

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: P526833

Luminaire Tested: **GALN-SA1D-740-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526833  
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: McGRAW-EDISON  
Catalog Number: GALN-SA1D-740-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

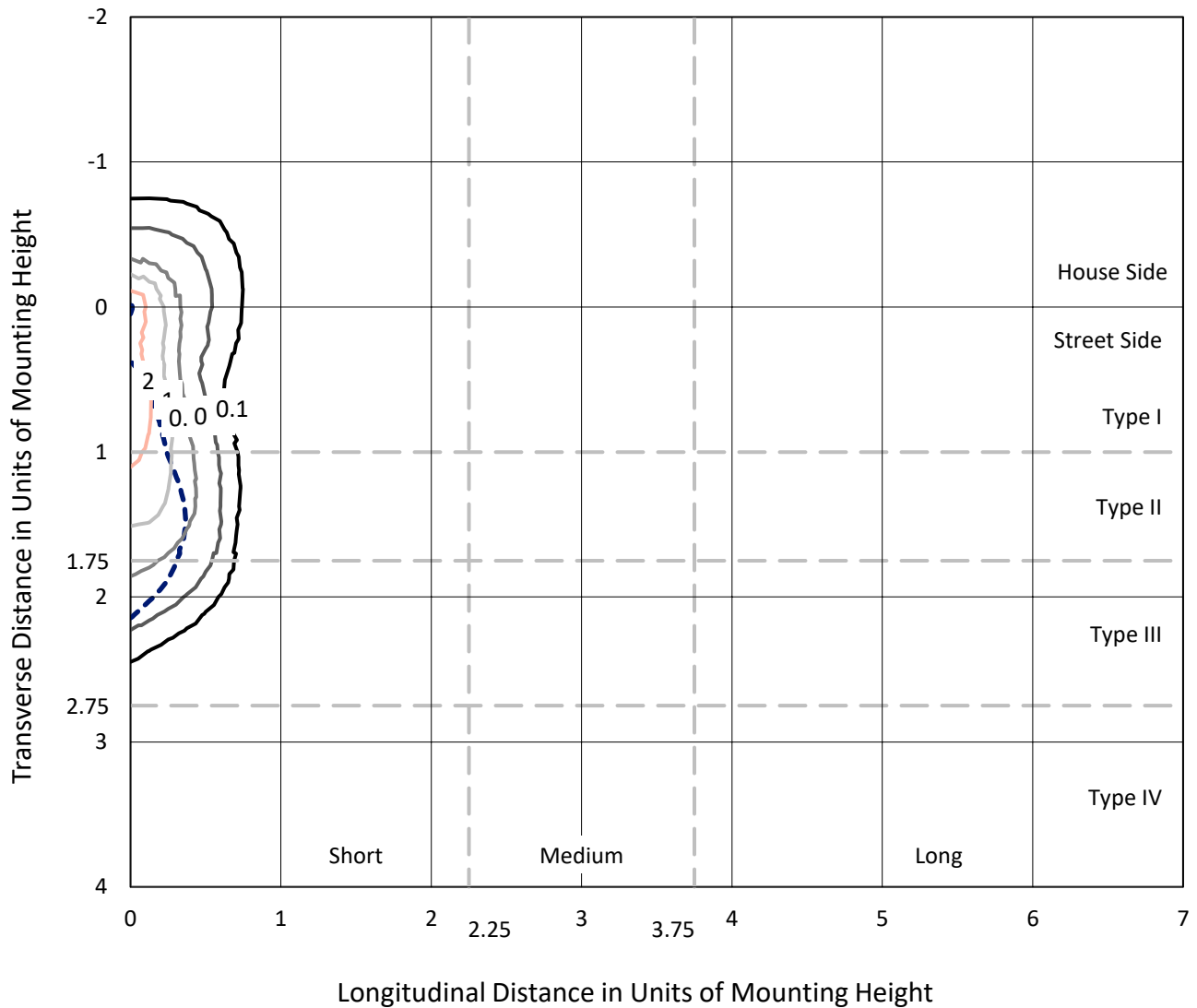
Lumens per Lamp: N/A  
Luminaire Lumens: 4327 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

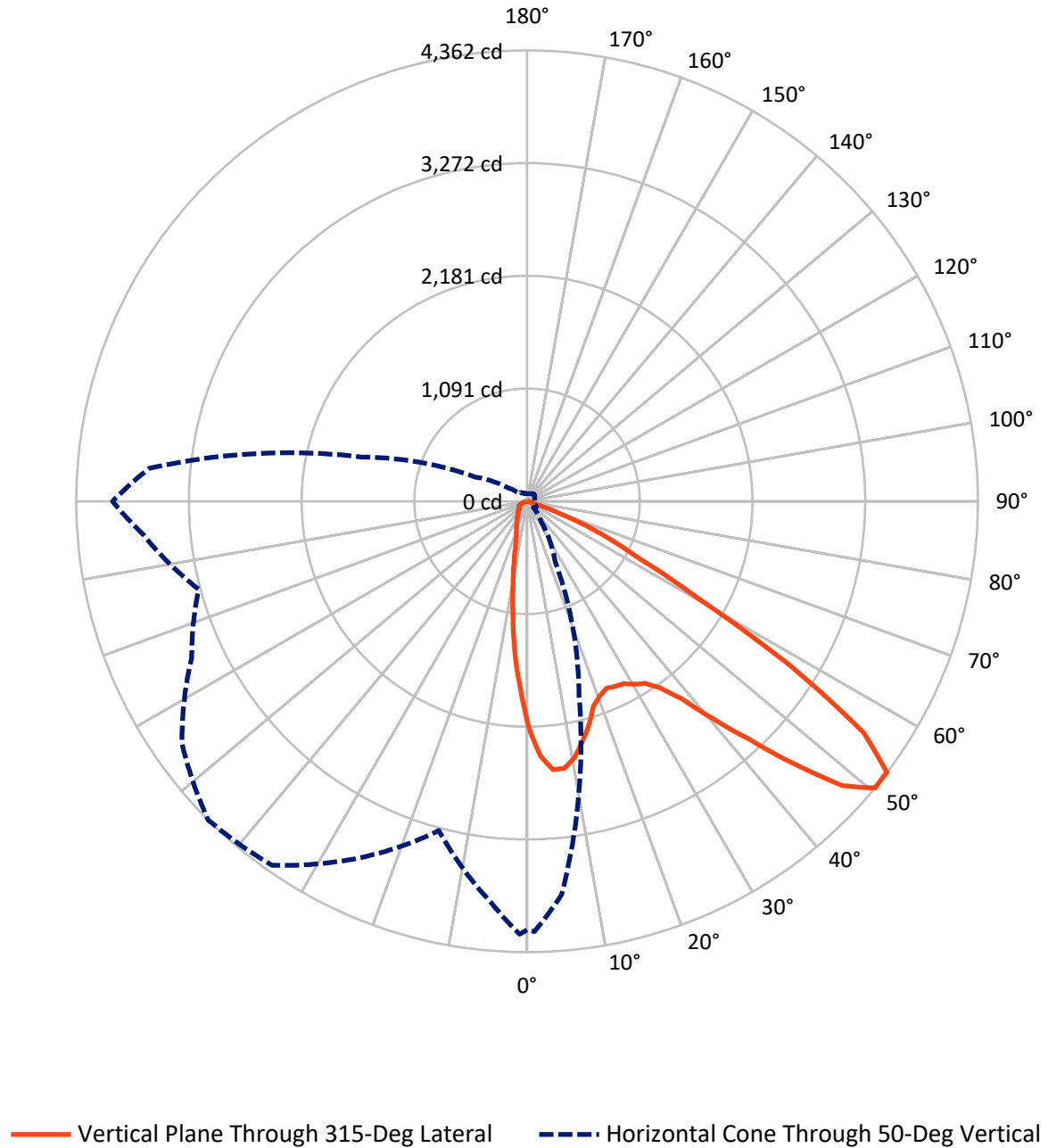
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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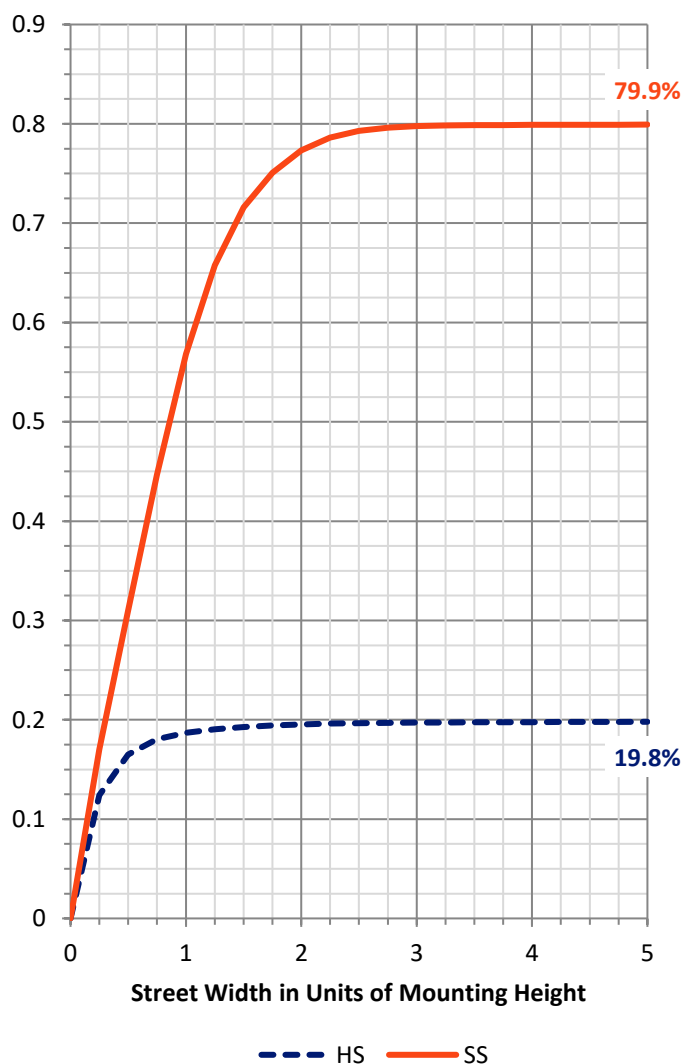
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	866.7	0.0	866.7
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	3460.3	0.0	3460.3
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	4327.0	0.0	4327.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.9	3.7
10°-20°	317.9	7.3
20°-30°	477.6	11.0
30°-40°	716.8	16.6
40°-50°	1007.4	23.3
50°-60°	1086.7	25.1
60°-70°	504.5	11.7
70°-80°	47.5	1.1
80°-90°	8.8	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°	4327.0	100.0
0°-180°	4327.0	100.0

**Coefficient of Utilization**



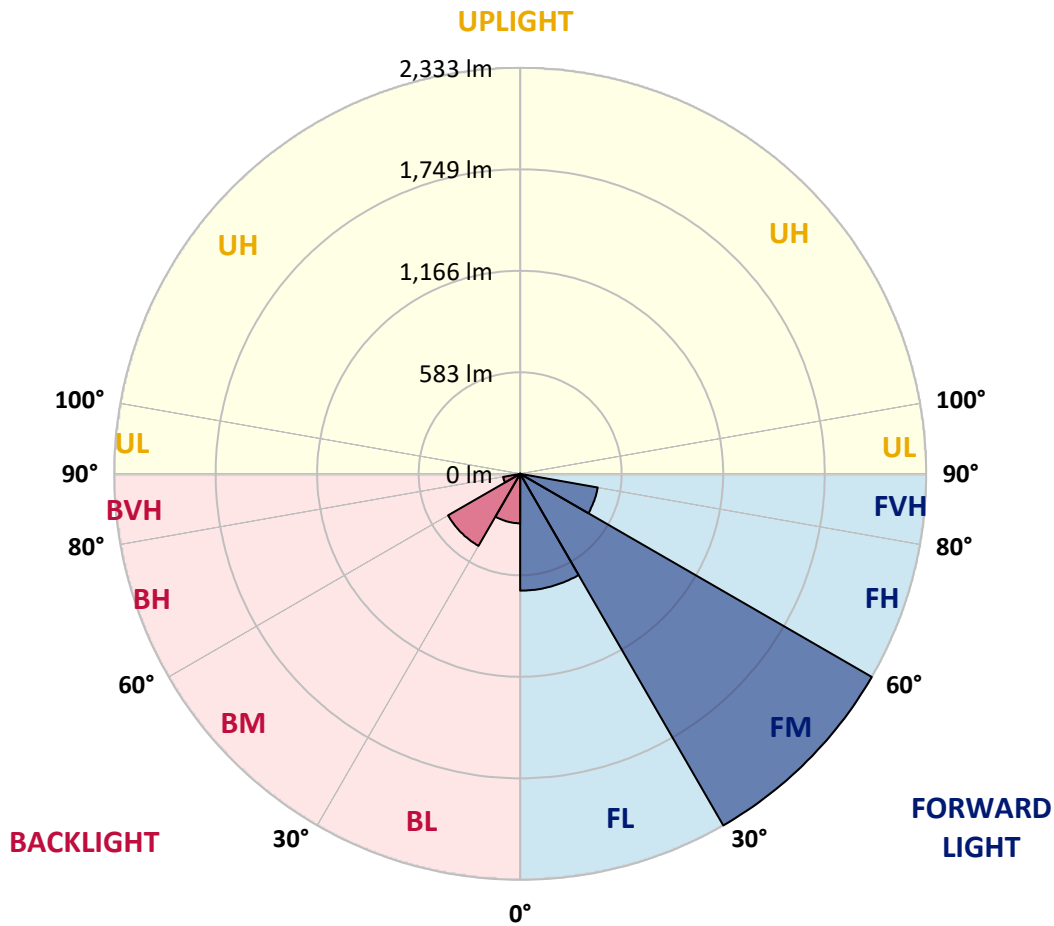
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	671.3	15.5			
FM (30°-60°)	2332.6	53.9			
FH (60°-80°)	452.5	10.5			G0/660
FVH (80°-90°)	3.9	0.1			G0/10
BL (0°-30°)	284.1	6.6	B1/500		
BM (30°-60°)	478.3	11.1	B1/1000		
BH (60°-80°)	99.5	2.3	B0/110		G0/110
BVH (80°-90°)	4.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3
2.5°	2281.0	2245.8	2201.2	2164.3	2109.3	1998.6	1968.5	1932.5	1902.4	1862.1	1805.4
5°	2074.1	2063.0	2042.4	1903.3	1802.9	1668.9	1559.0	1512.7	1451.7	1401.9	1365.9
7.5°	1916.2	1871.5	1806.3	1666.4	1505.8	1362.4	1240.5	1169.3	1088.6	1061.1	1012.2
10°	1747.1	1757.4	1661.2	1464.6	1270.6	1154.7	1079.1	1010.5	937.5	889.4	819.9
12.5°	1693.0	1659.5	1585.7	1342.7	1177.0	1068.8	977.0	892.0	814.7	737.5	670.5
15°	1728.2	1676.7	1573.6	1316.9	1104.9	970.1	855.1	740.0	668.8	570.0	500.5
17.5°	1854.4	1813.2	1674.9	1344.4	1068.0	875.7	704.8	586.4	477.3	388.0	352.8
20°	2064.7	2006.3	1832.9	1379.6	1013.0	761.5	571.8	425.8	322.8	285.0	265.3
22.5°	2270.7	2239.0	2020.1	1447.4	964.1	660.2	429.3	286.7	241.2	234.4	221.5
25°	2663.1	2567.8	2305.9	1570.2	926.3	564.9	323.7	230.9	204.3	199.2	200.9
27.5°	2896.6	2816.7	2570.4	1651.8	884.3	491.9	273.9	212.1	194.0	182.9	178.6
30°	3120.7	3027.9	2701.7	1699.8	794.1	414.7	243.0	203.5	199.2	182.9	177.7
32.5°	3293.2	3202.2	2891.4	1772.0	757.2	364.9	200.0	158.8	147.7	145.9	161.4
35°	3557.6	3460.6	3053.7	1811.4	728.9	339.1	173.4	141.7	128.8	123.6	124.5
37.5°	3804.0	3737.9	3203.9	1826.9	698.8	331.4	155.4	127.1	115.9	112.5	111.6
40°	4010.1	3862.4	3346.4	1843.2	685.9	316.8	144.2	115.9	108.2	103.0	103.0
42.5°	4104.5	3954.3	3506.1	1833.8	682.5	293.6	144.2	106.5	100.4	95.3	94.4
45°	4083.9	4022.9	3577.4	1829.5	682.5	270.4	131.4	103.9	95.3	88.4	86.7
47.5°	4137.1	4057.3	3666.7	1847.5	668.8	254.1	110.7	109.0	90.1	81.6	79.8
50°	4146.6	4162.0	3822.1	1941.1	638.7	233.5	86.7	107.3	86.7	73.8	72.1
52°	4208.4	4112.2	3869.3	1990.9	607.0	218.1	73.0	91.9	83.3	68.7	67.0
52.5°	4123.4	4186.1	3880.4	2008.9	610.4	207.8	70.4	90.1	81.6	68.7	64.4
55°	4028.1	4088.2	3834.9	2047.5	559.7	163.1	54.9	65.2	73.8	60.1	57.5
57.5°	3501.0	3561.9	3332.7	1875.0	455.9	115.0	45.5	48.9	65.2	55.8	53.2
60°	3112.1	3068.3	2797.0	1564.2	323.7	64.4	36.1	37.8	71.3	51.5	50.7
62.5°	2844.2	2750.6	2337.7	1207.9	197.5	42.9	28.3	29.2	54.9	48.1	48.1
65°	2104.2	1999.5	1553.0	730.6	97.0	30.0	21.5	23.2	34.3	41.2	41.2
67.5°	1201.0	1160.7	750.3	329.7	40.3	18.9	16.3	18.0	26.6	33.5	31.8
70°	552.0	495.4	288.5	69.5	18.9	12.9	12.9	14.6	21.5	24.9	23.2
72.5°	161.4	152.8	70.4	11.2	7.7	7.7	8.6	11.2	16.3	18.9	17.2
75°	12.0	7.7	5.2	3.4	3.4	5.2	6.9	11.2	16.3	18.0	14.6
77.5°	0.9	1.7	0.9	0.9	2.6	5.2	7.7	13.7	21.5	22.3	16.3
80°	0.9	0.9	0.0	0.9	2.6	5.2	8.6	15.5	24.0	25.8	13.7
82.5°	0.0	0.0	0.0	0.9	3.4	6.9	10.3	16.3	22.3	27.5	14.6
85°	0.0	0.0	0.0	0.9	5.2	9.4	12.0	4.3	2.6	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°	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3
2.5°	1845.8	1823.5	1814.9	1822.6	1820.0	1817.5	1864.7	1854.4	1852.7	1868.1	1864.7
5°	1385.6	1346.1	1454.3	1410.5	1456.0	1483.5	1488.6	1491.2	1523.0	1489.5	1533.3
7.5°	987.3	997.6	996.7	1025.9	1078.3	1124.6	1152.1	1130.6	1128.9	1124.6	1105.8
10°	789.0	770.9	767.5	760.6	776.9	816.4	849.9	823.3	804.4	830.2	822.4
12.5°	644.7	619.8	606.1	578.6	579.5	606.1	606.1	606.1	625.0	639.6	650.7
15°	494.5	473.9	473.9	446.4	440.4	441.3	455.0	456.7	486.8	495.4	499.6
17.5°	346.0	334.8	347.7	358.9	352.0	353.7	358.9	360.6	364.9	361.4	370.0
20°	266.1	264.4	267.9	287.6	302.2	310.8	304.8	296.2	291.0	279.0	279.0
22.5°	225.8	229.2	235.2	251.5	270.4	275.6	268.7	249.0	233.5	231.8	232.7
25°	200.9	204.3	213.8	224.1	234.4	243.0	236.1	221.5	212.9	205.2	205.2
27.5°	185.4	187.2	192.3	200.0	208.6	215.5	212.9	205.2	195.7	192.3	184.6
30°	173.4	176.0	182.0	183.7	191.4	194.9	190.6	188.9	182.9	178.6	176.0
32.5°	167.4	166.5	170.8	172.6	173.4	176.0	170.8	173.4	172.6	165.7	163.1
35°	126.2	133.1	144.2	153.7	156.2	159.7	158.8	155.4	145.9	138.2	128.8
37.5°	113.3	117.6	123.6	131.4	141.7	145.9	144.2	135.6	124.5	119.3	117.6
40°	104.7	107.3	112.5	117.6	127.9	135.6	129.6	121.9	113.3	109.0	106.5
42.5°	97.0	97.9	100.4	105.6	113.3	125.3	115.0	104.7	101.3	98.7	97.0
45°	88.4	88.4	91.9	94.4	103.0	114.2	103.9	94.4	92.7	91.0	90.1
47.5°	81.6	82.4	84.1	87.6	94.4	102.2	95.3	87.6	83.3	82.4	80.7
50°	73.0	73.8	77.3	80.7	89.3	93.6	89.3	80.7	76.4	73.8	73.8
52°	66.1	68.7	72.1	79.0	85.0	91.9	86.7	77.3	72.1	69.5	67.8
52.5°	65.2	67.0	70.4	78.1	85.0	91.0	85.9	76.4	70.4	68.7	67.0
55°	58.4	61.0	67.0	76.4	84.1	91.0	84.1	75.5	67.0	62.7	61.0
57.5°	55.8	57.5	65.2	77.3	83.3	91.0	84.1	75.5	67.0	59.2	57.5
60°	53.2	56.7	65.2	74.7	82.4	91.9	85.0	74.7	65.2	55.8	55.8
62.5°	50.7	53.2	64.4	73.0	79.0	88.4	81.6	73.0	62.7	53.2	52.4
65°	43.8	48.1	56.7	61.0	67.8	76.4	69.5	63.5	54.9	47.2	46.4
67.5°	33.5	35.2	42.1	47.2	51.5	59.2	55.8	48.1	42.1	36.1	36.1
70°	23.2	24.9	30.0	32.6	36.9	41.2	38.6	32.6	28.3	24.9	24.0
72.5°	16.3	17.2	18.9	20.6	22.3	24.0	23.2	18.9	16.3	15.5	14.6
75°	12.9	14.6	15.5	14.6	13.7	12.9	12.9	11.2	9.4	8.6	8.6
77.5°	12.9	13.7	12.9	11.2	9.4	8.6	7.7	6.9	5.2	4.3	5.2
80°	11.2	11.2	11.2	9.4	8.6	7.7	6.9	6.0	5.2	4.3	4.3
82.5°	12.0	12.0	11.2	9.4	9.4	7.7	7.7	6.9	6.0	4.3	4.3
85°	0.0	0.0	0.0	1.7	4.3	7.7	7.7	6.9	6.0	5.2	5.2
87.5°	0.0	0.0	0.0	0.0	0.9	1.7	3.4	4.3	5.2	5.2	5.2
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°	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3
2.5°	1895.6	1928.2	1990.0	2051.8	2089.6	2134.2	2214.9	2257.9	2313.7	2341.1	2395.2
5°	1527.3	1604.5	1632.0	1702.4	1778.0	1853.5	1973.7	2105.9	2215.8	2291.3	2389.2
7.5°	1114.3	1132.4	1238.8	1286.0	1409.7	1547.0	1711.0	1877.5	2016.6	2140.2	2214.9
10°	835.3	901.4	968.4	1058.5	1158.1	1299.8	1456.9	1640.6	1820.9	1944.5	2038.9
12.5°	671.3	723.7	813.0	910.0	1032.8	1126.4	1284.3	1466.3	1699.8	1820.9	1945.4
15°	508.2	575.2	676.5	776.9	906.6	1005.3	1165.0	1394.2	1694.7	1861.2	1968.5
17.5°	376.9	422.4	513.4	625.8	758.1	897.1	1112.6	1386.5	1752.2	1950.5	2061.3
20°	288.5	303.9	361.4	461.9	605.2	787.2	1027.6	1420.0	1922.2	2167.7	2280.2
22.5°	233.5	240.4	262.7	332.2	471.3	691.1	987.3	1443.1	2113.6	2427.8	2578.1
25°	203.5	201.7	216.3	246.4	368.3	601.0	935.8	1530.7	2348.0	2733.5	2868.3
27.5°	185.4	185.4	192.3	213.8	305.6	542.6	903.1	1593.4	2584.1	3002.2	3075.2
30°	176.0	177.7	197.5	204.3	254.1	473.0	849.1	1656.9	2809.9	3173.9	3274.3
32.5°	163.1	156.2	152.0	169.1	213.8	410.4	795.0	1683.5	2992.7	3384.2	3470.1
35°	125.3	121.9	127.1	139.9	183.7	357.1	734.9	1713.6	3203.1	3628.0	3645.2
37.5°	113.3	112.5	115.9	127.1	154.5	310.8	692.0	1705.8	3363.6	3829.8	3783.4
40°	104.7	104.7	107.3	116.8	138.2	278.2	647.3	1699.0	3519.0	4056.4	3920.8
42.5°	97.9	97.9	102.2	108.2	131.4	256.7	613.8	1689.5	3649.5	4195.5	4001.5
45°	88.4	91.0	97.9	103.9	133.1	242.1	588.9	1653.5	3694.1	4193.8	3962.9
47.5°	81.6	85.0	91.9	100.4	120.2	237.8	571.8	1621.7	3678.7	4090.8	3841.8
50°	73.8	78.1	87.6	102.2	102.2	229.2	553.7	1650.0	3667.5	4010.9	3725.9
52°	68.7	72.1	84.1	99.6	89.3	211.2	542.6	1705.0	3713.0	4000.6	3674.4
52.5°	67.8	70.4	81.6	97.9	85.0	207.8	534.8	1717.9	3727.6	3974.9	3709.6
55°	60.1	63.5	74.7	76.4	69.5	170.8	510.0	1747.1	3655.5	3924.2	3676.1
57.5°	56.7	58.4	66.1	62.7	60.1	128.8	438.7	1701.6	3246.9	3485.5	3420.3
60°	52.4	54.1	61.8	48.9	50.7	90.1	329.7	1477.5	2607.3	2904.3	3021.9
62.5°	50.7	49.8	58.4	39.5	42.9	65.2	232.7	1201.0	2008.9	2390.9	2594.4
65°	44.6	43.8	42.1	33.5	36.9	50.7	139.1	783.8	1415.7	1808.9	1920.5
67.5°	34.3	36.1	30.9	26.6	30.9	39.5	77.3	351.1	742.6	1085.1	1175.3
70°	24.0	25.8	24.9	23.2	27.5	32.6	44.6	120.2	307.3	570.0	628.4
72.5°	14.6	18.0	18.9	19.7	24.0	28.3	31.8	38.6	81.6	201.7	250.7
75°	8.6	12.0	14.6	17.2	19.7	24.0	26.6	27.5	28.3	37.8	61.0
77.5°	6.0	8.6	12.9	16.3	19.7	24.0	28.3	30.0	28.3	26.6	28.3
80°	5.2	8.6	12.0	15.5	20.6	24.9	28.3	28.3	27.5	24.0	25.8
82.5°	5.2	8.6	12.9	16.3	19.7	24.0	27.5	28.3	25.8	24.0	24.9
85°	6.0	9.4	13.7	17.2	21.5	19.7	18.0	14.6	13.7	11.2	12.0
87.5°	6.0	8.6	8.6	9.4	10.3	10.3	10.3	9.4	7.7	6.9	6.9
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°	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3	2194.3
2.5°	2397.8	2466.5	2463.9	2465.6	2455.3	2385.8	2352.3	2267.3	2291.3	2281.0
5°	2489.7	2557.5	2615.9	2609.0	2530.0	2435.6	2295.6	2163.4	2127.4	2074.1
7.5°	2397.8	2560.9	2615.0	2607.3	2490.5	2369.5	2146.3	2014.0	1951.4	1916.2
10°	2251.9	2440.7	2507.7	2521.4	2442.4	2258.7	2053.5	1841.5	1808.0	1747.1
12.5°	2168.6	2305.9	2347.1	2384.1	2356.6	2219.2	1983.1	1779.7	1733.3	1693.0
15°	2100.8	2182.3	2199.5	2241.6	2257.9	2184.0	2020.1	1846.6	1732.5	1728.2
17.5°	2163.4	2129.9	2067.3	2080.2	2131.7	2184.9	2115.4	1978.9	1868.1	1854.4
20°	2267.3	2119.6	1978.0	2009.8	2052.7	2215.8	2259.6	2163.4	2099.9	2064.7
22.5°	2386.6	2137.7	1949.7	1965.1	2046.7	2285.3	2493.1	2439.9	2321.4	2270.7
25°	2607.3	2187.5	1972.0	1982.3	2093.9	2382.3	2704.3	2743.8	2673.4	2663.1
27.5°	2822.8	2316.2	2020.9	1997.7	2117.9	2476.8	2832.2	3044.3	2920.6	2896.6
30°	2932.6	2421.0	2093.9	2054.4	2217.5	2534.3	2909.5	3240.0	3131.8	3120.7
32.5°	3100.9	2516.3	2150.6	2099.9	2273.3	2605.6	3053.7	3453.8	3349.0	3293.2
35°	3171.3	2620.2	2275.0	2215.8	2433.0	2705.1	3127.5	3644.3	3611.7	3557.6
37.5°	3307.0	2731.8	2421.8	2418.4	2626.2	2834.8	3260.6	3903.6	3897.6	3804.0
40°	3318.1	2853.7	2653.6	2761.8	2924.9	3060.6	3377.4	3975.7	4073.6	4010.1
42.5°	3335.3	3067.4	3054.6	3143.8	3283.8	3254.6	3381.6	3992.9	4142.3	4104.5
45°	3343.0	3281.2	3462.3	3627.2	3685.6	3508.7	3341.3	3960.3	4178.3	4083.9
47.5°	3281.2	3464.9	3792.0	4110.5	4127.7	3665.0	3324.1	3926.8	4199.8	4137.1
50°	3289.8	3580.0	4077.0	4362.1	4299.4	3803.2	3297.5	3906.2	4188.6	4146.6
52°	3269.2	3582.5	4117.4	4356.9	4313.1	3726.8	3252.0	3827.2	4178.3	4208.4
52.5°	3292.4	3567.1	4075.3	4360.3	4303.7	3764.5	3246.0	3871.0	4184.3	4123.4
55°	3212.5	3383.4	3828.9	3950.0	3941.4	3416.8	3061.4	3725.9	4027.2	4028.1
57.5°	2903.5	2932.6	3003.0	3000.5	2961.0	2686.3	2618.4	3426.3	3590.3	3501.0
60°	2558.3	2147.1	1957.4	1880.1	1836.3	1791.7	2316.2	3134.4	3149.8	3112.1
62.5°	2210.6	1488.6	1236.2	1214.8	1225.1	1388.2	2239.0	3018.5	2925.8	2844.2
65°	1784.0	1085.1	898.0	869.7	970.1	1146.1	1812.3	2314.5	2172.0	2104.2
67.5°	1120.3	791.5	607.0	553.7	674.8	789.0	1190.7	1454.3	1294.6	1201.0
70°	664.5	442.1	274.7	246.4	277.3	420.7	667.1	725.4	600.1	552.0
72.5°	261.8	162.3	76.4	65.2	67.8	147.7	245.5	239.5	181.1	161.4
75°	70.4	48.9	26.6	21.5	18.0	27.5	39.5	25.8	9.4	12.0
77.5°	32.6	29.2	23.2	18.0	13.7	10.3	5.2	1.7	1.7	0.9
80°	28.3	24.9	21.5	18.0	13.7	8.6	4.3	0.9	0.9	0.9
82.5°	26.6	23.2	19.7	16.3	12.9	8.6	4.3	0.9	0.0	0.0
85°	11.2	14.6	16.3	15.5	13.7	8.6	4.3	0.9	0.0	0.0
87.5°	6.0	5.2	4.3	3.4	2.6	1.7	1.7	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

(END OF REPORT)