

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: P528472

Luminaire Tested: **GALN-SA3C-740-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-740-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15631 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

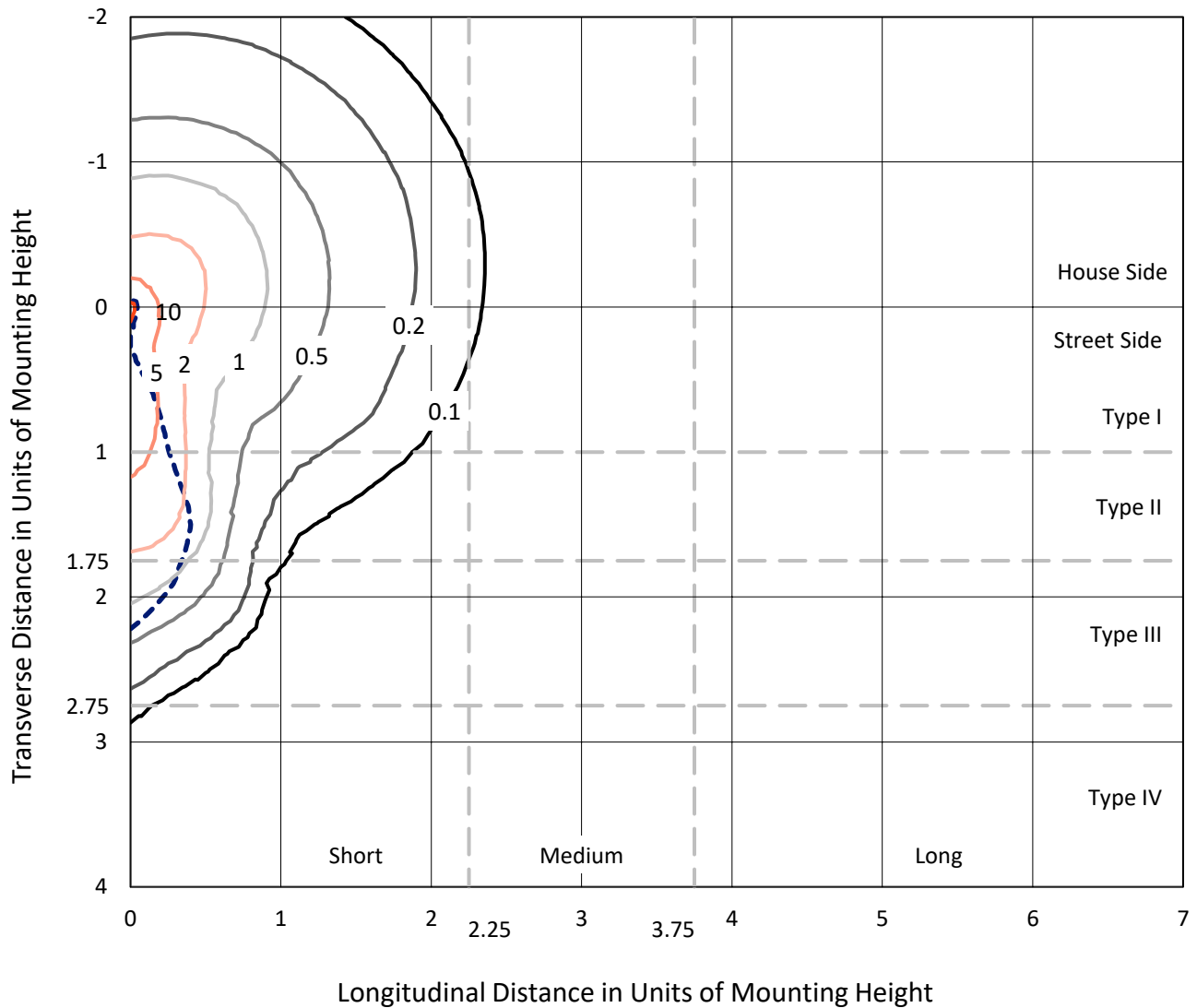
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

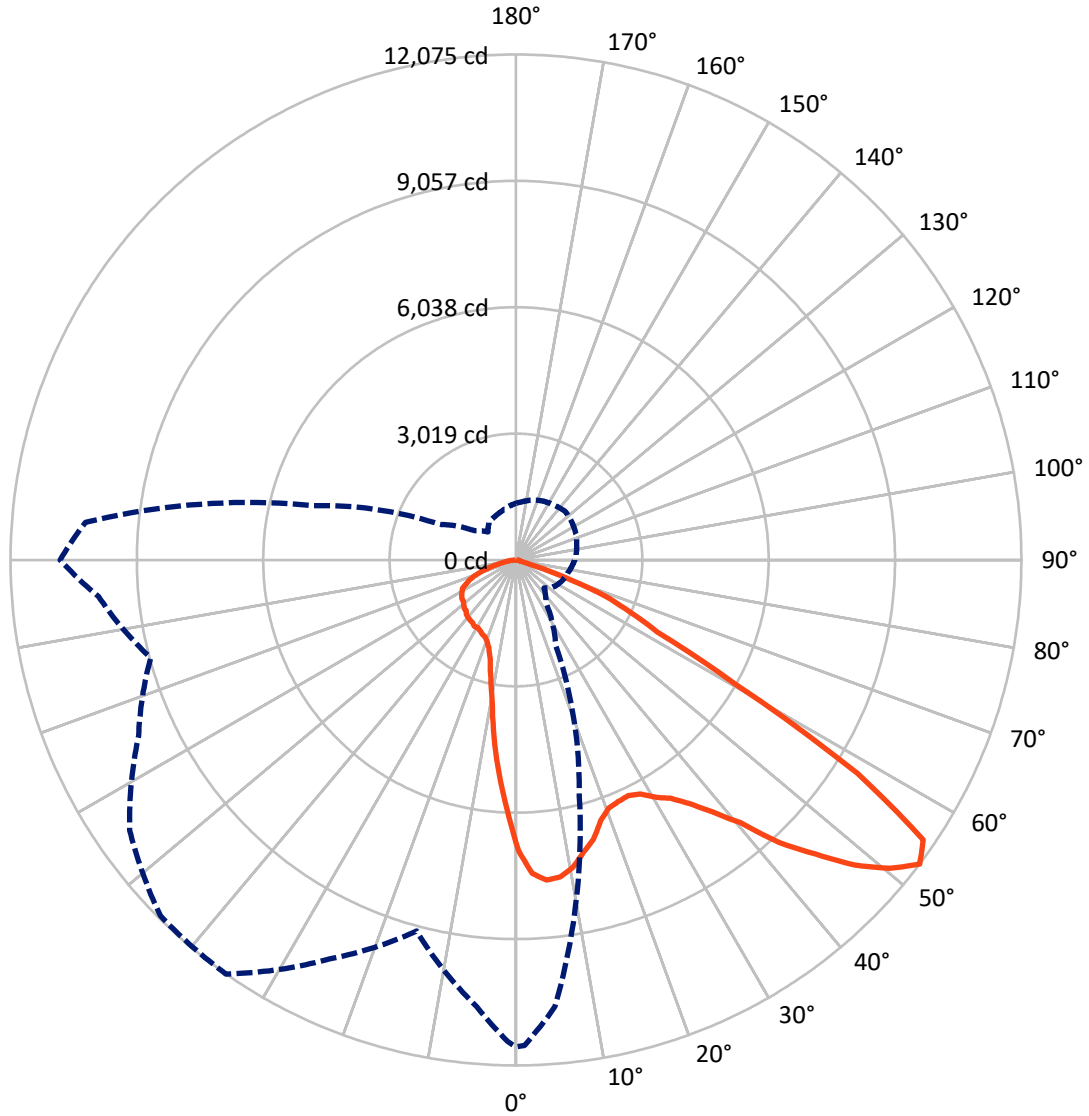
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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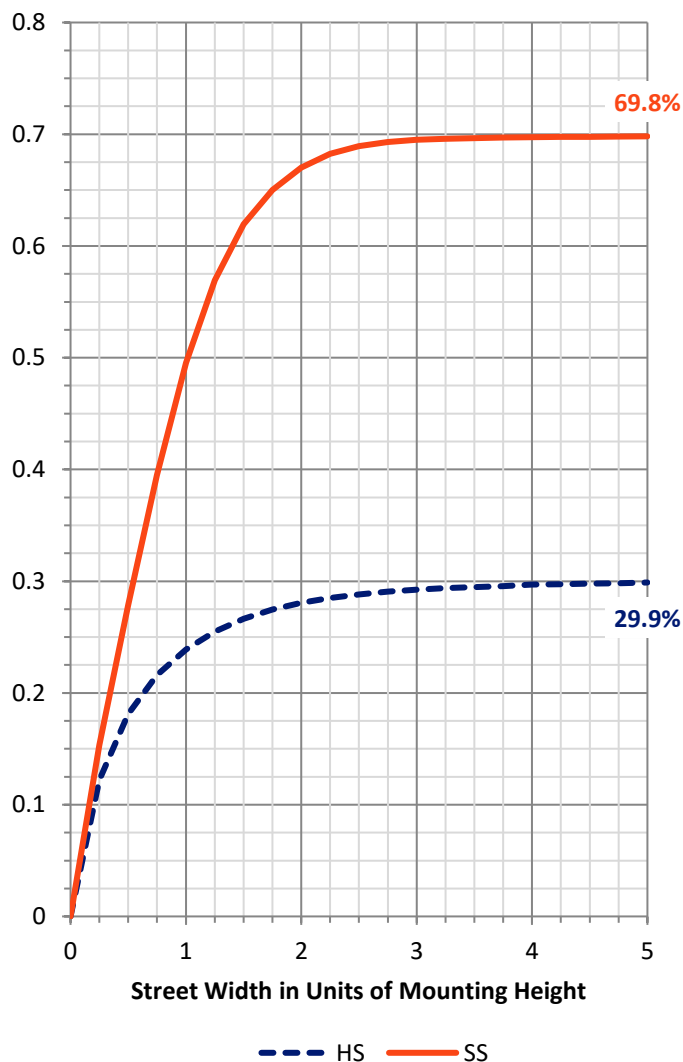
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4712.1	0.0	4712.1
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	10918.9	0.0	10918.9
	% Fixture	69.9	0.0	69.9
Total	Lumens	15631.0	0.0	15631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.2	3.4
10°-20°	1147.3	7.3
20°-30°	1733.5	11.1
30°-40°	2505.0	16.0
40°-50°	3333.7	21.3
50°-60°	3728.8	23.9
60°-70°	2101.5	13.4
70°-80°	468.5	3.0
80°-90°	83.4	0.5
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°	15631.0	100.0
0°-180°	15631.0	100.0

Coefficient of Utilization



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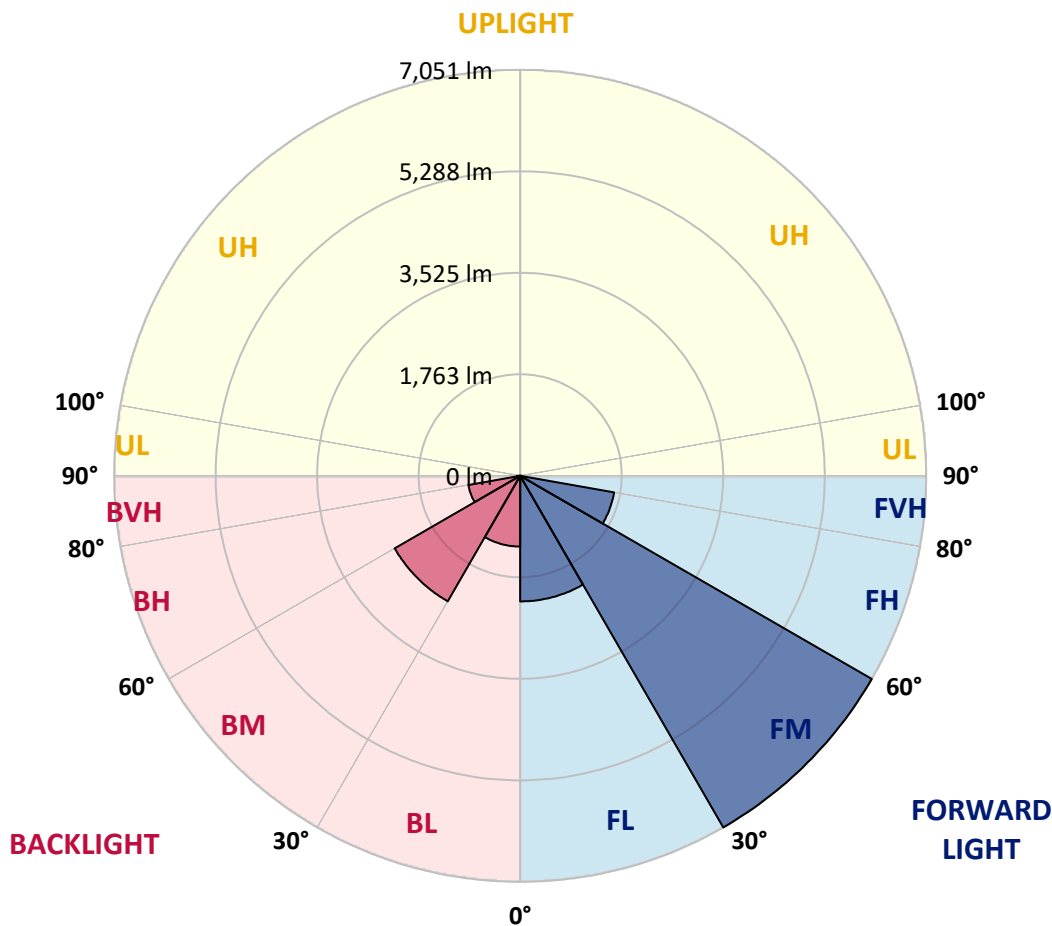
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2181.3	14.0			
FM (30°-60°)	7050.8	45.1			
FH (60°-80°)	1656.7	10.6			G1/1800
FVH (80°-90°)	30.2	0.2			G1/100
BL (0°-30°)	1228.8	7.9	B3/2500		
BM (30°-60°)	2516.7	16.1	B3/5000		
BH (60°-80°)	913.4	5.8	B2/1000		G2/1000
BVH (80°-90°)	53.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1
2.5°	7052.7	7166.0	7043.6	6826.1	6672.1	6531.6	6384.3	6354.9	6162.3	6128.3	5987.9
5°	6651.7	6626.8	6477.2	6191.8	5876.9	5591.4	5380.7	5176.8	5038.6	4877.7	4866.4
7.5°	6164.6	6019.6	5933.5	5500.8	5111.1	4662.5	4469.9	4159.6	4062.1	3917.1	3842.4
10°	5729.6	5623.1	5421.5	4988.8	4445.0	4148.2	3942.1	3774.4	3661.1	3511.6	3323.6
12.5°	5514.4	5471.3	5244.8	4574.2	4170.9	3853.7	3708.7	3545.6	3353.0	3112.9	3020.0
15°	5552.9	5407.9	5235.7	4494.9	3937.5	3631.7	3400.6	3196.7	2949.8	2720.9	2587.3
17.5°	5840.6	5729.6	5385.2	4544.7	3849.2	3407.4	2988.3	2686.9	2464.9	2258.8	2165.9
20°	6407.0	6246.1	5858.7	4608.1	3658.9	3094.8	2614.5	2242.9	2005.0	1896.3	1864.6
22.5°	7034.6	6939.4	6320.9	4750.9	3507.1	2804.8	2218.0	1846.4	1758.1	1728.6	1787.5
25°	7798.0	7551.1	7039.1	4984.2	3389.3	2557.8	1882.7	1676.5	1631.2	1660.7	1728.6
27.5°	8378.0	8312.3	7542.0	5204.0	3228.4	2261.0	1694.6	1558.7	1572.3	1601.7	1665.2
30°	9066.8	8733.7	8029.1	5355.8	3083.4	2057.1	1563.2	1527.0	1540.6	1590.4	1622.1
32.5°	9481.4	9356.7	8335.0	5584.6	2915.8	1880.4	1461.3	1427.3	1447.7	1522.5	1597.2
35°	10009.2	9762.3	8713.3	5643.5	2798.0	1810.2	1388.8	1363.9	1411.4	1463.5	1547.4
37.5°	10625.5	10455.5	9236.7	5602.7	2734.5	1737.7	1327.6	1316.3	1350.3	1422.8	1520.2
40°	10990.2	10938.1	9510.8	5627.6	2634.8	1674.2	1257.4	1271.0	1341.2	1397.8	1493.0
42.5°	11341.4	11001.5	9916.3	5618.6	2571.4	1588.2	1264.2	1248.3	1302.7	1368.4	1459.0
45°	11418.4	11080.8	10011.5	5555.1	2494.4	1504.3	1212.1	1218.9	1284.6	1366.1	1425.0
47.5°	11368.6	11119.4	10188.2	5537.0	2421.9	1445.4	1135.0	1216.6	1255.1	1320.8	1404.6
50°	11334.6	11321.0	10337.7	5623.1	2324.5	1352.5	1042.2	1187.2	1225.7	1291.4	1382.0
52.5°	11633.6	11604.2	10711.6	5849.7	2247.4	1252.9	947.0	1112.4	1205.3	1268.7	1357.1
55°	11814.9	11685.7	11352.7	6128.3	2118.3	1121.5	881.3	1019.5	1155.4	1212.1	1302.7
57.5°	10627.7	10539.4	10269.8	5720.5	1900.8	949.3	799.7	924.3	1087.5	1175.8	1268.7
60°	8842.5	8704.3	8013.3	4861.9	1402.4	738.6	749.9	849.6	1069.3	1103.3	1212.1
62.5°	8337.2	7995.1	7054.9	3912.6	1076.1	634.4	672.9	781.6	974.2	1030.8	1139.6
65°	6615.4	6361.7	5047.7	2825.1	720.4	550.5	614.0	704.6	840.5	951.5	1051.2
67.5°	4141.4	3899.0	2693.7	1336.7	503.0	471.2	548.3	643.4	754.4	854.1	965.1
70°	2163.6	1898.5	1243.8	482.6	346.6	385.1	457.6	548.3	657.0	738.6	824.7
72.5°	806.5	654.7	405.5	208.4	240.1	294.5	371.6	437.3	514.3	614.0	661.5
75°	124.6	106.5	104.2	126.9	163.1	213.0	265.1	330.8	398.7	462.2	493.9
77.5°	58.9	56.6	63.4	83.8	108.7	151.8	192.6	256.0	310.4	351.2	369.3
80°	38.5	36.2	40.8	56.6	81.6	113.3	154.1	197.1	246.9	280.9	276.4
82.5°	22.7	24.9	24.9	38.5	56.6	81.6	111.0	149.5	183.5	213.0	194.8
85°	13.6	11.3	11.3	22.7	38.5	65.7	92.9	63.4	65.7	65.7	74.8
87.5°	4.5	4.5	4.5	2.3	4.5	4.5	6.8	11.3	13.6	15.9	20.4
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°	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1
2.5°	5983.3	6053.6	6028.6	5940.3	6008.3	6019.6	5974.3	6130.6	6160.0	6112.5	6126.1
5°	4850.6	4868.7	4909.5	4995.6	5056.7	5129.2	5129.2	5133.8	5072.6	5226.6	5181.3
7.5°	3778.9	3790.3	3837.9	4021.4	4073.5	4211.7	4270.6	4229.8	4107.5	4055.3	4098.4
10°	3262.4	3196.7	3180.8	3203.5	3321.3	3380.2	3430.1	3416.5	3396.1	3355.3	3310.0
12.5°	2918.0	2870.5	2831.9	2777.6	2784.4	2841.0	2879.5	2847.8	2856.9	2865.9	2879.5
15°	2544.2	2510.2	2489.8	2408.3	2399.2	2437.7	2451.3	2469.5	2503.4	2505.7	2489.8
17.5°	2147.7	2118.3	2163.6	2208.9	2177.2	2179.5	2204.4	2220.2	2211.2	2170.4	2150.0
20°	1875.9	1907.6	1952.9	1996.0	2029.9	2050.3	2059.4	2034.5	2005.0	1921.2	1918.9
22.5°	1796.6	1837.4	1875.9	1941.6	1973.3	2025.4	1977.8	1921.2	1880.4	1839.6	1792.1
25°	1737.7	1771.7	1848.7	1873.6	1934.8	1977.8	1943.8	1887.2	1817.0	1758.1	1721.8
27.5°	1694.6	1733.2	1783.0	1851.0	1898.5	1923.5	1889.5	1866.8	1794.3	1724.1	1672.0
30°	1667.4	1708.2	1798.9	1855.5	1896.3	1916.7	1857.8	1830.6	1778.5	1719.6	1674.2
32.5°	1649.3	1685.6	1762.6	1835.1	1862.3	1862.3	1871.3	1839.6	1767.1	1667.4	1628.9
35°	1590.4	1640.3	1703.7	1787.5	1837.4	1866.8	1821.5	1785.3	1737.7	1635.7	1565.5
37.5°	1556.4	1590.4	1672.0	1751.3	1794.3	1826.0	1807.9	1744.5	1681.0	1597.2	1540.6
40°	1520.2	1574.6	1647.1	1721.8	1769.4	1801.1	1787.5	1712.8	1635.7	1556.4	1517.9
42.5°	1495.3	1531.5	1606.3	1690.1	1746.7	1807.9	1767.1	1674.2	1619.9	1511.1	1468.1
45°	1474.9	1533.8	1613.1	1647.1	1706.0	1769.4	1696.9	1640.3	1576.8	1497.5	1461.3
47.5°	1450.0	1504.3	1556.4	1647.1	1674.2	1703.7	1690.1	1599.5	1545.1	1459.0	1434.1
50°	1440.9	1461.3	1556.4	1606.3	1644.8	1674.2	1638.0	1570.0	1517.9	1429.6	1375.2
52.5°	1404.6	1443.2	1504.3	1570.0	1617.6	1653.9	1595.0	1551.9	1481.7	1388.8	1354.8
55°	1359.3	1382.0	1490.7	1558.7	1583.6	1608.5	1585.9	1515.7	1443.2	1348.0	1314.0
57.5°	1300.4	1352.5	1440.9	1536.0	1567.8	1581.4	1545.1	1488.5	1397.8	1314.0	1259.6
60°	1239.3	1293.6	1391.1	1468.1	1499.8	1549.6	1495.3	1461.3	1357.1	1264.2	1205.3
62.5°	1178.1	1239.3	1311.8	1409.2	1436.4	1456.8	1443.2	1395.6	1311.8	1207.5	1135.0
65°	1105.6	1150.9	1241.5	1291.4	1309.5	1357.1	1309.5	1291.4	1216.6	1116.9	1055.7
67.5°	996.8	1035.4	1114.7	1162.2	1175.8	1196.2	1193.9	1173.6	1089.7	1021.8	967.4
70°	872.2	906.2	956.1	1012.7	1019.5	1044.4	1021.8	1017.2	962.9	870.0	840.5
72.5°	700.1	731.8	797.5	822.4	824.7	833.7	822.4	806.5	792.9	695.5	666.1
75°	536.9	555.1	586.8	609.4	609.4	620.8	614.0	598.1	561.9	500.7	471.2
77.5°	373.8	391.9	432.7	446.3	444.0	448.6	428.2	412.3	358.0	326.2	301.3
80°	271.9	283.2	303.6	312.6	314.9	321.7	296.8	283.2	251.5	215.2	203.9
82.5°	197.1	203.9	206.2	217.5	217.5	206.2	199.4	185.8	163.1	140.5	131.4
85°	81.6	83.8	86.1	99.7	102.0	122.3	113.3	106.5	92.9	79.3	72.5
87.5°	20.4	22.7	29.5	24.9	29.5	29.5	31.7	36.2	36.2	29.5	29.5
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°	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1
2.5°	6178.2	6196.3	6427.4	6456.8	6570.1	6685.7	6919.0	7086.7	7222.6	7311.0	7335.9
5°	5228.9	5344.4	5450.9	5623.1	5779.4	6001.5	6257.5	6574.6	6973.4	7177.3	7258.8
7.5°	4093.9	4229.8	4383.9	4551.5	4780.3	5179.1	5521.2	5888.2	6397.9	6608.6	6928.1
10°	3341.7	3493.5	3697.4	3826.5	4102.9	4483.5	4882.3	5305.9	5793.0	6096.6	6465.9
12.5°	2954.3	3078.9	3266.9	3538.8	3745.0	3991.9	4288.7	4823.4	5521.2	5808.9	6062.6
15°	2526.1	2664.3	2881.8	3183.1	3430.1	3724.6	4057.6	4639.9	5383.0	5827.0	6042.2
17.5°	2172.7	2272.4	2501.2	2761.7	3044.9	3366.6	3844.6	4630.8	5528.0	6096.6	6447.8
20°	1928.0	1941.6	2066.2	2288.2	2673.4	3092.5	3713.2	4585.5	5992.4	6561.1	7005.1
22.5°	1773.9	1760.3	1762.6	1950.6	2220.2	2822.9	3507.1	4739.5	6520.3	7299.6	7598.7
25°	1696.9	1660.7	1638.0	1678.8	1923.5	2503.4	3350.8	4943.4	7088.9	7909.1	8276.1
27.5°	1656.1	1592.7	1547.4	1554.2	1733.2	2342.6	3253.3	5031.8	7653.0	8758.6	8887.8
30°	1640.3	1561.0	1495.3	1472.6	1590.4	2118.3	3044.9	5183.6	8158.3	9225.3	9336.4
32.5°	1583.6	1486.2	1422.8	1402.4	1450.0	1921.2	2895.4	5292.3	8604.6	9732.8	9694.3
35°	1517.9	1436.4	1357.1	1318.6	1352.5	1794.3	2775.3	5240.2	9130.2	10127.0	10106.6
37.5°	1511.1	1404.6	1338.9	1275.5	1273.2	1638.0	2612.2	5290.1	9465.5	10833.9	10555.2
40°	1452.2	1384.3	1298.2	1246.1	1216.6	1558.7	2453.6	5172.3	9957.1	11119.4	10845.2
42.5°	1454.5	1352.5	1277.8	1216.6	1187.2	1443.2	2344.9	5140.5	10129.3	11583.8	10981.2
45°	1418.2	1318.6	1255.1	1182.6	1166.8	1354.8	2240.6	4993.3	10432.9	11606.4	10811.2
47.5°	1382.0	1293.6	1225.7	1139.6	1103.3	1323.1	2159.1	4870.9	10274.3	11393.5	10575.6
50°	1357.1	1255.1	1191.7	1130.5	1028.6	1268.7	2052.6	4841.5	10052.3	11105.8	10138.4
52.5°	1314.0	1223.4	1157.7	1110.1	947.0	1218.9	2011.8	5013.7	10324.1	10890.5	10011.5
55°	1273.2	1180.4	1096.5	1003.6	879.0	1087.5	1898.5	5174.5	10720.6	11386.7	10586.9
57.5°	1230.2	1141.8	1051.2	940.2	813.3	951.5	1780.7	5204.0	9977.5	10523.5	10050.0
60°	1173.6	1060.3	992.3	847.3	743.1	788.4	1411.4	4587.8	7739.1	8788.1	8804.0
62.5°	1110.1	987.8	928.9	759.0	670.6	679.7	1150.9	3856.0	6277.9	7274.7	7707.4
65°	1026.3	908.5	838.3	702.3	618.5	589.0	842.8	2825.1	4769.0	5901.8	6393.4
67.5°	917.6	806.5	718.2	611.7	552.8	505.2	575.5	1590.4	2816.1	3962.5	4112.0
70°	802.0	706.9	614.0	525.6	459.9	425.9	421.4	704.6	1345.7	2131.9	2426.4
72.5°	632.1	564.1	489.4	423.7	380.6	330.8	301.3	292.3	455.4	867.7	1198.5
75°	453.1	396.5	353.4	310.4	278.7	251.5	228.8	208.4	190.3	217.5	299.1
77.5°	285.5	265.1	231.1	219.8	201.6	194.8	185.8	174.4	160.9	151.8	151.8
80°	192.6	179.0	167.7	165.4	158.6	156.3	158.6	147.3	133.7	122.3	126.9
82.5°	129.1	126.9	124.6	122.3	124.6	126.9	131.4	129.1	117.8	111.0	113.3
85°	77.0	81.6	86.1	90.6	99.7	88.4	72.5	61.2	54.4	49.8	47.6
87.5°	29.5	40.8	36.2	34.0	36.2	34.0	31.7	29.5	24.9	22.7	22.7
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°	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1	6937.1
2.5°	7501.3	7546.6	7585.1	7576.0	7496.7	7390.2	7347.2	7127.4	7082.1	7052.7
5°	7603.2	7866.0	7922.7	7888.7	7682.5	7422.0	7168.2	6846.5	6658.5	6651.7
7.5°	7415.2	7739.1	7841.1	7918.1	7644.0	7190.9	6755.9	6273.3	6155.5	6164.6
10°	6937.1	7453.7	7705.2	7784.5	7469.5	7077.6	6475.0	5985.6	5734.1	5729.6
12.5°	6672.1	7077.6	7147.8	7258.8	7166.0	6769.5	6311.8	5763.6	5518.9	5514.4
15°	6436.4	6703.8	6724.2	6880.5	6930.3	6663.0	6354.9	5770.4	5573.3	5552.9
17.5°	6642.6	6456.8	6379.8	6400.2	6547.5	6644.9	6604.1	6155.5	5953.9	5840.6
20°	6780.8	6366.2	6132.9	6155.5	6330.0	6685.7	6975.6	6712.8	6393.4	6407.0
22.5°	7150.1	6379.8	6015.1	5990.1	6266.5	6898.6	7394.8	7417.4	7109.3	7034.6
25°	7702.9	6536.1	5978.8	5972.0	6237.1	7127.4	7884.1	8251.2	7936.2	7798.0
27.5°	8146.9	6780.8	6092.1	6114.7	6330.0	7313.2	8301.0	8788.1	8547.9	8378.0
30°	8536.6	7034.6	6250.7	6146.5	6579.2	7410.6	8480.0	9399.8	9207.2	9066.8
32.5°	8697.5	7394.8	6502.1	6330.0	6785.3	7528.4	8851.5	9993.4	9828.0	9481.4
35°	8969.3	7596.4	6638.1	6624.5	7145.6	7811.6	9026.0	10385.3	10317.3	10009.2
37.5°	9186.8	7800.3	7120.6	6971.1	7639.5	8287.4	9306.9	10926.8	10770.5	10625.5
40°	9354.5	8165.1	7571.5	7768.6	8246.6	8720.1	9565.2	10960.8	11411.6	10990.2
42.5°	9200.4	8491.3	8312.3	8783.6	9236.7	9214.0	9594.6	11223.6	11561.1	11341.4
45°	9161.9	9044.1	9483.6	9911.8	10016.0	9624.1	9383.9	10933.6	11515.8	11418.4
47.5°	9069.0	9587.8	10353.6	11051.4	10892.8	9898.2	9132.5	10881.5	11543.0	11368.6
50°	9037.3	9705.6	10997.0	11676.7	11581.5	10136.1	9014.6	10546.2	11350.4	11334.6
52.5°	9035.0	9948.1	11264.3	12016.5	12075.4	10512.2	9175.5	10716.1	11500.0	11633.6
55°	9137.0	9871.0	11230.4	11828.5	11805.8	10344.5	9193.6	10829.4	11683.5	11814.9
57.5°	8618.2	8842.5	9268.4	9741.9	9619.6	8568.3	8210.4	10011.5	10722.9	10627.7
60°	7442.4	6740.0	6259.7	6237.1	5999.2	5670.7	6719.6	8935.4	8935.4	8842.5
62.5°	6518.0	4424.6	3801.6	3624.9	3794.8	4173.2	6481.8	8690.7	8443.7	8337.2
65°	5700.1	3377.9	2748.1	2698.3	2992.8	3563.7	5861.0	7403.8	6968.9	6615.4
67.5°	3667.9	2474.0	2043.5	1955.2	2310.9	2616.7	3901.3	4553.8	4279.6	4141.4
70°	2365.2	1610.8	1137.3	1067.1	1205.3	1613.1	2492.1	2655.2	2256.5	2163.6
72.5°	1119.2	695.5	398.7	328.5	369.3	616.2	985.5	1060.3	881.3	806.5
75°	355.7	256.0	163.1	140.5	133.7	158.6	226.6	174.4	126.9	124.6
77.5°	158.6	151.8	129.1	108.7	95.2	79.3	65.7	54.4	56.6	58.9
80°	131.4	120.1	106.5	95.2	79.3	61.2	47.6	36.2	36.2	38.5
82.5°	115.5	104.2	92.9	79.3	68.0	49.8	36.2	24.9	22.7	22.7
85°	49.8	58.9	63.4	68.0	54.4	40.8	24.9	15.9	13.6	13.6
87.5°	20.4	18.1	15.9	13.6	11.3	11.3	9.1	6.8	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)