

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: STREETWORKS

Report Number: P654375

Luminaire Tested: **GLAN-SA5B-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654375
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: STREETWORKS
Catalog Number: GLAN-SA5B-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 4000K, 800mA 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: 17848.6 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

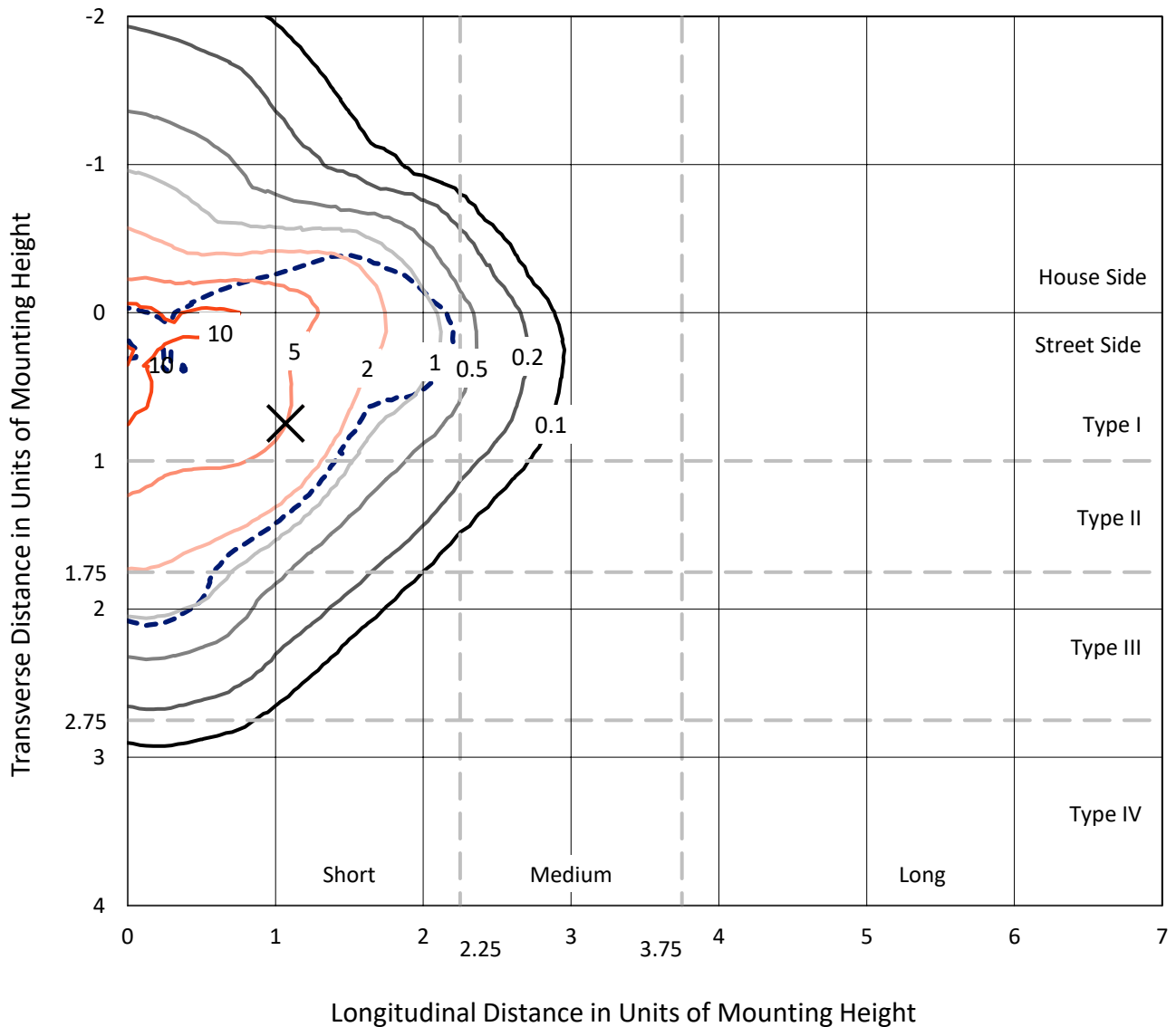
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

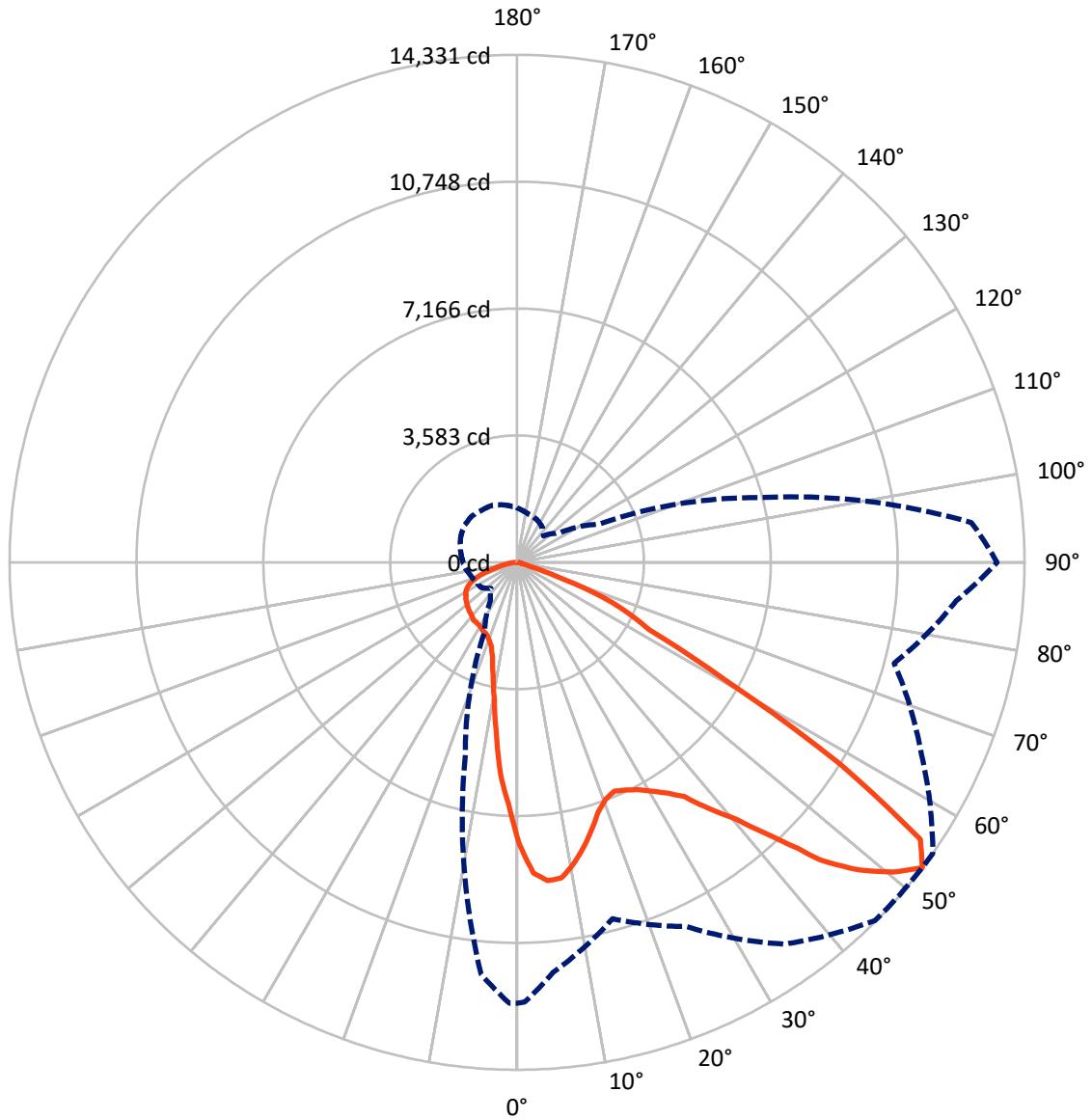
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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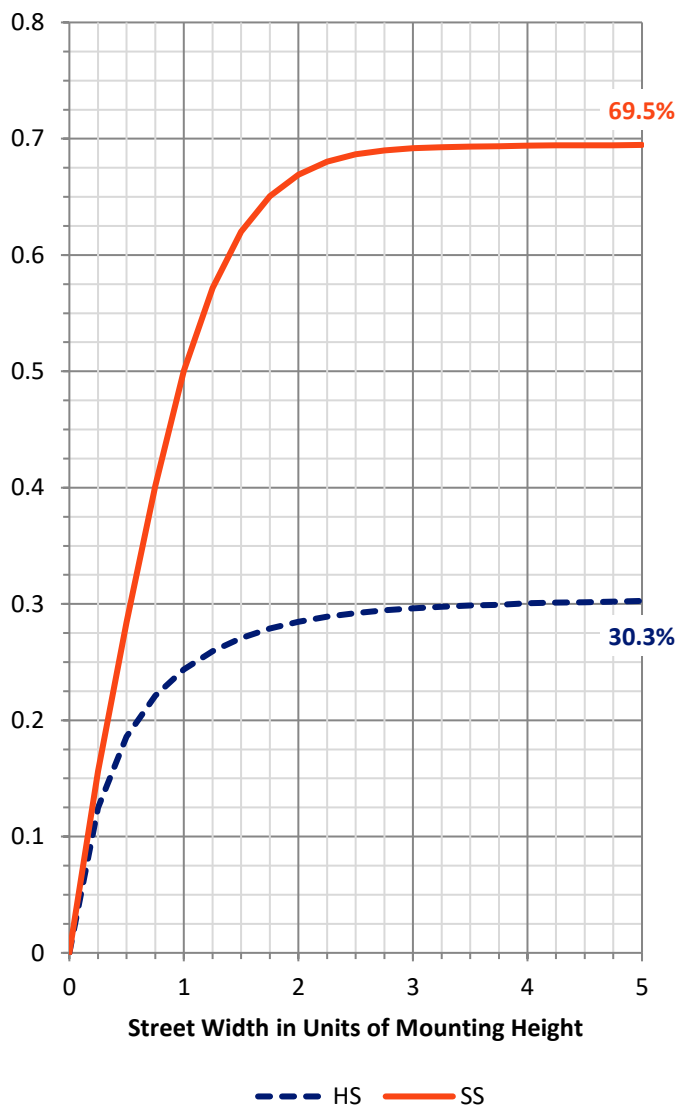
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5444.8	0.0	5444.8
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	12403.8	0.0	12403.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	17848.6	0.0	17848.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.3	3.4
10°-20°	1311.5	7.3
20°-30°	1988.7	11.1
30°-40°	2873.3	16.1
40°-50°	3839.5	21.5
50°-60°	4285.8	24.0
60°-70°	2350.9	13.2
70°-80°	508.3	2.8
80°-90°	82.2	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°	17848.6	100.0
0°-180°	17848.6	100.0

Coefficient of Utilization

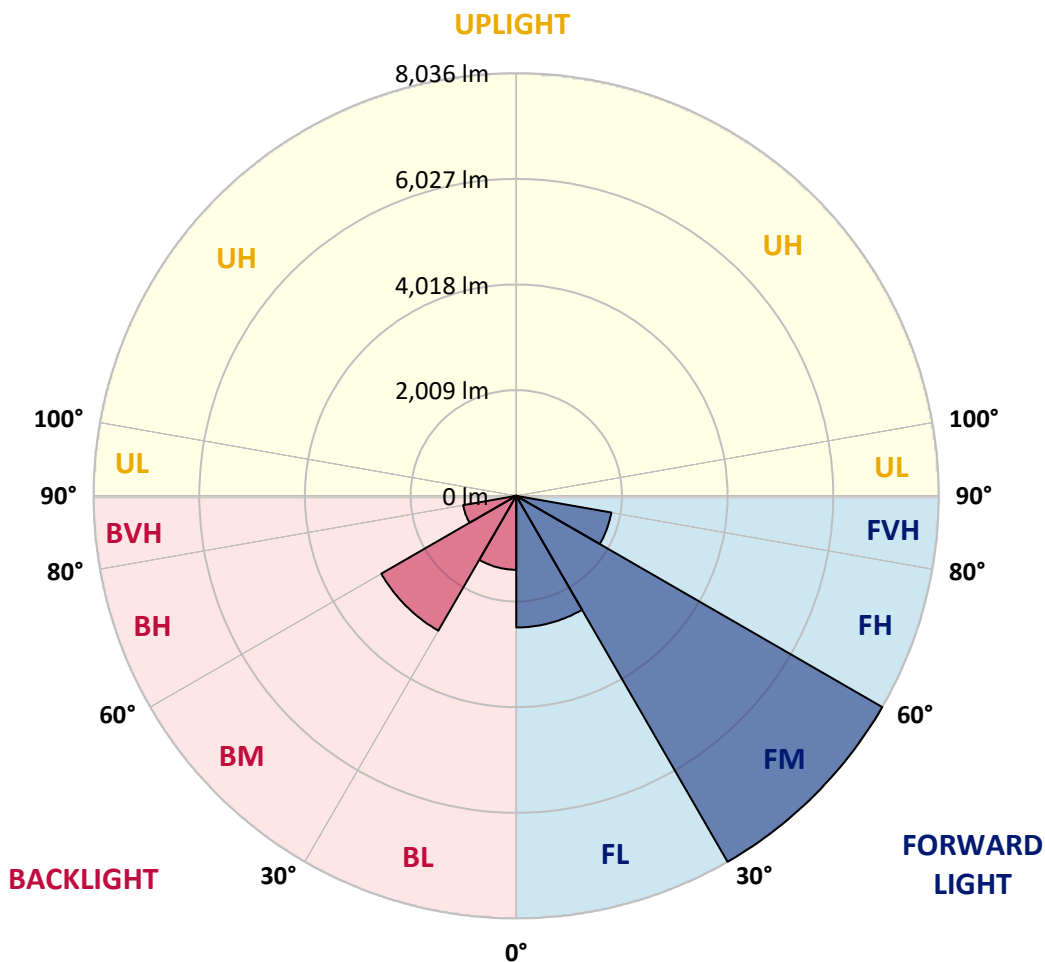


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2502.7	14.0			
FM (30°-60°)	8036.3	45.0			
FH (60°-80°)	1834.4	10.3			G2/5000
FVH (80°-90°)	30.4	0.2			G1/100
BL (0°-30°)	1405.8	7.9	B3/2500		
BM (30°-60°)	2962.4	16.6	B3/5000		
BH (60°-80°)	1024.8	5.7	B3/2500		G3/2500
BVH (80°-90°)	51.8	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-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8
2.5°	8355.3	8308.5	8350.1	8548.2	8662.9	8741.1	8790.6	8782.7	8595.1	8412.7	8412.7
5°	8110.4	8050.5	8136.4	8584.7	9035.5	9074.6	9139.8	9032.9	8756.7	8423.1	8006.2
7.5°	7401.5	7445.8	7589.2	8178.1	8764.6	9059.0	9137.2	9001.7	8553.4	7930.5	7318.1
10°	6789.1	6893.3	7224.3	7860.2	8399.7	8782.7	8868.8	8678.5	8324.0	7560.5	7013.2
12.5°	6578.0	6512.8	6880.3	7516.2	8032.2	8238.1	8277.2	8290.2	8050.5	7372.9	6705.6
15°	6551.9	6593.6	6880.3	7362.5	7680.3	7690.8	7756.0	7857.5	7888.8	7500.5	6849.0
17.5°	6927.1	6877.7	7172.1	7555.3	7404.1	7253.0	7268.6	7414.5	7672.5	7610.0	7299.9
20°	7482.3	7594.4	7826.3	7787.2	7380.6	6997.5	7000.1	7138.3	7646.5	8063.5	7927.9
22.5°	8404.9	8514.4	8686.4	8214.6	7380.6	6921.9	6833.4	7021.0	7813.3	8602.9	8636.8
25°	9246.7	9447.4	9494.2	8939.2	7750.7	6992.3	6935.0	7120.1	7980.1	9129.4	9450.0
27.5°	10012.9	10085.9	10291.7	9405.7	7956.6	7039.3	7034.0	7271.2	8191.2	9392.6	10177.1
30°	10617.5	10609.7	10727.0	9700.2	8285.0	7302.5	7049.7	7497.9	8467.4	9827.8	10849.5
32.5°	11029.3	11117.9	11365.4	10109.3	8423.1	7552.7	7354.6	7763.8	8803.6	10033.7	11323.8
35°	11753.8	11907.6	11594.8	10336.1	8860.9	7800.3	7568.3	8126.0	8970.4	10257.8	11904.9
37.5°	12436.6	12319.3	12001.4	10458.5	9145.0	8259.0	8042.7	8827.1	9489.0	10745.2	12290.7
40°	12874.4	12871.8	12306.3	10557.6	9345.7	8960.0	8947.0	9538.5	10125.0	11052.8	12723.3
42.5°	13064.7	13247.1	12431.4	10547.1	9767.9	9809.6	10072.8	10601.9	10575.8	11115.3	12712.9
44°	13325.3	13434.8	12647.7	10570.6	10049.4	10383.0	11003.2	11339.5	10969.3	11081.4	12699.9
45°	13314.9	13322.7	12340.2	10601.9	10289.1	10862.5	11417.6	11985.8	11316.0	11008.4	12871.8
47.5°	13009.9	12921.4	12079.5	10370.0	11037.1	12129.1	12642.5	12986.6	11743.4	10852.1	12658.1
50°	12407.9	12306.3	11446.3	10270.9	11193.5	12916.2	13625.0	13750.1	12131.7	10698.3	12447.1
52.5°	12449.7	12421.0	11626.1	10419.5	11349.9	13163.8	14300.0	14331.3	12572.1	11021.5	12449.7
55°	13195.0	13096.0	12142.1	10604.5	11235.2	12874.4	13870.0	13815.3	12423.6	10826.0	12679.0
57.5°	12074.3	12139.5	11428.0	9872.2	9833.1	10466.3	10904.2	10768.7	10367.3	9770.5	11795.5
60°	9741.8	9926.9	9994.6	8256.3	7419.7	7094.0	6963.6	6723.9	6791.7	8027.0	10362.1
62.5°	8355.3	8344.9	8769.8	7484.9	4860.5	4180.3	4117.7	4172.5	4954.3	7901.9	10148.4
65°	6624.9	6802.1	6932.4	6343.4	3846.7	3104.0	3101.4	3447.9	4287.2	6604.0	8193.8
67.5°	4206.3	4438.3	4599.8	4057.8	2572.3	2210.1	2150.1	2567.1	2971.0	4331.5	4933.5
70°	2371.6	2481.0	2554.0	2340.3	1636.7	1146.7	1078.9	1178.0	1795.6	2804.2	2924.2
72.5°	914.8	964.3	1063.3	1071.1	617.6	370.0	299.7	359.6	755.8	1110.2	1058.1
75°	140.7	151.1	213.7	255.4	177.2	135.5	143.3	148.5	211.1	286.7	239.8
77.5°	67.8	67.8	65.2	75.6	88.6	96.5	104.3	114.7	125.1	138.1	132.9
80°	44.3	44.3	44.3	52.1	65.2	78.2	88.6	93.9	99.1	109.5	104.3
82.5°	28.7	28.7	28.7	39.1	52.1	65.2	70.4	83.4	93.9	109.5	101.7
85°	15.6	15.6	15.6	26.1	39.1	54.7	52.1	41.7	23.5	2.6	5.2
87.5°	5.2	5.2	5.2	5.2	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°	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8
2.5°	8193.8	8073.9	8063.5	7818.5	7599.6	7492.7	7406.7	7166.9	7219.1	7081.0	7078.4
5°	7797.7	7552.7	7156.5	6830.8	6505.0	6439.8	6155.8	5908.2	5916.0	5738.7	5770.0
7.5°	7086.2	6916.7	6434.7	5923.8	5491.2	5183.7	4915.2	4753.7	4547.8	4477.4	4440.9
10°	6635.3	6426.8	5884.7	5243.6	4758.9	4594.6	4336.6	4193.3	3982.2	3877.9	3805.0
12.5°	6437.3	6132.3	5454.7	4803.1	4480.0	4310.6	4091.7	3831.1	3580.9	3484.4	3351.6
15°	6458.0	6093.2	5329.6	4625.9	4237.6	3909.2	3713.8	3424.5	3169.1	2999.7	2903.3
17.5°	6773.4	6330.4	5386.9	4490.4	3932.7	3520.9	3137.9	2825.1	2621.8	2494.1	2462.8
20°	7518.8	6916.7	5483.4	4271.5	3627.8	3114.4	2642.7	2316.9	2160.5	2157.9	2160.5
22.5°	8139.0	7542.3	5678.9	4141.2	3322.9	2593.1	2124.0	2019.7	1988.5	2053.6	2061.5
25°	8975.7	8245.9	6015.0	4073.5	3041.4	2210.1	1920.8	1881.7	1879.0	1962.5	1965.1
27.5°	9833.1	8860.9	6215.7	3875.3	2754.7	2011.9	1798.2	1790.4	1832.1	1920.8	1912.9
30°	10416.9	9377.0	6578.0	3638.2	2415.9	1837.3	1748.8	1759.1	1816.5	1884.3	1894.7
32.5°	11097.1	9885.2	6671.8	3507.9	2207.5	1691.4	1628.8	1652.3	1725.3	1832.1	1889.5
35°	11876.3	10244.8	6815.1	3330.7	2129.2	1579.3	1548.0	1574.1	1662.7	1733.1	1795.6
37.5°	12452.3	10880.8	6841.2	3192.5	2043.2	1516.8	1467.3	1553.2	1605.4	1704.5	1735.7
40°	12879.7	11342.1	6908.9	3106.6	1975.5	1436.0	1436.0	1493.4	1563.7	1654.9	1717.5
42.5°	13153.3	11678.2	6958.4	3028.4	1845.2	1412.5	1399.5	1456.9	1550.6	1639.3	1668.0
44°	13320.1	11821.6	6908.9	2955.4	1808.7	1383.9	1383.9	1433.4	1506.4	1610.6	1644.5
45°	13361.8	12001.4	6799.5	2952.8	1764.3	1350.0	1344.8	1438.6	1488.1	1615.8	1636.7
47.5°	13523.4	12222.9	6812.5	2869.4	1657.5	1269.2	1360.4	1402.1	1446.4	1558.5	1628.8
50°	13518.1	12361.0	6783.8	2746.9	1579.3	1178.0	1329.1	1376.0	1420.4	1535.0	1563.7
52.5°	13554.6	12877.1	7047.1	2551.4	1438.6	1060.7	1224.9	1329.1	1383.9	1480.3	1540.2
55°	13536.4	13171.6	7307.7	2405.5	1240.6	990.4	1136.3	1258.8	1336.9	1438.6	1467.3
57.5°	12363.6	11641.7	6763.0	2131.9	1026.9	906.9	1011.2	1185.8	1284.9	1389.1	1425.6
60°	10101.5	8973.0	5577.2	1568.9	844.4	833.9	940.8	1162.3	1204.1	1295.2	1357.8
62.5°	9335.3	7870.6	4422.7	1198.8	721.9	763.6	867.8	1050.3	1115.4	1227.5	1284.9
65°	7305.1	5228.0	2739.1	810.6	635.9	685.4	784.5	920.0	1026.9	1131.1	1198.8
67.5°	4326.3	2856.4	1355.2	568.2	555.1	607.2	708.9	810.6	933.0	1047.7	1081.5
70°	2356.0	1404.7	578.6	432.6	471.7	518.6	617.6	688.0	805.3	893.9	951.3
72.5°	755.8	427.4	289.3	320.6	359.6	414.4	474.3	560.4	643.7	695.8	742.8
75°	182.4	179.8	205.9	224.1	260.6	302.3	351.8	396.1	461.3	510.8	552.5
77.5°	127.7	138.1	158.9	185.0	198.1	213.7	245.0	278.9	307.6	344.1	370.0
80°	99.1	106.9	122.4	135.5	148.5	161.6	177.2	190.2	208.5	231.9	245.0
82.5°	93.9	99.1	114.7	122.4	117.2	114.7	125.1	130.3	132.9	140.7	148.5
85°	7.8	0.0	5.2	18.2	44.3	65.2	70.4	70.4	67.8	73.0	73.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	10.4	7.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8
2.5°	7047.1	6958.4	6992.3	7034.0	6974.1	6836.0	6872.5	6856.8	6997.5	6987.1	7127.9
5°	5908.2	5770.0	5785.7	5988.9	5923.8	5994.1	5853.4	5835.2	5861.3	5874.3	5897.8
7.5°	4521.7	4503.5	4659.8	4831.8	4912.6	4829.2	4691.1	4659.8	4631.1	4573.8	4704.1
10°	3690.3	3695.5	3685.1	3815.4	3906.6	3888.4	3805.0	3794.6	3739.8	3719.0	3792.0
12.5°	3294.2	3223.8	3189.9	3148.3	3218.6	3265.5	3229.0	3202.9	3205.6	3231.6	3242.1
15°	2911.1	2866.8	2793.8	2746.9	2780.8	2757.3	2744.3	2796.4	2783.4	2778.2	2840.7
17.5°	2481.0	2517.5	2512.3	2460.2	2504.5	2486.2	2483.6	2447.2	2397.7	2361.2	2382.0
20°	2197.0	2264.7	2316.9	2319.5	2342.9	2340.3	2301.2	2189.2	2152.7	2144.9	2150.1
22.5°	2095.4	2131.9	2194.4	2283.0	2283.0	2241.3	2194.4	2064.1	2030.2	1993.7	1978.1
25°	2014.5	2084.9	2165.7	2176.2	2217.9	2178.8	2103.2	2038.0	1967.7	1918.2	1918.2
27.5°	1972.9	2051.0	2111.0	2129.2	2186.6	2155.3	2077.1	1993.7	1910.3	1907.7	1863.4
30°	1954.7	2027.6	2066.7	2111.0	2137.1	2087.5	2064.1	1975.5	1892.1	1871.2	1798.2
32.5°	1899.9	2004.1	2077.1	2066.7	2087.5	2066.7	2032.8	1959.9	1866.0	1819.1	1811.3
35°	1837.3	1941.6	2019.7	2074.5	2087.5	2043.2	2022.4	1923.4	1795.6	1772.2	1691.4
37.5°	1803.4	1866.0	1962.5	2051.0	2069.3	2045.8	1975.5	1873.8	1746.2	1720.1	1649.7
40°	1761.7	1842.5	1918.2	1991.1	2045.8	1988.5	1907.7	1808.7	1751.4	1673.2	1652.3
42.5°	1730.5	1821.7	1884.3	1965.1	2027.6	1952.0	1858.2	1790.4	1709.7	1657.5	1597.6
44°	1720.1	1803.4	1845.2	1944.2	1996.3	1939.0	1860.8	1790.4	1696.6	1649.7	1597.6
45°	1683.6	1798.2	1842.5	1931.2	1975.5	1928.6	1829.5	1759.1	1691.4	1634.1	1579.3
47.5°	1647.1	1725.3	1800.8	1871.2	1902.5	1886.9	1803.4	1717.5	1636.7	1602.8	1550.6
50°	1636.7	1714.9	1785.2	1850.4	1886.9	1855.6	1780.0	1696.6	1602.8	1548.0	1503.8
52.5°	1584.5	1681.0	1759.1	1780.0	1826.9	1808.7	1751.4	1660.1	1571.5	1524.6	1488.1
55°	1509.0	1610.6	1717.5	1743.6	1811.3	1782.6	1696.6	1610.6	1535.0	1464.7	1417.8
57.5°	1480.3	1579.3	1683.6	1717.5	1759.1	1712.3	1691.4	1600.2	1480.3	1443.8	1370.8
60°	1407.3	1532.4	1618.4	1696.6	1699.2	1686.2	1649.7	1545.4	1446.4	1378.7	1326.5
62.5°	1350.0	1467.3	1535.0	1608.0	1652.3	1615.8	1579.3	1482.9	1376.0	1300.4	1240.6
65°	1266.6	1373.4	1430.8	1475.1	1524.6	1519.4	1456.9	1386.5	1274.5	1214.5	1157.1
67.5°	1138.9	1232.7	1310.9	1352.6	1383.9	1376.0	1329.1	1279.7	1165.0	1105.0	1063.3
70°	985.1	1081.5	1131.1	1154.5	1185.8	1201.5	1165.0	1141.5	1039.9	961.7	922.6
72.5°	792.3	854.8	927.8	948.6	961.7	972.1	972.1	951.3	847.0	815.8	748.0
75°	583.8	633.3	688.0	688.0	711.5	714.1	719.3	706.3	628.1	586.3	570.8
77.5°	396.1	432.6	476.9	495.2	510.8	508.2	505.6	469.1	427.4	409.1	393.5
80°	258.0	294.5	315.4	338.8	354.4	351.8	357.0	331.0	312.8	281.5	286.7
82.5°	153.7	182.4	203.3	231.9	231.9	239.8	239.8	231.9	213.7	198.1	198.1
85°	73.0	96.5	109.5	127.7	138.1	140.7	125.1	106.9	88.6	80.8	88.6
87.5°	13.0	18.2	26.1	23.5	28.7	26.1	26.1	26.1	26.1	20.9	23.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8	7961.8
2.5°	7075.8	7206.0	7297.3	7448.4	7709.0	7917.5	8131.2	8290.2	8308.5	8355.3
5°	5983.7	6054.1	6286.1	6588.4	6802.1	7153.9	7380.6	7792.5	7946.2	8110.4
7.5°	4672.8	4787.6	5097.6	5300.9	5770.0	6210.4	6666.6	7174.7	7378.0	7401.5
10°	3940.5	4107.3	4318.5	4644.2	4899.6	5389.5	5957.7	6523.2	6750.0	6789.1
12.5°	3461.0	3674.7	3956.1	4190.7	4435.7	4863.1	5407.8	6106.2	6400.8	6578.0
15°	2999.7	3221.2	3531.4	3857.2	4073.5	4584.2	5225.4	6012.4	6395.6	6551.9
17.5°	2525.4	2731.2	2986.6	3338.5	3773.7	4347.0	5196.7	6325.2	6744.7	6927.1
20°	2118.8	2233.4	2530.6	2892.9	3437.5	4104.7	5207.1	6786.4	7401.5	7482.3
22.5°	1959.9	1985.9	2103.2	2436.8	3033.6	3857.2	5392.2	7440.6	8139.0	8404.9
25°	1837.3	1832.1	1863.4	2087.5	2739.1	3760.7	5574.6	8042.7	8957.4	9246.7
27.5°	1769.5	1717.5	1720.1	1931.2	2530.6	3604.4	5809.1	8733.3	9885.2	10012.9
30°	1735.7	1725.3	1694.0	1780.0	2303.8	3369.8	5848.2	9413.5	10432.4	10617.5
32.5°	1714.9	1613.2	1574.1	1605.4	2090.1	3114.4	5994.1	9861.7	11110.1	11029.3
35°	1610.6	1519.4	1493.4	1524.6	1939.0	2971.0	5897.8	10252.6	11618.2	11753.8
37.5°	1571.5	1490.8	1438.6	1412.5	1798.2	2851.2	5848.2	10854.7	12110.8	12436.6
40°	1535.0	1449.0	1386.5	1360.4	1688.8	2692.2	5832.6	11318.6	12679.0	12874.4
42.5°	1493.4	1438.6	1368.2	1321.3	1555.8	2533.2	5652.8	11461.9	12853.6	13064.7
44°	1480.3	1396.9	1323.9	1308.3	1503.8	2452.4	5616.3	11592.2	13004.7	13325.3
45°	1467.3	1389.1	1305.7	1284.9	1485.5	2408.1	5566.7	11623.5	13254.9	13314.9
47.5°	1430.8	1381.3	1300.4	1243.2	1446.4	2311.7	5418.2	11446.3	12999.5	13009.9
50°	1402.1	1344.8	1261.4	1149.3	1394.3	2230.8	5486.0	11381.1	12384.5	12407.9
52.5°	1370.8	1284.9	1238.0	1045.1	1308.3	2163.1	5629.3	11675.6	12454.9	12449.7
55°	1334.3	1240.6	1125.8	956.5	1165.0	2077.1	5975.9	12256.8	13106.4	13195.0
57.5°	1277.1	1196.2	1032.1	878.3	1000.8	1912.9	5863.9	11143.9	12058.8	12074.3
60°	1201.5	1125.8	935.6	818.4	820.9	1509.0	5243.6	8683.7	9515.1	9741.8
62.5°	1128.5	1086.7	854.8	732.3	698.5	1201.5	4433.1	7216.5	8167.7	8355.3
65°	1042.5	940.8	784.5	667.2	599.4	841.8	3140.5	5392.2	6372.1	6624.9
67.5°	933.0	823.5	690.6	586.3	513.4	563.0	1621.0	3064.9	4057.8	4206.3
70°	815.8	714.1	581.2	495.2	414.4	388.3	714.1	1462.1	2217.9	2371.6
72.5°	669.8	576.0	463.9	390.9	310.2	268.4	239.8	390.9	787.1	914.8
75°	484.8	419.6	349.3	278.9	218.9	172.0	140.7	117.2	130.3	140.7
77.5°	357.0	304.9	258.0	198.1	153.7	122.4	96.5	73.0	70.4	67.8
80°	278.9	247.6	205.9	158.9	119.8	91.2	67.8	49.5	44.3	44.3
82.5°	218.9	203.3	169.4	130.3	99.1	73.0	49.5	33.9	28.7	28.7
85°	83.4	83.4	122.4	106.9	75.6	52.1	33.9	18.2	15.6	15.6
87.5°	20.9	20.9	20.9	20.9	18.2	15.6	15.6	7.8	5.2	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)