

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: P456063

Luminaire Tested: **GALN-SA7B-740-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7B-740-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 800mA 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: 34163 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

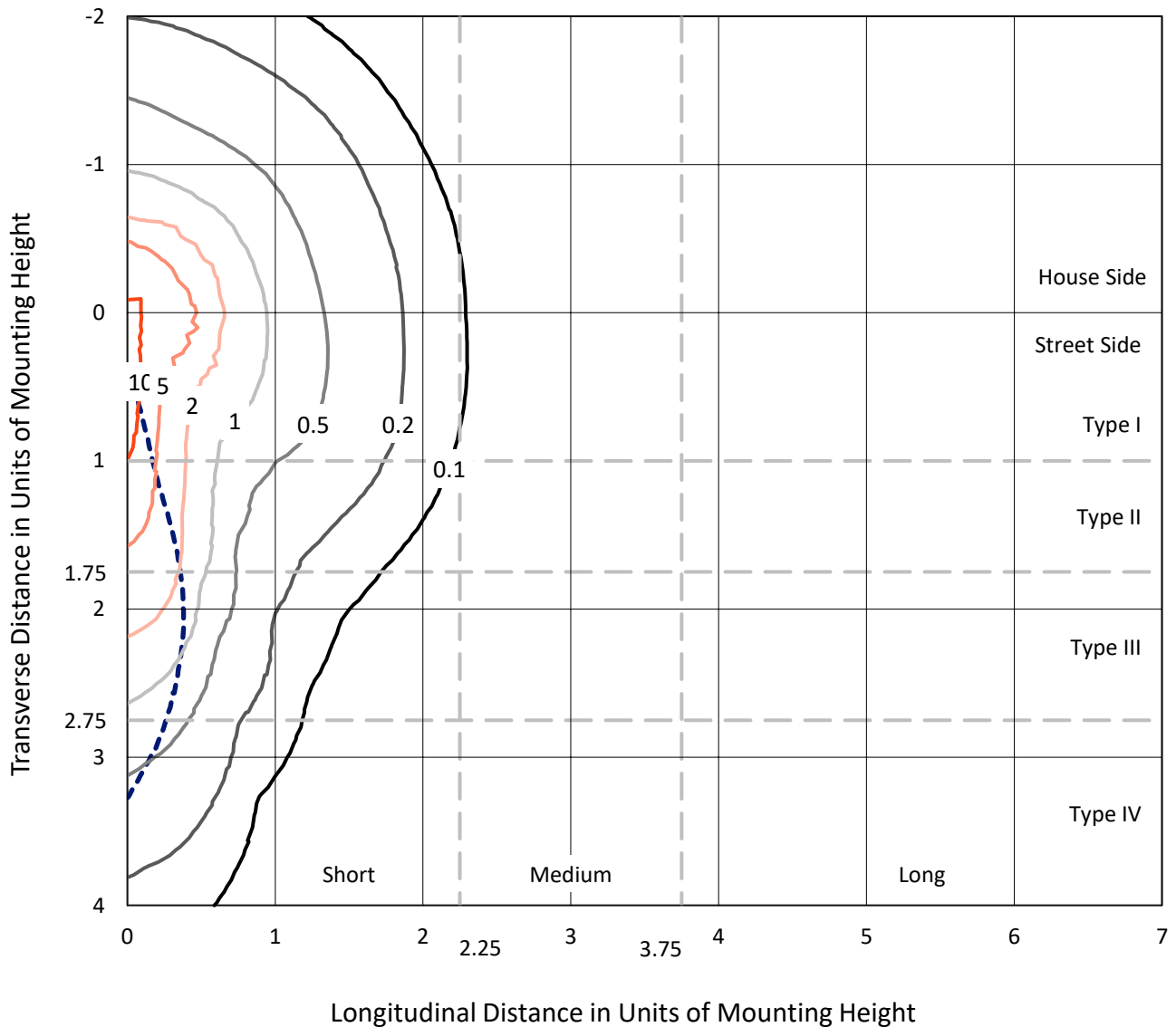
Input Watts (W): 286
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

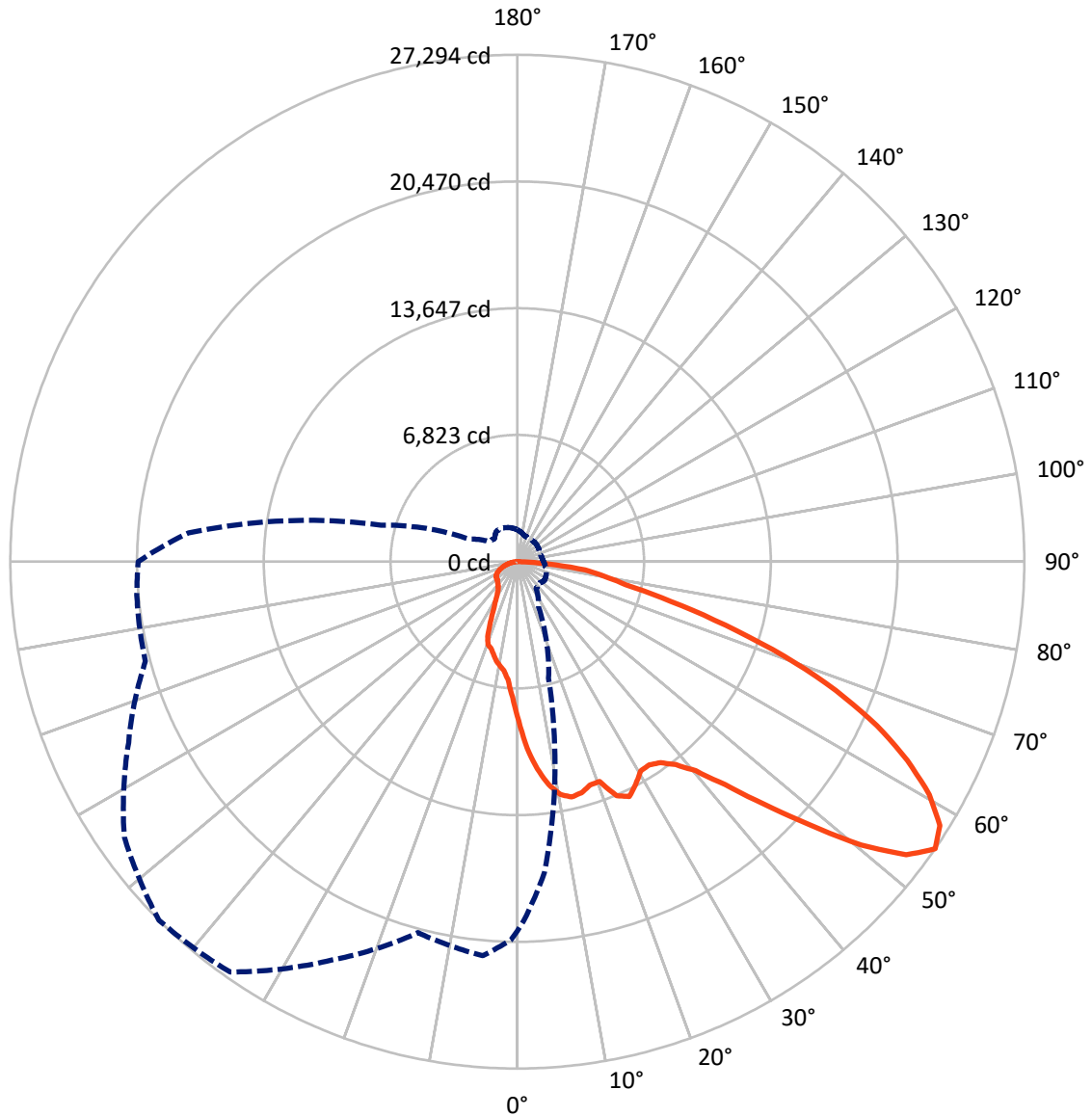
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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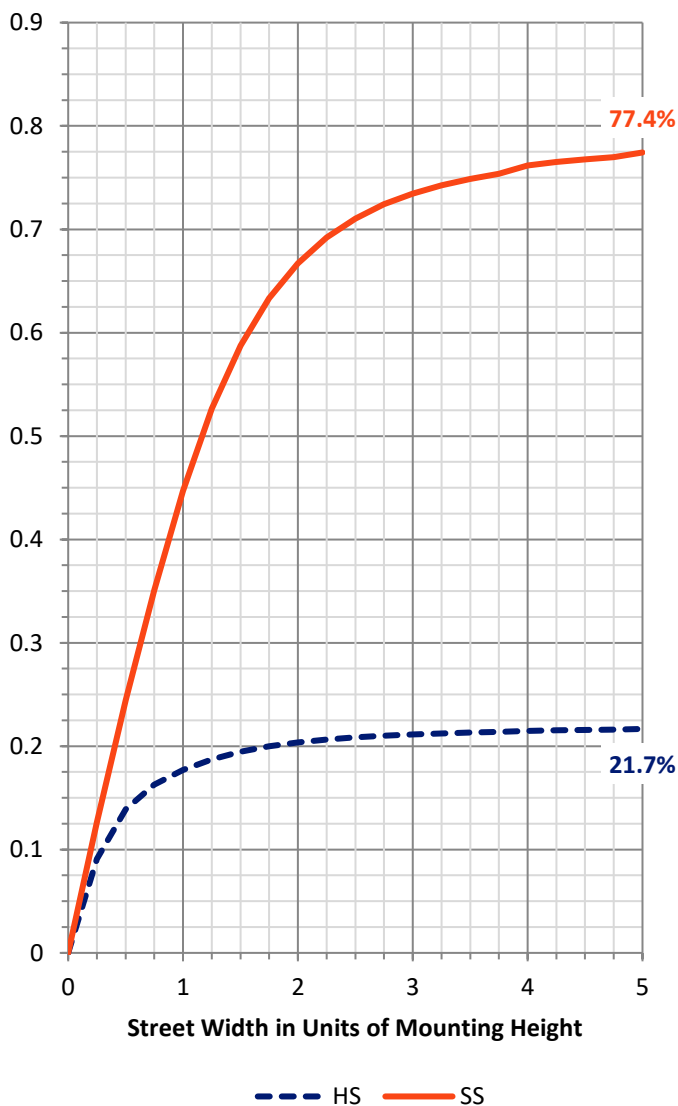
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7473.0	0.0	7473.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	26690.0	0.0	26690.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	34163.0	0.0	34163.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.6	2.1
10°-20°	1927.8	5.6
20°-30°	3330.3	9.7
30°-40°	3870.4	11.3
40°-50°	5400.0	15.8
50°-60°	7327.1	21.4
60°-70°	6970.9	20.4
70°-80°	3765.9	11.0
80°-90°	844.0	2.5
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°	34163.0	100.0
0°-180°	34163.0	100.0

Coefficient of Utilization



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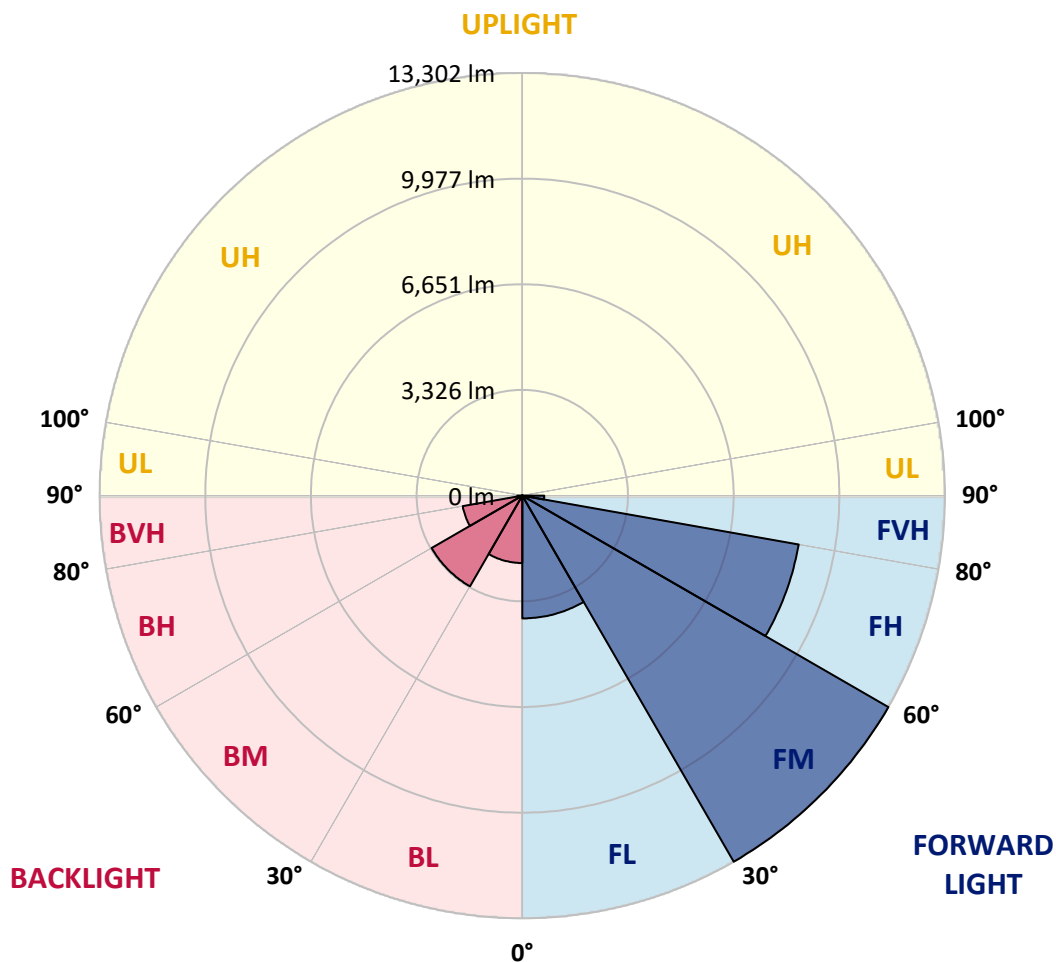
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3863.9	11.3			
FM	(30°-60°)	13302.4	38.9			
FH	(60°-80°)	8834.0	25.9			G4/12000
FVH	(80°-90°)	689.8	2.0			G4/750
BL	(0°-30°)	2120.9	6.2	B3/2500		
BM	(30°-60°)	3295.1	9.6	B3/5000		
BH	(60°-80°)	1902.8	5.6	B3/2500		G3/2500
BVH	(80°-90°)	154.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6
2.5°	9524.7	9488.6	9387.2	9121.3	8853.1	8580.3	8370.7	8109.3	7836.6	7690.1	7503.0
5°	9655.4	9614.8	9375.9	8776.4	8233.2	7663.0	7207.8	6808.8	6646.6	6407.6	6216.1
7.5°	9348.9	9330.9	8972.5	8111.5	7367.8	6621.8	6105.6	5785.6	5494.8	5386.7	5409.2
10°	9069.4	8997.3	8548.8	7424.1	6556.4	5950.1	5580.5	5267.2	5062.1	5008.0	5019.3
12.5°	8837.3	8740.4	8210.7	6962.1	6202.5	5718.0	5246.9	4920.1	4733.0	4784.9	4960.7
15°	8789.9	8659.2	8068.7	6804.3	6008.7	5384.4	4868.3	4491.9	4352.2	4464.8	4746.6
17.5°	9096.5	8931.9	8312.1	6856.2	5823.9	5044.1	4410.8	3980.3	3863.1	4043.4	4410.8
20°	10081.4	9838.0	9071.7	7155.9	5805.9	4875.0	4144.8	3712.1	3761.6	4104.2	4487.4
22.5°	11902.5	11537.4	10401.4	7593.2	5900.5	4832.2	4090.7	3865.3	4138.0	4428.8	4681.2
25°	12263.1	11976.9	10640.3	7692.3	5880.2	4802.9	4244.0	4356.7	4660.9	4805.2	4717.3
27.5°	12465.9	12139.1	10624.6	7201.0	5258.2	4356.7	4056.9	4244.0	4320.6	4180.9	3942.0
30°	12939.3	12598.9	10892.8	6684.9	4329.6	3232.0	2833.1	2756.4	2808.3	2835.3	2749.7
32.5°	13590.6	13254.8	11397.6	6346.8	3743.6	2673.0	2280.9	2172.7	2147.9	2118.6	2084.8
35°	14433.5	13917.4	11893.5	6130.4	3502.5	2472.5	2111.8	2028.4	1994.6	1954.1	1918.0
37.5°	15290.0	14749.1	12520.0	5902.8	3342.4	2332.7	1999.1	1960.8	1902.2	1859.4	1807.6
40°	16200.5	15594.3	13090.3	5704.4	3186.9	2242.6	1918.0	1913.5	1836.9	1787.3	1726.4
42.5°	16989.4	16365.1	13599.6	5582.7	3067.5	2147.9	1868.4	1882.0	1803.1	1728.7	1649.8
45°	17616.0	17002.9	14070.7	5582.7	2970.6	2053.2	1859.4	1850.4	1771.5	1679.1	1589.0
47.5°	18165.9	17532.6	14530.5	5724.7	2909.7	1974.4	1809.8	1825.6	1744.5	1627.3	1539.4
50°	18591.9	18032.9	15150.3	5945.6	2848.8	1911.2	1746.7	1832.4	1721.9	1600.2	1498.8
52.5°	19135.0	18634.7	15896.3	6247.6	2797.0	1841.4	1690.4	1832.4	1719.7	1602.5	1492.0
55°	19887.8	19360.4	16795.6	6497.8	2713.6	1776.0	1640.8	1780.5	1712.9	1591.2	1474.0
57.5°	20415.2	20020.8	17431.1	6664.6	2594.2	1692.6	1595.7	1730.9	1683.6	1548.4	1419.9
58°	20440.0	20054.6	17523.5	6702.9	2564.9	1676.9	1584.4	1708.4	1670.1	1530.4	1401.9
60°	20156.0	19824.7	17541.6	6648.8	2398.1	1598.0	1525.8	1616.0	1598.0	1424.4	1305.0
62.5°	19123.8	18769.9	16813.6	6209.3	2177.2	1501.1	1435.7	1492.0	1451.5	1275.7	1165.2
65°	17656.5	17005.2	15317.0	5519.6	2019.4	1397.4	1314.0	1318.5	1275.7	1149.5	1052.5
67.5°	15702.5	14974.5	12968.6	4651.9	1900.0	1282.4	1169.7	1158.5	1106.6	1025.5	946.6
70°	13297.6	12799.5	10538.9	3784.2	1767.0	1156.2	1007.5	1000.7	969.1	908.3	838.4
72.5°	10777.8	10144.5	8510.5	3029.2	1604.7	1034.5	856.5	870.0	829.4	786.6	723.5
75°	7953.8	7539.1	6578.9	2429.6	1386.1	901.5	714.5	719.0	700.9	655.9	606.3
77.5°	5237.9	5113.9	4706.0	1595.7	1066.1	716.7	583.7	588.3	574.7	534.2	482.3
80°	3525.0	3441.6	3189.2	1027.7	712.2	518.4	450.8	455.3	453.0	410.2	340.3
82.5°	2172.7	2136.6	2055.5	694.2	493.6	371.9	297.5	311.0	335.8	288.5	232.1
85°	1025.5	1027.7	1241.9	378.6	290.7	238.9	162.3	173.5	173.5	173.5	130.7
87.5°	133.0	139.7	171.3	160.0	105.9	90.2	58.6	49.6	42.8	56.3	40.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6
2.5°	7437.6	7392.6	7295.7	7273.1	7259.6	7297.9	7196.5	7223.5	7178.5	7304.7	7284.4
5°	6227.3	6231.8	6310.7	6362.6	6380.6	6362.6	6295.0	6177.8	6087.6	6051.5	6060.6
7.5°	5366.4	5445.3	5580.5	5731.5	5869.0	5909.5	5871.2	5648.1	5404.7	5251.4	5201.8
10°	5080.1	5186.1	5341.6	5461.0	5582.7	5679.7	5699.9	5526.4	5237.9	4875.0	4733.0
12.5°	5095.9	5240.2	5388.9	5427.2	5416.0	5454.3	5436.2	5406.9	5217.6	4755.6	4518.9
15°	4947.2	5118.5	5222.1	5201.8	5165.8	5132.0	5084.6	5010.3	4942.7	4618.1	4356.7
17.5°	4604.6	4780.4	4866.0	4872.8	4872.8	4863.8	4748.8	4721.8	4712.8	4555.0	4395.0
20°	4667.7	4764.6	4726.3	4663.2	4681.2	4742.1	4674.4	4660.9	4712.8	4782.6	4753.3
22.5°	4703.7	4669.9	4381.5	4102.0	4038.9	4228.2	4266.5	4417.5	4627.1	4879.5	5044.1
25°	4480.6	4207.9	3691.8	3376.2	3198.2	3374.0	3603.9	3883.4	4196.6	4521.2	4712.8
27.5°	3745.9	3538.5	3168.9	2884.9	2729.4	2756.4	2952.5	3207.2	3497.9	3716.6	3856.3
30°	2821.8	2729.4	2537.8	2440.9	2346.2	2323.7	2407.1	2504.0	2632.5	2659.5	2695.6
32.5°	2078.0	2064.5	2075.8	2044.2	2026.2	2023.9	1999.1	2021.7	2035.2	2051.0	2019.4
35°	1879.7	1861.7	1830.1	1821.1	1809.8	1814.3	1803.1	1791.8	1800.8	1814.3	1823.4
37.5°	1778.3	1751.2	1706.2	1690.4	1690.4	1697.1	1679.1	1674.6	1690.4	1733.2	1755.7
40°	1699.4	1667.8	1616.0	1595.7	1609.2	1627.3	1602.5	1593.5	1631.8	1676.9	1712.9
42.5°	1625.0	1600.2	1550.6	1528.1	1539.4	1573.2	1537.1	1530.4	1579.9	1629.5	1672.3
45°	1561.9	1537.1	1492.0	1480.8	1485.3	1516.8	1492.0	1492.0	1539.4	1593.5	1631.8
47.5°	1512.3	1480.8	1451.5	1442.5	1447.0	1465.0	1460.5	1460.5	1505.6	1561.9	1600.2
50°	1462.7	1435.7	1397.4	1401.9	1413.2	1437.9	1435.7	1442.5	1487.5	1557.4	1598.0
52.5°	1440.2	1399.6	1356.8	1361.3	1395.1	1424.4	1415.4	1422.2	1474.0	1604.7	1663.3
55°	1415.4	1361.3	1311.7	1318.5	1356.8	1399.6	1388.4	1397.4	1458.2	1636.3	1717.4
57.5°	1368.1	1305.0	1250.9	1255.4	1311.7	1356.8	1338.8	1350.0	1422.2	1602.5	1688.1
58°	1347.8	1293.7	1241.9	1244.1	1298.2	1347.8	1327.5	1336.5	1410.9	1593.5	1674.6
60°	1262.1	1230.6	1185.5	1187.8	1239.6	1282.4	1271.2	1280.2	1352.3	1528.1	1589.0
62.5°	1144.9	1126.9	1115.6	1115.6	1147.2	1187.8	1199.0	1210.3	1275.7	1381.6	1435.7
65°	1018.7	1018.7	1021.0	1021.0	1041.3	1093.1	1099.9	1129.2	1190.0	1241.9	1282.4
67.5°	933.1	928.6	933.1	921.8	930.8	962.4	996.2	1023.2	1086.3	1122.4	1135.9
70°	822.6	820.4	822.6	806.9	818.1	845.2	867.7	912.8	978.2	1005.2	1012.0
72.5°	714.5	714.5	719.0	707.7	707.7	737.0	752.8	802.4	863.2	879.0	881.2
75°	601.8	608.5	608.5	592.8	597.3	615.3	635.6	676.1	732.5	743.8	743.8
77.5°	477.8	502.6	502.6	486.8	493.6	495.8	522.9	543.2	586.0	590.5	572.5
80°	347.1	371.9	392.2	378.6	389.9	376.4	392.2	405.7	448.5	428.2	398.9
82.5°	247.9	266.0	281.7	284.0	272.7	247.9	268.2	270.5	290.7	263.7	247.9
85°	137.5	153.3	173.5	164.5	146.5	130.7	137.5	142.0	139.7	133.0	124.0
87.5°	36.1	38.3	42.8	31.6	29.3	24.8	33.8	33.8	38.3	40.6	38.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6
2.5°	7300.2	7399.3	7613.4	7775.7	7974.1	8215.2	8499.2	8785.4	9094.2	9191.1	9326.4
5°	6040.3	6288.2	6391.9	6687.1	6980.1	7419.6	7888.4	8431.6	9026.6	9312.8	9587.8
7.5°	5161.3	5294.3	5402.4	5618.8	5970.4	6504.6	7092.8	7771.2	8614.1	9031.1	9434.5
10°	4688.0	4701.5	4834.5	5102.7	5409.2	5880.2	6436.9	7196.5	8136.3	8643.4	9116.8
12.5°	4374.7	4316.1	4460.3	4739.8	5086.9	5521.9	6033.5	6757.0	7791.5	8312.1	8884.6
15°	4099.7	4007.3	4115.5	4401.7	4744.3	5255.9	5805.9	6572.2	7656.3	8262.5	8898.1
17.5°	4106.5	3851.8	3890.1	4131.3	4471.6	4992.2	5659.4	6565.4	7861.4	8560.1	9312.8
20°	4613.6	4205.7	4032.1	4077.2	4406.2	4974.2	5727.0	6881.0	8535.3	9554.0	10358.6
22.5°	5111.7	4866.0	4586.5	4494.1	4674.4	5269.5	6157.5	7627.0	10000.3	11535.1	12988.8
25°	4938.1	5147.8	5077.9	4947.2	4987.7	5481.3	6450.5	8240.0	11138.4	12867.1	14233.0
27.5°	3951.0	4331.9	4408.5	4406.2	4422.0	4827.7	5801.4	7827.6	11280.4	13121.8	14426.8
30°	2776.7	2810.5	2851.1	2930.0	3002.1	3365.0	4539.2	6871.9	11217.3	13236.8	14544.0
32.5°	2003.7	2048.7	2105.1	2213.3	2384.6	2846.6	3971.3	6567.7	11550.9	13712.3	14886.6
35°	1832.4	1884.2	1938.3	2062.3	2224.5	2652.8	3745.9	6441.5	12098.6	14483.1	15501.9
37.5°	1778.3	1836.9	1884.2	1974.4	2105.1	2513.0	3540.8	6355.8	12659.8	15299.0	16326.8
40°	1740.0	1807.6	1845.9	1918.0	2008.2	2384.6	3358.2	6288.2	13203.0	16045.0	16989.4
42.5°	1706.2	1776.0	1825.6	1877.4	1951.8	2269.6	3195.9	6220.6	13674.0	16768.5	17649.8
45°	1665.6	1753.5	1816.6	1857.2	1922.5	2172.7	3072.0	6166.5	14210.4	17410.9	18316.9
47.5°	1631.8	1728.7	1807.6	1854.9	1879.7	2105.1	2972.8	6240.9	14855.0	18082.5	18936.7
50°	1634.0	1726.4	1825.6	1900.0	1834.6	2048.7	2912.0	6536.1	15693.4	18880.4	19425.8
52.5°	1706.2	1818.8	1897.7	1915.8	1771.5	1981.1	2880.4	7052.2	16685.1	19585.8	19919.4
55°	1787.3	1904.5	1990.1	1978.9	1737.7	1895.5	2873.6	7602.2	17771.5	20408.5	20561.7
57.5°	1758.0	1929.3	2060.0	2001.4	1740.0	1812.1	2844.3	8046.2	18679.8	21023.7	21197.3
58°	1749.0	1920.3	2069.0	1996.9	1733.2	1787.3	2837.6	8084.5	18806.0	21066.6	21287.4
60°	1661.1	1841.4	2062.3	1963.1	1694.9	1719.7	2763.2	8208.5	18772.2	20845.7	21341.5
62.5°	1501.1	1649.8	1906.7	1798.6	1577.7	1629.5	2596.4	8055.2	17857.1	19781.9	20550.4
65°	1320.7	1431.2	1602.5	1582.2	1410.9	1537.1	2368.8	7448.9	16024.7	18055.5	18864.6
67.5°	1185.5	1275.7	1383.9	1354.6	1268.9	1413.2	2123.1	6423.4	13969.3	15981.9	17000.7
70°	1048.0	1117.9	1172.0	1151.7	1124.7	1291.4	1904.5	5213.1	11999.4	14012.1	14999.3
72.5°	908.3	973.7	1018.7	989.4	973.7	1163.0	1726.4	4045.6	9477.4	11559.9	12828.8
75°	759.5	824.9	856.5	822.6	813.6	1025.5	1462.7	3022.4	7110.8	8911.7	10007.0
77.5°	588.3	658.1	698.7	687.4	691.9	842.9	1181.0	2069.0	5084.6	6074.1	7228.0
80°	412.5	489.1	516.1	504.9	536.4	642.3	833.9	1314.0	3507.0	3942.0	4755.6
82.5°	254.7	326.8	331.3	342.6	365.1	475.6	628.8	800.1	2202.0	2276.4	2866.9
85°	128.5	155.5	166.8	184.8	205.1	290.7	358.4	495.8	1417.7	1072.8	1602.5
87.5°	42.8	45.1	54.1	67.6	83.4	119.5	153.3	202.8	351.6	193.8	495.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6	8573.6
2.5°	9599.1	9790.6	9930.4	10058.9	9934.9	9923.6	9801.9	9605.8	9524.7	9524.7
5°	10164.8	10613.3	10976.2	11208.3	11109.1	10870.2	10475.8	9973.2	9702.7	9655.4
7.5°	10320.3	11206.1	11880.0	12118.9	11952.1	11424.7	10669.6	9822.2	9434.5	9348.9
10°	10225.6	11377.3	12366.8	12745.4	12513.3	11715.4	10685.4	9646.4	9168.6	9069.4
12.5°	10126.5	11399.9	12456.9	13004.6	12853.6	11949.8	10800.4	9531.5	8979.3	8837.3
15°	10198.6	11408.9	12346.5	12912.2	13009.1	12231.5	10989.7	9614.8	8941.0	8789.9
17.5°	10653.9	11580.2	12188.7	12646.3	12986.6	12614.7	11528.4	10013.8	9283.5	9096.5
20°	11605.0	11990.4	12278.9	12632.7	13180.4	13396.8	12630.5	11109.1	10245.9	10081.4
22.5°	14359.2	14289.3	13698.8	13692.0	14485.4	15353.1	15301.3	13335.9	12037.7	11902.5
25°	15391.4	15066.9	14212.7	14005.3	14354.7	15693.4	15499.6	13791.2	12592.2	12263.1
27.5°	14988.0	14183.4	13622.2	13574.8	13459.9	14724.3	15190.8	13976.0	12786.0	12465.9
30°	14963.2	13779.9	12977.6	13072.2	13182.7	14390.7	15362.1	14555.2	13281.8	12939.3
32.5°	15024.0	13836.3	13024.9	13042.9	13372.0	14440.3	15551.4	15186.3	13933.2	13590.6
35°	15269.7	14156.3	13326.9	13284.1	13798.0	14764.9	15873.7	16178.0	14823.5	14433.5
37.5°	15666.4	14794.2	13879.1	13867.8	14613.8	15350.9	16274.9	17178.7	15709.2	15290.0
40°	16250.1	15540.2	14861.8	14800.9	15722.7	16304.2	16795.6	18244.8	16739.2	16200.5
42.5°	16955.6	16434.9	16157.7	16398.9	17284.6	17374.8	17606.9	19229.7	17616.0	16989.4
45°	17609.2	17584.4	17969.8	18609.9	19126.0	18585.1	18454.4	19890.1	18296.6	17616.0
47.5°	18386.8	19058.4	20221.4	21159.0	21699.9	19993.7	19177.9	20320.6	18792.5	18165.9
50°	19175.6	20823.2	22680.3	23987.5	24102.5	21524.1	19676.0	20726.2	19243.2	18591.9
52.5°	20005.0	22231.8	24704.3	26223.3	26000.2	22856.1	20158.3	21001.2	19707.5	19135.0
55°	20726.2	23095.0	25835.7	27293.9	26967.1	23667.5	20678.9	21298.7	20370.1	19887.8
57.5°	21129.7	23167.1	25554.0	26827.4	26473.5	23509.7	20917.8	21519.6	20793.9	20415.2
58°	21188.3	23070.2	25303.8	26556.9	26196.3	23376.7	20915.6	21510.6	20820.9	20440.0
60°	21136.4	22441.4	24372.9	25488.6	25109.9	22542.8	20829.9	21341.5	20478.3	20156.0
62.5°	20656.4	21350.6	22766.0	23577.3	23469.2	21240.1	20478.3	20703.7	19434.8	19123.8
65°	20025.3	19863.0	20708.2	21282.9	21364.1	20264.2	20129.0	19324.4	18096.0	17656.5
67.5°	19259.0	18177.2	18174.9	18501.7	18636.9	18763.2	19401.0	17825.6	16166.7	15702.5
70°	17958.5	15578.5	14861.8	15247.2	15134.5	16200.5	18100.5	15720.5	13840.8	13297.6
72.5°	15574.0	12362.3	11215.1	11710.9	11426.9	12704.9	15837.7	12937.0	11445.0	10777.8
75°	12623.7	9247.5	8064.2	8519.5	8343.7	9637.4	13178.2	9396.2	8208.5	7953.8
77.5°	9801.9	6700.6	6013.2	5950.1	6080.8	7171.7	9666.7	6344.5	5411.5	5237.9
80°	6297.2	4796.2	4836.7	4755.6	4823.2	4521.2	5869.0	4047.9	3664.7	3525.0
82.5°	4144.8	3342.4	3984.8	3678.3	3493.4	3040.4	3849.5	2650.5	2249.3	2172.7
85°	2824.1	2461.2	2240.3	1712.9	2017.2	2341.7	2887.2	1426.7	1131.4	1025.5
87.5°	1275.7	856.5	628.8	387.7	613.0	707.7	1401.9	166.8	128.5	133.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)