

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: P457629

Luminaire Tested: **GALN-SA9A-727-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457629
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-SA9A-727-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 615mA 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: 29886 lumens
Efficiency: N/A
Efficacy: 109.1 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

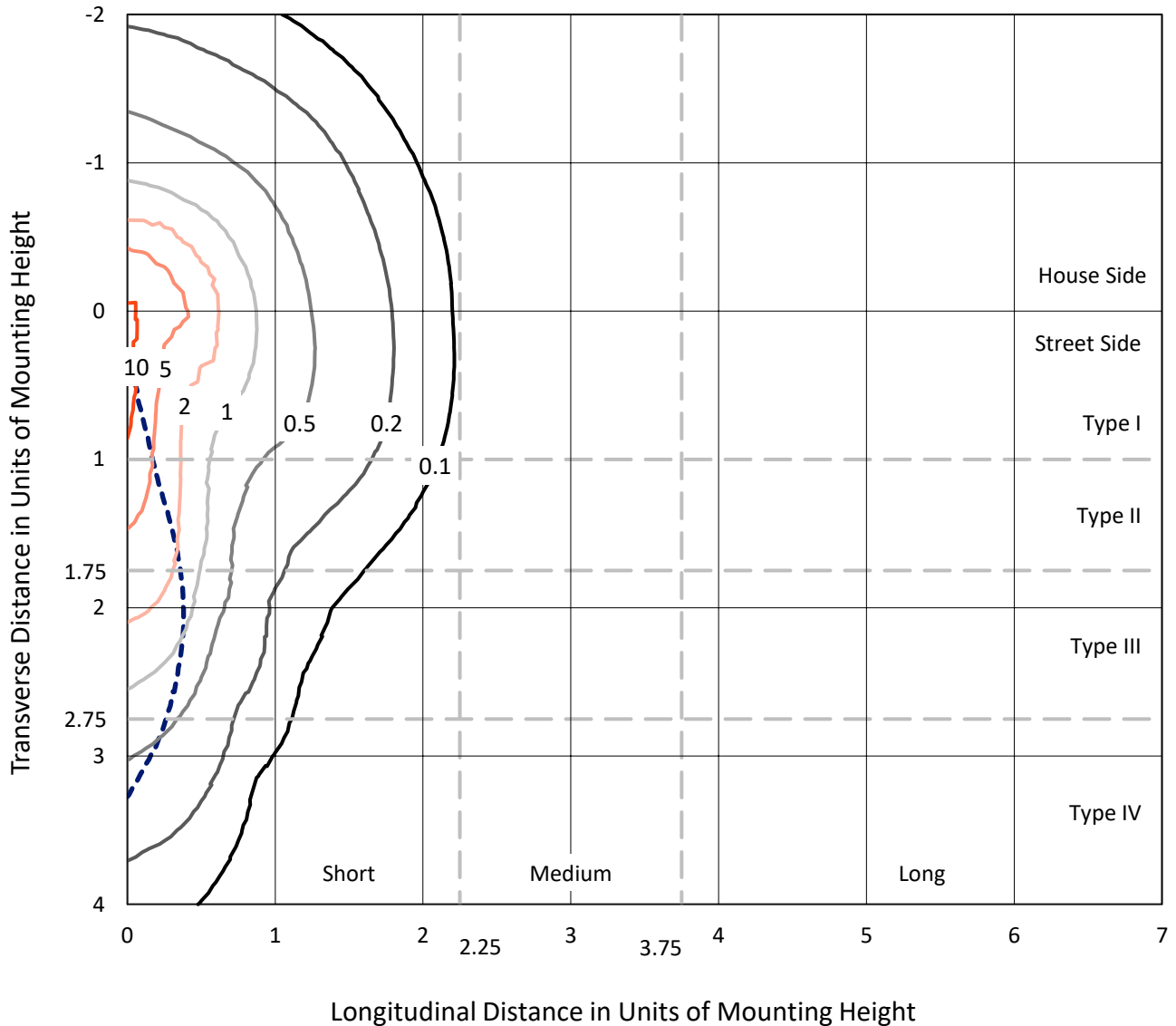
Input Watts (W): 274
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

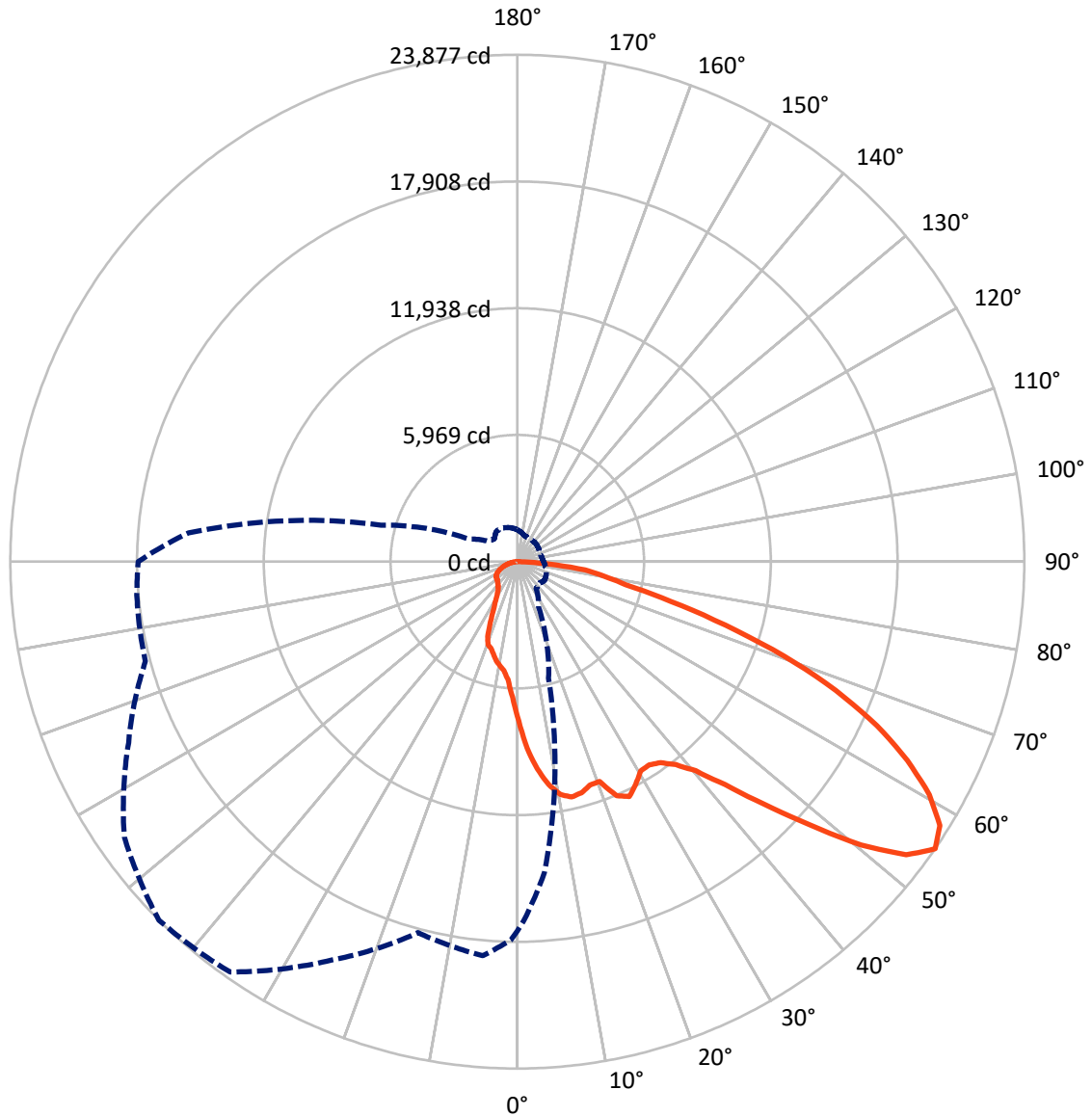
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 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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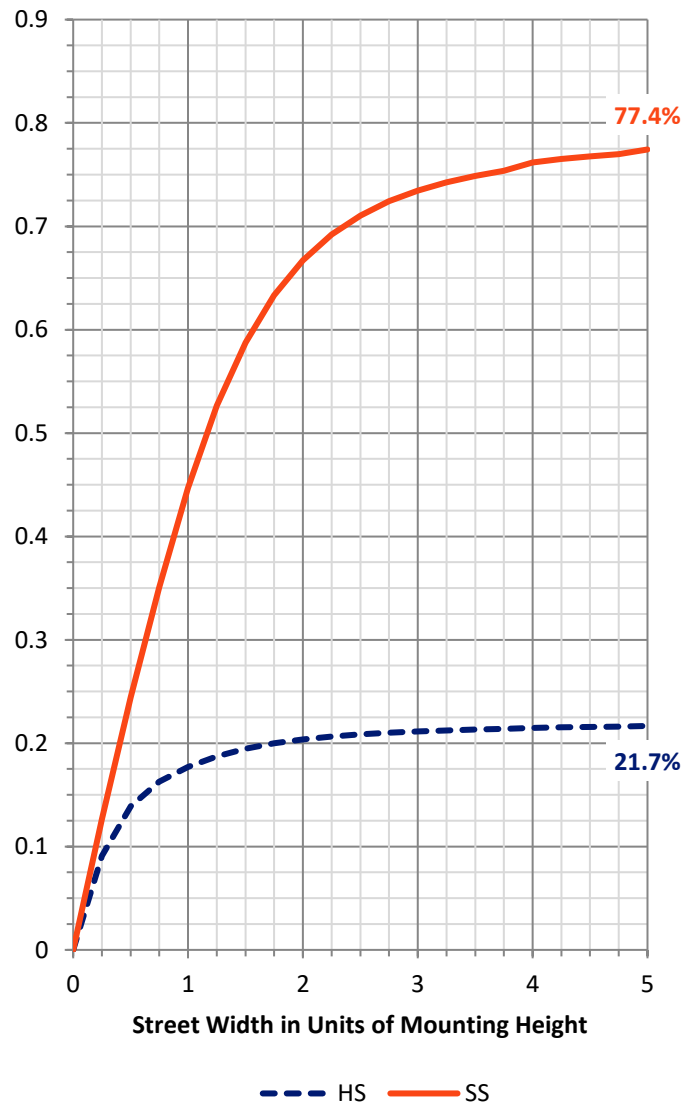
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6537.4	0.0	6537.4
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	23348.6	0.0	23348.6
	% Fixture	78.1	0.0	78.1
Total	Lumens	29886.0	0.0	29886.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	635.7	2.1
10°-20°	1686.4	5.6
20°-30°	2913.4	9.7
30°-40°	3385.8	11.3
40°-50°	4723.9	15.8
50°-60°	6409.8	21.4
60°-70°	6098.2	20.4
70°-80°	3294.4	11.0
80°-90°	738.3	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°	29886.0	100.0
0°-180°	29886.0	100.0



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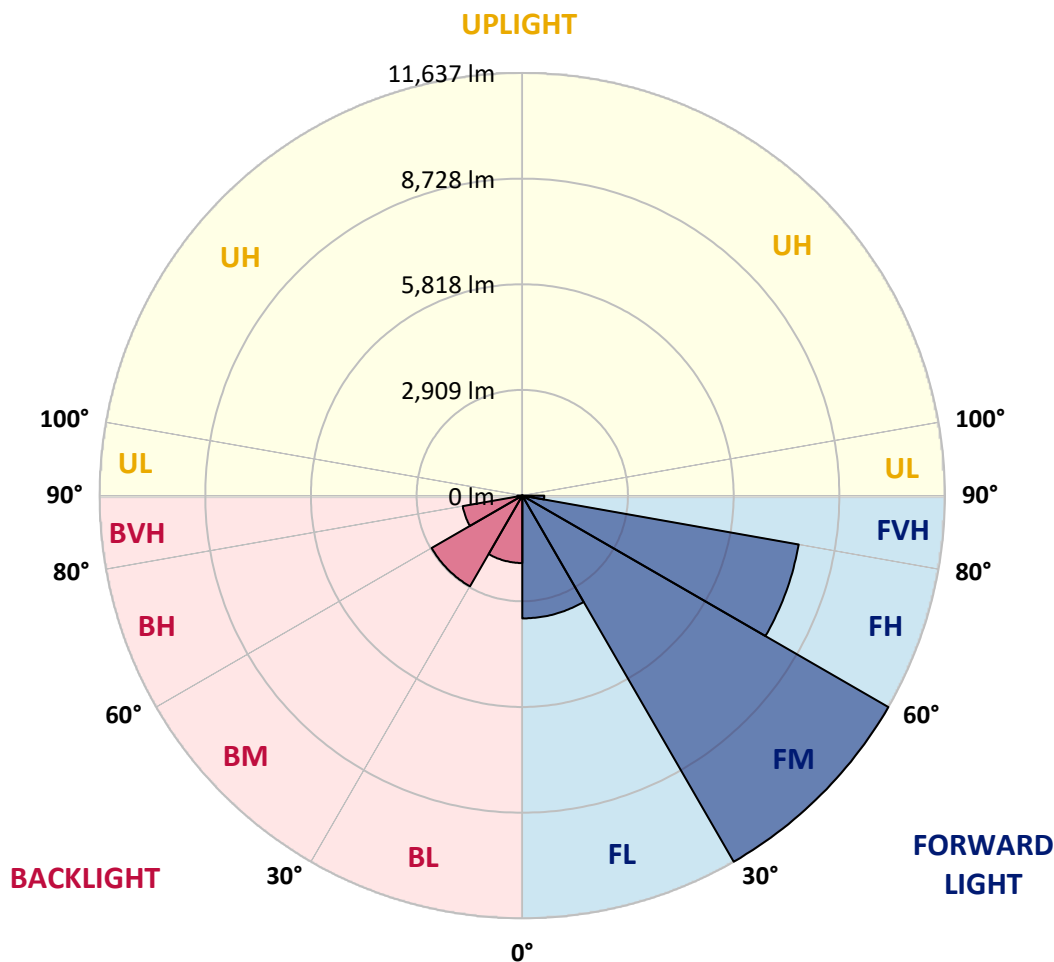
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3380.2	11.3			
FM	(30°-60°)	11637.0	38.9			
FH	(60°-80°)	7728.0	25.9			G4/12000
FVH	(80°-90°)	603.4	2.0			G4/750
BL	(0°-30°)	1855.3	6.2	B3/2500		
BM	(30°-60°)	2882.6	9.6	B3/5000		
BH	(60°-80°)	1664.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	134.9	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°	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2
2.5°	8332.3	8300.7	8212.0	7979.3	7744.7	7506.1	7322.8	7094.1	6855.5	6727.3	6563.7
5°	8446.6	8411.1	8202.1	7677.7	7202.5	6703.7	6305.4	5956.4	5814.4	5605.4	5437.9
7.5°	8178.5	8162.7	7849.2	7096.0	6445.4	5792.8	5341.2	5061.3	4806.9	4712.3	4732.0
10°	7934.0	7870.9	7478.5	6494.7	5735.6	5205.2	4881.8	4607.8	4428.4	4381.0	4390.9
12.5°	7730.9	7646.1	7182.8	6090.5	5426.0	5002.1	4590.0	4304.1	4140.5	4185.8	4339.6
15°	7689.5	7575.1	7058.6	5952.5	5256.5	4710.3	4258.8	3929.5	3807.3	3905.9	4152.3
17.5°	7957.6	7813.7	7271.5	5997.8	5094.8	4412.6	3858.6	3482.0	3379.4	3537.2	3858.6
20°	8819.3	8606.3	7936.0	6260.0	5079.0	4264.7	3625.9	3247.3	3290.7	3590.4	3925.6
22.5°	10412.4	10093.0	9099.2	6642.5	5161.8	4227.3	3578.6	3381.4	3620.0	3874.3	4095.2
25°	10727.8	10477.4	9308.2	6729.3	5144.1	4201.6	3712.6	3811.2	4077.4	4203.6	4126.7
27.5°	10905.3	10619.4	9294.4	6299.5	4599.9	3811.2	3549.0	3712.6	3779.7	3657.4	3448.4
30°	11319.3	11021.6	9529.1	5848.0	3787.6	2827.4	2478.4	2411.3	2456.7	2480.4	2405.4
32.5°	11889.1	11595.4	9970.7	5552.2	3274.9	2338.4	1995.3	1900.7	1879.0	1853.4	1823.8
35°	12626.6	12175.0	10404.5	5362.9	3064.0	2162.9	1847.5	1774.5	1744.9	1709.4	1677.9
37.5°	13375.8	12902.6	10952.6	5163.8	2924.0	2040.7	1748.9	1715.3	1664.1	1626.6	1581.3
40°	14172.3	13642.0	11451.4	4990.3	2787.9	1961.8	1677.9	1673.9	1606.9	1563.5	1510.3
42.5°	14862.4	14316.3	11897.0	4883.8	2683.4	1879.0	1634.5	1646.3	1577.3	1512.3	1443.3
45°	15410.5	14874.3	12309.1	4883.8	2598.7	1796.2	1626.6	1618.7	1549.7	1468.9	1390.0
47.5°	15891.6	15337.6	12711.3	5008.0	2545.4	1727.2	1583.2	1597.0	1526.1	1423.5	1346.6
50°	16264.3	15775.3	13253.5	5201.3	2492.2	1672.0	1528.0	1603.0	1506.4	1399.9	1311.2
52.5°	16739.4	16301.7	13906.2	5465.5	2446.8	1610.9	1478.7	1603.0	1504.4	1401.9	1305.2
55°	17398.0	16936.6	14692.9	5684.3	2373.9	1553.7	1435.4	1557.6	1498.5	1392.0	1289.5
57.5°	17859.4	17514.3	15248.9	5830.2	2269.4	1480.7	1395.9	1514.2	1472.8	1354.5	1242.1
58°	17881.0	17543.9	15329.7	5863.7	2243.8	1466.9	1386.1	1494.5	1461.0	1338.8	1226.4
60°	17632.6	17342.8	15345.5	5816.4	2097.9	1397.9	1334.8	1413.7	1397.9	1246.1	1141.6
62.5°	16729.6	16420.0	14708.6	5431.9	1904.6	1313.1	1256.0	1305.2	1269.8	1116.0	1019.4
65°	15446.0	14876.2	13399.4	4828.6	1766.6	1222.4	1149.5	1153.4	1116.0	1005.5	920.8
67.5°	13736.6	13099.8	11345.0	4069.5	1662.1	1121.9	1023.3	1013.4	968.1	897.1	828.1
70°	11632.8	11197.1	9219.5	3310.4	1545.8	1011.5	881.3	875.4	847.8	794.6	733.5
72.5°	9428.5	8874.5	7445.0	2649.9	1403.8	905.0	749.2	761.1	725.6	688.1	632.9
75°	6958.0	6595.2	5755.3	2125.5	1212.6	788.7	625.0	629.0	613.2	573.8	530.4
77.5°	4582.2	4473.7	4116.8	1395.9	932.6	627.0	510.7	514.6	502.8	467.3	421.9
80°	3083.7	3010.7	2789.9	899.1	623.0	453.5	394.3	398.3	396.3	358.8	297.7
82.5°	1900.7	1869.1	1798.2	607.3	431.8	325.3	260.3	272.1	293.8	252.4	203.1
85°	897.1	899.1	1086.4	331.2	254.3	209.0	142.0	151.8	151.8	151.8	114.4
87.5°	116.3	122.2	149.8	140.0	92.7	78.9	51.3	43.4	37.5	49.3	35.5
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°	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2
2.5°	6506.5	6467.1	6382.3	6362.6	6350.7	6384.3	6295.5	6319.2	6279.8	6390.2	6372.4
5°	5447.7	5451.7	5520.7	5566.0	5581.8	5566.0	5506.9	5404.3	5325.5	5293.9	5301.8
7.5°	4694.5	4763.5	4881.8	5013.9	5134.2	5169.7	5136.2	4941.0	4728.1	4594.0	4550.6
10°	4444.1	4536.8	4672.8	4777.3	4883.8	4968.6	4986.3	4834.5	4582.2	4264.7	4140.5
12.5°	4457.9	4584.1	4714.3	4747.8	4737.9	4771.4	4755.7	4730.0	4564.4	4160.2	3953.2
15°	4327.8	4477.7	4568.4	4550.6	4519.1	4489.5	4448.1	4383.0	4323.9	4039.9	3811.2
17.5°	4028.1	4181.9	4256.8	4262.7	4262.7	4254.9	4154.3	4130.6	4122.8	3984.7	3844.7
20°	4083.3	4168.1	4134.6	4079.4	4095.2	4148.4	4089.2	4077.4	4122.8	4183.9	4158.2
22.5°	4114.9	4085.3	3832.9	3588.4	3533.2	3698.8	3732.4	3864.5	4047.8	4268.7	4412.6
25°	3919.7	3681.1	3229.6	2953.6	2797.8	2951.6	3152.7	3397.2	3671.2	3955.2	4122.8
27.5°	3276.9	3095.5	2772.2	2523.7	2387.7	2411.3	2582.9	2805.7	3060.0	3251.3	3373.5
30°	2468.5	2387.7	2220.1	2135.3	2052.5	2032.8	2105.7	2190.5	2302.9	2326.6	2358.1
32.5°	1817.9	1806.0	1815.9	1788.3	1772.5	1770.6	1748.9	1768.6	1780.4	1794.2	1766.6
35°	1644.4	1628.6	1601.0	1593.1	1583.2	1587.2	1577.3	1567.5	1575.4	1587.2	1595.1
37.5°	1555.6	1532.0	1492.6	1478.7	1478.7	1484.7	1468.9	1464.9	1478.7	1516.2	1535.9
40°	1486.6	1459.0	1413.7	1395.9	1407.8	1423.5	1401.9	1394.0	1427.5	1466.9	1498.5
42.5°	1421.6	1399.9	1356.5	1336.8	1346.6	1376.2	1344.7	1338.8	1382.1	1425.5	1463.0
45°	1366.4	1344.7	1305.2	1295.4	1299.3	1326.9	1305.2	1305.2	1346.6	1394.0	1427.5
47.5°	1323.0	1295.4	1269.8	1261.9	1265.8	1281.6	1277.6	1277.6	1317.1	1366.4	1399.9
50°	1279.6	1256.0	1222.4	1226.4	1236.2	1257.9	1256.0	1261.9	1301.3	1362.4	1397.9
52.5°	1259.9	1224.4	1186.9	1190.9	1220.5	1246.1	1238.2	1244.1	1289.5	1403.8	1455.1
55°	1238.2	1190.9	1147.5	1153.4	1186.9	1224.4	1214.5	1222.4	1275.7	1431.4	1502.4
57.5°	1196.8	1141.6	1094.3	1098.2	1147.5	1186.9	1171.2	1181.0	1244.1	1401.9	1476.8
58°	1179.1	1131.7	1086.4	1088.4	1135.7	1179.1	1161.3	1169.2	1234.3	1394.0	1464.9
60°	1104.1	1076.5	1037.1	1039.1	1084.4	1121.9	1112.0	1119.9	1183.0	1336.8	1390.0
62.5°	1001.6	985.8	976.0	976.0	1003.6	1039.1	1048.9	1058.8	1116.0	1208.6	1256.0
65°	891.2	891.2	893.2	893.2	910.9	956.3	962.2	987.8	1041.0	1086.4	1121.9
67.5°	816.3	812.3	816.3	806.4	814.3	841.9	871.5	895.1	950.3	981.9	993.7
70°	719.7	717.7	719.7	705.9	715.7	739.4	759.1	798.5	855.7	879.4	885.3
72.5°	625.0	625.0	629.0	619.1	619.1	644.7	658.5	701.9	755.1	768.9	770.9
75°	526.4	532.3	532.3	518.5	522.5	538.3	556.0	591.5	640.8	650.6	650.6
77.5°	418.0	439.7	439.7	425.9	431.8	433.8	457.4	475.2	512.6	516.6	500.8
80°	303.6	325.3	343.1	331.2	341.1	329.3	343.1	354.9	392.4	374.6	349.0
82.5°	216.9	232.7	246.5	248.4	238.6	216.9	234.6	236.6	254.3	230.7	216.9
85°	120.3	134.1	151.8	143.9	128.2	114.4	120.3	124.2	122.2	116.3	108.4
87.5°	31.5	33.5	37.5	27.6	25.6	21.7	29.6	29.6	33.5	35.5	33.5
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°	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2
2.5°	6386.2	6473.0	6660.3	6802.2	6975.8	7186.7	7435.2	7685.6	7955.7	8040.5	8158.8
5°	5284.1	5500.9	5591.6	5849.9	6106.3	6490.7	6900.8	7376.0	7896.5	8146.9	8387.5
7.5°	4515.1	4631.4	4726.1	4915.4	5222.9	5690.2	6204.8	6798.3	7535.7	7900.5	8253.4
10°	4101.1	4112.9	4229.2	4463.9	4732.0	5144.1	5631.1	6295.5	7117.7	7561.3	7975.4
12.5°	3827.0	3775.7	3901.9	4146.4	4450.1	4830.6	5278.2	5911.1	6816.1	7271.5	7772.3
15°	3586.5	3505.6	3600.3	3850.7	4150.4	4597.9	5079.0	5749.4	6697.8	7228.1	7784.1
17.5°	3592.4	3369.6	3403.1	3614.1	3911.8	4367.2	4950.9	5743.5	6877.2	7488.4	8146.9
20°	4036.0	3679.1	3527.3	3566.7	3854.6	4351.5	5010.0	6019.5	7466.7	8357.9	9061.8
22.5°	4471.7	4256.8	4012.3	3931.5	4089.2	4609.8	5386.6	6672.1	8748.3	10091.0	11362.7
25°	4319.9	4503.3	4442.2	4327.8	4363.3	4795.1	5642.9	7208.4	9744.0	11256.2	12451.1
27.5°	3456.3	3789.5	3856.6	3854.6	3868.4	4223.3	5075.1	6847.6	9868.2	11479.0	12620.6
30°	2429.1	2458.7	2494.2	2563.2	2626.3	2943.7	3970.9	6011.6	9813.0	11579.6	12723.2
32.5°	1752.8	1792.2	1841.5	1936.2	2086.0	2490.2	3474.1	5745.4	10104.8	11995.6	13022.9
35°	1603.0	1648.3	1695.6	1804.1	1946.0	2320.7	3276.9	5635.0	10583.9	12669.9	13561.1
37.5°	1555.6	1606.9	1648.3	1727.2	1841.5	2198.4	3097.5	5560.1	11074.8	13383.7	14282.8
40°	1522.1	1581.3	1614.8	1677.9	1756.8	2086.0	2937.8	5500.9	11550.0	14036.3	14862.4
42.5°	1492.6	1553.7	1597.0	1642.4	1707.5	1985.5	2795.8	5441.8	11962.1	14669.2	15440.1
45°	1457.1	1534.0	1589.2	1624.7	1681.8	1900.7	2687.4	5394.5	12431.4	15231.1	16023.7
47.5°	1427.5	1512.3	1581.3	1622.7	1644.4	1841.5	2600.6	5459.5	12995.3	15818.7	16565.9
50°	1429.5	1510.3	1597.0	1662.1	1604.9	1792.2	2547.4	5717.8	13728.7	16516.6	16993.8
52.5°	1492.6	1591.1	1660.1	1675.9	1549.7	1733.1	2519.8	6169.3	14596.2	17133.8	17425.6
55°	1563.5	1666.1	1741.0	1731.1	1520.2	1658.2	2513.9	6650.4	15546.6	17853.4	17987.5
57.5°	1537.9	1687.7	1802.1	1750.8	1522.1	1585.2	2488.2	7038.8	16341.2	18391.7	18543.5
58°	1530.0	1679.9	1810.0	1746.9	1516.2	1563.5	2482.3	7072.4	16451.6	18429.2	18622.4
60°	1453.1	1610.9	1804.1	1717.3	1482.7	1504.4	2417.3	7180.8	16422.0	18235.9	18669.7
62.5°	1313.1	1443.3	1668.0	1573.4	1380.2	1425.5	2271.4	7046.7	15621.5	17305.3	17977.7
65°	1155.4	1252.0	1401.9	1384.1	1234.3	1344.7	2072.2	6516.4	14018.5	15795.0	16502.8
67.5°	1037.1	1116.0	1210.6	1185.0	1110.0	1236.2	1857.3	5619.2	12220.4	13981.1	14872.3
70°	916.8	977.9	1025.3	1007.5	983.9	1129.8	1666.1	4560.5	10497.2	12257.8	13121.4
72.5°	794.6	851.8	891.2	865.6	851.8	1017.4	1510.3	3539.1	8290.9	10112.7	11222.7
75°	664.5	721.6	749.2	719.7	711.8	897.1	1279.6	2644.0	6220.6	7796.0	8754.2
77.5°	514.6	575.7	611.2	601.4	605.3	737.4	1033.2	1810.0	4448.1	5313.6	6323.1
80°	360.8	427.9	451.5	441.7	469.3	561.9	729.5	1149.5	3067.9	3448.4	4160.2
82.5°	222.8	285.9	289.8	299.7	319.4	416.0	550.1	699.9	1926.3	1991.4	2508.0
85°	112.4	136.0	145.9	161.7	179.4	254.3	313.5	433.8	1240.2	938.5	1401.9
87.5°	37.5	39.4	47.3	59.1	73.0	104.5	134.1	177.4	307.6	169.6	433.8
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°	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2	7500.2
2.5°	8397.3	8564.9	8687.2	8799.5	8691.1	8681.2	8574.8	8403.2	8332.3	8332.3
5°	8892.2	9284.6	9602.0	9805.1	9718.3	9509.3	9164.3	8724.6	8488.0	8446.6
7.5°	9028.3	9803.1	10392.7	10601.6	10455.7	9994.4	9333.9	8592.5	8253.4	8178.5
10°	8945.4	9953.0	10818.5	11149.8	10946.7	10248.7	9347.7	8438.7	8020.7	7934.0
12.5°	8858.7	9972.7	10897.4	11376.5	11244.4	10453.8	9448.2	8338.2	7855.1	7730.9
15°	8921.8	9980.6	10800.8	11295.7	11380.5	10700.2	9613.8	8411.1	7821.6	7689.5
17.5°	9320.1	10130.4	10662.8	11063.0	11360.7	11035.4	10085.1	8760.1	8121.3	7957.6
20°	10152.1	10489.3	10741.6	11051.2	11530.3	11719.6	11049.2	9718.3	8963.2	8819.3
22.5°	12561.5	12500.4	11983.8	11977.9	12671.9	13431.0	13385.6	11666.3	10530.7	10412.4
25°	13464.5	13180.6	12433.3	12251.9	12557.5	13728.7	13559.1	12064.6	11015.7	10727.8
27.5°	13111.6	12407.7	11916.8	11875.3	11774.8	12880.9	13289.0	12226.3	11185.3	10905.3
30°	13089.9	12054.8	11352.9	11435.7	11532.3	12589.1	13438.9	12733.0	11619.0	11319.3
32.5°	13143.1	12104.1	11394.3	11410.0	11697.9	12632.5	13604.5	13285.1	12188.8	11889.1
35°	13358.0	12384.0	11658.5	11621.0	12070.5	12916.4	13886.4	14152.6	12967.6	12626.6
37.5°	13705.1	12942.0	12141.5	12131.7	12784.3	13429.0	14237.4	15028.0	13742.5	13375.8
40°	14215.7	13594.6	13001.2	12947.9	13754.3	14263.0	14692.9	15960.6	14643.6	14172.3
42.5°	14832.8	14377.4	14134.9	14345.8	15120.7	15199.6	15402.7	16822.3	15410.5	14862.4
45°	15404.6	15382.9	15720.1	16280.0	16731.6	16258.4	16144.0	17400.0	16006.0	15410.5
47.5°	16084.9	16672.4	17689.8	18510.0	18983.2	17490.7	16776.9	17776.5	16439.8	15891.6
50°	16774.9	18216.2	19840.9	20984.4	21085.0	18829.4	17212.6	18131.4	16834.1	16264.3
52.5°	17500.5	19448.5	21611.4	22940.3	22745.1	19994.7	17634.6	18372.0	17240.3	16739.4
55°	18131.4	20203.7	22601.2	23876.9	23591.0	20704.5	18090.0	18632.2	17819.9	17398.0
57.5°	18484.4	20266.8	22354.8	23468.7	23159.2	20566.5	18299.0	18825.5	18190.6	17859.4
58°	18535.6	20182.0	22135.9	23232.1	22916.7	20450.1	18297.1	18817.6	18214.3	17881.0
60°	18490.3	19631.9	21321.6	22297.6	21966.3	19720.6	18222.1	18669.7	17914.6	17632.6
62.5°	18070.3	18677.6	19915.8	20625.6	20531.0	18581.0	17914.6	18111.7	17001.7	16729.6
65°	17518.3	17376.3	18115.7	18618.4	18689.4	17727.3	17609.0	16905.1	15830.5	15446.0
67.5°	16847.9	15901.5	15899.5	16185.4	16303.7	16414.1	16972.1	15593.9	14142.8	13736.6
70°	15710.2	13628.2	13001.2	13338.3	13239.7	14172.3	15834.5	13752.4	12108.0	11632.8
72.5°	13624.2	10814.6	9811.0	10244.8	9996.3	11114.3	13854.9	11317.4	10012.1	9428.5
75°	11043.3	8089.7	7054.6	7452.9	7299.1	8430.8	11528.3	8219.9	7180.8	6958.0
77.5°	8574.8	5861.8	5260.4	5205.2	5319.6	6273.8	8456.5	5550.2	4734.0	4582.2
80°	5508.8	4195.7	4231.2	4160.2	4219.4	3955.2	5134.2	3541.1	3205.9	3083.7
82.5°	3625.9	2924.0	3485.9	3217.8	3056.1	2659.8	3367.6	2318.7	1967.7	1900.7
85°	2470.5	2153.1	1959.8	1498.5	1764.6	2048.6	2525.7	1248.1	989.8	897.1
87.5°	1116.0	749.2	550.1	339.1	536.3	619.1	1226.4	145.9	112.4	116.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)