

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: P529744

Luminaire Tested: **GALN-SA4D-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529744
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-SA4D-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 1200mA 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: 18111 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 245
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



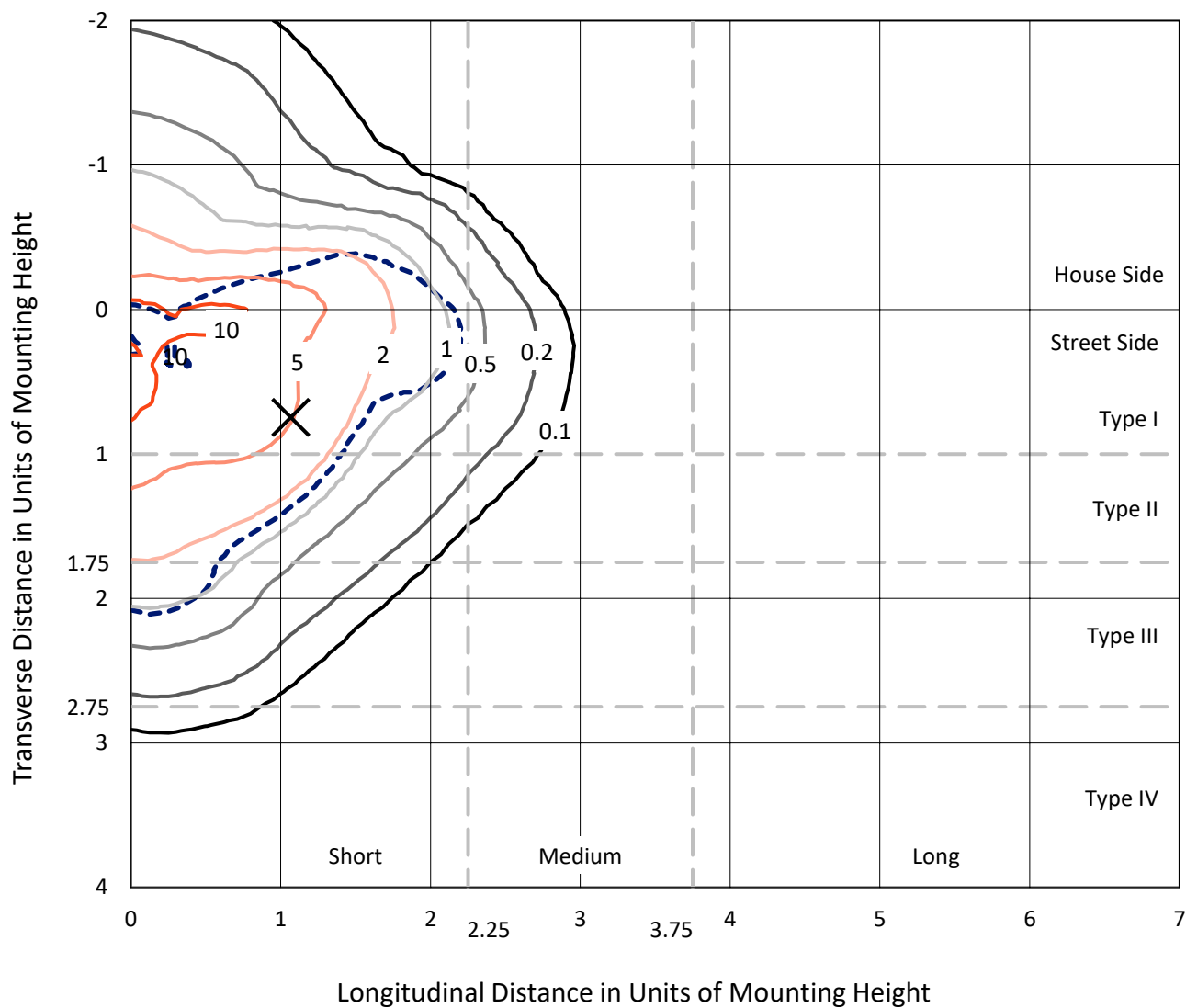
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

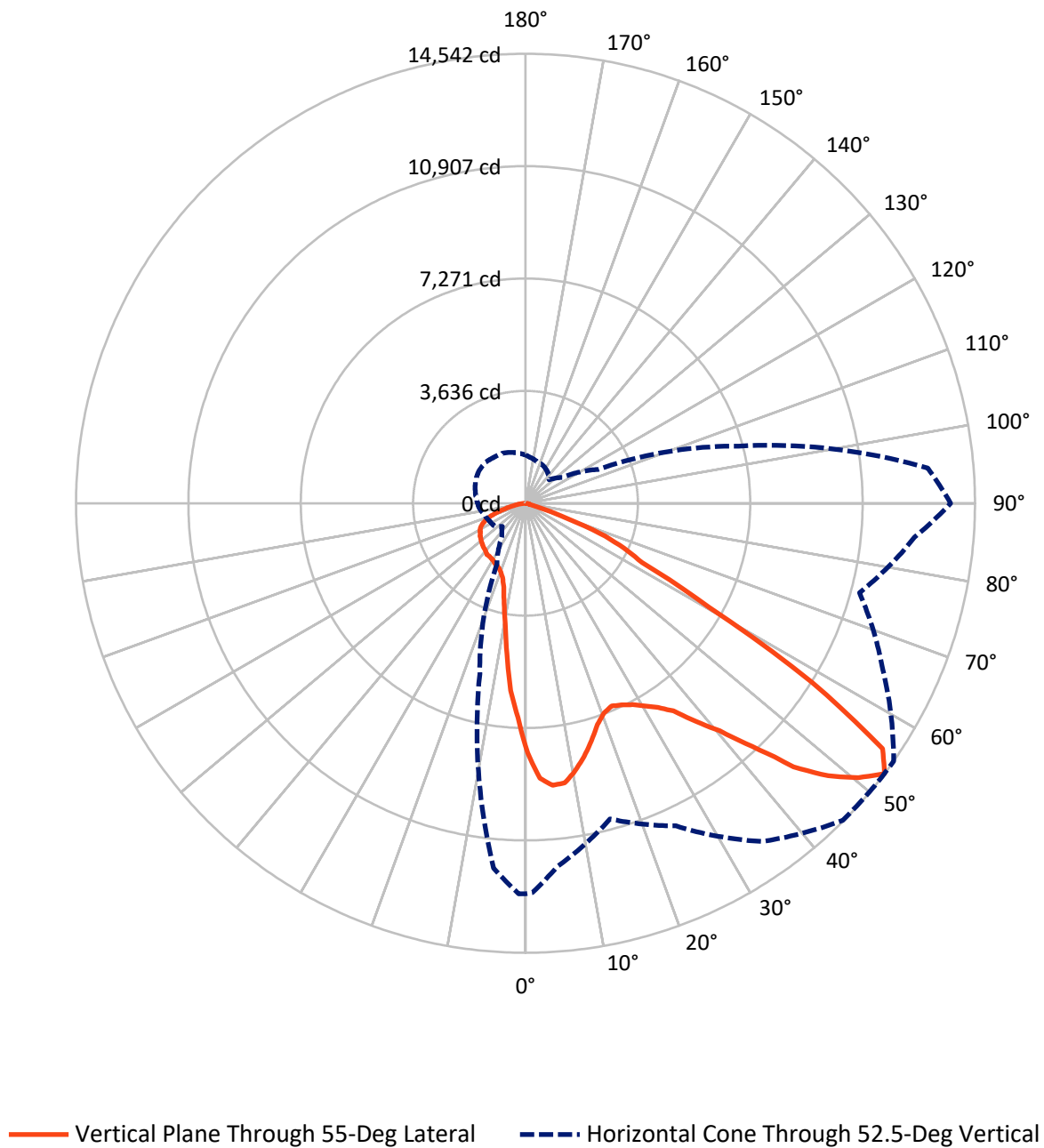


Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5524.8	0.0	5524.8
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	12586.2	0.0	12586.2
	% Fixture	69.5	0.0	69.5
Total	Lumens	18111.0	0.0	18111.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.2	3.4
10°-20°	1330.8	7.3
20°-30°	2017.9	11.1
30°-40°	2915.6	16.1
40°-50°	3896.0	21.5
50°-60°	4348.8	24.0
60°-70°	2385.5	13.2
70°-80°	515.7	2.8
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°	18111.0	100.0
0°-180°	18111.0	100.0

Coefficient of Utilization



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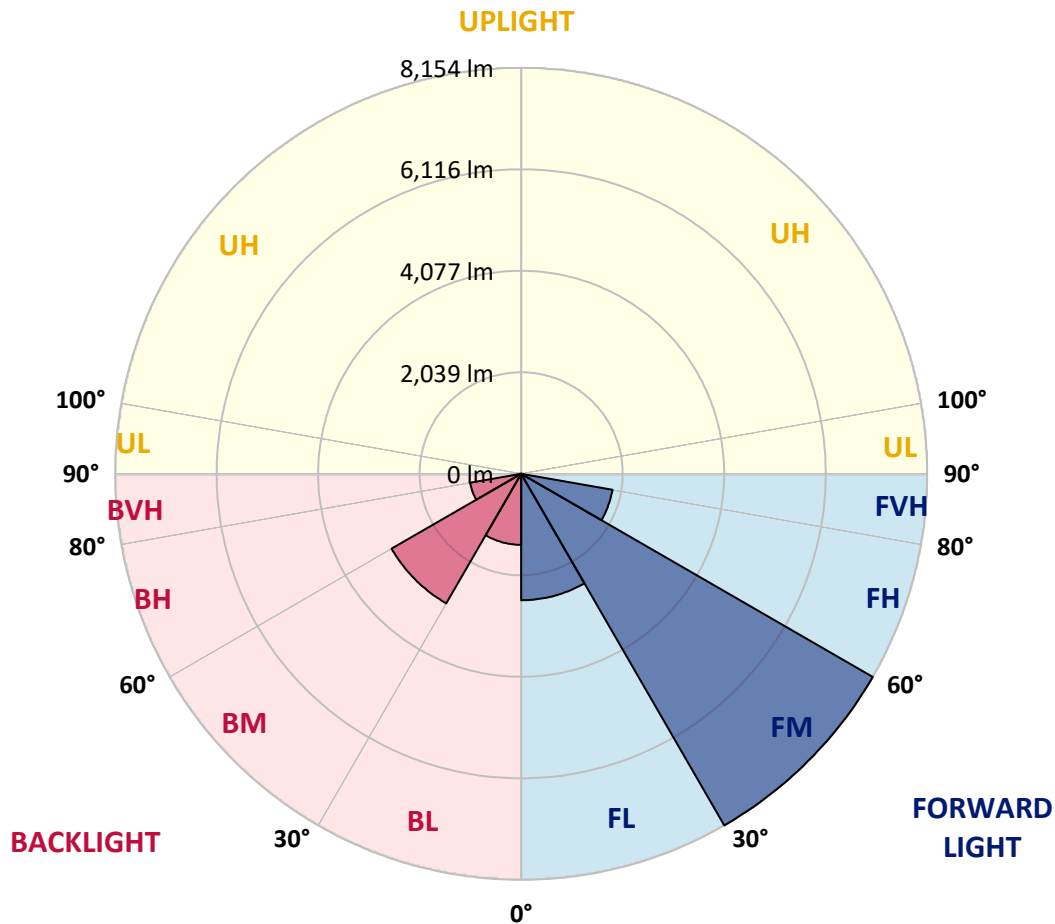
CATALOG NUMBER: GALN-SA4D-830-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2539.5	14.0			
FM	(30°-60°)	8154.4	45.0			
FH	(60°-80°)	1861.4	10.3			G2/5000
FVH	(80°-90°)	30.9	0.2			G1/100
BL	(0°-30°)	1426.4	7.9	B3/2500		
BM	(30°-60°)	3006.0	16.6	B3/5000		
BH	(60°-80°)	1039.9	5.7	B3/2500		G3/2500
BVH	(80°-90°)	52.5	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9
2.5°	8478.2	8430.6	8472.9	8673.9	8790.3	8869.6	8919.9	8911.9	8721.5	8536.4	8536.4
5°	8229.6	8168.8	8256.1	8710.9	9168.4	9208.1	9274.2	9165.8	8885.5	8547.0	8123.9
7.5°	7510.3	7555.3	7700.7	8298.4	8893.4	9192.2	9271.6	9134.1	8679.2	8047.2	7425.7
10°	6888.9	6994.7	7330.5	7975.8	8523.2	8911.9	8999.2	8806.1	8446.5	7671.7	7116.3
12.5°	6674.7	6608.6	6981.4	7626.7	8150.3	8359.2	8398.9	8412.1	8168.8	7481.3	6804.3
15°	6648.2	6690.6	6981.4	7470.7	7793.3	7803.9	7870.0	7973.1	8004.9	7610.8	6949.7
17.5°	7029.0	6978.8	7277.6	7666.4	7513.0	7359.6	7375.5	7523.6	7785.4	7721.9	7407.2
20°	7592.3	7706.0	7941.4	7901.7	7489.2	7100.4	7103.1	7243.2	7758.9	8182.0	8044.5
22.5°	8528.5	8639.5	8814.1	8335.4	7489.2	7023.8	6933.8	7124.2	7928.2	8729.5	8763.8
25°	9382.6	9586.3	9633.9	9070.6	7864.7	7095.2	7037.0	7224.7	8097.4	9263.6	9588.9
27.5°	10160.1	10234.2	10443.1	9544.0	8073.6	7142.8	7137.5	7378.1	8311.6	9530.7	10326.7
30°	10773.6	10765.7	10884.7	9842.8	8406.8	7409.9	7153.3	7608.2	8591.9	9972.4	11009.0
32.5°	11191.5	11281.4	11532.6	10258.0	8547.0	7663.7	7462.7	7877.9	8933.1	10181.3	11490.3
35°	11926.6	12082.7	11765.3	10488.0	8991.3	7914.9	7679.6	8245.5	9102.3	10408.7	12080.0
37.5°	12619.5	12500.5	12177.9	10612.3	9279.5	8380.4	8160.9	8956.9	9628.6	10903.2	12471.4
40°	13063.8	13061.1	12487.3	10712.8	9483.1	9091.7	9078.5	9678.8	10273.8	11215.3	12910.4
42.5°	13256.8	13441.9	12614.2	10702.2	9911.5	9953.8	10220.9	10757.8	10731.3	11278.7	12899.8
44°	13521.3	13632.3	12833.7	10726.0	10197.1	10535.6	11165.0	11506.2	11130.6	11244.4	12886.6
45°	13510.7	13518.6	12521.6	10757.8	10440.4	11022.2	11585.5	12162.0	11482.4	11170.3	13061.1
47.5°	13201.3	13111.4	12257.2	10522.4	11199.4	12307.4	12828.4	13177.5	11916.1	11011.6	12844.3
50°	12590.4	12487.3	11614.6	10421.9	11358.1	13106.1	13825.4	13952.3	12310.1	10855.6	12630.1
52.5°	12632.7	12603.6	11797.1	10572.7	11516.7	13357.3	14510.3	14542.0	12757.0	11183.5	12632.7
55°	13389.0	13288.5	12320.7	10760.4	11400.4	13063.8	14074.0	14018.4	12606.3	10985.2	12865.4
57.5°	12251.9	12318.0	11596.1	10017.3	9977.6	10620.3	11064.5	10927.0	10519.8	9914.2	11968.9
60°	9885.1	10072.8	10141.6	8377.7	7528.9	7198.3	7066.1	6822.8	6891.5	8145.0	10514.5
62.5°	8478.2	8467.6	8898.7	7595.0	4932.0	4241.8	4178.3	4233.8	5027.2	8018.1	10297.6
65°	6722.3	6902.1	7034.3	6436.7	3903.3	3149.6	3146.9	3498.7	4350.2	6701.1	8314.3
67.5°	4268.2	4503.6	4667.5	4117.5	2610.1	2242.5	2181.7	2604.8	3014.7	4395.1	5006.0
70°	2406.5	2517.6	2591.6	2374.7	1660.7	1163.6	1094.8	1195.3	1822.1	2845.5	2967.1
72.5°	928.2	978.5	1079.0	1086.9	626.7	375.5	304.1	364.9	766.9	1126.6	1073.7
75°	142.8	153.4	216.8	259.2	179.8	137.5	145.4	150.7	214.2	290.9	243.3
77.5°	68.8	68.8	66.1	76.7	89.9	97.8	105.8	116.4	126.9	140.2	134.9
80°	45.0	45.0	45.0	52.9	66.1	79.3	89.9	95.2	100.5	111.1	105.8
82.5°	29.1	29.1	29.1	39.7	52.9	66.1	71.4	84.6	95.2	111.1	103.1
85°	15.9	15.9	15.9	26.4	39.7	55.5	52.9	42.3	23.8	2.6	5.3
87.5°	5.3	5.3	5.3	5.3	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°	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9
2.5°	8314.3	8192.6	8182.0	7933.5	7711.3	7602.9	7515.6	7272.3	7325.2	7185.1	7182.4
5°	7912.3	7663.7	7261.8	6931.2	6600.6	6534.5	6246.3	5995.1	6003.0	5823.2	5854.9
7.5°	7190.4	7018.5	6529.2	6010.9	5571.9	5259.9	4987.5	4823.5	4614.6	4543.2	4506.2
10°	6732.9	6521.3	5971.3	5320.7	4828.8	4662.2	4400.4	4255.0	4040.8	3935.0	3861.0
12.5°	6531.9	6222.5	5534.9	4873.8	4545.9	4374.0	4151.8	3887.4	3633.5	3535.7	3400.8
15°	6553.0	6182.8	5408.0	4694.0	4299.9	3966.7	3768.4	3474.9	3215.7	3043.8	2946.0
17.5°	6873.0	6423.5	5466.2	4556.5	3990.5	3572.7	3184.0	2866.6	2660.4	2530.8	2499.0
20°	7629.3	7018.5	5564.0	4334.3	3681.1	3160.2	2681.5	2350.9	2192.3	2189.6	2192.3
22.5°	8258.7	7653.1	5762.3	4202.1	3371.7	2631.3	2155.3	2049.5	2017.7	2083.9	2091.8
25°	9107.6	8367.2	6103.5	4133.3	3086.1	2242.5	1949.0	1909.3	1906.7	1991.3	1993.9
27.5°	9977.6	8991.3	6307.1	3932.4	2795.2	2041.5	1824.7	1816.8	1859.1	1949.0	1941.1
30°	10570.0	9514.9	6674.7	3691.7	2451.4	1864.4	1774.5	1785.0	1843.2	1912.0	1922.5
32.5°	11260.2	10030.5	6769.9	3559.5	2239.9	1716.3	1652.8	1676.6	1750.7	1859.1	1917.3
35°	12050.9	10395.5	6915.3	3379.7	2160.5	1602.6	1570.8	1597.3	1687.2	1758.6	1822.1
37.5°	12635.4	11040.7	6941.8	3239.5	2073.3	1539.1	1488.8	1576.1	1629.0	1729.5	1761.2
40°	13069.1	11508.8	7010.5	3152.2	2004.5	1457.1	1457.1	1515.3	1586.7	1679.2	1742.7
42.5°	13346.7	11849.9	7060.8	3072.9	1872.3	1433.3	1420.1	1478.3	1573.5	1663.4	1692.5
44°	13516.0	11995.4	7010.5	2998.8	1835.3	1404.2	1404.2	1454.5	1528.5	1634.3	1668.7
45°	13558.3	12177.9	6899.5	2996.2	1790.3	1369.8	1364.6	1459.8	1510.0	1639.6	1660.7
47.5°	13722.2	12402.6	6912.7	2911.6	1681.9	1287.9	1380.4	1422.7	1467.7	1581.4	1652.8
50°	13717.0	12542.8	6883.6	2787.3	1602.6	1195.3	1348.7	1396.3	1441.2	1557.6	1586.7
52.5°	13754.0	13066.4	7150.7	2589.0	1459.8	1076.3	1242.9	1348.7	1404.2	1502.1	1562.9
55°	13735.5	13365.2	7415.1	2440.9	1258.8	1004.9	1153.0	1277.3	1356.6	1459.8	1488.8
57.5°	12545.4	11812.9	6862.4	2163.2	1041.9	920.3	1026.1	1203.2	1303.7	1409.5	1446.5
60°	10250.0	9105.0	5659.2	1592.0	856.8	846.2	954.7	1179.4	1221.8	1314.3	1377.8
62.5°	9472.6	7986.3	4487.7	1216.5	732.5	774.8	880.6	1065.7	1131.8	1245.6	1303.7
65°	7412.5	5304.8	2779.4	822.4	645.3	695.5	796.0	933.5	1041.9	1147.7	1216.5
67.5°	4389.8	2898.4	1375.1	576.5	563.3	616.2	719.3	822.4	946.7	1063.1	1097.5
70°	2390.6	1425.4	587.1	439.0	478.7	526.3	626.7	698.1	817.1	907.1	965.2
72.5°	766.9	433.7	293.5	325.3	364.9	420.5	481.3	568.6	653.2	706.1	753.7
75°	185.1	182.5	208.9	227.4	264.4	306.8	357.0	402.0	468.1	518.3	560.6
77.5°	129.6	140.2	161.3	187.8	201.0	216.8	248.6	283.0	312.0	349.1	375.5
80°	100.5	108.4	124.3	137.5	150.7	164.0	179.8	193.0	211.6	235.4	248.6
82.5°	95.2	100.5	116.4	124.3	119.0	116.4	126.9	132.2	134.9	142.8	150.7
85°	7.9	0.0	5.3	18.5	45.0	66.1	71.4	71.4	68.8	74.0	74.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	10.6	7.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9
2.5°	7150.7	7060.8	7095.2	7137.5	7076.6	6936.5	6973.5	6957.6	7100.4	7089.9	7232.7
5°	5995.1	5854.9	5870.8	6077.0	6010.9	6082.3	5939.5	5921.0	5947.5	5960.7	5984.5
7.5°	4588.2	4569.7	4728.3	4902.9	4984.9	4900.2	4760.1	4728.3	4699.3	4641.1	4773.3
10°	3744.6	3749.9	3739.3	3871.5	3964.1	3945.6	3861.0	3850.4	3794.8	3773.7	3847.7
12.5°	3342.6	3271.2	3236.9	3194.5	3265.9	3313.5	3276.5	3250.1	3252.7	3279.2	3289.7
15°	2953.9	2908.9	2834.9	2787.3	2821.7	2797.9	2784.6	2837.5	2824.3	2819.0	2882.5
17.5°	2517.6	2554.6	2549.3	2496.4	2541.4	2522.8	2520.2	2483.2	2432.9	2395.9	2417.1
20°	2229.3	2298.1	2350.9	2353.6	2377.4	2374.7	2335.1	2221.4	2184.3	2176.4	2181.7
22.5°	2126.2	2163.2	2226.7	2316.6	2316.6	2274.3	2226.7	2094.4	2060.1	2023.0	2007.2
25°	2044.2	2115.6	2197.6	2208.1	2250.5	2210.8	2134.1	2068.0	1996.6	1946.3	1946.3
27.5°	2001.9	2081.2	2142.0	2160.5	2218.7	2187.0	2107.7	2023.0	1938.4	1935.8	1890.8
30°	1983.4	2057.4	2097.1	2142.0	2168.5	2118.2	2094.4	2004.5	1919.9	1898.7	1824.7
32.5°	1927.8	2033.6	2107.7	2097.1	2118.2	2097.1	2062.7	1988.7	1893.5	1845.9	1837.9
35°	1864.4	1970.1	2049.5	2105.0	2118.2	2073.3	2052.1	1951.6	1822.1	1798.3	1716.3
37.5°	1830.0	1893.5	1991.3	2081.2	2099.7	2075.9	2004.5	1901.4	1771.8	1745.4	1674.0
40°	1787.7	1869.7	1946.3	2020.4	2075.9	2017.7	1935.8	1835.3	1777.1	1697.8	1676.6
42.5°	1755.9	1848.5	1912.0	1993.9	2057.4	1980.7	1885.5	1816.8	1734.8	1681.9	1621.1
44°	1745.4	1830.0	1872.3	1972.8	2025.7	1967.5	1888.2	1816.8	1721.6	1674.0	1621.1
45°	1708.3	1824.7	1869.7	1959.6	2004.5	1956.9	1856.4	1785.0	1716.3	1658.1	1602.6
47.5°	1671.3	1750.7	1827.3	1898.7	1930.5	1914.6	1830.0	1742.7	1660.7	1626.4	1573.5
50°	1660.7	1740.1	1811.5	1877.6	1914.6	1882.9	1806.2	1721.6	1626.4	1570.8	1525.9
52.5°	1607.8	1705.7	1785.0	1806.2	1853.8	1835.3	1777.1	1684.5	1594.6	1547.0	1510.0
55°	1531.2	1634.3	1742.7	1769.2	1837.9	1808.8	1721.6	1634.3	1557.6	1486.2	1438.6
57.5°	1502.1	1602.6	1708.3	1742.7	1785.0	1737.4	1716.3	1623.7	1502.1	1465.0	1391.0
60°	1428.0	1555.0	1642.2	1721.6	1724.2	1711.0	1674.0	1568.2	1467.7	1398.9	1346.0
62.5°	1369.8	1488.8	1557.6	1631.6	1676.6	1639.6	1602.6	1504.7	1396.3	1319.6	1258.8
65°	1285.2	1393.6	1451.8	1496.8	1547.0	1541.7	1478.3	1406.9	1293.2	1232.3	1174.2
67.5°	1155.6	1250.8	1330.2	1372.5	1404.2	1396.3	1348.7	1298.4	1182.1	1121.3	1079.0
70°	999.6	1097.5	1147.7	1171.5	1203.2	1219.1	1182.1	1158.3	1055.2	975.8	936.1
72.5°	803.9	867.4	941.4	962.6	975.8	986.4	986.4	965.2	859.5	827.7	759.0
75°	592.4	642.6	698.1	698.1	721.9	724.6	729.9	716.7	637.3	595.0	579.1
77.5°	402.0	439.0	483.9	502.5	518.3	515.7	513.0	476.0	433.7	415.2	399.3
80°	261.8	298.8	320.0	343.8	359.7	357.0	362.3	335.8	317.3	285.6	290.9
82.5°	156.0	185.1	206.3	235.4	235.4	243.3	243.3	235.4	216.8	201.0	201.0
85°	74.0	97.8	111.1	129.6	140.2	142.8	126.9	108.4	89.9	82.0	89.9
87.5°	13.2	18.5	26.4	23.8	29.1	26.4	26.4	26.4	26.4	21.2	23.8
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°	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9	8078.9
2.5°	7179.8	7312.0	7404.6	7557.9	7822.4	8034.0	8250.8	8412.1	8430.6	8478.2
5°	6071.7	6143.1	6378.5	6685.3	6902.1	7259.1	7489.2	7907.0	8063.0	8229.6
7.5°	4741.6	4857.9	5172.6	5378.9	5854.9	6301.8	6764.6	7280.3	7486.5	7510.3
10°	3998.5	4167.7	4381.9	4712.5	4971.6	5468.8	6045.3	6619.2	6849.2	6888.9
12.5°	3511.9	3728.7	4014.3	4252.3	4500.9	4934.6	5487.3	6196.0	6494.9	6674.7
15°	3043.8	3268.6	3583.3	3913.8	4133.3	4651.7	5302.2	6100.8	6489.6	6648.2
17.5°	2562.5	2771.4	3030.6	3387.6	3829.2	4411.0	5273.1	6418.2	6843.9	7029.0
20°	2150.0	2266.3	2567.8	2935.4	3488.1	4165.1	5283.7	6886.2	7510.3	7592.3
22.5°	1988.7	2015.1	2134.1	2472.6	3078.2	3913.8	5471.4	7550.0	8258.7	8528.5
25°	1864.4	1859.1	1890.8	2118.2	2779.4	3816.0	5656.6	8160.9	9089.1	9382.6
27.5°	1795.6	1742.7	1745.4	1959.6	2567.8	3657.3	5894.6	8861.7	10030.5	10160.1
30°	1761.2	1750.7	1718.9	1806.2	2337.7	3419.3	5934.2	9551.9	10585.9	10773.6
32.5°	1740.1	1636.9	1597.3	1629.0	2120.9	3160.2	6082.3	10006.7	11273.4	11191.5
35°	1634.3	1541.7	1515.3	1547.0	1967.5	3014.7	5984.5	10403.4	11789.1	11926.6
37.5°	1594.6	1512.6	1459.8	1433.3	1824.7	2893.1	5934.2	11014.3	12288.9	12619.5
40°	1557.6	1470.3	1406.9	1380.4	1713.6	2731.8	5918.4	11485.0	12865.4	13063.8
42.5°	1515.3	1459.8	1388.4	1340.8	1578.8	2570.4	5735.9	11630.5	13042.6	13256.8
44°	1502.1	1417.4	1343.4	1327.5	1525.9	2488.5	5698.9	11762.7	13196.0	13521.3
45°	1488.8	1409.5	1324.9	1303.7	1507.4	2443.5	5648.6	11794.4	13449.9	13510.7
47.5°	1451.8	1401.6	1319.6	1261.4	1467.7	2345.7	5497.9	11614.6	13190.7	13201.3
50°	1422.7	1364.6	1279.9	1166.2	1414.8	2263.7	5566.6	11548.5	12566.6	12590.4
52.5°	1391.0	1303.7	1256.1	1060.4	1327.5	2194.9	5712.1	11847.3	12638.0	12632.7
55°	1354.0	1258.8	1142.4	970.5	1182.1	2107.7	6063.8	12437.0	13299.1	13389.0
57.5°	1295.8	1213.8	1047.2	891.2	1015.5	1941.1	5950.1	11307.8	12236.0	12251.9
60°	1219.1	1142.4	949.4	830.4	833.0	1531.2	5320.7	8811.4	9655.0	9885.1
62.5°	1145.1	1102.8	867.4	743.1	708.7	1219.1	4498.3	7322.6	8287.8	8478.2
65°	1057.8	954.7	796.0	677.0	608.2	854.2	3186.6	5471.4	6465.8	6722.3
67.5°	946.7	835.7	700.8	595.0	521.0	571.2	1644.9	3109.9	4117.5	4268.2
70°	827.7	724.6	589.7	502.5	420.5	394.0	724.6	1483.6	2250.5	2406.5
72.5°	679.6	584.4	470.7	396.7	314.7	272.4	243.3	396.7	798.6	928.2
75°	491.9	425.8	354.4	283.0	222.1	174.5	142.8	119.0	132.2	142.8
77.5°	362.3	309.4	261.8	201.0	156.0	124.3	97.8	74.0	71.4	68.8
80°	283.0	251.2	208.9	161.3	121.6	92.6	68.8	50.2	45.0	45.0
82.5°	222.1	206.3	171.9	132.2	100.5	74.0	50.2	34.4	29.1	29.1
85°	84.6	84.6	124.3	108.4	76.7	52.9	34.4	18.5	15.9	15.9
87.5°	21.2	21.2	21.2	21.2	18.5	15.9	15.9	7.9	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)