

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: P649541

Luminaire Tested: **GLAN-SA7D-835-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P649541
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: STREETWORKS
Catalog Number: GLAN-SA7D-835-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1200mA 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: 36366.4 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

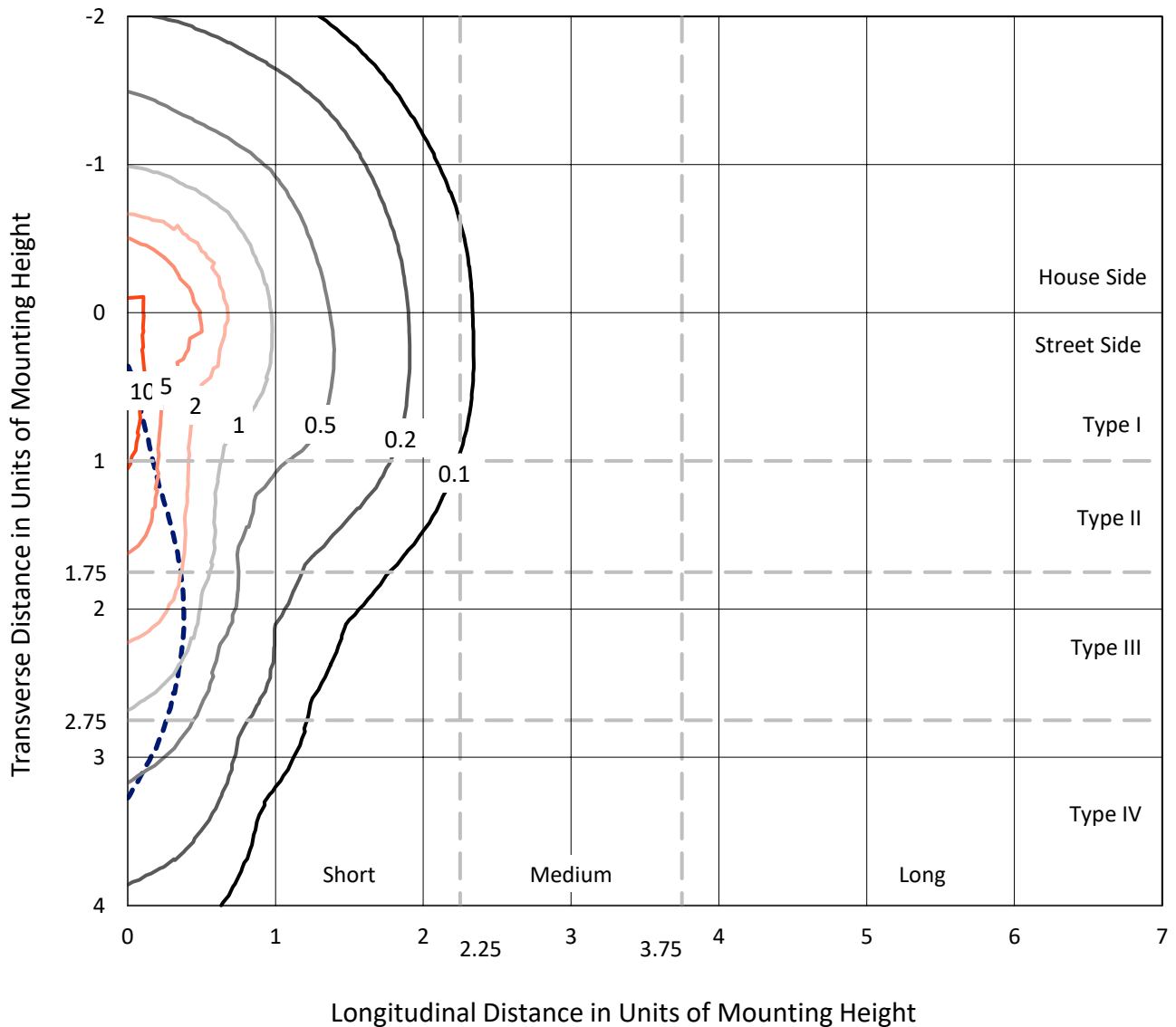
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

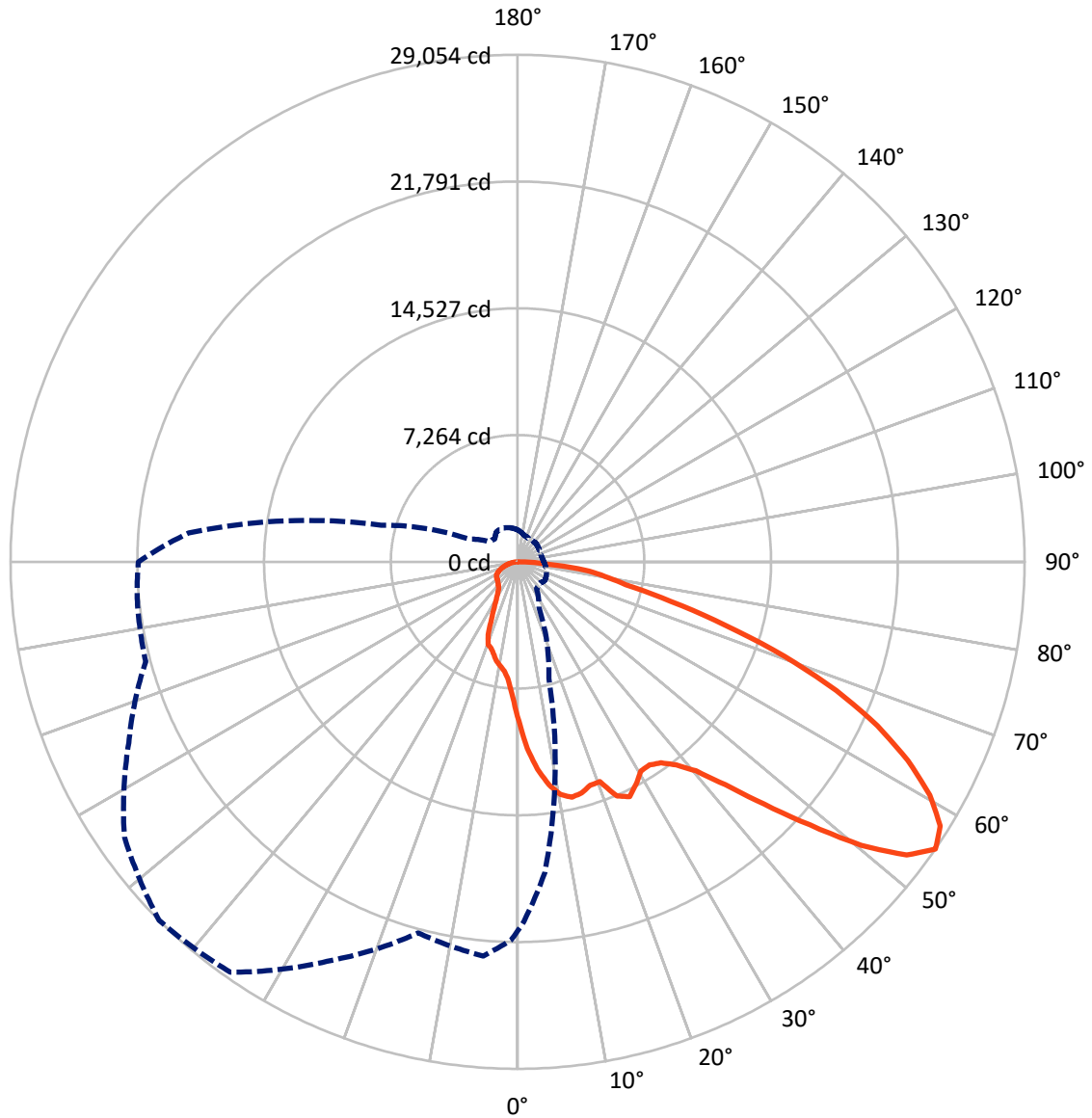
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 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	7955.0	0.0	7955.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	28411.4	0.0	28411.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	36366.4	0.0	36366.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	773.5	2.1
10°-20°	2052.1	5.6
20°-30°	3545.1	9.7
30°-40°	4120.0	11.3
40°-50°	5748.2	15.8
50°-60°	7799.7	21.4
60°-70°	7420.5	20.4
70°-80°	4008.8	11.0
80°-90°	898.4	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°	36366.4	100.0
0°-180°	36366.4	100.0

Coefficient of Utilization



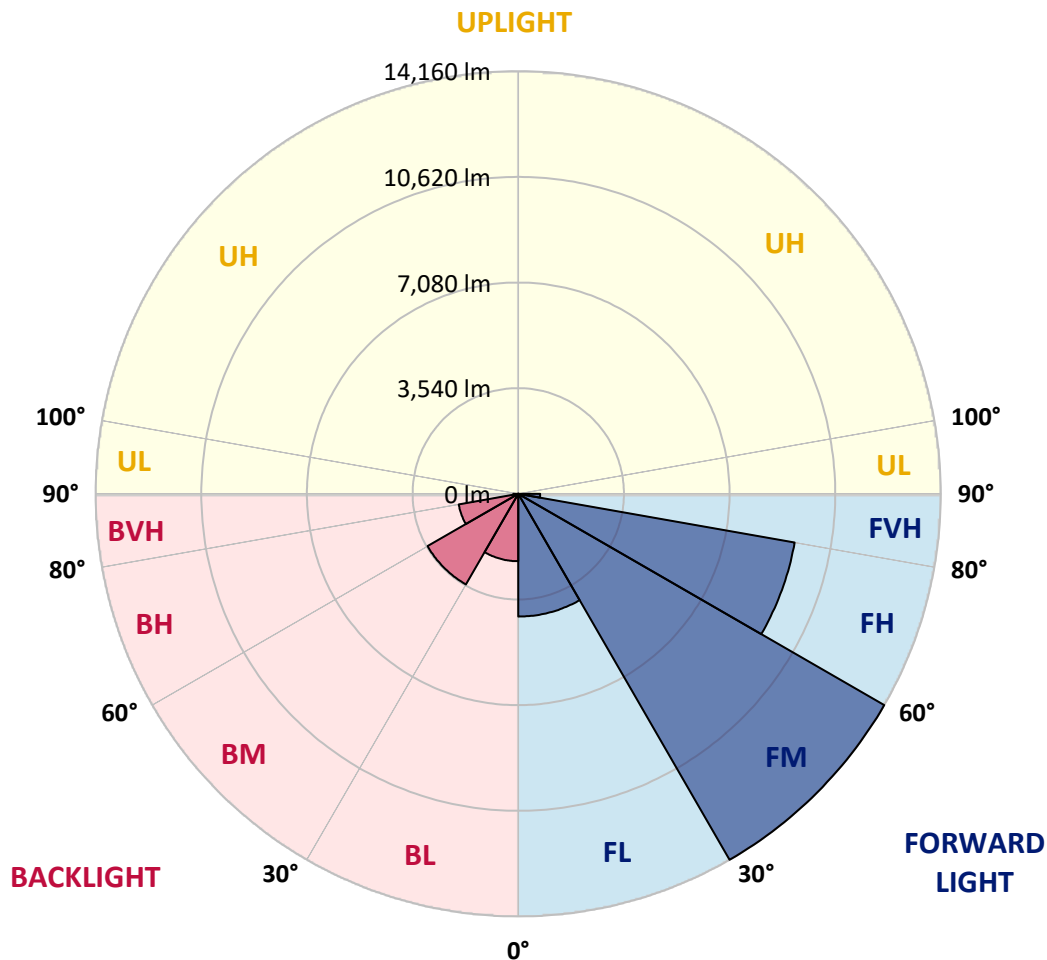
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4113.1	11.3			
FM (30°-60°)	14160.3	38.9			
FH (60°-80°)	9403.7	25.9			G4/12000
FVH (80°-90°)	734.2	2.0			G4/750
BL (0°-30°)	2257.6	6.2	B3/2500		
BM (30°-60°)	3507.6	9.6	B3/5000		
BH (60°-80°)	2025.5	5.6	B3/2500		G3/2500
BVH (80°-90°)	164.2	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6
2.5°	10139.0	10100.6	9992.6	9709.6	9424.0	9133.8	8910.6	8632.3	8342.0	8186.0	7986.9
5°	10278.2	10235.0	9980.7	9342.5	8764.3	8157.3	7672.6	7248.0	7075.3	6820.9	6617.0
7.5°	9951.9	9932.7	9551.2	8634.7	7843.0	7048.9	6499.4	6158.8	5849.2	5734.1	5758.1
10°	9654.4	9577.6	9100.2	7903.0	6979.3	6333.9	5940.4	5606.9	5388.6	5331.1	5343.0
12.5°	9407.3	9304.1	8740.3	7411.1	6602.6	6086.8	5585.4	5237.5	5038.3	5093.5	5280.6
15°	9356.8	9217.7	8589.1	7243.2	6396.2	5731.7	5182.3	4781.6	4632.9	4752.8	5052.7
17.5°	9683.2	9508.0	8848.2	7298.3	6199.6	5369.4	4695.3	4237.0	4112.2	4304.2	4695.3
20°	10731.6	10472.5	9656.7	7617.5	6180.4	5189.5	4412.1	3951.5	4004.3	4368.9	4776.8
22.5°	12670.2	12281.5	11072.3	8082.9	6281.1	5143.9	4354.6	4114.7	4404.9	4714.4	4983.2
25°	13054.0	12749.4	11326.6	8188.5	6259.5	5112.7	4517.7	4637.6	4961.6	5115.1	5021.5
27.5°	13270.0	12922.1	11309.8	7665.4	5597.4	4637.6	4318.6	4517.7	4599.3	4450.5	4196.2
30°	13773.8	13411.5	11595.4	7116.1	4608.9	3440.4	3015.8	2934.2	2989.4	3018.2	2927.0
32.5°	14467.2	14109.7	12132.7	6756.1	3985.1	2845.4	2428.0	2312.8	2286.4	2255.3	2219.3
35°	15364.5	14815.1	12660.6	6525.8	3728.3	2631.9	2248.1	2159.3	2123.3	2080.1	2041.8
37.5°	16276.1	15700.3	13327.5	6283.5	3558.0	2483.2	2128.1	2087.3	2024.9	1979.3	1924.1
40°	17245.4	16600.1	13934.6	6072.4	3392.5	2387.2	2041.8	2036.9	1955.4	1902.5	1837.8
42.5°	18085.2	17420.6	14476.7	5942.8	3265.3	2286.4	1988.9	2003.3	1919.4	1840.2	1756.2
45°	18752.1	18099.6	14978.2	5942.8	3162.1	2185.7	1979.3	1969.7	1885.8	1787.4	1691.4
47.5°	19337.5	18663.4	15467.6	6093.9	3097.4	2101.7	1926.6	1943.3	1857.0	1732.2	1638.7
50°	19791.0	19196.0	16127.5	6329.1	3032.6	2034.5	1859.4	1950.5	1833.0	1703.4	1595.4
52.5°	20369.2	19836.6	16921.6	6650.6	2977.4	1960.2	1799.4	1950.5	1830.6	1705.8	1588.2
55°	21170.5	20609.1	17878.9	6916.9	2888.6	1890.6	1746.6	1895.3	1823.4	1693.9	1569.1
57.5°	21731.9	21312.1	18555.4	7094.4	2761.5	1801.8	1698.6	1842.6	1792.2	1648.2	1511.5
58°	21758.3	21348.1	18653.8	7135.2	2730.3	1785.0	1686.7	1818.6	1777.8	1629.0	1492.3
60°	21456.1	21103.3	18673.0	7077.6	2552.7	1701.1	1624.3	1720.3	1701.1	1516.3	1389.1
62.5°	20357.2	19980.5	17898.0	6609.8	2317.6	1597.9	1528.3	1588.2	1545.1	1358.0	1240.4
65°	18795.4	18101.9	16305.0	5875.6	2149.6	1487.5	1398.8	1403.5	1358.0	1223.6	1120.4
67.5°	16715.2	15940.3	13805.0	4951.9	2022.5	1365.2	1245.2	1233.2	1178.0	1091.7	1007.6
70°	14155.3	13625.1	11218.7	4028.2	1881.0	1230.8	1072.5	1065.3	1031.7	966.8	892.5
72.5°	11473.0	10798.8	9059.4	3224.6	1708.2	1101.2	911.7	926.1	882.9	837.3	770.2
75°	8466.8	8025.4	7003.2	2586.3	1475.5	959.6	760.5	765.4	746.1	698.2	645.3
77.5°	5575.7	5443.8	5009.6	1698.6	1134.8	763.0	621.4	626.2	611.8	568.6	513.4
80°	3752.4	3663.6	3394.9	1094.0	758.2	551.8	479.8	484.7	482.2	436.7	362.3
82.5°	2312.8	2274.5	2188.1	738.9	525.4	395.9	316.7	331.1	357.5	307.1	247.1
85°	1091.7	1094.0	1321.9	403.1	309.5	254.3	172.7	184.7	184.7	184.7	139.1
87.5°	141.6	148.8	182.4	170.4	112.8	96.0	62.4	52.8	45.6	60.0	43.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6
2.5°	7917.4	7869.4	7766.2	7742.2	7727.8	7768.6	7660.6	7689.5	7641.5	7775.8	7754.2
5°	6629.0	6633.8	6717.7	6773.0	6792.1	6773.0	6701.0	6576.2	6480.3	6441.8	6451.5
7.5°	5712.5	5796.5	5940.4	6101.1	6247.5	6290.7	6249.9	6012.4	5753.2	5590.2	5537.4
10°	5407.8	5520.5	5686.1	5813.2	5942.8	6046.0	6067.5	5882.8	5575.7	5189.5	5038.3
12.5°	5424.6	5578.2	5736.5	5777.3	5765.3	5806.1	5786.8	5755.7	5554.1	5062.3	4810.4
15°	5266.2	5448.6	5558.9	5537.4	5498.9	5463.0	5412.6	5333.4	5261.4	4916.0	4637.6
17.5°	4901.6	5088.7	5179.9	5187.1	5187.1	5177.5	5055.1	5026.3	5016.8	4848.8	4678.4
20°	4968.8	5071.9	5031.1	4963.9	4983.2	5047.9	4976.0	4961.6	5016.8	5091.1	5059.9
22.5°	5007.1	4971.1	4664.0	4366.6	4299.4	4500.9	4541.7	4702.5	4925.5	5194.3	5369.4
25°	4769.6	4479.3	3929.9	3594.0	3404.5	3591.6	3836.3	4133.8	4467.3	4812.8	5016.8
27.5°	3987.5	3766.8	3373.2	3071.0	2905.4	2934.2	3143.0	3414.0	3723.6	3956.3	4105.0
30°	3003.8	2905.4	2701.5	2598.3	2497.5	2473.6	2562.4	2665.5	2802.3	2831.1	2869.5
32.5°	2212.1	2197.6	2209.6	2176.0	2156.9	2154.5	2128.1	2152.1	2166.5	2183.2	2149.6
35°	2001.0	1981.8	1948.2	1938.6	1926.6	1931.3	1919.4	1907.4	1916.9	1931.3	1941.0
37.5°	1893.0	1864.2	1816.2	1799.4	1799.4	1806.6	1787.4	1782.6	1799.4	1845.0	1868.9
40°	1809.0	1775.4	1720.3	1698.6	1713.0	1732.2	1705.8	1696.2	1737.0	1785.0	1823.4
42.5°	1729.8	1703.4	1650.6	1626.7	1638.7	1674.6	1636.2	1629.0	1681.8	1734.7	1780.2
45°	1662.6	1636.2	1588.2	1576.3	1581.0	1614.6	1588.2	1588.2	1638.7	1696.2	1737.0
47.5°	1609.8	1576.3	1545.1	1535.5	1540.3	1559.5	1554.6	1554.6	1602.6	1662.6	1703.4
50°	1557.1	1528.3	1487.5	1492.3	1504.3	1530.7	1528.3	1535.5	1583.5	1657.8	1701.1
52.5°	1533.1	1489.9	1444.3	1449.1	1485.1	1516.3	1506.7	1513.9	1569.1	1708.2	1770.6
55°	1506.7	1449.1	1396.3	1403.5	1444.3	1489.9	1477.9	1487.5	1552.3	1741.8	1828.2
57.5°	1456.3	1389.1	1331.6	1336.3	1396.3	1444.3	1425.1	1437.1	1513.9	1705.8	1797.0
58°	1434.7	1377.1	1321.9	1324.4	1381.9	1434.7	1413.2	1422.7	1501.9	1696.2	1782.6
60°	1343.5	1310.0	1262.0	1264.4	1319.6	1365.2	1353.2	1362.7	1439.5	1626.7	1691.4
62.5°	1218.8	1199.6	1187.6	1187.6	1221.2	1264.4	1276.4	1288.3	1358.0	1470.7	1528.3
65°	1084.5	1084.5	1086.8	1086.8	1108.4	1163.6	1170.8	1202.0	1266.8	1321.9	1365.2
67.5°	993.2	988.5	993.2	981.3	990.9	1024.5	1060.4	1089.2	1156.4	1194.8	1209.2
70°	875.7	873.3	875.7	859.0	870.9	899.7	923.7	971.7	1041.2	1070.0	1077.3
72.5°	760.5	760.5	765.4	753.3	753.3	784.6	801.3	854.1	918.9	935.7	938.1
75°	640.6	647.8	647.8	631.0	635.8	655.0	676.6	719.7	779.7	791.8	791.8
77.5°	508.6	535.0	535.0	518.2	525.4	527.8	556.6	578.2	623.8	628.6	609.4
80°	369.5	395.9	417.5	403.1	415.1	400.7	417.5	431.8	477.5	455.9	424.6
82.5°	263.9	283.1	299.9	302.3	290.3	263.9	285.5	287.9	309.5	280.7	263.9
85°	146.3	163.2	184.7	175.2	156.0	139.1	146.3	151.1	148.8	141.6	131.9
87.5°	38.4	40.8	45.6	33.6	31.2	26.4	36.0	36.0	40.8	43.2	40.8
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°	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6
2.5°	7771.0	7876.6	8104.5	8277.2	8488.3	8745.1	9047.4	9352.1	9680.8	9783.9	9927.9
5°	6429.8	6693.8	6804.1	7118.4	7430.4	7898.2	8397.2	8975.4	9608.8	9913.5	10206.2
7.5°	5494.2	5635.7	5750.9	5981.2	6355.5	6924.1	7550.3	8272.5	9169.7	9613.6	10043.1
10°	4990.4	5004.7	5146.3	5431.7	5758.1	6259.5	6852.1	7660.6	8661.1	9201.0	9704.7
12.5°	4656.8	4594.5	4748.0	5045.5	5415.0	5878.1	6422.6	7192.8	8294.0	8848.2	9457.6
15°	4364.1	4265.8	4381.0	4685.6	5050.4	5594.9	6180.4	6996.0	8150.1	8795.4	9472.0
17.5°	4371.3	4100.3	4141.1	4397.7	4760.0	5314.2	6024.4	6988.9	8368.4	9112.2	9913.5
20°	4911.1	4476.9	4292.2	4340.2	4690.4	5295.0	6096.4	7324.7	9085.8	10170.2	11026.8
22.5°	5441.4	5179.9	4882.4	4784.0	4976.0	5609.3	6554.6	8118.9	10645.3	12279.1	13826.6
25°	5256.7	5479.7	5405.4	5266.2	5309.4	5834.8	6866.5	8771.5	11856.8	13697.0	15151.0
27.5°	4205.8	4611.2	4692.8	4690.4	4707.2	5139.1	6175.5	8332.5	12008.0	13968.2	15357.3
30°	2955.8	2991.8	3035.0	3118.9	3195.7	3582.0	4832.0	7315.2	11940.8	14090.5	15482.0
32.5°	2132.9	2180.9	2240.9	2356.0	2538.3	3030.2	4227.4	6991.3	12295.9	14596.8	15846.7
35°	1950.5	2005.7	2063.3	2195.3	2368.0	2823.9	3987.5	6856.9	12878.9	15417.3	16501.7
37.5°	1893.0	1955.4	2005.7	2101.7	2240.9	2675.1	3769.1	6765.7	13476.3	16285.8	17379.8
40°	1852.2	1924.1	1964.9	2041.8	2137.7	2538.3	3574.8	6693.8	14054.5	17079.9	18085.2
42.5°	1816.2	1890.6	1943.3	1998.5	2077.7	2416.0	3402.1	6621.8	14556.0	17850.1	18788.2
45°	1773.0	1866.6	1933.8	1976.9	2046.5	2312.8	3270.1	6564.2	15126.9	18533.8	19498.3
47.5°	1737.0	1840.2	1924.1	1974.6	2001.0	2240.9	3164.6	6643.4	15813.2	19248.8	20158.1
50°	1739.4	1837.8	1943.3	2022.5	1953.0	2180.9	3099.7	6957.7	16705.6	20098.1	20678.7
52.5°	1816.2	1936.1	2020.1	2039.3	1885.8	2108.9	3066.1	7507.1	17761.3	20849.0	21204.1
55°	1902.5	2027.3	2118.5	2106.5	1849.8	2017.7	3058.9	8092.5	18917.7	21724.7	21887.9
57.5°	1871.4	2053.7	2192.9	2130.5	1852.2	1928.9	3027.8	8565.2	19884.6	22379.7	22564.5
58°	1861.8	2044.1	2202.5	2125.7	1845.0	1902.5	3020.6	8606.0	20018.9	22425.4	22660.4
60°	1768.2	1960.2	2195.3	2089.7	1804.2	1830.6	2941.4	8737.9	19982.9	22190.2	22718.0
62.5°	1597.9	1756.2	2029.7	1914.6	1679.5	1734.7	2763.9	8574.7	19008.9	21057.8	21875.9
65°	1406.0	1523.5	1705.8	1684.2	1501.9	1636.2	2521.6	7929.4	17058.3	19220.0	20081.3
67.5°	1262.0	1358.0	1473.1	1441.9	1350.8	1504.3	2260.1	6837.7	14870.3	17012.7	18097.2
70°	1115.6	1190.0	1247.6	1226.0	1197.2	1374.7	2027.3	5549.4	12773.3	14915.8	15966.7
72.5°	966.8	1036.5	1084.5	1053.2	1036.5	1238.0	1837.8	4306.6	10088.6	12305.5	13656.2
75°	808.5	878.1	911.7	875.7	866.1	1091.7	1557.1	3217.3	7569.5	9486.4	10652.5
77.5°	626.2	700.6	743.8	731.8	736.6	897.3	1257.2	2202.5	5412.6	6465.9	7694.2
80°	439.0	520.6	549.4	537.5	571.0	683.8	887.7	1398.8	3733.2	4196.2	5062.3
82.5°	271.1	347.9	352.7	364.6	388.7	506.2	669.4	851.7	2344.0	2423.2	3051.8
85°	136.8	165.5	177.5	196.8	218.3	309.5	381.5	527.8	1509.1	1142.0	1705.8
87.5°	45.6	48.0	57.6	72.0	88.8	127.2	163.2	216.0	374.3	206.3	527.8
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°	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6	9126.6
2.5°	10218.2	10422.1	10570.9	10707.6	10575.7	10563.7	10434.1	10225.4	10139.0	10139.0
5°	10820.4	11297.8	11684.1	11931.2	11825.6	11571.3	11151.5	10616.5	10328.6	10278.2
7.5°	10986.0	11928.8	12646.2	12900.5	12723.0	12161.6	11357.8	10455.7	10043.1	9951.9
10°	10885.2	12111.1	13164.4	13567.5	13320.3	12471.1	11374.6	10268.6	9759.9	9654.4
12.5°	10779.6	12135.2	13260.3	13843.4	13682.6	12720.5	11496.9	10146.2	9558.4	9407.3
15°	10856.4	12144.7	13142.8	13745.0	13848.2	13020.4	11698.5	10235.0	9517.6	9356.8
17.5°	11341.1	12327.1	12974.9	13461.9	13824.2	13428.3	12271.9	10659.6	9882.3	9683.2
20°	12353.5	12763.8	13070.9	13447.5	14030.5	14260.9	13445.1	11825.6	10906.8	10731.6
22.5°	15285.3	15210.9	14582.4	14575.2	15419.6	16343.3	16288.2	14196.0	12814.1	12670.2
25°	16384.1	16038.7	15129.4	14908.6	15280.5	16705.6	16499.3	14680.7	13404.3	13054.0
27.5°	15954.6	15098.2	14500.8	14450.3	14328.0	15673.9	16170.6	14877.5	13610.7	13270.0
30°	15928.3	14668.7	13814.6	13915.3	14032.9	15318.9	16353.0	15494.0	14138.5	13773.8
32.5°	15993.1	14728.7	13865.0	13884.2	14234.5	15371.7	16554.5	16165.8	14831.8	14467.2
35°	16254.6	15069.4	14186.5	14140.9	14687.9	15717.2	16897.5	17221.5	15779.6	15364.5
37.5°	16676.8	15748.3	14774.3	14762.3	15556.4	16341.0	17324.7	18286.7	16722.5	16276.1
40°	17298.2	16542.4	15820.4	15755.5	16736.8	17355.8	17878.9	19421.5	17818.9	17245.4
42.5°	18049.2	17495.0	17199.8	17456.6	18399.5	18495.4	18742.5	20470.0	18752.1	18085.2
45°	18744.9	18718.6	19128.8	19810.2	20359.6	19783.8	19644.6	21172.9	19476.7	18752.1
47.5°	19572.7	20287.6	21252.6	22523.7	23099.5	21283.3	20414.8	21631.2	20004.6	19337.5
50°	20412.4	22166.2	24143.2	25534.6	25657.0	22912.4	20945.0	22063.1	20484.4	19791.0
52.5°	21295.3	23665.7	26297.6	27914.7	27677.2	24330.3	21458.4	22355.7	20978.6	20369.2
55°	22063.1	24584.6	27502.0	29054.3	28706.4	25194.0	22012.6	22672.5	21683.9	21170.5
57.5°	22492.5	24661.4	27202.1	28557.7	28181.0	25026.0	22267.0	22907.5	22135.0	21731.9
58°	22554.9	24558.2	26935.8	28269.7	27885.9	24884.5	22264.6	22898.0	22163.8	21758.3
60°	22499.7	23888.9	25944.9	27132.5	26729.5	23996.8	22173.4	22718.0	21799.1	21456.1
62.5°	21988.7	22727.6	24234.3	25098.0	24982.9	22610.1	21799.1	22039.0	20688.3	20357.2
65°	21316.9	21144.1	22043.9	22655.6	22742.0	21571.2	21427.3	20570.7	19263.2	18795.4
67.5°	20501.1	19349.6	19347.1	19695.0	19838.9	19973.3	20652.3	18975.3	17209.5	16715.2
70°	19116.8	16583.2	15820.4	16230.6	16110.6	17245.4	19268.0	16734.4	14733.5	14155.3
72.5°	16578.5	13159.6	11938.4	12466.2	12163.9	13524.3	16859.2	13771.4	12183.2	11473.0
75°	13437.9	9844.0	8584.3	9068.9	8881.8	10258.9	14028.1	10002.3	8737.9	8466.8
77.5°	10434.1	7132.8	6401.0	6333.9	6473.1	7634.2	10290.2	6753.8	5760.5	5575.7
80°	6703.3	5105.5	5148.7	5062.3	5134.3	4812.8	6247.5	4308.9	3901.1	3752.4
82.5°	4412.1	3558.0	4241.7	3915.5	3718.8	3236.5	4097.8	2821.5	2394.4	2312.8
85°	3006.2	2619.9	2384.8	1823.4	2147.3	2492.8	3073.4	1518.7	1204.4	1091.7
87.5°	1358.0	911.7	669.4	412.6	652.6	753.3	1492.3	177.5	136.8	141.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)