

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: P649979

Luminaire Tested: **GLAN-SA6A-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649979
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: STREETWORKS
Catalog Number: GLAN-SA6A-835-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA 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: 15813.5 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

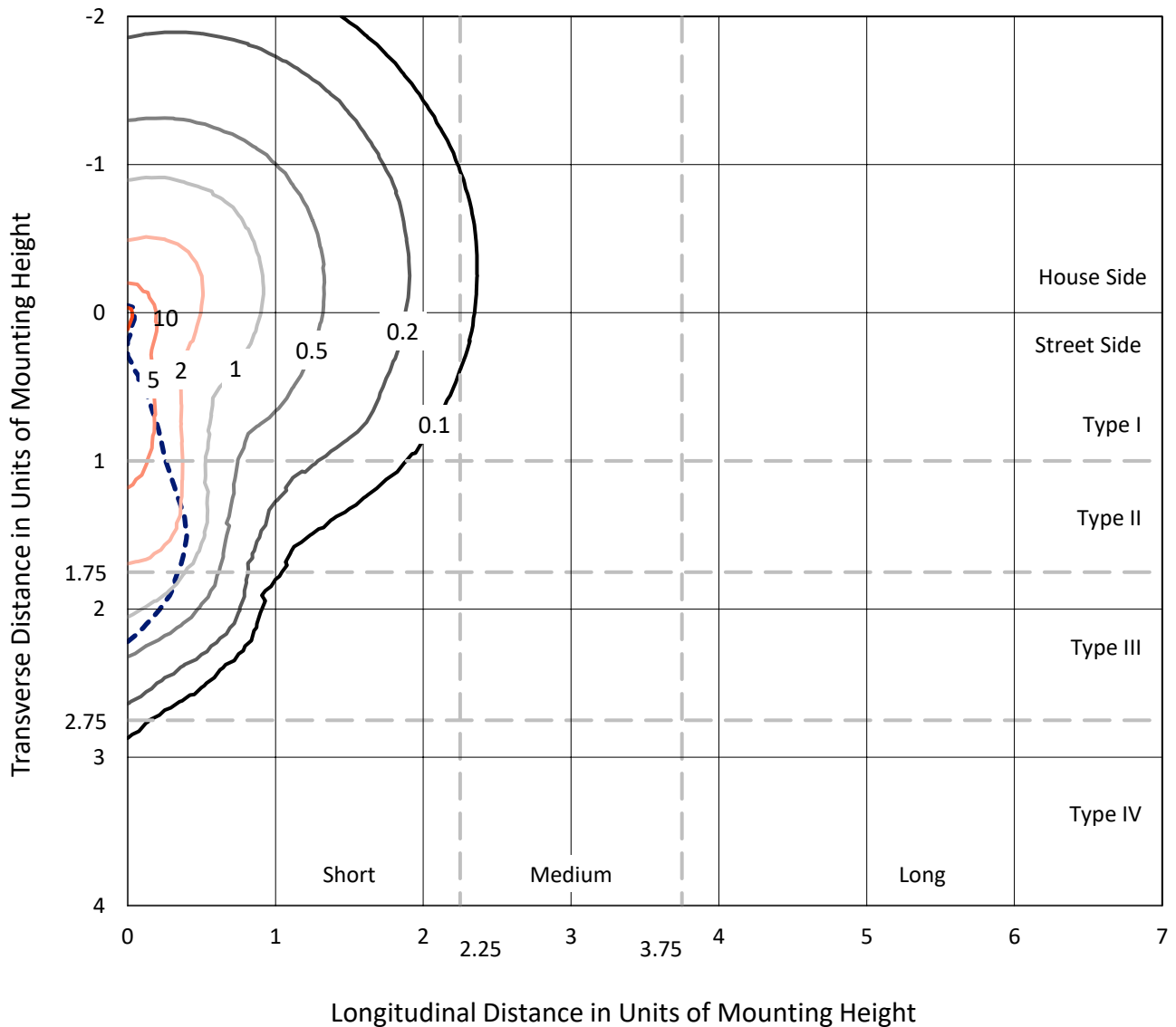
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

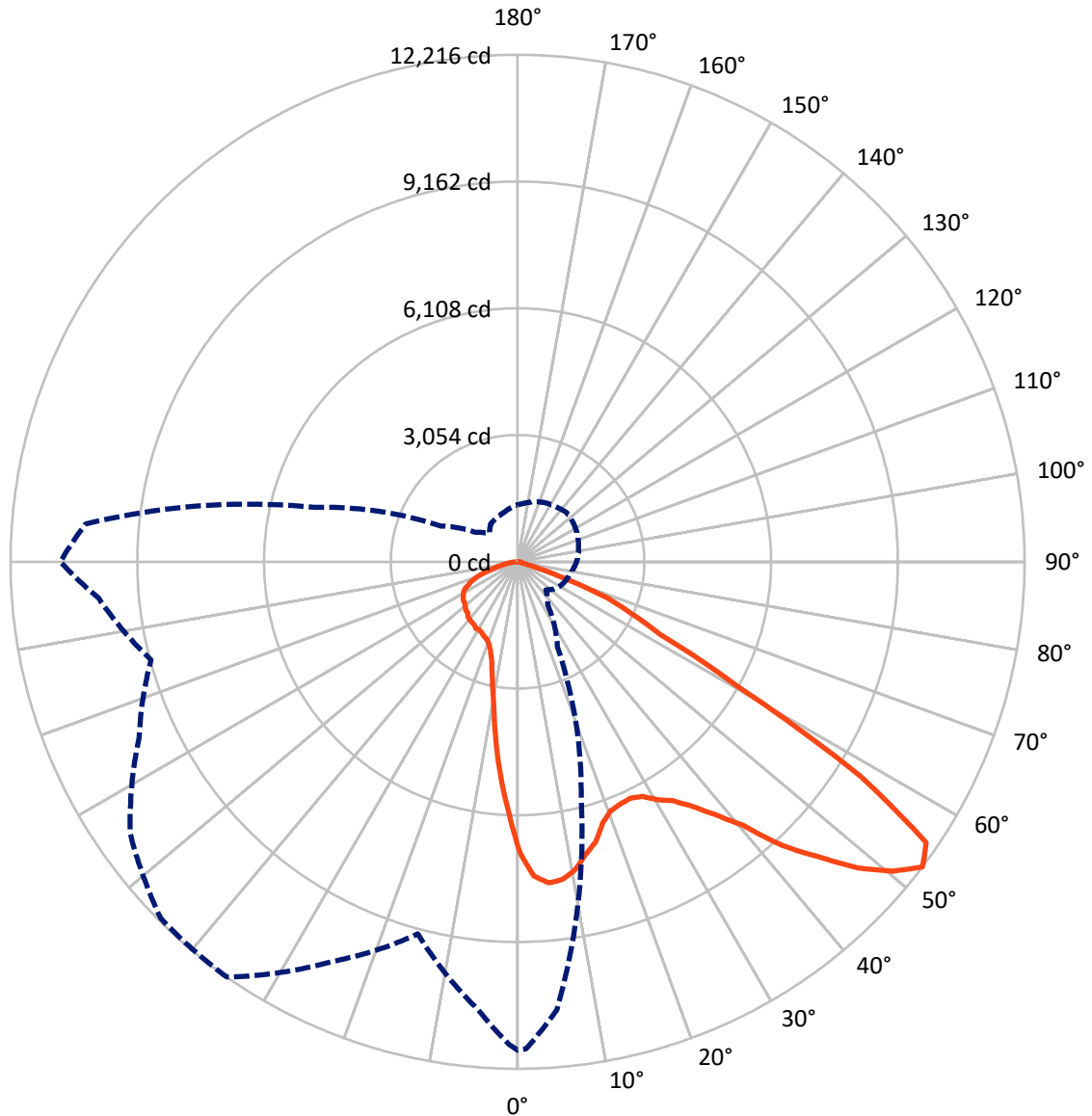
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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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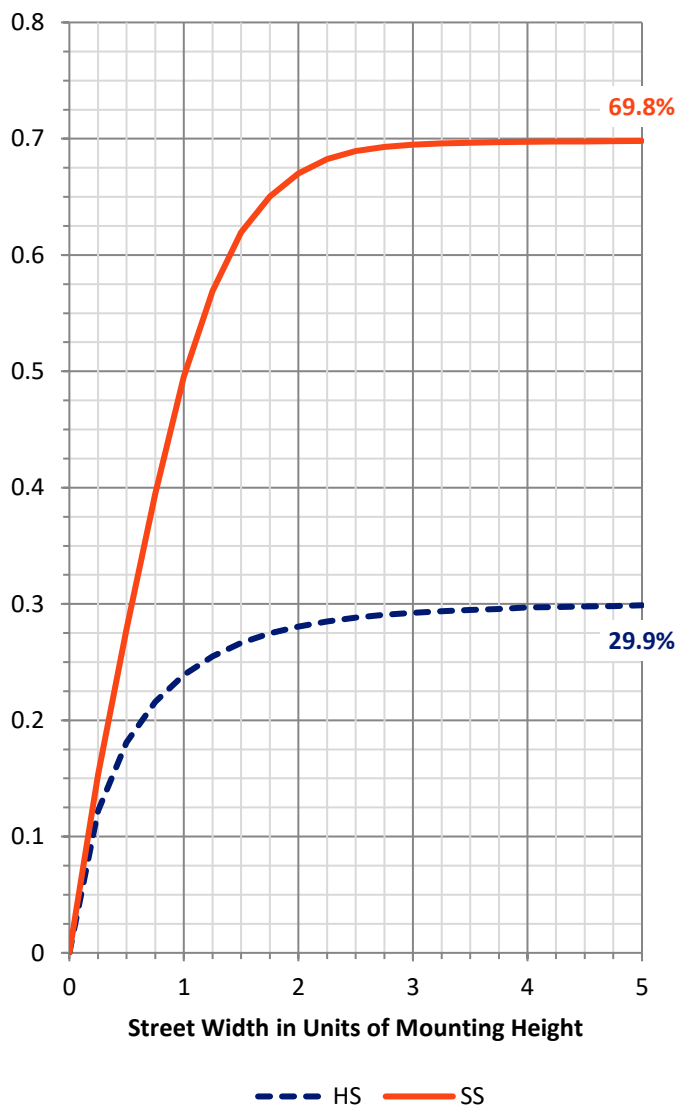
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4767.1	0.0	4767.1
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	11046.4	0.0	11046.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	15813.5	0.0	15813.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.4	3.4
10°-20°	1160.7	7.3
20°-30°	1753.7	11.1
30°-40°	2534.2	16.0
40°-50°	3372.6	21.3
50°-60°	3772.3	23.9
60°-70°	2126.1	13.4
70°-80°	473.9	3.0
80°-90°	84.4	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°	15813.5	100.0
0°-180°	15813.5	100.0

Coefficient of Utilization

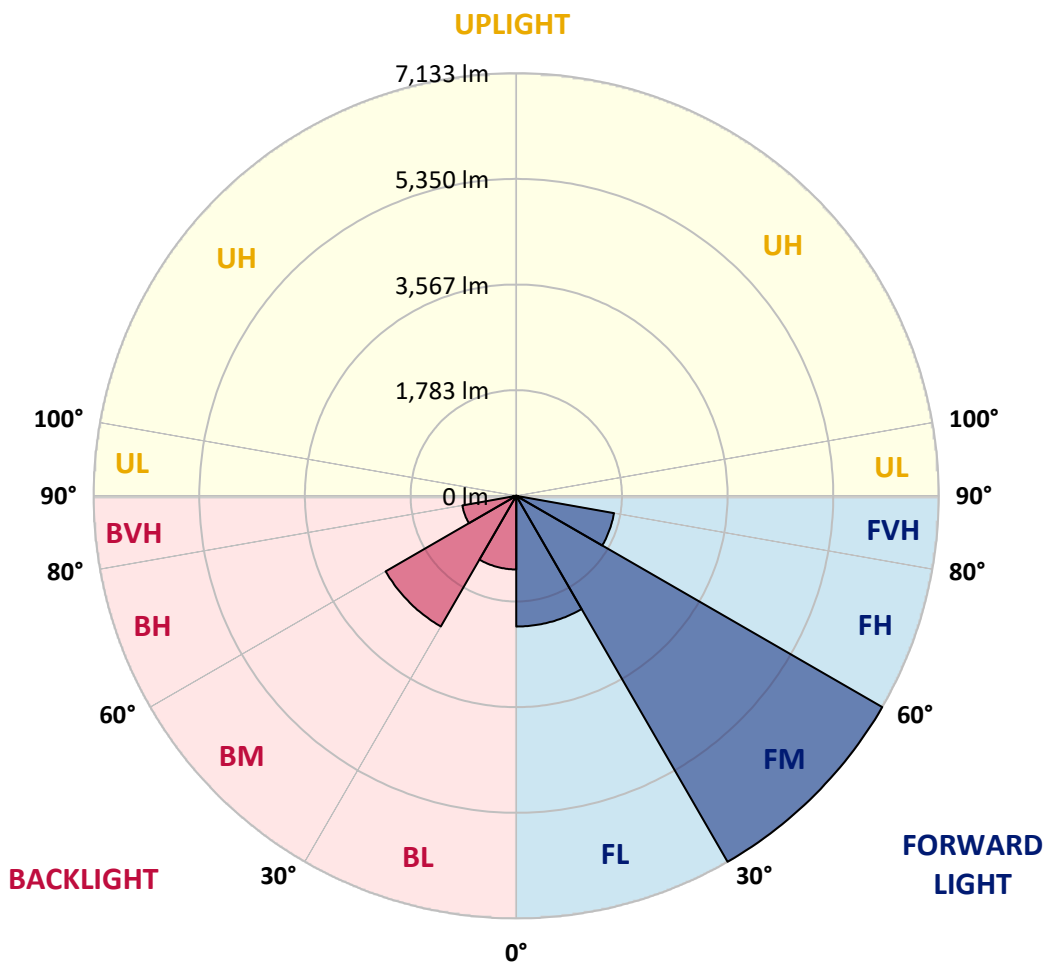


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2206.7	14.0			
FM (30°-60°)	7133.1	45.1			
FH (60°-80°)	1676.0	10.6			G1/1800
FVH (80°-90°)	30.6	0.2			G1/100
BL (0°-30°)	1243.1	7.9	B3/2500		
BM (30°-60°)	2546.1	16.1	B3/5000		
BH (60°-80°)	924.0	5.8	B2/1000		G2/1000
BVH (80°-90°)	53.8	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1
2.5°	7135.0	7249.6	7125.8	6905.8	6749.9	6607.8	6458.9	6429.1	6234.2	6199.9	6057.8
5°	6729.3	6704.1	6552.8	6264.1	5945.5	5656.6	5443.5	5237.3	5097.4	4934.7	4923.2
7.5°	6236.5	6089.9	6002.8	5565.0	5170.8	4716.9	4522.1	4208.2	4109.6	3962.8	3887.2
10°	5796.5	5688.7	5484.8	5047.0	4496.9	4196.6	3988.1	3818.5	3703.9	3552.6	3362.4
12.5°	5578.7	5535.2	5306.0	4627.5	4219.6	3898.7	3752.0	3587.0	3392.2	3149.2	3055.3
15°	5617.7	5471.0	5296.8	4547.4	3983.5	3674.1	3440.3	3234.0	2984.2	2752.7	2617.5
17.5°	5908.8	5796.5	5448.1	4597.8	3894.1	3447.2	3023.2	2718.3	2493.7	2285.1	2191.1
20°	6481.8	6319.0	5927.2	4661.9	3701.6	3130.9	2645.0	2269.1	2028.4	1918.4	1886.3
22.5°	7116.7	7020.4	6394.7	4806.4	3548.0	2837.5	2243.8	1868.0	1778.6	1748.8	1808.4
25°	7889.0	7639.3	7121.2	5042.4	3428.8	2587.7	1904.6	1696.1	1650.3	1680.0	1748.8
27.5°	8475.8	8409.3	7630.1	5264.7	3266.1	2287.5	1714.5	1576.9	1590.7	1620.4	1684.6
30°	9172.6	8835.7	8122.8	5418.3	3119.4	2081.1	1581.5	1544.8	1558.6	1609.0	1641.1
32.5°	9592.1	9466.0	8432.3	5649.8	2949.8	1902.4	1478.3	1443.9	1464.6	1540.2	1615.9
35°	10126.1	9876.2	8815.0	5709.4	2830.6	1831.3	1405.0	1379.8	1428.0	1480.7	1565.5
37.5°	10749.5	10577.6	9344.5	5668.1	2766.4	1758.0	1343.1	1331.6	1366.0	1439.4	1538.0
40°	11118.5	11065.8	9621.8	5693.3	2665.6	1693.8	1272.1	1285.8	1356.9	1414.2	1510.4
42.5°	11473.8	11130.0	10032.1	5684.2	2601.4	1606.7	1279.0	1262.9	1317.9	1384.3	1476.0
45°	11551.7	11210.2	10128.3	5620.0	2523.5	1521.9	1226.3	1233.1	1299.5	1382.1	1441.7
47.5°	11501.3	11249.1	10307.2	5601.7	2450.2	1462.3	1148.3	1230.8	1269.8	1336.3	1421.1
50°	11466.9	11453.2	10458.4	5688.7	2351.6	1368.3	1054.3	1201.0	1240.0	1306.4	1398.1
52.5°	11769.4	11739.7	10836.6	5917.9	2273.7	1267.4	958.1	1125.4	1219.4	1283.5	1372.9
55°	11952.8	11822.1	11485.2	6199.9	2143.0	1134.6	891.6	1031.4	1168.9	1226.3	1317.9
57.5°	10751.8	10662.4	10389.6	5787.3	1923.0	960.3	809.1	935.1	1100.2	1189.5	1283.5
60°	8945.7	8805.9	8106.8	4918.6	1418.7	747.2	758.6	859.5	1081.8	1116.2	1226.3
62.5°	8434.6	8088.5	7137.3	3958.3	1088.7	641.7	680.7	790.8	985.6	1042.9	1152.9
65°	6692.6	6435.9	5106.6	2858.1	728.9	556.9	621.2	712.8	850.3	962.6	1063.5
67.5°	4189.8	3944.5	2725.2	1352.3	508.8	476.8	554.7	650.9	763.3	864.1	976.4
70°	2188.9	1920.7	1258.3	488.2	350.7	389.6	463.0	554.7	664.7	747.2	834.3
72.5°	816.0	662.4	410.3	210.9	243.0	297.9	375.9	442.4	520.3	621.2	669.2
75°	126.1	107.7	105.5	128.3	165.1	215.5	268.2	334.7	403.4	467.6	499.6
77.5°	59.6	57.3	64.2	84.8	110.0	153.5	194.8	259.0	314.0	355.2	373.6
80°	39.0	36.6	41.3	57.3	82.5	114.6	155.9	199.4	249.9	284.2	279.6
82.5°	22.9	25.2	25.2	39.0	57.3	82.5	112.3	151.3	185.6	215.5	197.1
85°	13.8	11.4	11.4	22.9	39.0	66.5	94.0	64.2	66.5	66.5	75.6
87.5°	4.6	4.6	4.6	2.3	4.6	4.6	6.9	11.4	13.8	16.1	20.6
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°	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1
2.5°	6053.2	6124.2	6099.0	6009.6	6078.4	6089.9	6044.0	6202.1	6232.0	6183.8	6197.6
5°	4907.2	4925.5	4966.8	5053.9	5115.7	5189.1	5189.1	5193.7	5131.8	5287.7	5241.8
7.5°	3823.1	3834.5	3882.7	4068.3	4121.0	4260.9	4320.4	4279.2	4155.4	4102.7	4146.2
10°	3300.5	3234.0	3218.0	3240.9	3360.1	3419.7	3470.1	3456.3	3435.7	3394.5	3348.6
12.5°	2952.1	2904.0	2865.0	2810.0	2816.8	2874.2	2913.2	2881.0	2890.2	2899.4	2913.2
15°	2574.0	2539.5	2518.9	2436.4	2427.2	2466.2	2479.9	2498.3	2532.7	2535.0	2518.9
17.5°	2172.8	2143.0	2188.9	2234.7	2202.6	2204.9	2230.1	2246.2	2237.0	2195.8	2175.1
20°	1897.8	1929.9	1975.7	2019.3	2053.7	2074.2	2083.4	2058.2	2028.4	1943.6	1941.3
22.5°	1817.6	1858.8	1897.8	1964.2	1996.3	2049.0	2001.0	1943.6	1902.4	1861.1	1813.0
25°	1758.0	1792.4	1870.3	1895.5	1957.3	2001.0	1966.5	1909.3	1838.2	1778.6	1741.9
27.5°	1714.5	1753.4	1803.8	1872.5	1920.7	1945.9	1911.5	1888.6	1815.2	1744.2	1691.5
30°	1686.9	1728.2	1819.8	1877.2	1918.4	1939.0	1879.4	1852.0	1799.3	1739.7	1693.8
32.5°	1668.6	1705.2	1783.2	1856.5	1884.1	1884.1	1893.2	1861.1	1787.7	1686.9	1648.0
35°	1609.0	1659.4	1723.6	1808.4	1858.8	1888.6	1842.8	1806.1	1758.0	1654.8	1583.8
37.5°	1574.6	1609.0	1691.5	1771.7	1815.2	1847.3	1829.0	1764.8	1700.7	1615.9	1558.6
40°	1538.0	1592.9	1666.3	1741.9	1790.0	1822.1	1808.4	1732.8	1654.8	1574.6	1535.6
42.5°	1512.8	1549.4	1625.0	1709.8	1767.2	1829.0	1787.7	1693.8	1638.8	1528.7	1485.2
45°	1492.1	1551.7	1631.9	1666.3	1725.9	1790.0	1716.7	1659.4	1595.2	1515.0	1478.3
47.5°	1466.9	1521.9	1574.6	1666.3	1693.8	1723.6	1709.8	1618.1	1563.2	1476.0	1450.8
50°	1457.7	1478.3	1574.6	1625.0	1664.0	1693.8	1657.1	1588.4	1535.6	1446.3	1391.2
52.5°	1421.1	1460.0	1521.9	1588.4	1636.5	1673.2	1613.6	1570.0	1499.0	1405.0	1370.6
55°	1375.2	1398.1	1508.1	1576.9	1602.1	1627.3	1604.4	1533.3	1460.0	1363.8	1329.4
57.5°	1315.6	1368.3	1457.7	1553.9	1586.0	1599.8	1563.2	1505.9	1414.2	1329.4	1274.3
60°	1253.7	1308.7	1407.3	1485.2	1517.3	1567.7	1512.8	1478.3	1372.9	1279.0	1219.4
62.5°	1191.8	1253.7	1327.1	1425.6	1453.1	1473.8	1460.0	1411.9	1327.1	1221.6	1148.3
65°	1118.5	1164.3	1256.0	1306.4	1324.8	1372.9	1324.8	1306.4	1230.8	1129.9	1068.1
67.5°	1008.5	1047.4	1127.7	1175.8	1189.5	1210.2	1207.9	1187.3	1102.5	1033.7	978.7
70°	882.4	916.8	967.2	1024.6	1031.4	1056.6	1033.7	1029.1	974.1	880.1	850.3
72.5°	708.2	740.3	806.8	832.0	834.3	843.4	832.0	816.0	802.2	703.7	673.8
75°	543.2	561.6	593.6	616.5	616.5	628.0	621.2	605.1	568.4	506.5	476.8
77.5°	378.2	396.5	437.8	451.6	449.2	453.8	433.2	417.2	362.1	330.0	304.8
80°	275.1	286.5	307.1	316.3	318.6	325.5	300.3	286.5	254.4	217.8	206.2
82.5°	199.4	206.2	208.6	220.0	220.0	208.6	201.7	187.9	165.1	142.1	133.0
85°	82.5	84.8	87.1	100.9	103.1	123.8	114.6	107.7	94.0	80.3	73.4
87.5°	20.6	22.9	29.8	25.2	29.8	29.8	32.1	36.6	36.6	29.8	29.8
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°	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1
2.5°	6250.3	6268.6	6502.4	6532.2	6646.8	6763.7	6999.8	7169.4	7306.9	7396.3	7421.5
5°	5289.9	5406.8	5514.6	5688.7	5846.9	6071.5	6330.5	6651.4	7054.8	7261.1	7343.6
7.5°	4141.7	4279.2	4435.0	4604.7	4836.1	5239.5	5585.6	5956.9	6472.6	6685.8	7008.9
10°	3380.7	3534.3	3740.5	3871.2	4150.8	4535.8	4939.2	5367.9	5860.7	6167.8	6541.3
12.5°	2988.8	3114.9	3305.0	3580.1	3788.7	4038.5	4338.8	4879.7	5585.6	5876.7	6133.4
15°	2555.6	2695.4	2915.4	3220.2	3470.1	3768.0	4105.0	4694.0	5445.8	5895.1	6112.8
17.5°	2198.0	2298.9	2530.3	2794.0	3080.5	3405.9	3889.6	4684.8	5592.5	6167.8	6523.0
20°	1950.5	1964.2	2090.3	2314.9	2704.6	3128.6	3756.6	4639.0	6062.4	6637.6	7086.9
22.5°	1794.6	1780.9	1783.2	1973.4	2246.2	2855.8	3548.0	4794.9	6596.4	7384.9	7687.4
25°	1716.7	1680.0	1657.1	1698.4	1945.9	2532.7	3389.8	5001.2	7171.7	8001.4	8372.7
27.5°	1675.5	1611.3	1565.5	1572.3	1753.4	2369.9	3291.3	5090.5	7742.4	8860.9	8991.5
30°	1659.4	1579.2	1512.8	1489.8	1609.0	2143.0	3080.5	5244.1	8253.5	9333.0	9445.3
32.5°	1602.1	1503.5	1439.4	1418.7	1466.9	1943.6	2929.2	5354.2	8705.0	9846.5	9807.5
35°	1535.6	1453.1	1372.9	1333.9	1368.3	1815.2	2807.7	5301.4	9236.7	10245.2	10224.6
37.5°	1528.7	1421.1	1354.6	1290.4	1288.1	1657.1	2642.7	5351.8	9576.0	10960.4	10678.5
40°	1469.1	1400.4	1313.3	1260.6	1230.8	1576.9	2482.3	5232.6	10073.4	11249.1	10971.8
42.5°	1471.5	1368.3	1292.7	1230.8	1201.0	1460.0	2372.3	5200.5	10247.5	11719.0	11109.4
45°	1434.8	1333.9	1269.8	1196.4	1180.4	1370.6	2266.8	5051.6	10554.7	11741.9	10937.4
47.5°	1398.1	1308.7	1240.0	1152.9	1116.2	1338.5	2184.3	4927.8	10394.2	11526.5	10699.1
50°	1372.9	1269.8	1205.6	1143.7	1040.6	1283.5	2076.5	4898.0	10169.6	11235.4	10256.8
52.5°	1329.4	1237.7	1171.2	1123.1	958.1	1233.1	2035.3	5072.2	10444.7	11017.7	10128.3
55°	1288.1	1194.2	1109.4	1015.4	889.3	1100.2	1920.7	5234.9	10845.7	11519.6	10710.5
57.5°	1244.6	1155.2	1063.5	951.2	822.9	962.6	1801.5	5264.7	10094.0	10646.4	10167.3
60°	1187.3	1072.6	1003.9	857.2	751.8	797.6	1428.0	4641.3	7829.5	8890.7	8906.7
62.5°	1123.1	999.3	939.8	767.8	678.5	687.6	1164.3	3901.0	6351.1	7359.7	7797.4
65°	1038.3	919.1	848.1	710.5	625.7	595.9	852.6	2858.1	4824.7	5970.7	6468.0
67.5°	928.2	816.0	726.5	618.8	559.2	511.1	582.2	1609.0	2848.9	4008.7	4160.0
70°	811.3	715.1	621.2	531.7	465.3	430.9	426.3	712.8	1361.5	2156.8	2454.7
72.5°	639.5	570.7	495.1	428.6	385.1	334.7	304.8	295.7	460.7	877.8	1212.5
75°	458.4	401.1	357.5	314.0	281.9	254.4	231.5	210.9	192.5	220.0	302.6
77.5°	288.8	268.2	233.8	222.3	204.0	197.1	187.9	176.5	162.7	153.5	153.5
80°	194.8	181.0	169.6	167.3	160.4	158.2	160.4	149.0	135.2	123.8	128.3
82.5°	130.7	128.3	126.1	123.8	126.1	128.3	133.0	130.7	119.2	112.3	114.6
85°	77.9	82.5	87.1	91.7	100.9	89.4	73.4	61.9	55.0	50.4	48.2
87.5°	29.8	41.3	36.6	34.4	36.6	34.4	32.1	29.8	25.2	22.9	22.9
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°	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1
2.5°	7588.8	7634.6	7673.6	7664.5	7584.2	7476.6	7432.9	7210.6	7164.8	7135.0
5°	7692.0	7957.9	8015.1	7980.7	7772.2	7508.6	7251.9	6926.4	6736.2	6729.3
7.5°	7501.7	7829.5	7932.7	8010.6	7733.2	7274.9	6834.7	6346.5	6227.4	6236.5
10°	7018.1	7540.7	7795.1	7875.3	7556.7	7160.2	6550.6	6055.5	5801.1	5796.5
12.5°	6749.9	7160.2	7231.2	7343.6	7249.6	6848.5	6385.5	5830.8	5583.3	5578.7
15°	6511.6	6782.0	6802.7	6960.8	7011.2	6740.8	6429.1	5837.7	5638.3	5617.7
17.5°	6720.2	6532.2	6454.3	6474.9	6623.9	6722.4	6681.2	6227.4	6023.4	5908.8
20°	6859.9	6440.6	6204.5	6227.4	6403.8	6763.7	7057.1	6791.2	6468.0	6481.8
22.5°	7233.6	6454.3	6085.2	6060.0	6339.7	6979.1	7481.1	7504.0	7192.3	7116.7
25°	7792.8	6612.4	6048.6	6041.7	6309.9	7210.6	7976.2	8347.5	8028.9	7889.0
27.5°	8242.0	6859.9	6163.2	6186.1	6403.8	7398.6	8397.9	8890.7	8647.8	8475.8
30°	8636.3	7116.7	6323.7	6218.2	6656.0	7497.1	8578.9	9509.5	9314.7	9172.6
32.5°	8799.0	7481.1	6578.1	6403.8	6864.6	7616.3	8954.9	10110.0	9942.7	9592.1
35°	9074.0	7685.1	6715.6	6701.9	7229.0	7902.8	9131.3	10506.5	10437.8	10126.1
37.5°	9294.1	7891.4	7203.8	7052.5	7728.6	8384.1	9415.6	11054.3	10896.1	10749.5
40°	9463.7	8260.4	7659.9	7859.3	8342.9	8821.9	9676.9	11088.7	11544.8	11118.5
42.5°	9307.8	8590.4	8409.3	8886.1	9344.5	9321.6	9706.6	11354.6	11696.1	11473.8
45°	9268.8	9149.7	9594.3	10027.5	10133.0	9736.4	9493.5	11061.2	11650.3	11551.7
47.5°	9174.9	9699.7	10474.4	11180.4	11019.9	10013.8	9239.1	11008.5	11677.7	11501.3
50°	9142.8	9819.0	11125.4	11813.0	11716.7	10254.4	9119.9	10669.3	11482.9	11466.9
52.5°	9140.5	10064.2	11395.9	12156.8	12216.4	10634.9	9282.6	10841.2	11634.2	11769.4
55°	9243.6	9986.2	11361.5	11966.5	11943.6	10465.3	9300.9	10955.8	11819.9	11952.8
57.5°	8718.8	8945.7	9376.6	9855.6	9731.8	8668.4	8306.2	10128.3	10848.1	10751.8
60°	7529.2	6818.7	6332.8	6309.9	6069.2	5736.9	6798.1	9039.7	9039.7	8945.7
62.5°	6594.1	4476.3	3846.0	3667.2	3839.1	4221.9	6557.4	8792.2	8542.3	8434.6
65°	5766.7	3417.4	2780.2	2729.8	3027.7	3605.3	5929.4	7490.3	7050.2	6692.6
67.5°	3710.7	2502.9	2067.4	1978.0	2337.9	2647.2	3946.9	4606.9	4329.6	4189.8
70°	2392.8	1629.6	1150.6	1079.5	1219.4	1631.9	2521.2	2686.2	2282.8	2188.9
72.5°	1132.2	703.7	403.4	332.3	373.6	623.4	997.0	1072.6	891.6	816.0
75°	359.9	259.0	165.1	142.1	135.2	160.4	229.2	176.5	128.3	126.1
77.5°	160.4	153.5	130.7	110.0	96.2	80.3	66.5	55.0	57.3	59.6
80°	133.0	121.4	107.7	96.2	80.3	61.9	48.2	36.6	36.6	39.0
82.5°	116.9	105.5	94.0	80.3	68.7	50.4	36.6	25.2	22.9	22.9
85°	50.4	59.6	64.2	68.7	55.0	41.3	25.2	16.1	13.8	13.8
87.5°	20.6	18.3	16.1	13.8	11.4	11.4	9.2	6.9	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)