

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: P529510

Luminaire Tested: **GALN-SA4C-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4C-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16459 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 213
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

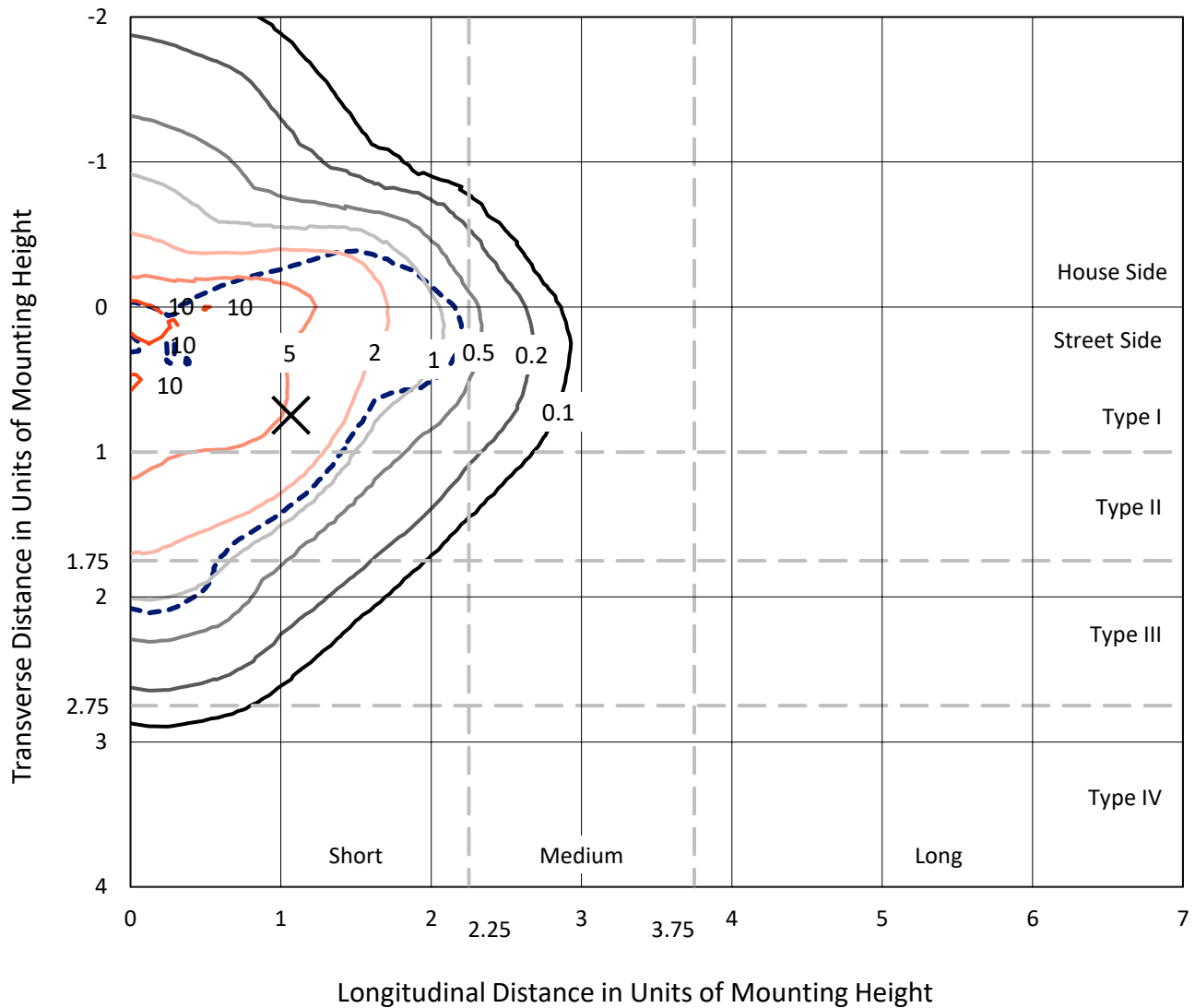


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

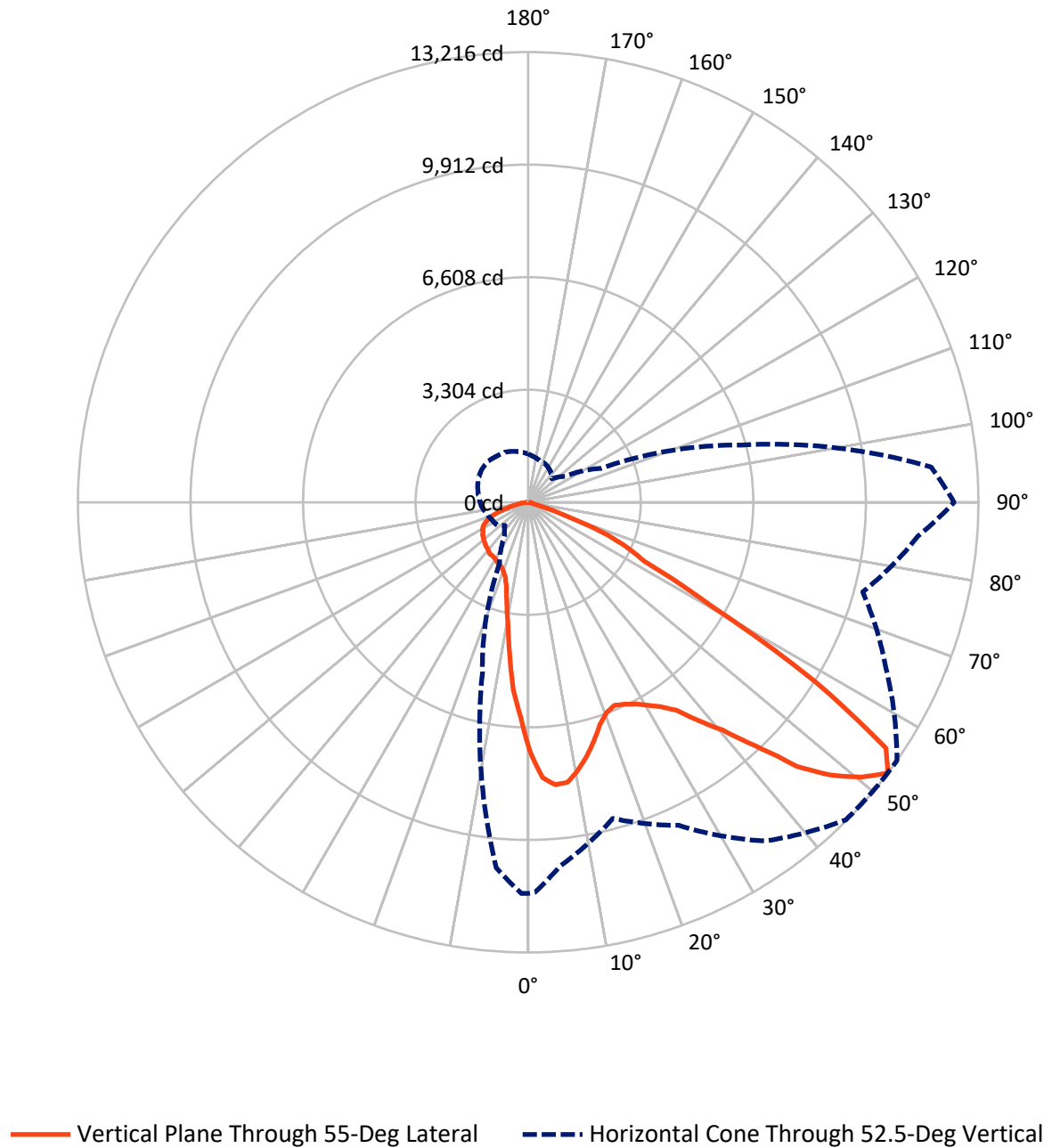


Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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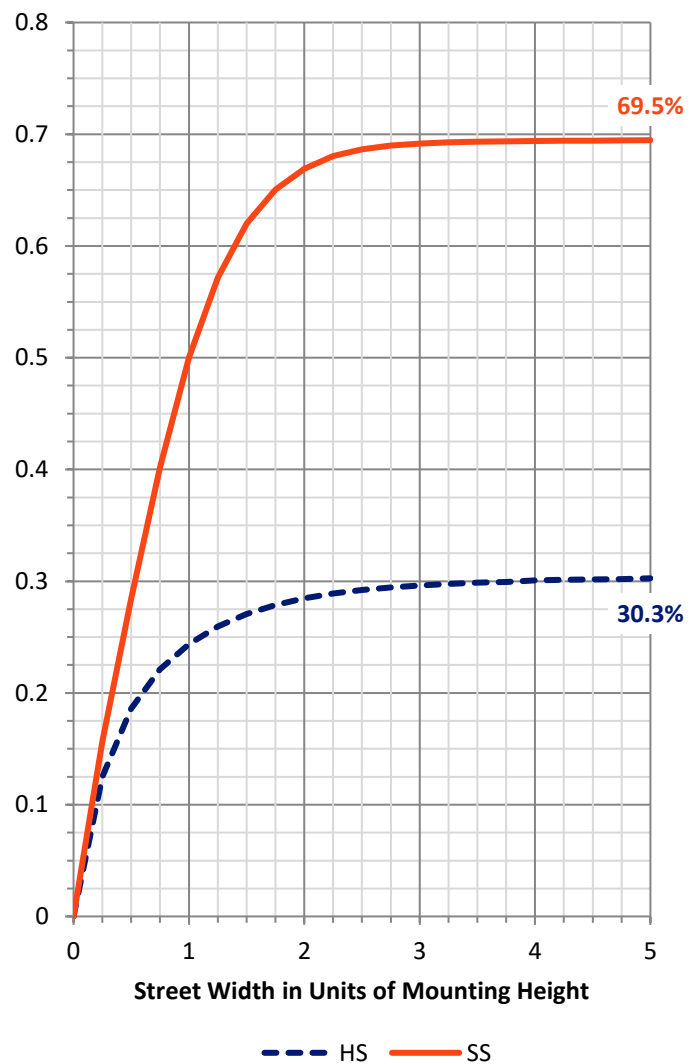
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5020.9	0.0	5020.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	11438.1	0.0	11438.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	16459.0	0.0	16459.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.9	3.4
10°-20°	1209.4	7.3
20°-30°	1833.9	11.1
30°-40°	2649.6	16.1
40°-50°	3540.6	21.5
50°-60°	3952.1	24.0
60°-70°	2167.9	13.2
70°-80°	468.7	2.8
80°-90°	75.8	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°	16459.0	100.0
0°-180°	16459.0	100.0

Coefficient of Utilization



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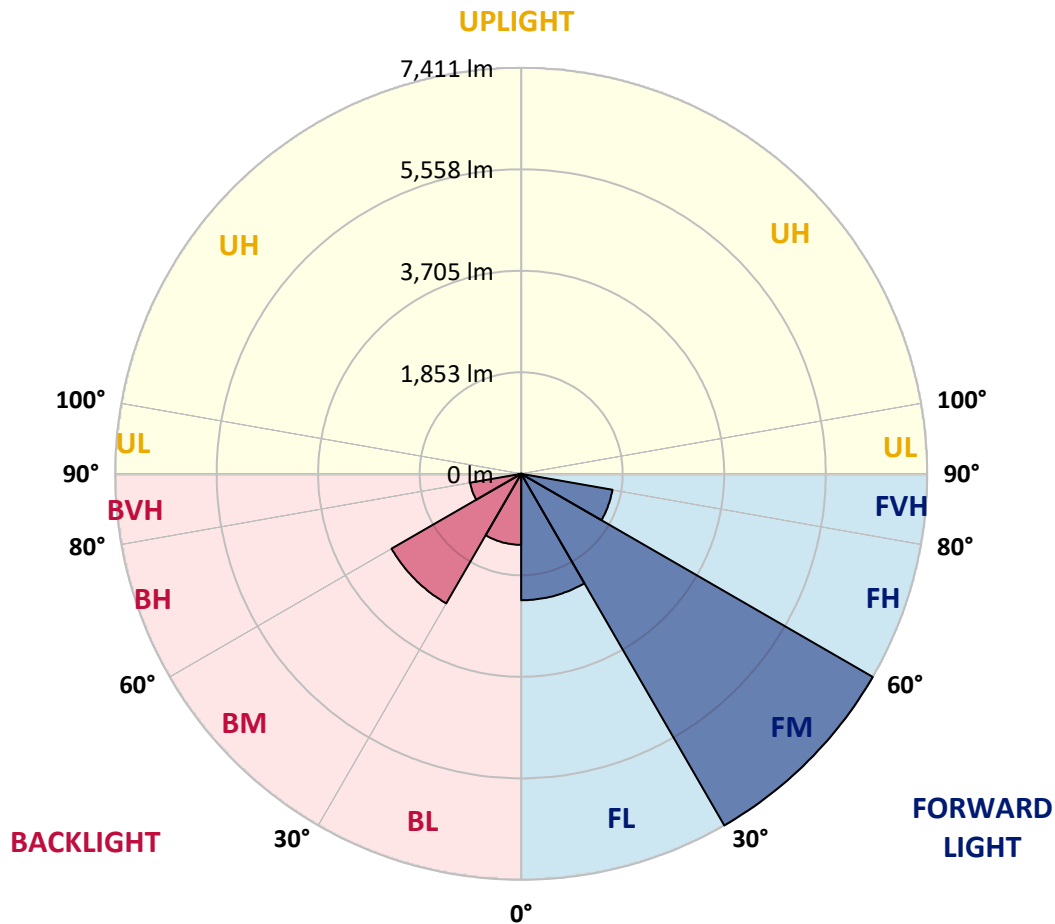
CATALOG NUMBER: GALN-SA4C-830-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2307.9	14.0			
FM	(30°-60°)	7410.6	45.0			
FH	(60°-80°)	1691.6	10.3			G1/1800
FVH	(80°-90°)	28.1	0.2			G1/100
BL	(0°-30°)	1296.3	7.9	B3/2500		
BM	(30°-60°)	2731.8	16.6	B3/5000		
BH	(60°-80°)	945.0	5.7	B2/1000		G2/1000
BVH	(80°-90°)	47.8	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0
2.5°	7704.9	7661.6	7700.1	7882.7	7988.5	8060.6	8106.2	8099.0	7926.0	7757.8	7757.8
5°	7479.0	7423.7	7503.0	7916.4	8332.1	8368.2	8428.3	8329.7	8075.0	7767.4	7382.8
7.5°	6825.3	6866.1	6998.3	7541.5	8082.2	8353.8	8425.9	8300.9	7887.5	7313.1	6748.4
10°	6260.5	6356.6	6661.9	7248.3	7745.7	8099.0	8178.3	8002.9	7676.0	6971.9	6467.2
12.5°	6065.9	6005.8	6344.6	6931.0	7406.9	7596.7	7632.8	7644.8	7423.7	6798.8	6183.6
15°	6041.8	6080.3	6344.6	6789.2	7082.4	7092.0	7152.1	7245.9	7274.7	6916.6	6315.8
17.5°	6387.9	6342.2	6613.8	6967.1	6827.7	6688.3	6702.7	6837.3	7075.2	7017.5	6731.6
20°	6899.8	7003.1	7217.0	7181.0	6806.1	6452.8	6455.2	6582.6	7051.2	7435.7	7310.7
22.5°	7750.5	7851.5	8010.1	7575.1	6806.1	6383.1	6301.4	6474.4	7205.0	7933.2	7964.4
25°	8526.8	8711.9	8755.1	8243.2	7147.3	6448.0	6395.1	6565.7	7358.8	8418.7	8714.3
27.5°	9233.4	9300.7	9490.5	8673.4	7337.2	6491.2	6486.4	6705.1	7553.5	8661.4	9384.8
30°	9790.9	9783.7	9891.9	8945.0	7640.0	6734.0	6500.8	6914.2	7808.2	9062.7	10004.8
32.5°	10170.6	10252.3	10480.7	9322.3	7767.4	6964.7	6782.0	7159.3	8118.2	9252.6	10442.2
35°	10838.7	10980.5	10692.1	9531.4	8171.1	7193.0	6979.1	7493.4	8272.1	9459.3	10978.1
37.5°	11468.4	11360.3	11067.1	9644.3	8433.1	7616.0	7416.5	8139.9	8750.3	9908.7	11333.8
40°	11872.1	11869.7	11348.2	9735.6	8618.1	8262.4	8250.4	8796.0	9336.7	10192.3	11732.8
42.5°	12047.6	12215.8	11463.6	9726.0	9007.5	9045.9	9288.6	9776.5	9752.5	10249.9	11723.1
44°	12287.9	12388.9	11663.1	9747.7	9267.0	9574.6	10146.6	10456.6	10115.4	10218.7	11711.1
45°	12278.3	12285.5	11379.5	9776.5	9488.1	10016.8	10528.7	11052.6	10435.0	10151.4	11869.7
47.5°	11997.1	11915.4	11139.2	9562.6	10177.8	11184.8	11658.3	11975.5	10829.1	10007.2	11672.7
50°	11442.0	11348.2	10555.2	9471.3	10322.0	11910.6	12564.3	12679.6	11187.2	9865.4	11478.0
52.5°	11480.4	11454.0	10721.0	9608.3	10466.2	12138.9	13186.7	13215.6	11593.4	10163.4	11480.4
55°	12167.8	12076.4	11196.8	9778.9	10360.5	11872.1	12790.2	12739.7	11456.4	9983.2	11691.9
57.5°	11134.3	11194.4	10538.3	9103.6	9067.5	9651.5	10055.3	9930.3	9560.2	9009.9	10877.2
60°	8983.4	9154.1	9216.5	7613.6	6842.1	6541.7	6421.5	6200.4	6262.9	7402.1	9555.4
62.5°	7704.9	7695.3	8087.0	6902.2	4482.1	3854.8	3797.2	3847.6	4568.6	7286.7	9358.3
65°	6109.1	6272.5	6392.7	5849.6	3547.2	2862.3	2859.9	3179.5	3953.4	6089.9	7555.9
67.5°	3878.9	4092.8	4241.8	3741.9	2372.0	2038.0	1982.7	2367.2	2739.7	3994.2	4549.4
70°	2187.0	2287.9	2355.2	2158.1	1509.3	1057.4	995.0	1086.3	1655.9	2585.9	2696.5
72.5°	843.5	889.2	980.5	987.7	569.6	341.3	276.4	331.7	696.9	1023.8	975.7
75°	129.8	139.4	197.1	235.5	163.4	125.0	132.2	137.0	194.7	264.4	221.1
77.5°	62.5	62.5	60.1	69.7	81.7	88.9	96.1	105.7	115.4	127.4	122.6
80°	40.9	40.9	40.9	48.1	60.1	72.1	81.7	86.5	91.3	100.9	96.1
82.5°	26.4	26.4	26.4	36.0	48.1	60.1	64.9	76.9	86.5	100.9	93.7
85°	14.4	14.4	14.4	24.0	36.0	50.5	48.1	38.5	21.6	2.4	4.8
87.5°	4.8	4.8	4.8	4.8	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°	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0
2.5°	7555.9	7445.3	7435.7	7209.8	7007.9	6909.4	6830.1	6609.0	6657.1	6529.7	6527.3
5°	7190.6	6964.7	6599.4	6299.0	5998.6	5938.5	5676.5	5448.2	5455.4	5292.0	5320.8
7.5°	6534.5	6378.3	5933.7	5462.6	5063.7	4780.1	4532.6	4383.6	4193.7	4128.8	4095.2
10°	6118.7	5926.5	5426.6	4835.4	4388.4	4237.0	3999.0	3866.9	3672.2	3576.1	3508.8
12.5°	5936.1	5654.9	5030.0	4429.2	4131.2	3975.0	3773.1	3532.8	3302.1	3213.2	3090.6
15°	5955.3	5618.8	4914.7	4265.8	3907.7	3604.9	3424.7	3157.9	2922.4	2766.2	2677.2
17.5°	6246.1	5837.5	4967.6	4140.8	3626.5	3246.8	2893.5	2605.1	2417.7	2299.9	2271.1
20°	6933.4	6378.3	5056.5	3939.0	3345.4	2871.9	2436.9	2136.5	1992.3	1989.9	1992.3
22.5°	7505.4	6955.1	5236.7	3818.8	3064.2	2391.3	1958.7	1862.5	1833.7	1893.8	1901.0
25°	8276.9	7603.9	5546.7	3756.3	2804.6	2038.0	1771.2	1735.2	1732.8	1809.7	1812.1
27.5°	9067.5	8171.1	5731.8	3573.7	2540.3	1855.3	1658.3	1651.0	1689.5	1771.2	1764.0
30°	9605.9	8647.0	6065.9	3355.0	2227.8	1694.3	1612.6	1622.2	1675.1	1737.6	1747.2
32.5°	10233.1	9115.6	6152.4	3234.8	2035.6	1559.7	1502.0	1523.7	1591.0	1689.5	1742.4
35°	10951.7	9447.3	6284.5	3071.4	1963.5	1456.4	1427.5	1451.6	1533.3	1598.2	1655.9
37.5°	11482.8	10033.6	6308.6	2944.0	1884.2	1398.7	1353.0	1432.3	1480.4	1571.7	1600.6
40°	11877.0	10459.0	6371.1	2864.7	1821.7	1324.2	1324.2	1377.1	1442.0	1526.1	1583.8
42.5°	12129.3	10769.0	6416.7	2792.6	1701.5	1302.6	1290.6	1343.4	1429.9	1511.7	1538.1
44°	12283.1	10901.2	6371.1	2725.3	1667.9	1276.1	1276.1	1321.8	1389.1	1485.2	1516.5
45°	12321.6	11067.1	6270.1	2722.9	1627.0	1244.9	1240.1	1326.6	1372.3	1490.0	1509.3
47.5°	12470.6	11271.3	6282.1	2646.0	1528.5	1170.4	1254.5	1293.0	1333.8	1437.2	1502.0
50°	12465.8	11398.7	6255.7	2533.0	1456.4	1086.3	1225.7	1268.9	1309.8	1415.5	1442.0
52.5°	12499.4	11874.6	6498.4	2352.8	1326.6	978.1	1129.5	1225.7	1276.1	1365.1	1420.3
55°	12482.6	12146.1	6738.8	2218.2	1144.0	913.2	1047.8	1160.8	1232.9	1326.6	1353.0
57.5°	11401.1	10735.4	6236.5	1965.9	946.9	836.3	932.5	1093.5	1184.8	1280.9	1314.6
60°	9315.1	8274.5	5143.0	1446.8	778.7	769.0	867.6	1071.9	1110.3	1194.4	1252.1
62.5°	8608.5	7257.9	4078.3	1105.5	665.7	704.2	800.3	968.5	1028.6	1131.9	1184.8
65°	6736.4	4821.0	2525.8	747.4	586.4	632.1	723.4	848.4	946.9	1043.0	1105.5
67.5°	3989.4	2634.0	1249.7	523.9	511.9	560.0	653.7	747.4	860.4	966.1	997.4
70°	2172.6	1295.4	533.5	398.9	435.0	478.3	569.6	634.5	742.6	824.3	877.2
72.5°	696.9	394.1	266.8	295.6	331.7	382.1	437.4	516.7	593.6	641.7	684.9
75°	168.2	165.8	189.9	206.7	240.3	278.8	324.4	365.3	425.4	471.0	509.5
77.5°	117.8	127.4	146.6	170.6	182.6	197.1	225.9	257.1	283.6	317.2	341.3
80°	91.3	98.5	113.0	125.0	137.0	149.0	163.4	175.4	192.3	213.9	225.9
82.5°	86.5	91.3	105.7	113.0	108.1	105.7	115.4	120.2	122.6	129.8	137.0
85°	7.2	0.0	4.8	16.8	40.9	60.1	64.9	64.9	62.5	67.3	67.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.6	7.2
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°	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0
2.5°	6498.4	6416.7	6448.0	6486.4	6431.1	6303.8	6337.4	6323.0	6452.8	6443.2	6572.9
5°	5448.2	5320.8	5335.3	5522.7	5462.6	5527.5	5397.7	5380.9	5405.0	5417.0	5438.6
7.5°	4169.7	4152.8	4297.0	4455.7	4530.2	4453.3	4325.9	4297.0	4270.6	4217.7	4337.9
10°	3403.0	3407.8	3398.2	3518.4	3602.5	3585.7	3508.8	3499.2	3448.7	3429.5	3496.8
12.5°	3037.7	2972.8	2941.6	2903.1	2968.0	3011.3	2977.7	2953.6	2956.0	2980.1	2989.7
15°	2684.5	2643.6	2576.3	2533.0	2564.3	2542.7	2530.6	2578.7	2566.7	2561.9	2619.6
17.5°	2287.9	2321.6	2316.8	2268.7	2309.5	2292.7	2290.3	2256.7	2211.0	2177.4	2196.6
20°	2026.0	2088.4	2136.5	2138.9	2160.5	2158.1	2122.1	2018.7	1985.1	1977.9	1982.7
22.5°	1932.2	1965.9	2023.6	2105.3	2105.3	2066.8	2023.6	1903.4	1872.1	1838.5	1824.1
25°	1857.7	1922.6	1997.1	2006.7	2045.2	2009.1	1939.4	1879.4	1814.5	1768.8	1768.8
27.5°	1819.3	1891.4	1946.6	1963.5	2016.3	1987.5	1915.4	1838.5	1761.6	1759.2	1718.3
30°	1802.5	1869.7	1905.8	1946.6	1970.7	1925.0	1903.4	1821.7	1744.8	1725.5	1658.3
32.5°	1752.0	1848.1	1915.4	1905.8	1925.0	1905.8	1874.5	1807.3	1720.7	1677.5	1670.3
35°	1694.3	1790.4	1862.5	1913.0	1925.0	1884.2	1864.9	1773.6	1655.9	1634.2	1559.7
37.5°	1663.1	1720.7	1809.7	1891.4	1908.2	1886.6	1821.7	1728.0	1610.2	1586.2	1521.3
40°	1624.6	1699.1	1768.8	1836.1	1886.6	1833.7	1759.2	1667.9	1615.0	1542.9	1523.7
42.5°	1595.8	1679.9	1737.6	1812.1	1869.7	1800.0	1713.5	1651.0	1576.5	1528.5	1473.2
44°	1586.2	1663.1	1701.5	1792.8	1840.9	1788.0	1715.9	1651.0	1564.5	1521.3	1473.2
45°	1552.5	1658.3	1699.1	1780.8	1821.7	1778.4	1687.1	1622.2	1559.7	1506.8	1456.4
47.5°	1518.9	1591.0	1660.7	1725.5	1754.4	1740.0	1663.1	1583.8	1509.3	1478.0	1429.9
50°	1509.3	1581.4	1646.2	1706.3	1740.0	1711.1	1641.4	1564.5	1478.0	1427.5	1386.7
52.5°	1461.2	1550.1	1622.2	1641.4	1684.7	1667.9	1615.0	1530.9	1449.2	1405.9	1372.3
55°	1391.5	1485.2	1583.8	1607.8	1670.3	1643.8	1564.5	1485.2	1415.5	1350.6	1307.4
57.5°	1365.1	1456.4	1552.5	1583.8	1622.2	1578.9	1559.7	1475.6	1365.1	1331.4	1264.1
60°	1297.8	1413.1	1492.4	1564.5	1566.9	1554.9	1521.3	1425.1	1333.8	1271.3	1223.3
62.5°	1244.9	1353.0	1415.5	1482.8	1523.7	1490.0	1456.4	1367.5	1268.9	1199.2	1144.0
65°	1168.0	1266.5	1319.4	1360.3	1405.9	1401.1	1343.4	1278.5	1175.2	1119.9	1067.1
67.5°	1050.2	1136.7	1208.8	1247.3	1276.1	1268.9	1225.7	1180.0	1074.3	1019.0	980.5
70°	908.4	997.4	1043.0	1064.6	1093.5	1107.9	1074.3	1052.6	958.9	886.8	850.8
72.5°	730.6	788.3	855.6	874.8	886.8	896.4	896.4	877.2	781.1	752.2	689.7
75°	538.3	584.0	634.5	634.5	656.1	658.5	663.3	651.3	579.2	540.7	526.3
77.5°	365.3	398.9	439.8	456.6	471.0	468.6	466.2	432.6	394.1	377.3	362.9
80°	237.9	271.6	290.8	312.4	326.8	324.4	329.2	305.2	288.4	259.6	264.4
82.5°	141.8	168.2	187.5	213.9	213.9	221.1	221.1	213.9	197.1	182.6	182.6
85°	67.3	88.9	100.9	117.8	127.4	129.8	115.4	98.5	81.7	74.5	81.7
87.5°	12.0	16.8	24.0	21.6	26.4	24.0	24.0	24.0	24.0	19.2	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P529510

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0	7342.0
2.5°	6524.9	6645.0	6729.2	6868.5	7108.9	7301.1	7498.2	7644.8	7661.6	7704.9
5°	5517.9	5582.8	5796.7	6075.5	6272.5	6597.0	6806.1	7185.8	7327.6	7479.0
7.5°	4309.1	4414.8	4700.8	4888.2	5320.8	5727.0	6147.6	6616.2	6803.7	6825.3
10°	3633.7	3787.6	3982.2	4282.6	4518.1	4970.0	5493.9	6015.4	6224.5	6260.5
12.5°	3191.5	3388.6	3648.2	3864.5	4090.4	4484.5	4986.8	5630.9	5902.4	6065.9
15°	2766.2	2970.4	3256.4	3556.8	3756.3	4227.4	4818.6	5544.3	5897.6	6041.8
17.5°	2328.8	2518.6	2754.1	3078.6	3479.9	4008.7	4792.1	5832.7	6219.7	6387.9
20°	1953.9	2059.6	2333.6	2667.6	3169.9	3785.1	4801.7	6258.1	6825.3	6899.8
22.5°	1807.3	1831.3	1939.4	2247.1	2797.4	3556.8	4972.4	6861.3	7505.4	7750.5
25°	1694.3	1689.5	1718.3	1925.0	2525.8	3467.9	5140.6	7416.5	8260.0	8526.8
27.5°	1631.8	1583.8	1586.2	1780.8	2333.6	3323.7	5356.9	8053.4	9115.6	9233.4
30°	1600.6	1591.0	1562.1	1641.4	2124.5	3107.4	5392.9	8680.6	9620.3	9790.9
32.5°	1581.4	1487.6	1451.6	1480.4	1927.4	2871.9	5527.5	9094.0	10245.1	10170.6
35°	1485.2	1401.1	1377.1	1405.9	1788.0	2739.7	5438.6	9454.5	10713.8	10838.7
37.5°	1449.2	1374.7	1326.6	1302.6	1658.3	2629.2	5392.9	10009.6	11168.0	11468.4
40°	1415.5	1336.2	1278.5	1254.5	1557.3	2482.6	5378.5	10437.4	11691.9	11872.1
42.5°	1377.1	1326.6	1261.7	1218.5	1434.8	2336.0	5212.7	10569.6	11852.9	12047.6
44°	1365.1	1288.2	1220.9	1206.4	1386.7	2261.5	5179.0	10689.7	11992.3	12287.9
45°	1353.0	1280.9	1204.0	1184.8	1369.9	2220.6	5133.4	10718.6	12223.0	12278.3
47.5°	1319.4	1273.7	1199.2	1146.4	1333.8	2131.7	4996.4	10555.2	11987.5	11997.1
50°	1293.0	1240.1	1163.2	1059.8	1285.7	2057.2	5058.9	10495.1	11420.3	11442.0
52.5°	1264.1	1184.8	1141.6	963.7	1206.4	1994.7	5191.1	10766.6	11485.2	11480.4
55°	1230.5	1144.0	1038.2	882.0	1074.3	1915.4	5510.7	11302.6	12086.0	12167.8
57.5°	1177.6	1103.1	951.7	809.9	922.9	1764.0	5407.4	10276.4	11119.9	11134.3
60°	1107.9	1038.2	862.8	754.6	757.0	1391.5	4835.4	8007.7	8774.3	8983.4
62.5°	1040.6	1002.2	788.3	675.3	644.1	1107.9	4088.0	6654.7	7531.8	7704.9
65°	961.3	867.6	723.4	615.2	552.8	776.3	2895.9	4972.4	5876.0	6109.1
67.5°	860.4	759.4	636.9	540.7	473.4	519.1	1494.8	2826.2	3741.9	3878.9
70°	752.2	658.5	535.9	456.6	382.1	358.1	658.5	1348.2	2045.2	2187.0
72.5°	617.6	531.1	427.8	360.5	286.0	247.5	221.1	360.5	725.8	843.5
75°	447.0	386.9	322.0	257.1	201.9	158.6	129.8	108.1	120.2	129.8
77.5°	329.2	281.2	237.9	182.6	141.8	113.0	88.9	67.3	64.9	62.5
80°	257.1	228.3	189.9	146.6	110.6	84.1	62.5	45.7	40.9	40.9
82.5°	201.9	187.5	156.2	120.2	91.3	67.3	45.7	31.2	26.4	26.4
85°	76.9	76.9	113.0	98.5	69.7	48.1	31.2	16.8	14.4	14.4
87.5°	19.2	19.2	19.2	19.2	16.8	14.4	14.4	7.2	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)