

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: P649266

Luminaire Tested: **GLAN-SA2D-835-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P649266
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-SA2D-835-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 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: 10500 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 125
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

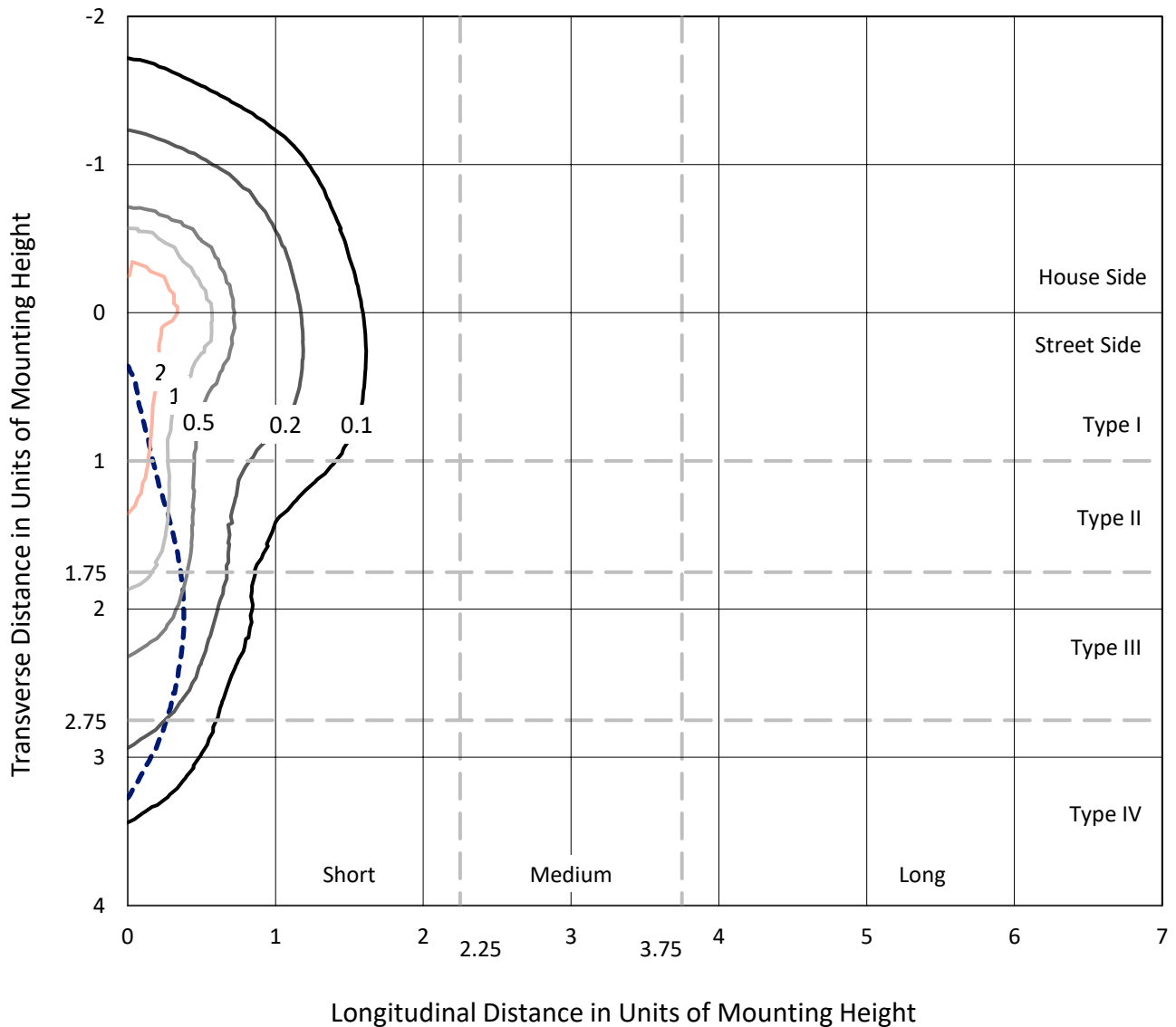




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Iso-Footcandle Lines of Horizontal Illumination

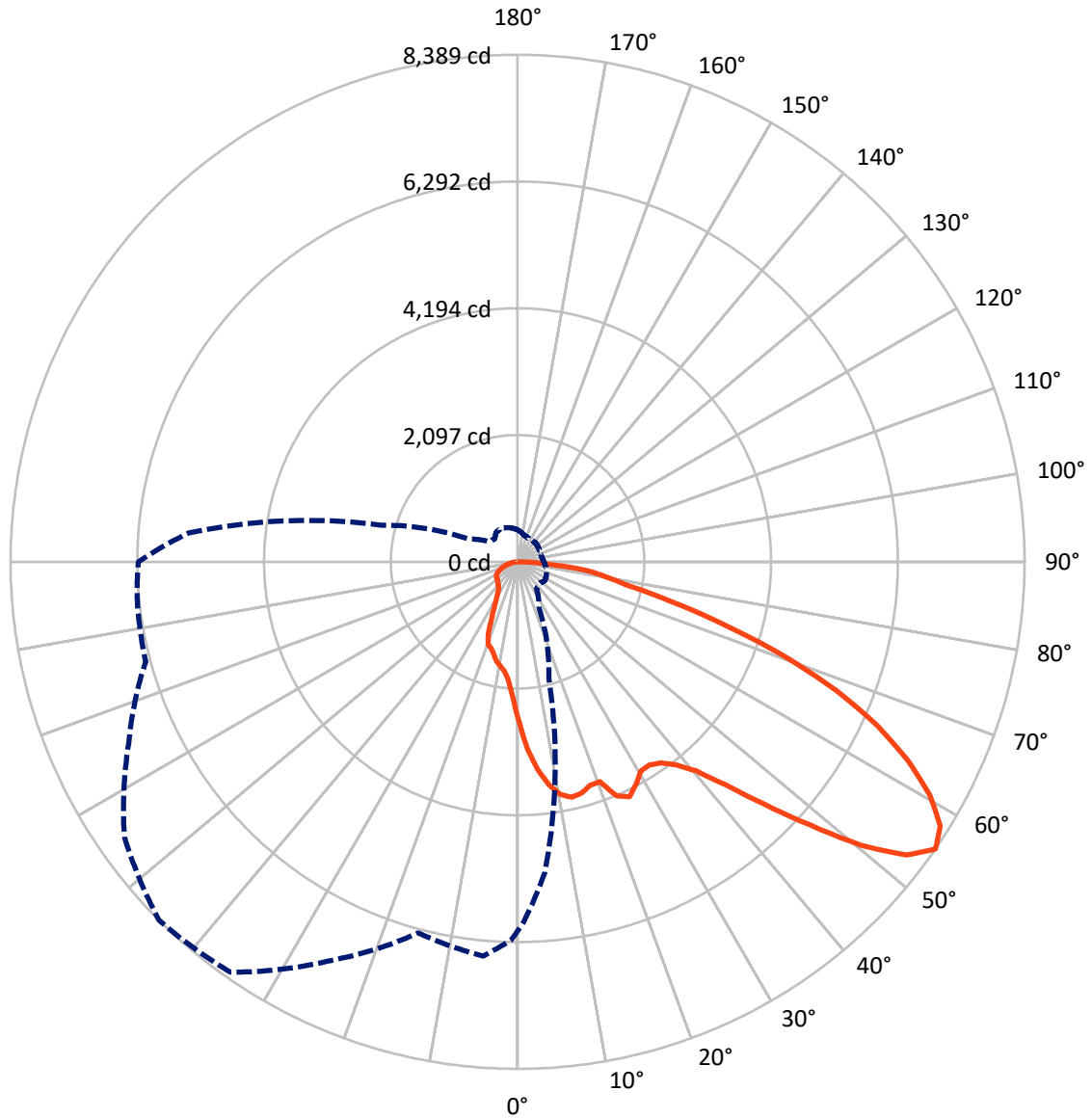
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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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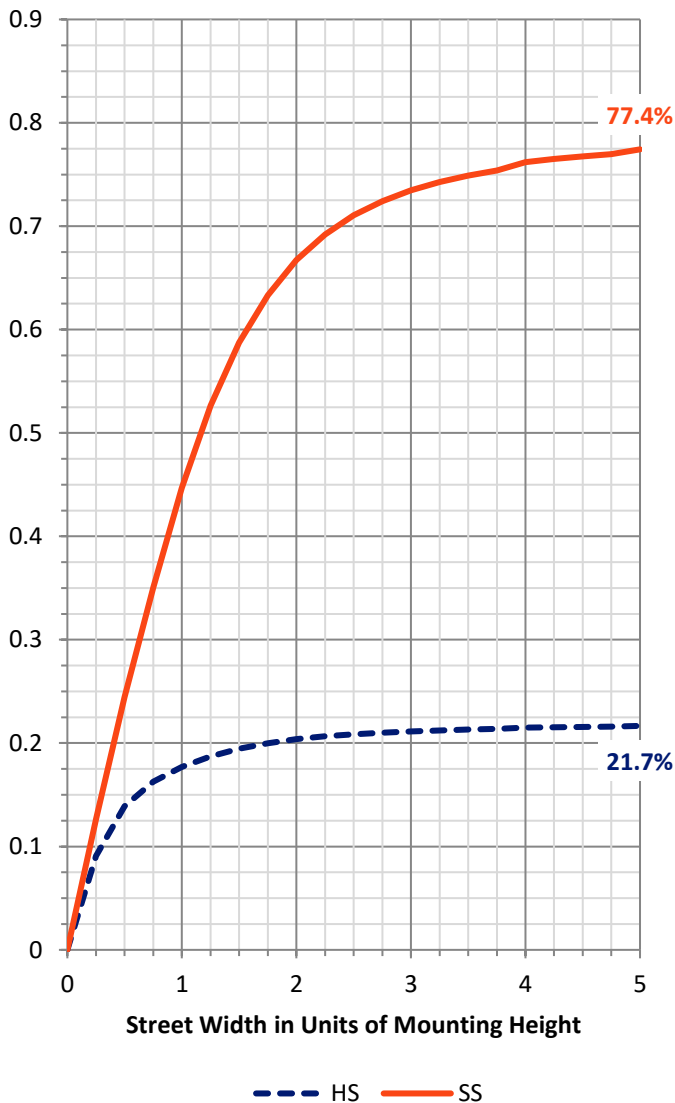
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2296.8	0.0	2296.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	8203.2	0.0	8203.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	10500.0	0.0	10500.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	2.1
10°-20°	592.5	5.6
20°-30°	1023.6	9.7
30°-40°	1189.6	11.3
40°-50°	1659.7	15.8
50°-60°	2252.0	21.4
60°-70°	2142.5	20.4
70°-80°	1157.4	11.0
80°-90°	259.4	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°	10500.0	100.0
0°-180°	10500.0	100.0

Coefficient of Utilization

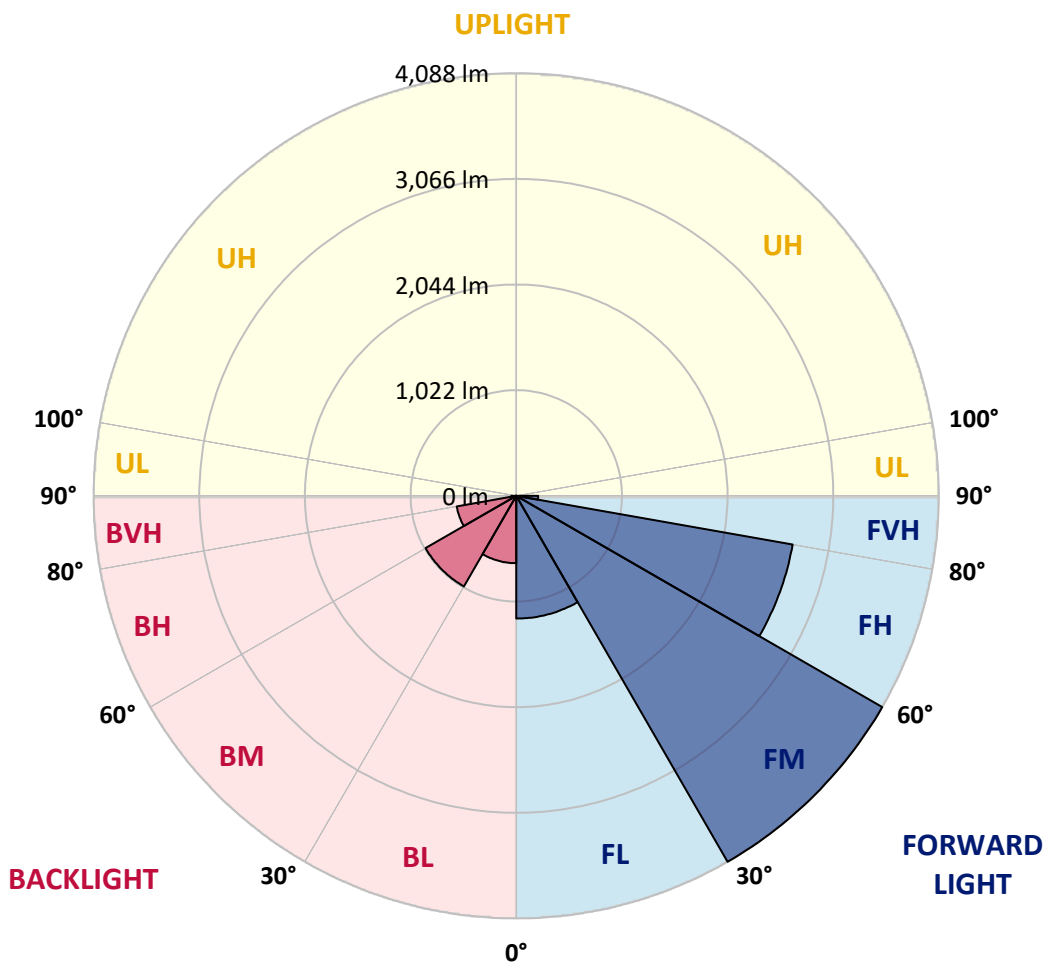


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1187.6	11.3			
FM (30°-60°)	4088.5	38.9			
FH (60°-80°)	2715.1	25.9			G2/5000
FVH (80°-90°)	212.0	2.0			G2/225
BL (0°-30°)	651.8	6.2	B2/1000		
BM (30°-60°)	1012.8	9.6	B2/2500		
BH (60°-80°)	584.8	5.6	B2/1000		G2/1000
BVH (80°-90°)	47.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1
2.5°	2927.4	2916.4	2885.2	2803.5	2721.0	2637.1	2572.8	2492.4	2408.6	2363.6	2306.1
5°	2967.6	2955.1	2881.7	2697.4	2530.5	2355.3	2215.3	2092.7	2042.8	1969.4	1910.5
7.5°	2873.4	2867.8	2757.7	2493.1	2264.5	2035.2	1876.5	1778.2	1688.9	1655.6	1662.5
10°	2787.5	2765.3	2627.5	2281.8	2015.1	1828.8	1715.2	1618.9	1555.8	1539.2	1542.7
12.5°	2716.1	2686.4	2523.6	2139.8	1906.4	1757.4	1612.7	1512.2	1454.7	1470.6	1524.7
15°	2701.6	2661.4	2479.9	2091.3	1846.8	1654.9	1496.2	1380.6	1337.6	1372.3	1458.9
17.5°	2795.8	2745.3	2554.8	2107.2	1790.0	1550.3	1355.7	1223.4	1187.3	1242.7	1355.7
20°	3098.5	3023.7	2788.2	2199.4	1784.5	1498.3	1273.9	1140.9	1156.2	1261.4	1379.2
22.5°	3658.3	3546.1	3196.9	2333.7	1813.5	1485.2	1257.3	1188.0	1271.8	1361.2	1438.8
25°	3769.0	3681.1	3270.4	2364.3	1807.3	1476.2	1304.4	1339.0	1432.6	1476.9	1449.9
27.5°	3831.5	3731.0	3265.5	2213.2	1616.1	1339.0	1246.9	1304.4	1328.0	1285.0	1211.5
30°	3976.9	3872.3	3347.9	2054.6	1330.7	993.4	870.8	847.2	863.1	871.4	845.1
32.5°	4177.1	4073.9	3503.1	1950.7	1150.6	821.6	701.0	667.7	660.1	651.1	640.7
35°	4436.2	4277.5	3655.4	1884.2	1076.5	759.9	649.1	623.4	613.1	600.6	589.5
37.5°	4699.4	4533.2	3848.1	1814.2	1027.3	717.0	614.4	602.7	584.7	571.5	555.5
40°	4979.3	4792.9	4023.3	1753.3	979.5	689.3	589.5	588.1	564.5	549.4	530.6
42.5°	5221.7	5029.8	4179.9	1715.9	942.8	660.1	574.3	578.4	554.2	531.3	507.1
45°	5414.3	5225.9	4324.7	1715.9	913.0	631.1	571.5	568.7	544.5	516.1	488.4
47.5°	5583.3	5388.7	4465.9	1759.5	894.3	606.8	556.2	561.1	536.2	500.2	473.1
50°	5714.3	5542.5	4656.4	1827.4	875.6	587.4	536.8	563.2	529.2	491.8	460.6
52.5°	5881.2	5727.4	4885.8	1920.2	859.7	566.0	519.5	563.2	528.5	492.5	458.6
55°	6112.6	5950.4	5162.2	1997.1	834.1	545.8	504.3	547.2	526.5	489.1	453.0
57.5°	6274.6	6153.4	5357.4	2048.3	797.3	520.2	490.5	532.0	517.5	475.9	436.4
58°	6282.2	6163.8	5385.9	2060.2	788.3	515.4	486.9	525.1	513.3	470.3	430.9
60°	6194.9	6093.1	5391.4	2043.6	737.0	491.1	468.9	496.7	491.1	437.8	401.1
62.5°	5877.7	5769.0	5167.6	1908.4	669.2	461.3	441.3	458.6	446.1	392.0	358.1
65°	5426.7	5226.5	4707.7	1696.4	620.7	429.5	403.9	405.2	392.0	353.3	323.5
67.5°	4826.2	4602.4	3985.9	1429.8	584.0	394.2	359.6	356.0	340.1	315.2	291.0
70°	4087.0	3933.9	3239.1	1163.1	543.1	355.3	309.7	307.6	297.9	279.1	257.7
72.5°	3312.6	3117.9	2615.7	931.0	493.2	318.0	263.2	267.4	254.9	241.8	222.4
75°	2444.6	2317.1	2022.0	746.7	426.0	277.1	219.6	221.0	215.4	201.5	186.4
77.5°	1609.8	1571.8	1446.4	490.5	327.7	220.3	179.4	180.8	176.6	164.2	148.2
80°	1083.4	1057.8	980.2	315.9	218.9	159.3	138.5	139.9	139.2	126.1	104.6
82.5°	667.7	656.7	631.7	213.4	151.7	114.3	91.5	95.6	103.2	88.6	71.3
85°	315.2	315.9	381.7	116.4	89.3	73.4	49.9	53.3	53.3	53.3	40.2
87.5°	40.9	43.0	52.6	49.2	32.6	27.7	18.0	15.3	13.2	17.3	12.4
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°	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1
2.5°	2286.0	2272.1	2242.4	2235.4	2231.2	2243.0	2211.8	2220.2	2206.3	2245.1	2238.8
5°	1914.0	1915.4	1939.6	1955.5	1961.1	1955.5	1934.8	1898.8	1871.1	1859.9	1862.7
7.5°	1649.4	1673.6	1715.2	1761.6	1803.9	1816.3	1804.5	1735.9	1661.1	1614.0	1598.8
10°	1561.4	1594.0	1641.7	1678.4	1715.9	1745.6	1751.9	1698.6	1609.8	1498.3	1454.7
12.5°	1566.2	1610.6	1656.3	1668.0	1664.6	1676.4	1670.8	1661.8	1603.7	1461.6	1388.9
15°	1520.5	1573.1	1605.0	1598.8	1587.7	1577.4	1562.8	1539.9	1519.1	1419.3	1339.0
17.5°	1415.2	1469.2	1495.6	1497.6	1497.6	1494.9	1459.6	1451.2	1448.5	1400.0	1350.8
20°	1434.6	1464.4	1452.6	1433.2	1438.8	1457.5	1436.7	1432.6	1448.5	1469.9	1460.9
22.5°	1445.7	1435.3	1346.7	1260.7	1241.4	1299.5	1311.3	1357.7	1422.2	1499.8	1550.3
25°	1377.1	1293.3	1134.6	1037.7	983.0	1037.0	1107.6	1193.5	1289.8	1389.6	1448.5
27.5°	1151.3	1087.6	974.0	886.7	838.9	847.2	907.5	985.7	1075.1	1142.3	1185.2
30°	867.3	838.9	780.0	750.2	721.1	714.2	739.9	769.6	809.1	817.4	828.5
32.5°	638.7	634.5	638.0	628.3	622.7	622.1	614.4	621.4	625.5	630.4	620.7
35°	577.7	572.2	562.5	559.7	556.2	557.7	554.2	550.7	553.5	557.7	560.4
37.5°	546.5	538.2	524.4	519.5	519.5	521.6	516.1	514.7	519.5	532.7	539.6
40°	522.3	512.6	496.7	490.5	494.6	500.2	492.5	489.8	501.5	515.4	526.5
42.5°	499.5	491.8	476.6	469.6	473.1	483.5	472.5	470.3	485.6	500.8	514.0
45°	480.1	472.5	458.6	455.1	456.5	466.2	458.6	458.6	473.1	489.8	501.5
47.5°	464.8	455.1	446.1	443.3	444.7	450.3	448.9	448.9	462.8	480.1	491.8
50°	449.6	441.3	429.5	430.9	434.3	441.9	441.3	443.3	457.2	478.6	491.1
52.5°	442.6	430.2	417.0	418.4	428.8	437.8	435.0	437.1	453.0	493.2	511.2
55°	435.0	418.4	403.2	405.2	417.0	430.2	426.7	429.5	448.2	502.9	527.8
57.5°	420.5	401.1	384.5	385.9	403.2	417.0	411.5	414.9	437.1	492.5	518.8
58°	414.2	397.6	381.7	382.4	399.0	414.2	408.0	410.8	433.6	489.8	514.7
60°	387.9	378.2	364.4	365.0	381.0	394.2	390.7	393.5	415.6	469.6	488.4
62.5°	351.9	346.3	342.9	342.9	352.6	365.0	368.6	372.0	392.0	424.6	441.3
65°	313.1	313.1	313.8	313.8	320.0	336.0	338.0	347.0	365.7	381.7	394.2
67.5°	286.8	285.4	286.8	283.3	286.1	295.8	306.2	314.5	333.9	345.0	349.1
70°	252.8	252.1	252.8	248.0	251.4	259.8	266.7	280.5	300.7	309.0	311.0
72.5°	219.6	219.6	221.0	217.5	217.5	226.5	231.4	246.6	265.3	270.1	270.8
75°	184.9	187.1	187.1	182.2	183.5	189.1	195.4	207.8	225.1	228.6	228.6
77.5°	146.9	154.5	154.5	149.6	151.7	152.4	160.7	166.9	180.1	181.5	175.9
80°	106.6	114.3	120.5	116.4	119.9	115.6	120.5	124.7	137.9	131.6	122.6
82.5°	76.2	81.7	86.6	87.3	83.8	76.2	82.4	83.2	89.3	81.0	76.2
85°	42.3	47.1	53.3	50.6	45.0	40.2	42.3	43.6	43.0	40.9	38.1
87.5°	11.1	11.7	13.2	9.7	9.0	7.6	10.4	10.4	11.7	12.4	11.7
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°	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1
2.5°	2243.7	2274.2	2340.0	2389.9	2450.9	2524.9	2612.2	2700.2	2795.2	2824.9	2866.5
5°	1856.5	1932.7	1964.5	2055.3	2145.3	2280.4	2424.5	2591.5	2774.3	2862.3	2946.8
7.5°	1586.4	1627.2	1660.4	1726.9	1835.0	1999.2	2180.0	2388.5	2647.6	2775.7	2899.7
10°	1440.9	1445.0	1485.9	1568.3	1662.5	1807.3	1978.4	2211.8	2500.7	2656.6	2802.0
12.5°	1344.6	1326.6	1370.9	1456.8	1563.5	1697.2	1854.4	2076.8	2394.7	2554.8	2730.7
15°	1260.1	1231.7	1264.9	1352.9	1458.2	1615.4	1784.5	2020.0	2353.1	2539.5	2734.9
17.5°	1262.1	1183.8	1195.6	1269.7	1374.3	1534.4	1739.4	2017.9	2416.2	2631.0	2862.3
20°	1418.0	1292.6	1239.3	1253.1	1354.3	1528.8	1760.2	2114.9	2623.3	2936.4	3183.8
22.5°	1571.1	1495.6	1409.7	1381.3	1436.7	1619.6	1892.5	2344.1	3073.6	3545.3	3992.1
25°	1517.8	1582.1	1560.7	1520.5	1533.0	1684.7	1982.6	2532.6	3423.4	3954.7	4374.5
27.5°	1214.4	1331.4	1355.0	1354.3	1359.1	1483.8	1783.0	2405.8	3467.0	4033.0	4434.1
30°	853.4	863.8	876.3	900.5	922.7	1034.3	1395.1	2112.1	3447.6	4068.3	4470.1
32.5°	615.8	629.7	647.0	680.3	732.9	874.9	1220.5	2018.6	3550.2	4214.5	4575.4
35°	563.2	579.1	595.7	633.8	683.7	815.3	1151.3	1979.8	3718.5	4451.4	4764.5
37.5°	546.5	564.5	579.1	606.8	647.0	772.4	1088.3	1953.4	3891.0	4702.1	5018.0
40°	534.8	555.5	567.4	589.5	617.2	732.9	1032.2	1932.7	4058.0	4931.5	5221.7
42.5°	524.4	545.8	561.1	577.1	599.9	697.6	982.3	1911.9	4202.8	5153.8	5424.7
45°	511.9	538.9	558.4	570.8	590.9	667.7	944.1	1895.3	4367.6	5351.3	5629.7
47.5°	501.5	531.3	555.5	570.1	577.7	647.0	913.7	1918.1	4565.7	5557.7	5820.2
50°	502.2	530.6	561.1	584.0	563.8	629.7	895.0	2008.9	4823.4	5802.9	5970.5
52.5°	524.4	559.1	583.3	588.8	544.5	608.9	885.3	2167.5	5128.2	6019.7	6122.2
55°	549.4	585.4	611.7	608.2	534.1	582.6	883.2	2336.6	5462.1	6272.5	6319.7
57.5°	540.3	593.0	633.1	615.1	534.8	556.9	874.2	2473.0	5741.3	6461.7	6515.0
58°	537.5	590.2	636.0	613.7	532.7	549.4	872.1	2484.8	5780.0	6474.9	6542.7
60°	510.5	566.0	633.8	603.4	520.9	528.5	849.2	2522.9	5769.6	6407.0	6559.3
62.5°	461.3	507.1	586.1	552.8	484.9	500.8	798.0	2475.8	5488.4	6080.0	6316.2
65°	405.9	439.9	492.5	486.3	433.6	472.5	728.0	2289.4	4925.2	5549.4	5798.0
67.5°	364.4	392.0	425.3	416.3	390.0	434.3	652.6	1974.3	4293.5	4912.1	5225.2
70°	322.1	343.6	360.2	354.0	345.7	396.9	585.4	1602.3	3688.0	4306.7	4610.1
72.5°	279.1	299.3	313.1	304.1	299.3	357.4	530.6	1243.4	2912.8	3552.9	3943.0
75°	233.4	253.5	263.2	252.8	250.1	315.2	449.6	929.0	2185.5	2739.0	3075.7
77.5°	180.8	202.2	214.8	211.3	212.7	259.1	363.0	636.0	1562.8	1866.9	2221.5
80°	126.8	150.3	158.6	155.2	164.9	197.4	256.3	403.9	1077.9	1211.5	1461.6
82.5°	78.3	100.5	101.9	105.3	112.2	146.2	193.2	245.9	676.7	699.6	881.1
85°	39.5	47.8	51.3	56.8	63.0	89.3	110.2	152.4	435.7	329.7	492.5
87.5°	13.2	13.9	16.6	20.7	25.6	36.7	47.1	62.3	108.1	59.6	152.4
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°	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1
2.5°	2950.3	3009.1	3052.1	3091.6	3053.5	3050.0	3012.6	2952.4	2927.4	2927.4
5°	3124.2	3262.0	3373.6	3444.9	3414.4	3341.0	3219.8	3065.3	2982.1	2967.6
7.5°	3171.9	3444.2	3651.3	3724.7	3673.4	3511.4	3279.4	3018.9	2899.7	2873.4
10°	3142.9	3496.8	3800.9	3917.3	3845.9	3600.8	3284.1	2964.8	2817.9	2787.5
12.5°	3112.3	3503.8	3828.6	3997.0	3950.5	3672.8	3319.5	2929.5	2759.8	2716.1
15°	3134.6	3506.5	3794.7	3968.6	3998.4	3759.3	3377.7	2955.1	2748.0	2701.6
17.5°	3274.5	3559.2	3746.2	3886.8	3991.4	3877.1	3543.2	3077.7	2853.3	2795.8
20°	3566.8	3685.3	3773.9	3882.7	4051.0	4117.5	3882.0	3414.4	3149.1	3098.5
22.5°	4413.3	4391.8	4210.3	4208.2	4452.1	4718.8	4702.9	4098.8	3699.8	3658.3
25°	4730.6	4630.8	4368.3	4304.5	4411.9	4823.4	4763.9	4238.8	3870.2	3769.0
27.5°	4606.5	4359.3	4186.8	4172.2	4136.9	4525.5	4669.0	4295.5	3929.8	3831.5
30°	4599.0	4235.2	3988.7	4017.7	4051.7	4423.0	4721.6	4473.6	4082.2	3976.9
32.5°	4617.7	4252.6	4003.2	4008.7	4109.9	4438.3	4779.7	4667.5	4282.4	4177.1
35°	4693.1	4351.0	4096.0	4082.9	4240.8	4538.0	4878.8	4972.4	4556.0	4436.2
37.5°	4815.1	4547.0	4265.8	4262.3	4491.6	4718.1	5002.1	5279.9	4828.2	4699.4
40°	4994.5	4776.3	4567.8	4549.1	4832.4	5011.1	5162.2	5607.5	5144.8	4979.3
42.5°	5211.3	5051.3	4966.1	5040.2	5312.4	5340.1	5411.5	5910.2	5414.3	5221.7
45°	5412.2	5404.6	5523.0	5719.7	5878.4	5712.1	5672.0	6113.2	5623.5	5414.3
47.5°	5651.2	5857.6	6215.1	6503.2	6669.5	6145.1	5894.3	6245.5	5775.9	5583.3
50°	5893.6	6400.0	6970.8	7372.6	7407.9	6615.5	6047.4	6370.3	5914.4	5714.3
52.5°	6148.6	6832.9	7592.9	8059.7	7991.2	7024.8	6195.6	6454.7	6057.1	5881.2
55°	6370.3	7098.3	7940.6	8388.8	8288.4	7274.2	6355.7	6546.2	6260.8	6112.6
57.5°	6494.2	7120.4	7854.0	8245.4	8136.6	7225.8	6429.1	6614.1	6391.0	6274.6
58°	6512.2	7090.7	7777.1	8162.3	8051.4	7184.9	6428.4	6611.3	6399.3	6282.2
60°	6496.3	6897.4	7491.0	7833.9	7717.6	6928.5	6402.1	6559.3	6294.1	6194.9
62.5°	6348.7	6562.1	6997.1	7246.5	7213.2	6528.2	6294.1	6363.3	5973.3	5877.7
65°	6154.8	6104.9	6364.7	6541.3	6566.2	6228.2	6186.6	5939.4	5561.8	5426.7
67.5°	5919.2	5586.8	5586.1	5686.5	5728.1	5766.9	5962.9	5478.7	4968.8	4826.2
70°	5519.6	4788.0	4567.8	4686.3	4651.6	4979.3	5563.2	4831.7	4254.0	4087.0
72.5°	4786.7	3799.6	3447.0	3599.4	3512.1	3904.8	4867.8	3976.2	3517.6	3312.6
75°	3879.9	2842.2	2478.5	2618.5	2564.4	2962.1	4050.3	2887.9	2522.9	2444.6
77.5°	3012.6	2059.4	1848.2	1828.8	1868.9	2204.2	2971.1	1950.0	1663.2	1609.8
80°	1935.4	1474.1	1486.6	1461.6	1482.5	1389.6	1803.9	1244.1	1126.3	1083.4
82.5°	1273.9	1027.3	1224.7	1130.5	1073.7	934.5	1183.2	814.6	691.3	667.7
85°	868.0	756.5	688.6	526.5	620.0	719.7	887.4	438.5	347.7	315.2
87.5°	392.0	263.2	193.2	119.2	188.4	217.5	430.9	51.3	39.5	40.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)