	23.3	21.5	21.5	20.6	15.7	15.1
87.5°	34.1	55.5	33.1	25.2	18.5	10.3	10.3	10.1	10.8	8.8	7.6
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°	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4
2.5°	1192.4	1203.9	1192.9	1193.6	1205.9	1242.4	1258.8	1272.6	1287.2	1296.8	1301.2
5°	864.2	891.1	900.3	919.4	947.9	994.4	1012.9	1026.3	1035.1	1040.4	1042.6
7.5°	591.1	607.4	625.6	656.5	718.3	745.7	757.9	754.8	744.7	741.1	737.5
10°	445.6	439.1	435.7	452.8	502.7	530.4	538.9	530.6	525.0	526.2	532.2
12.5°	345.3	333.9	320.2	318.3	351.3	376.0	381.5	382.0	392.0	400.9	414.1
15°	251.7	250.4	243.6	239.6	258.3	278.5	280.9	285.1	294.4	300.8	312.4
17.5°	177.4	183.9	189.1	191.9	206.0	220.3	217.8	215.6	213.9	213.9	219.4
20°	143.1	147.4	154.2	161.8	176.2	186.3	179.8	171.2	164.9	163.1	163.7
22.5°	128.9	132.3	136.1	142.8	155.8	162.8	155.8	149.5	143.3	141.2	140.4
25°	121.8	126.0	129.6	134.7	144.3	149.0	142.4	137.7	134.0	131.3	129.4
27.5°	117.7	121.5	122.5	124.9	133.0	137.3	134.0	131.9	129.6	127.3	124.9
30°	113.3	112.5	110.9	111.1	117.7	122.0	121.8	122.2	122.0	121.3	120.7
32.5°	103.5	102.0	100.6	102.0	108.0	111.9	112.1	113.1	113.1	112.9	114.7
35°	86.2	88.8	90.4	94.8	102.0	105.4	103.9	101.5	97.2	94.6	94.4
37.5°	79.6	80.2	83.0	89.0	97.0	100.1	97.9	92.5	89.6	89.0	89.8
40°	76.6	77.0	78.7	84.2	92.3	95.3	93.4	89.3	86.7	86.5	87.6
42.5°	74.4	75.0	75.8	79.6	86.2	90.0	90.2	87.4	84.2	84.4	85.7
45°	73.2	73.4	73.2	75.2	81.2	85.7	87.6	85.7	83.0	83.6	85.0
47.5°	72.9	72.2	71.3	71.8	78.0	82.6	85.0	84.2	83.0	83.6	84.7
50°	72.0	70.4	69.2	69.0	75.2	80.0	82.1	82.1	82.6	83.6	84.7
52.5°	69.2	67.2	67.2	66.5	73.2	77.8	79.2	79.4	80.2	81.8	83.6
55°	65.5	64.8	65.5	64.4	71.8	76.2	76.8	77.2	77.8	79.2	81.6
57.5°	62.4	61.4	63.2	62.6	70.6	74.4	74.4	75.4	75.4	77.2	79.2
60°	60.7	58.8	59.5	60.0	69.0	72.9	72.5	73.4	74.0	75.6	77.0
62.5°	58.6	57.0	57.0	58.1	66.9	70.8	70.6	71.3	73.2	73.8	75.2
65°	55.9	55.1	54.5	55.9	65.0	68.4	68.7	69.6	71.3	71.8	72.9
67.5°	53.3	53.5	52.1	53.5	63.4	66.0	66.0	68.0	68.7	69.6	70.8
70°	50.4	50.7	49.5	51.2	62.2	63.4	63.2	65.8	66.2	66.9	68.2
72.5°	46.8	46.8	46.3	48.7	60.2	60.7	60.2	62.4	62.6	63.4	63.8
75°	42.9	42.9	42.5	45.9	59.1	57.9	56.4	58.1	58.6	59.1	59.1
77.5°	37.9	38.5	38.5	42.5	54.9	56.7	51.9	52.8	53.5	53.7	53.1
80°	31.6	32.9	33.4	38.7	46.1	52.3	46.3	47.1	47.3	47.3	46.3
82.5°	24.2	26.4	27.7	33.4	35.3	43.9	40.3	41.1	40.3	38.9	38.5
85°	16.8	19.6	21.1	25.4	26.7	33.9	33.7	33.7	32.1	30.3	30.0
87.5°	9.1	10.8	11.8	15.1	18.2	22.8	24.7	24.0	22.8	21.7	21.9
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4
2.5°	1323.6	1356.4	1408.5	1448.3	1488.4	1527.0	1568.9	1600.7	1627.9	1638.5	1670.6
5°	1064.4	1105.2	1154.5	1243.3	1306.2	1375.6	1455.8	1561.9	1602.8	1659.1	1751.5
7.5°	752.6	789.6	868.8	940.6	1029.7	1127.8	1236.0	1382.5	1436.1	1526.6	1677.1
10°	562.0	605.0	668.5	729.1	807.5	908.0	1032.3	1196.0	1261.1	1359.3	1532.6
12.5°	452.8	503.4	570.9	627.8	688.6	759.4	880.1	1059.6	1146.7	1232.8	1408.1
15°	347.9	400.9	463.6	535.8	602.8	679.1	805.7	1002.0	1102.4	1191.9	1341.4
17.5°	240.8	286.2	365.2	440.6	526.2	624.0	785.0	1014.3	1134.1	1237.3	1352.9
20°	170.7	196.6	261.4	348.9	455.6	578.3	781.2	1078.6	1234.4	1352.3	1426.9
22.5°	143.5	153.2	190.8	271.1	394.4	544.2	794.7	1168.8	1369.8	1520.4	1544.8
25°	130.8	136.6	156.2	212.7	339.9	519.5	839.9	1303.4	1537.4	1688.4	1684.0
27.5°	123.9	129.9	142.8	179.6	299.0	504.1	885.3	1462.8	1728.9	1870.8	1817.1
30°	121.8	129.9	143.5	169.3	269.6	479.8	922.5	1602.8	1876.3	1994.0	1877.5
32.5°	120.0	121.3	127.5	146.0	241.8	451.6	947.9	1728.3	2020.6	2111.1	1964.7
35°	97.0	103.0	113.1	130.8	225.4	434.6	947.9	1836.5	2162.8	2229.4	2047.7
37.5°	93.4	98.7	107.5	122.7	216.4	426.1	928.8	1940.9	2308.0	2363.8	2116.2
40°	91.4	95.8	104.3	116.5	212.5	416.5	901.2	2033.1	2449.8	2498.1	2180.0
42.5°	90.0	93.9	101.8	112.5	207.4	405.9	878.9	2107.1	2573.0	2612.8	2241.0
45°	89.3	93.4	102.0	114.5	197.3	392.0	871.5	2187.1	2674.3	2708.6	2307.0
47.5°	89.3	94.1	103.2	118.5	185.3	377.6	894.8	2292.4	2770.2	2786.8	2384.8
50°	88.6	93.9	106.6	114.5	167.8	359.4	949.5	2425.1	2873.8	2875.7	2483.3
52.5°	87.2	93.4	114.7	112.1	147.6	335.3	1023.4	2595.6	3027.2	3038.7	2637.3
55°	85.4	92.7	112.5	106.6	131.1	306.8	1083.9	2802.7	3242.9	3274.7	2864.0
57.5°	83.2	91.7	109.0	98.9	120.3	270.1	1105.7	2954.5	3393.3	3473.5	3119.4
60°	81.4	91.0	98.5	94.4	113.5	239.1	1063.5	2924.5	3383.0	3555.9	3345.7
62.5°	79.4	91.7	89.8	91.4	110.5	219.2	953.1	2684.2	3211.7	3470.8	3513.6
65°	77.2	85.2	84.7	89.0	109.7	211.3	790.1	2323.8	2881.0	3202.3	3553.2
67.5°	74.4	78.7	81.2	86.0	112.1	204.4	637.6	1917.0	2421.3	2799.7	3346.7
70°	71.3	75.0	77.6	82.1	110.7	201.1	530.4	1511.7	1921.3	2294.6	2939.4
72.5°	67.2	70.4	72.7	77.0	109.3	199.5	448.0	1217.3	1434.3	1704.5	2389.8
75°	62.4	65.3	66.9	71.3	104.7	182.7	352.2	1030.1	1073.4	1185.7	1903.6
77.5°	57.0	59.1	60.5	65.3	92.7	152.0	254.7	794.7	833.5	860.9	1459.3
80°	50.4	52.6	53.3	57.9	76.8	118.9	166.1	586.9	623.5	629.7	953.1
82.5°	42.9	45.2	45.2	49.5	63.0	85.4	109.0	402.1	409.2	430.5	673.6
85°	34.5	36.3	36.3	38.5	48.7	63.8	75.0	201.9	199.7	228.1	583.6
87.5°	24.7	25.9	27.1	27.7	34.9	42.3	45.2	61.4	40.5	46.6	374.8
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4	1475.4
2.5°	1694.8	1708.6	1694.6	1684.6	1641.1	1605.3	1557.5	1533.0
5°	1821.9	1856.7	1845.0	1802.7	1711.9	1609.8	1493.9	1441.5
7.5°	1806.5	1887.4	1889.3	1810.3	1676.6	1526.4	1369.3	1294.9
10°	1687.0	1790.4	1819.9	1743.3	1601.5	1433.5	1253.4	1168.4
12.5°	1553.4	1654.7	1677.3	1650.9	1532.4	1363.5	1180.9	1097.6
15°	1444.2	1489.6	1516.5	1539.6	1473.1	1335.7	1176.8	1085.4
17.5°	1377.8	1372.8	1380.4	1420.5	1431.8	1367.6	1239.2	1138.4
20°	1353.7	1276.7	1274.7	1330.0	1412.2	1443.8	1361.2	1240.2
22.5°	1367.0	1242.1	1226.2	1291.8	1422.7	1553.4	1521.0	1383.0
25°	1412.5	1245.0	1232.2	1295.6	1460.0	1670.3	1693.6	1567.9
27.5°	1484.3	1263.2	1246.4	1311.4	1509.8	1768.6	1863.6	1746.9
30°	1552.5	1294.9	1274.1	1342.7	1555.1	1807.4	1967.8	1886.7
32.5°	1635.3	1354.2	1317.4	1400.0	1611.3	1869.4	2060.7	2002.4
35°	1716.5	1438.7	1393.0	1488.6	1674.0	1946.5	2166.8	2150.2
37.5°	1805.5	1549.2	1511.5	1603.2	1759.7	2019.2	2302.2	2323.6
40°	1900.6	1695.6	1650.9	1770.2	1892.7	2110.5	2443.6	2495.1
42.5°	1996.3	1858.1	1804.9	1925.8	2038.9	2200.5	2564.7	2640.7
45°	2106.1	2034.5	2009.4	2140.2	2179.2	2286.1	2653.9	2748.5
47.5°	2233.8	2234.8	2275.4	2327.7	2321.0	2383.2	2743.7	2844.8
50°	2382.8	2484.7	2574.2	2609.0	2466.8	2487.3	2868.3	2973.7
52.5°	2562.0	2783.6	2894.5	2871.7	2624.2	2614.6	3065.6	3151.4
55°	2786.0	3100.0	3210.1	3193.8	2804.9	2787.9	3311.4	3361.4
57.5°	3045.3	3406.4	3507.9	3434.3	3021.9	2978.0	3514.8	3525.4
60°	3273.1	3649.5	3738.3	3656.9	3240.8	3180.4	3641.8	3590.7
62.5°	3399.8	3731.9	3794.2	3706.6	3391.0	3396.0	3669.6	3555.4
65°	3343.2	3523.7	3543.9	3536.6	3352.3	3521.0	3569.5	3392.4
67.5°	3032.9	2997.4	3031.3	3078.2	3021.0	3356.3	3292.2	3037.3
70°	2486.6	2291.3	2358.9	2390.4	2416.3	2888.3	2857.4	2473.8
72.5°	1873.9	1605.3	1658.5	1652.1	1772.1	2316.7	2222.4	1818.9
75°	1327.8	1088.4	1095.3	1092.5	1236.6	1812.5	1609.2	1244.5
77.5°	929.0	788.7	792.2	807.1	831.4	1367.0	1149.6	909.1
80°	638.8	598.5	618.4	619.6	576.2	918.3	849.4	729.6
82.5°	475.9	416.1	411.3	418.3	451.6	743.9	652.8	506.1
85°	389.6	246.3	198.1	248.2	400.2	736.7	433.5	266.9
87.5°	219.4	116.9	52.8	97.9	159.6	487.9	125.3	34.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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