

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: P456266

Luminaire Tested: **GALN-SA7C-730-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456266
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-SA7C-730-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA 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: 38441 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

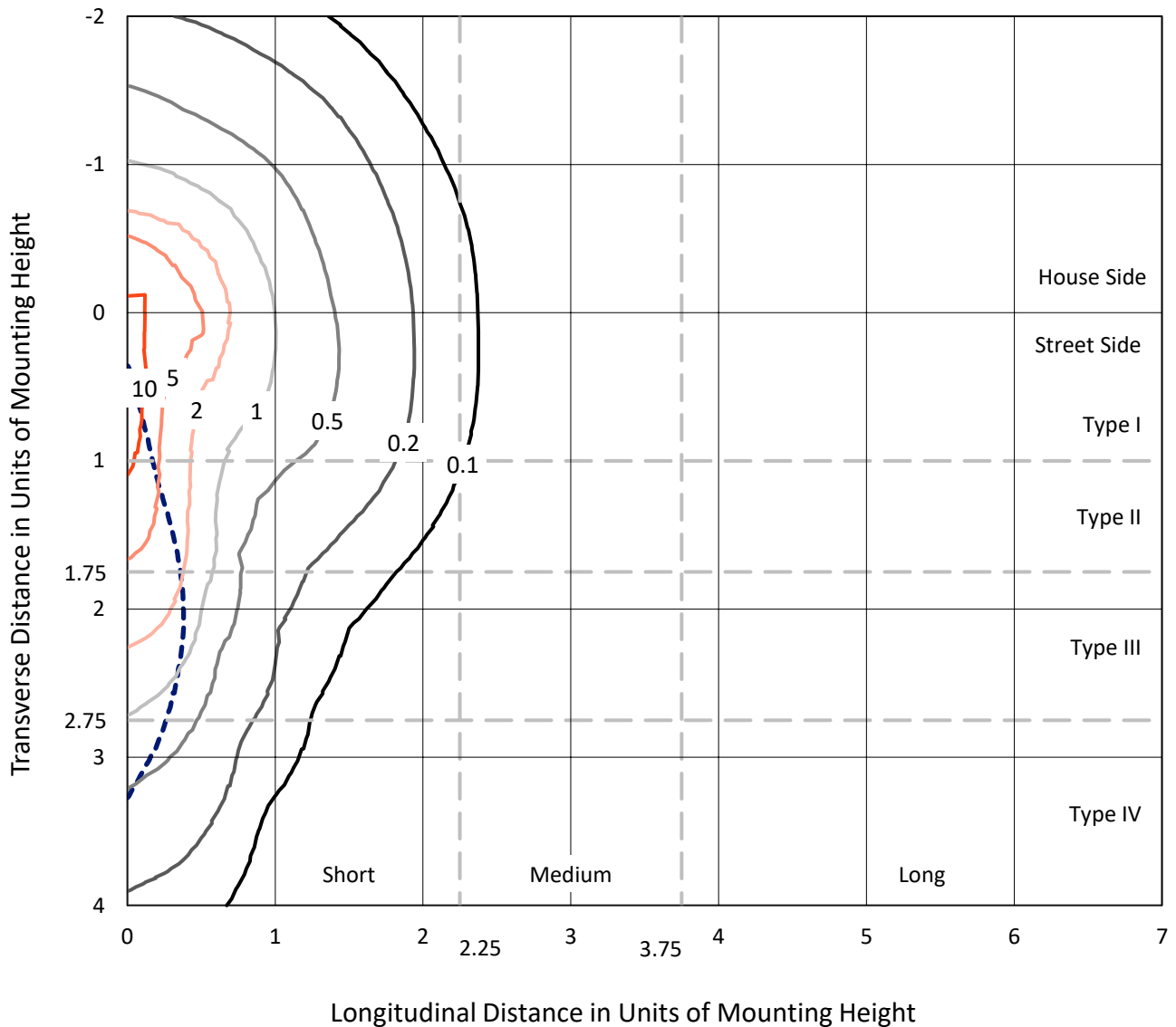
Input Watts (W): 377
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

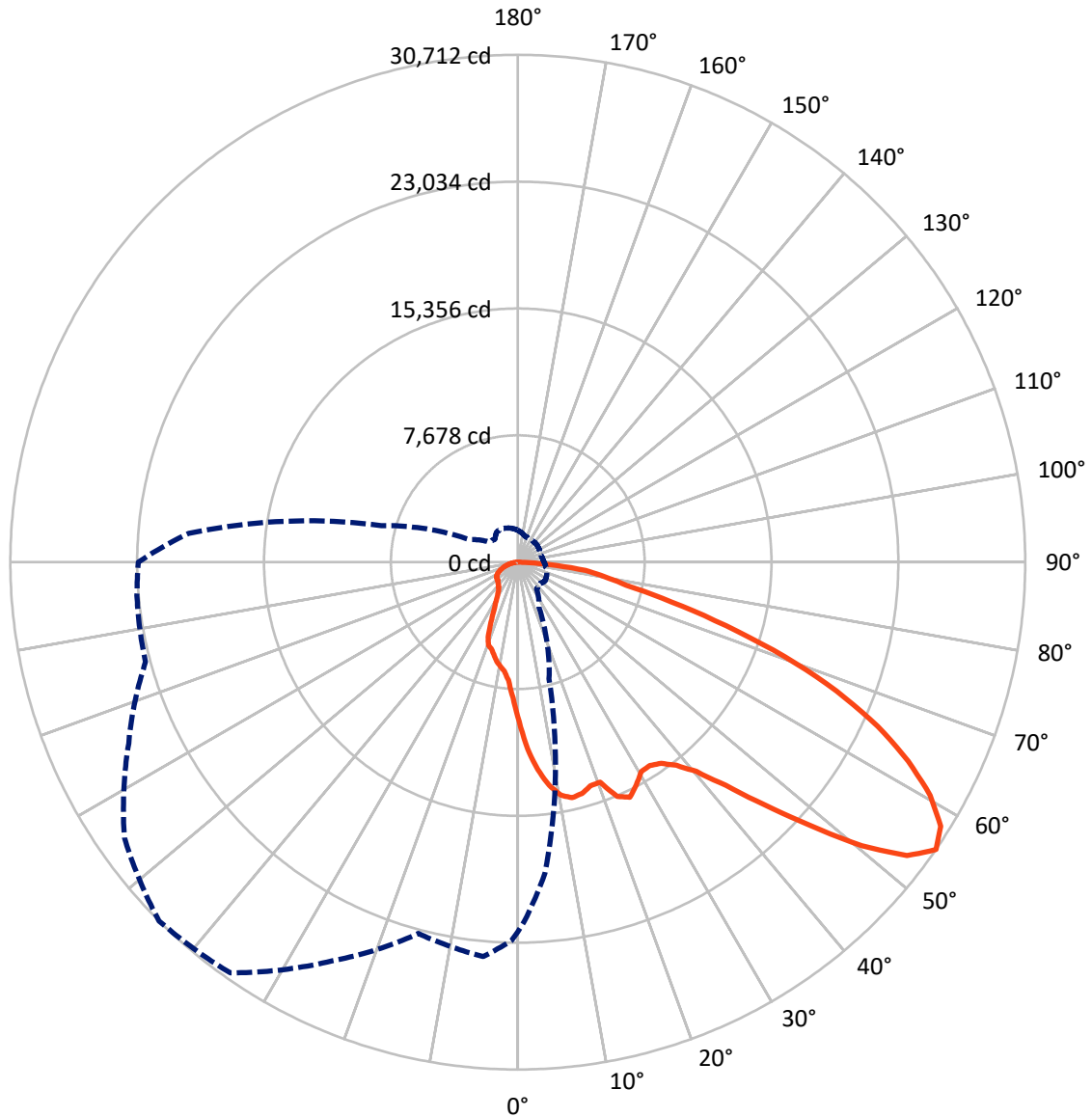
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 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	8408.8	0.0	8408.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	30032.2	0.0	30032.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	38441.0	0.0	38441.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.6	2.1
10°-20°	2169.2	5.6
20°-30°	3747.4	9.7
30°-40°	4355.0	11.3
40°-50°	6076.1	15.8
50°-60°	8244.7	21.4
60°-70°	7843.8	20.4
70°-80°	4237.4	11.0
80°-90°	949.7	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°	38441.0	100.0
0°-180°	38441.0	100.0

Coefficient of Utilization



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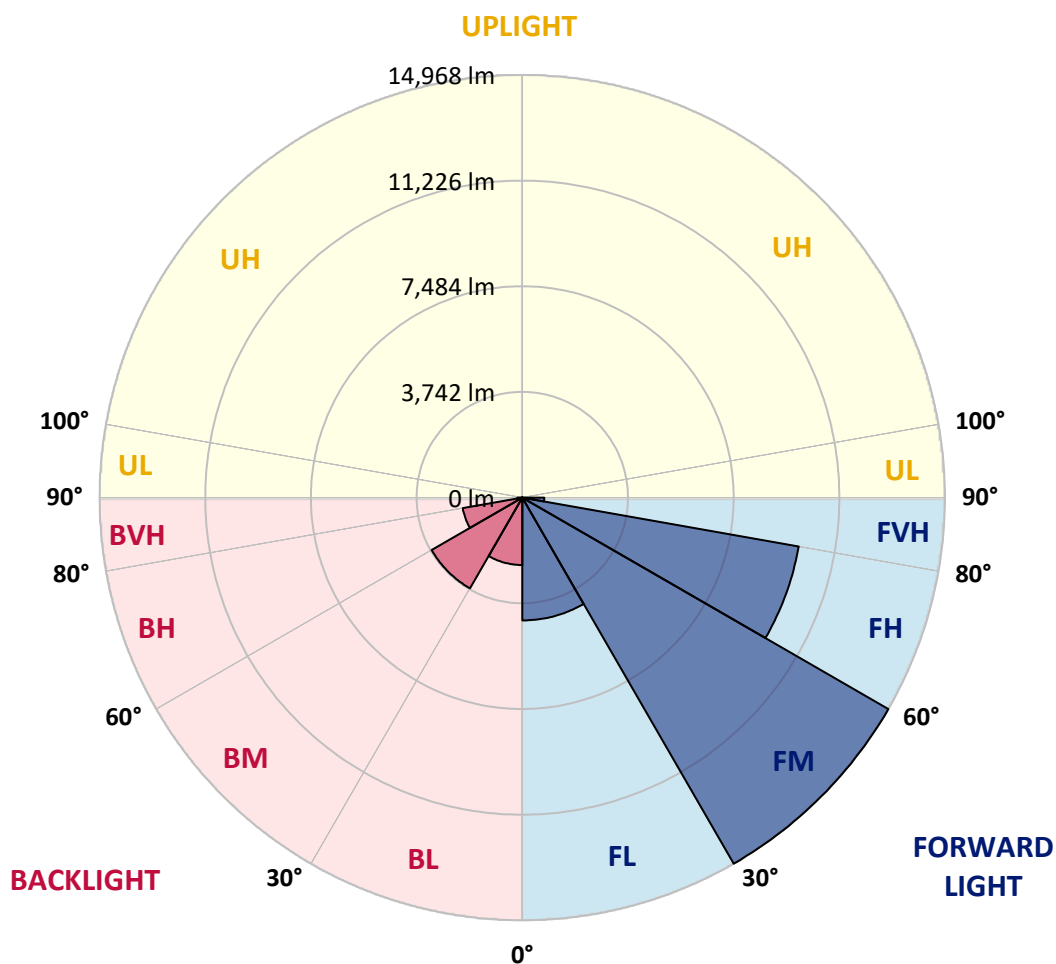
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4347.8	11.3			
FM	(30°-60°)	14968.1	38.9			
FH	(60°-80°)	9940.2	25.9			G4/12000
FVH	(80°-90°)	776.1	2.0			G5
BL	(0°-30°)	2386.4	6.2	B3/2500		
BM	(30°-60°)	3707.7	9.6	B3/5000		
BH	(60°-80°)	2141.1	5.6	B3/2500		G3/2500
BVH	(80°-90°)	173.5	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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2
2.5°	10717.4	10676.8	10562.7	10263.5	9961.7	9654.8	9418.9	9124.8	8817.9	8653.1	8442.6
5°	10864.5	10818.9	10550.0	9875.4	9264.2	8622.6	8110.3	7661.5	7478.9	7210.0	6994.5
7.5°	10519.6	10499.3	10096.1	9127.3	8290.4	7451.0	6870.2	6510.1	6182.9	6061.2	6086.6
10°	10205.1	10124.0	9619.3	8353.8	7377.4	6695.2	6279.3	5926.8	5696.0	5635.1	5647.8
12.5°	9943.9	9834.9	9238.9	7833.9	6979.2	6434.0	5904.0	5536.2	5325.7	5384.1	5581.9
15°	9890.7	9743.6	9079.1	7656.4	6761.1	6058.7	5477.9	5054.4	4897.1	5023.9	5341.0
17.5°	10235.6	10050.4	9353.0	7714.7	6553.2	5675.7	4963.1	4478.7	4346.8	4549.7	4963.1
20°	11343.8	11069.9	10207.7	8052.0	6532.9	5485.5	4663.8	4176.9	4232.7	4618.2	5049.3
22.5°	13393.0	12982.1	11703.9	8544.0	6639.4	5437.3	4603.0	4349.4	4656.2	4983.4	5267.4
25°	13798.7	13476.6	11972.8	8655.6	6616.6	5404.4	4775.4	4902.2	5244.6	5406.9	5308.0
27.5°	14027.0	13659.2	11955.0	8102.7	5916.6	4902.2	4564.9	4775.4	4861.6	4704.4	4435.6
30°	14559.5	14176.6	12256.8	7522.0	4871.8	3636.7	3187.8	3101.6	3159.9	3190.4	3094.0
32.5°	15292.5	14914.6	12824.9	7141.6	4212.4	3007.8	2566.5	2444.8	2416.9	2383.9	2345.9
35°	16241.0	15660.2	13382.8	6898.1	3941.0	2782.1	2376.3	2282.5	2244.4	2198.8	2158.2
37.5°	17204.7	16596.0	14087.8	6642.0	3761.0	2624.8	2249.5	2206.4	2140.4	2092.3	2033.9
40°	18229.2	17547.0	14729.5	6418.8	3586.0	2523.4	2158.2	2153.1	2066.9	2011.1	1942.6
42.5°	19116.9	18414.4	15302.6	6281.8	3451.6	2416.9	2102.4	2117.6	2028.9	1945.2	1856.4
45°	19821.9	19132.1	15832.7	6281.8	3342.5	2310.4	2092.3	2082.1	1993.3	1889.4	1787.9
47.5°	20440.7	19728.0	16350.0	6441.6	3274.1	2221.6	2036.5	2054.2	1962.9	1831.0	1732.1
50°	20920.0	20291.1	17047.4	6690.1	3205.6	2150.6	1965.4	2061.8	1937.6	1800.6	1686.5
52.5°	21531.2	20968.2	17886.9	7030.0	3147.3	2072.0	1902.0	2061.8	1935.0	1803.1	1678.9
55°	22378.2	21784.8	18898.8	7311.5	3053.4	1998.4	1846.3	2003.5	1927.4	1790.5	1658.6
57.5°	22971.7	22527.9	19613.9	7499.1	2919.0	1904.6	1795.5	1947.7	1894.4	1742.3	1597.7
58°	22999.6	22565.9	19717.9	7542.3	2886.0	1886.8	1782.9	1922.3	1879.2	1722.0	1577.4
60°	22680.0	22307.2	19738.2	7481.4	2698.4	1798.1	1716.9	1818.4	1798.1	1602.8	1468.4
62.5°	21518.5	21120.3	18919.0	6986.9	2449.8	1689.0	1615.5	1678.9	1633.2	1435.4	1311.1
65°	19867.5	19134.6	17235.1	6210.8	2272.3	1572.4	1478.5	1483.6	1435.4	1293.4	1184.3
67.5°	17668.8	16849.6	14592.5	5234.4	2137.9	1443.0	1316.2	1303.5	1245.2	1153.9	1065.1
70°	14962.8	14402.3	11858.6	4258.1	1988.3	1301.0	1133.6	1126.0	1090.5	1022.0	943.4
72.5°	12127.5	11414.8	9576.2	3408.5	1805.7	1164.1	963.7	978.9	933.3	885.1	814.1
75°	8949.8	8483.1	7402.8	2733.9	1559.7	1014.4	803.9	809.0	788.7	738.0	682.2
77.5°	5893.8	5754.3	5295.3	1795.5	1199.6	806.5	656.8	661.9	646.7	601.0	542.7
80°	3966.4	3872.6	3588.5	1156.4	801.4	583.3	507.2	512.3	509.7	461.6	382.9
82.5°	2444.8	2404.2	2312.9	781.1	555.4	418.5	334.8	350.0	377.9	324.6	261.2
85°	1153.9	1156.4	1397.4	426.1	327.2	268.8	182.6	195.3	195.3	195.3	147.1
87.5°	149.6	157.2	192.7	180.1	119.2	101.4	65.9	55.8	48.2	63.4	45.6
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°	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2
2.5°	8369.0	8318.3	8209.2	8183.9	8168.7	8211.8	8097.7	8128.1	8077.4	8219.4	8196.6
5°	7007.1	7012.2	7101.0	7159.3	7179.6	7159.3	7083.2	6951.4	6849.9	6809.3	6819.5
7.5°	6038.4	6127.1	6279.3	6449.2	6603.9	6649.6	6606.4	6355.4	6081.5	5909.0	5853.2
10°	5716.3	5835.5	6010.5	6144.9	6281.8	6390.9	6413.7	6218.4	5893.8	5485.5	5325.7
12.5°	5734.0	5896.3	6063.7	6106.8	6094.2	6137.3	6117.0	6084.0	5871.0	5351.1	5084.8
15°	5566.7	5759.4	5876.1	5853.2	5812.7	5774.6	5721.4	5637.7	5561.6	5196.4	4902.2
17.5°	5181.2	5379.0	5475.4	5483.0	5483.0	5472.8	5343.5	5313.1	5302.9	5125.4	4945.3
20°	5252.2	5361.2	5318.1	5247.1	5267.4	5335.9	5259.8	5244.6	5302.9	5381.5	5348.6
22.5°	5292.8	5254.7	4930.1	4615.6	4544.6	4757.7	4800.8	4970.7	5206.5	5490.6	5675.7
25°	5041.7	4734.8	4154.1	3799.0	3598.7	3796.5	4055.2	4369.6	4722.2	5087.3	5302.9
27.5°	4214.9	3981.6	3565.7	3246.2	3071.2	3101.6	3322.2	3608.8	3936.0	4182.0	4339.2
30°	3175.2	3071.2	2855.6	2746.6	2640.0	2614.7	2708.5	2817.6	2962.1	2992.6	3033.1
32.5°	2338.3	2323.0	2335.7	2300.2	2279.9	2277.4	2249.5	2274.8	2290.1	2307.8	2272.3
35°	2115.1	2094.8	2059.3	2049.1	2036.5	2041.5	2028.9	2016.2	2026.3	2041.5	2051.7
37.5°	2001.0	1970.5	1919.8	1902.0	1902.0	1909.7	1889.4	1884.3	1902.0	1950.2	1975.6
40°	1912.2	1876.7	1818.4	1795.5	1810.8	1831.0	1803.1	1793.0	1836.1	1886.8	1927.4
42.5°	1828.5	1800.6	1744.8	1719.5	1732.1	1770.2	1729.6	1722.0	1777.8	1833.6	1881.8
45°	1757.5	1729.6	1678.9	1666.2	1671.3	1706.8	1678.9	1678.9	1732.1	1793.0	1836.1
47.5°	1701.7	1666.2	1633.2	1623.1	1628.2	1648.4	1643.4	1643.4	1694.1	1757.5	1800.6
50°	1645.9	1615.5	1572.4	1577.4	1590.1	1618.0	1615.5	1623.1	1673.8	1752.4	1798.1
52.5°	1620.5	1574.9	1526.7	1531.8	1569.8	1602.8	1592.6	1600.3	1658.6	1805.7	1871.6
55°	1592.6	1531.8	1476.0	1483.6	1526.7	1574.9	1562.2	1572.4	1640.8	1841.2	1932.5
57.5°	1539.4	1468.4	1407.5	1412.6	1476.0	1526.7	1506.4	1519.1	1600.3	1803.1	1899.5
58°	1516.6	1455.7	1397.4	1399.9	1460.8	1516.6	1493.7	1503.9	1587.6	1793.0	1884.3
60°	1420.2	1384.7	1334.0	1336.5	1394.8	1443.0	1430.3	1440.5	1521.6	1719.5	1787.9
62.5°	1288.3	1268.0	1255.4	1255.4	1290.9	1336.5	1349.2	1361.9	1435.4	1554.6	1615.5
65°	1146.3	1146.3	1148.8	1148.8	1171.7	1230.0	1237.6	1270.6	1339.0	1397.4	1443.0
67.5°	1049.9	1044.9	1049.9	1037.3	1047.4	1082.9	1120.9	1151.4	1222.4	1263.0	1278.2
70°	925.7	923.1	925.7	907.9	920.6	951.0	976.4	1027.1	1100.7	1131.1	1138.7
72.5°	803.9	803.9	809.0	796.3	796.3	829.3	847.0	902.8	971.3	989.1	991.6
75°	677.1	684.7	684.7	667.0	672.1	692.3	715.2	760.8	824.2	836.9	836.9
77.5°	537.6	565.5	565.5	547.8	555.4	557.9	588.4	611.2	659.4	664.4	644.2
80°	390.6	418.5	441.3	426.1	438.7	423.5	441.3	456.5	504.7	481.9	448.9
82.5°	279.0	299.3	317.0	319.5	306.9	279.0	301.8	304.3	327.2	296.7	279.0
85°	154.7	172.5	195.3	185.1	164.8	147.1	154.7	159.8	157.2	149.6	139.5
87.5°	40.6	43.1	48.2	35.5	33.0	27.9	38.0	38.0	43.1	45.6	43.1
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°	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2
2.5°	8214.3	8325.9	8566.8	8749.4	8972.6	9244.0	9563.5	9885.6	10233.0	10342.1	10494.2
5°	6796.7	7075.6	7192.3	7524.5	7854.2	8348.7	8876.2	9487.4	10156.9	10479.0	10788.4
7.5°	5807.6	5957.2	6078.9	6322.4	6718.0	7319.1	7981.0	8744.4	9692.8	10162.0	10616.0
10°	5275.0	5290.2	5439.9	5741.7	6086.6	6616.6	7243.0	8097.7	9155.2	9725.8	10258.4
12.5°	4922.5	4856.6	5018.9	5333.3	5723.9	6213.4	6789.0	7603.1	8767.2	9353.0	9997.2
15°	4613.1	4509.1	4630.9	4952.9	5338.4	5914.1	6532.9	7395.2	8615.0	9297.2	10012.4
17.5°	4620.7	4334.1	4377.2	4648.6	5031.6	5617.4	6368.1	7387.6	8845.8	9632.0	10479.0
20°	5191.3	4732.3	4537.0	4587.7	4958.0	5597.1	6444.1	7742.6	9604.1	10750.4	11655.8
22.5°	5751.8	5475.4	5160.9	5056.9	5259.8	5929.3	6928.5	8582.0	11252.5	12979.6	14615.3
25°	5556.5	5792.4	5713.8	5566.7	5612.3	6167.7	7258.2	9271.9	12533.2	14478.4	16015.2
27.5°	4445.7	4874.3	4960.5	4958.0	4975.8	5432.3	6527.8	8807.8	12693.0	14765.0	16233.3
30°	3124.4	3162.5	3208.1	3296.9	3378.0	3786.3	5107.6	7732.5	12622.0	14894.3	16365.2
32.5°	2254.6	2305.3	2368.7	2490.4	2683.2	3203.0	4468.5	7390.1	12997.3	15429.4	16750.7
35°	2061.8	2120.1	2181.0	2320.5	2503.1	2984.9	4214.9	7248.1	13613.6	16296.8	17443.1
37.5°	2001.0	2066.9	2120.1	2221.6	2368.7	2827.7	3984.2	7151.7	14245.1	17214.8	18371.3
40°	1957.8	2033.9	2077.0	2158.2	2259.6	2683.2	3778.7	7075.6	14856.3	18054.2	19116.9
42.5°	1919.8	1998.4	2054.2	2112.5	2196.2	2553.8	3596.1	6999.5	15386.3	18868.3	19859.9
45°	1874.2	1973.1	2044.1	2089.7	2163.3	2444.8	3456.7	6938.7	15989.9	19591.1	20610.6
47.5°	1836.1	1945.2	2033.9	2087.2	2115.1	2368.7	3345.1	7022.4	16715.2	20346.8	21308.0
50°	1838.6	1942.6	2054.2	2137.9	2064.4	2305.3	3276.6	7354.6	17658.6	21244.6	21858.3
52.5°	1919.8	2046.6	2135.4	2155.7	1993.3	2229.2	3241.1	7935.3	18774.5	22038.4	22413.7
55°	2011.1	2143.0	2239.3	2226.7	1955.3	2132.8	3233.5	8554.1	19996.9	22964.1	23136.5
57.5°	1978.1	2170.9	2318.0	2252.0	1957.8	2039.0	3200.5	9053.8	21018.9	23656.4	23851.7
58°	1968.0	2160.7	2328.1	2247.0	1950.2	2011.1	3192.9	9096.9	21160.9	23704.6	23953.1
60°	1869.1	2072.0	2320.5	2208.9	1907.1	1935.0	3109.2	9236.3	21122.9	23456.1	24014.0
62.5°	1689.0	1856.4	2145.5	2023.8	1775.2	1833.6	2921.5	9063.9	20093.2	22259.0	23123.8
65°	1486.1	1610.4	1803.1	1780.3	1587.6	1729.6	2665.4	8381.7	18031.4	20316.4	21226.9
67.5°	1334.0	1435.4	1557.1	1524.2	1427.8	1590.1	2389.0	7227.8	15718.5	17983.2	19129.5
70°	1179.3	1257.9	1318.8	1295.9	1265.5	1453.2	2143.0	5865.9	13502.0	15766.7	16877.5
72.5°	1022.0	1095.6	1146.3	1113.3	1095.6	1308.6	1942.6	4552.2	10664.2	13007.5	14435.3
75°	854.7	928.2	963.7	925.7	915.5	1153.9	1645.9	3400.9	8001.3	10027.6	11260.1
77.5°	661.9	740.5	786.2	773.5	778.6	948.5	1328.9	2328.1	5721.4	6834.7	8133.2
80°	464.1	550.3	580.8	568.1	603.6	722.8	938.3	1478.5	3946.1	4435.6	5351.1
82.5°	286.6	367.7	372.8	385.5	410.8	535.1	707.6	900.3	2477.7	2561.4	3225.9
85°	144.6	175.0	187.7	208.0	230.8	327.2	403.2	557.9	1595.2	1207.2	1803.1
87.5°	48.2	50.7	60.9	76.1	93.8	134.4	172.5	228.2	395.6	218.1	557.9
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°	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2	9647.2
2.5°	10801.1	11016.7	11173.9	11318.5	11179.0	11166.3	11029.3	10808.7	10717.4	10717.4
5°	11437.7	11942.3	12350.6	12611.8	12500.3	12231.4	11787.6	11222.1	10917.8	10864.5
7.5°	11612.6	12609.3	13367.6	13636.4	13448.8	12855.3	12005.7	11052.2	10616.0	10519.6
10°	11506.1	12802.1	13915.4	14341.4	14080.2	13182.5	12023.5	10854.4	10316.7	10205.1
12.5°	11394.5	12827.4	14016.8	14633.1	14463.2	13446.2	12152.8	10725.0	10103.7	9943.9
15°	11475.7	12837.6	13892.6	14529.1	14638.2	13763.2	12365.9	10818.9	10060.6	9890.7
17.5°	11988.0	13030.3	13715.0	14229.9	14612.8	14194.4	12972.0	11267.7	10446.0	10235.6
20°	13058.2	13491.9	13816.5	14214.6	14830.9	15074.4	14212.1	12500.3	11528.9	11343.8
22.5°	16157.3	16078.6	15414.2	15406.6	16299.3	17275.7	17217.3	15005.9	13545.1	13393.0
25°	17318.8	16953.6	15992.4	15759.1	16152.2	17658.6	17440.5	15518.2	14169.0	13798.7
27.5°	16864.8	15959.5	15328.0	15274.7	15145.4	16568.1	17093.1	15726.1	14387.1	14027.0
30°	16836.9	15505.5	14602.7	14709.2	14833.4	16192.8	17285.8	16377.9	14945.0	14559.5
32.5°	16905.4	15568.9	14655.9	14676.2	15046.5	16248.6	17498.8	17088.0	15678.0	15292.5
35°	17181.8	15929.0	14995.7	14947.6	15525.8	16613.8	17861.5	18203.9	16679.7	16241.0
37.5°	17628.2	16646.7	15617.1	15604.4	16443.8	17273.1	18312.9	19329.9	17676.4	17204.7
40°	18285.0	17486.2	16722.8	16654.3	17691.6	18345.9	18898.8	20529.4	18835.4	18229.2
42.5°	19078.8	18493.0	18181.0	18452.4	19449.1	19550.5	19811.7	21637.7	19821.9	19116.9
45°	19814.3	19786.4	20220.0	20940.3	21521.0	20912.4	20765.3	22380.8	20587.8	19821.9
47.5°	20689.2	21445.0	22753.6	23808.6	24417.2	22497.4	21579.4	22865.2	21145.7	20440.7
50°	21576.8	23430.7	25520.4	26991.3	27120.7	24219.4	22139.8	23321.6	21652.9	20920.0
52.5°	22510.1	25015.7	27797.8	29507.1	29256.0	25718.2	22682.6	23631.0	22175.3	21531.2
55°	23321.6	25987.1	29070.9	30711.7	30344.0	26631.2	23268.4	23965.8	22921.0	22378.2
57.5°	23775.6	26068.2	28753.9	30186.8	29788.6	26453.7	23537.2	24214.3	23397.7	22971.7
58°	23841.5	25959.2	28472.4	29882.4	29476.7	26304.1	23534.7	24204.2	23428.2	22999.6
60°	23783.2	25251.6	27425.0	28680.4	28254.3	25365.7	23438.3	24014.0	23042.7	22680.0
62.5°	23243.0	24024.1	25616.8	26529.8	26408.0	23899.9	23042.7	23296.3	21868.5	21518.5
65°	22532.9	22350.3	23301.4	23948.1	24039.4	22801.8	22649.6	21744.2	20362.1	19867.5
67.5°	21670.7	20453.4	20450.8	20818.6	20970.7	21112.7	21830.4	20057.7	18191.2	17668.8
70°	20207.4	17529.3	16722.8	17156.5	17029.7	18229.2	20367.1	17689.0	15574.0	14962.8
72.5°	17524.2	13910.3	12619.5	13177.4	12857.8	14295.8	17820.9	14557.0	12878.1	12127.5
75°	14204.5	10405.5	9074.0	9586.3	9388.5	10844.2	14828.4	10572.9	9236.3	8949.8
77.5°	11029.3	7539.7	6766.2	6695.2	6842.3	8069.8	10877.2	7139.0	6089.1	5893.8
80°	7085.8	5396.7	5442.4	5351.1	5427.2	5087.3	6603.9	4554.8	4123.6	3966.4
82.5°	4663.8	3761.0	4483.8	4138.9	3930.9	3421.2	4331.6	2982.4	2531.0	2444.8
85°	3177.7	2769.4	2520.8	1927.4	2269.8	2635.0	3248.7	1605.3	1273.1	1153.9
87.5°	1435.4	963.7	707.6	436.2	689.8	796.3	1577.4	187.7	144.6	149.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)