

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: P653391

Luminaire Tested: **GLAN-SA5D-840-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P653391
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-SA5D-840-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 4000K, 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: 28084.4 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

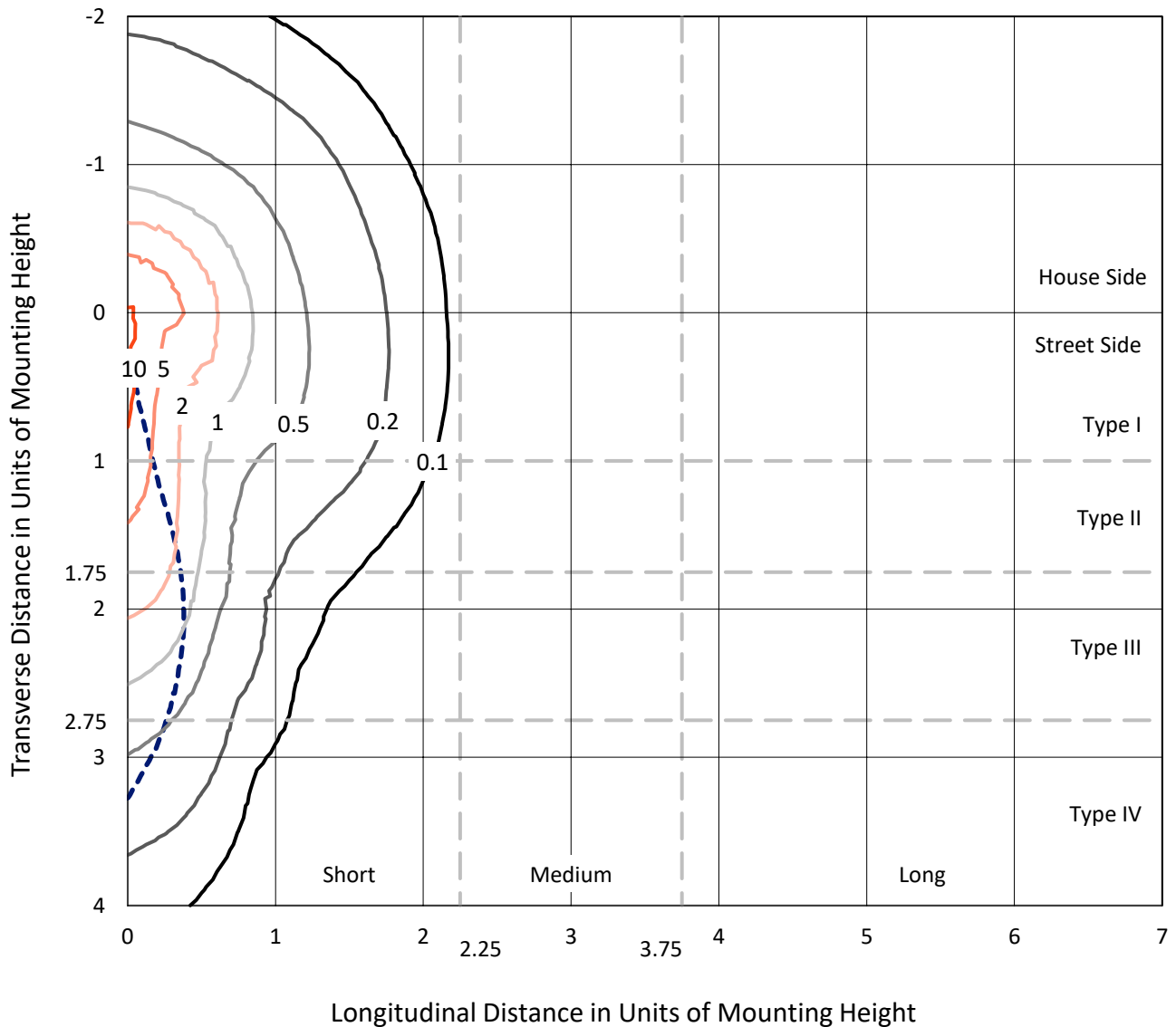
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

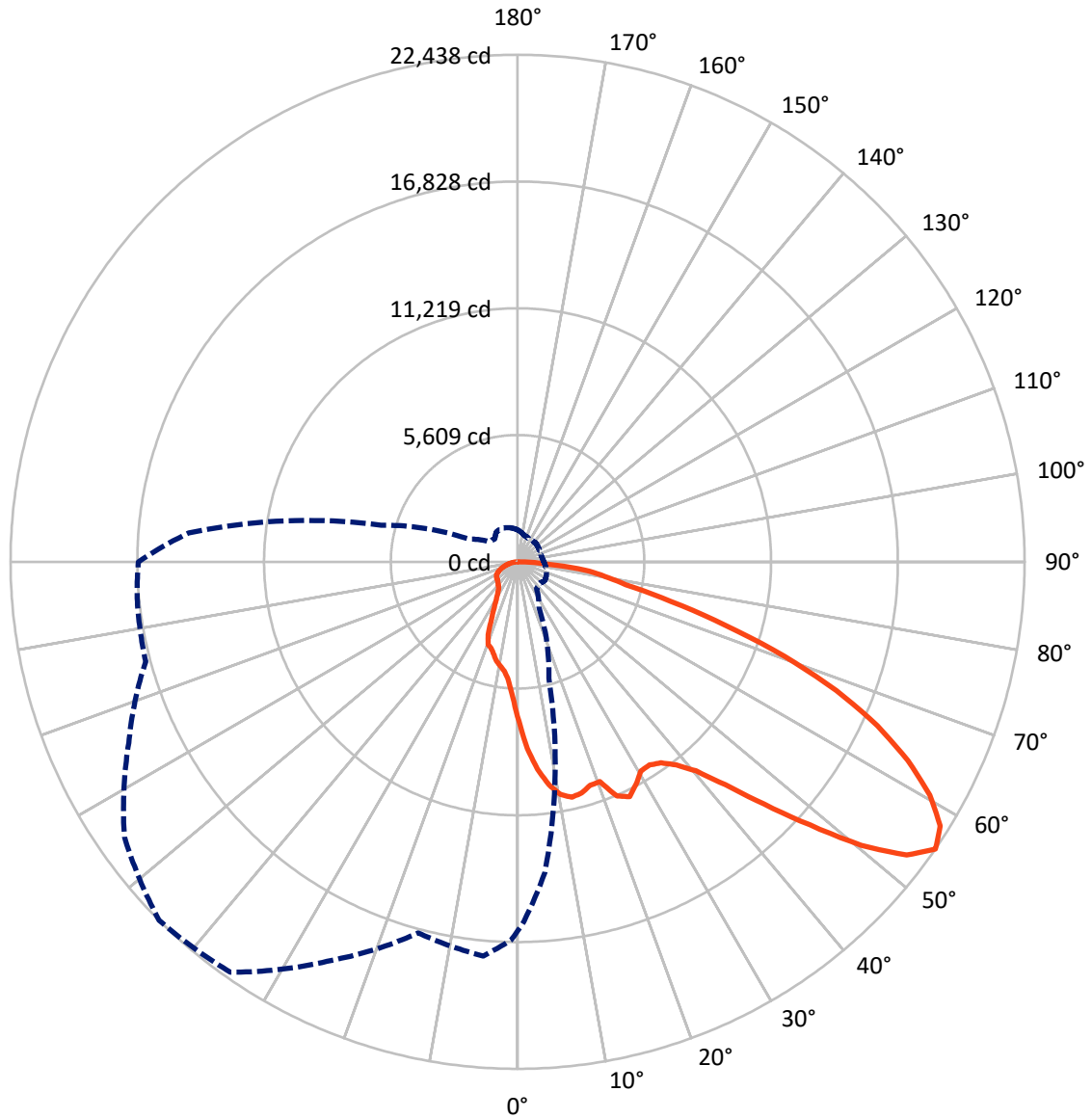
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 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	6143.3	0.0	6143.3
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	21941.0	0.0	21941.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	28084.4	0.0	28084.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.4	2.1
10°-20°	1584.8	5.6
20°-30°	2737.8	9.7
30°-40°	3181.7	11.3
40°-50°	4439.1	15.8
50°-60°	6023.4	21.4
60°-70°	5730.6	20.4
70°-80°	3095.8	11.0
80°-90°	693.8	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°	28084.4	100.0
0°-180°	28084.4	100.0

Coefficient of Utilization



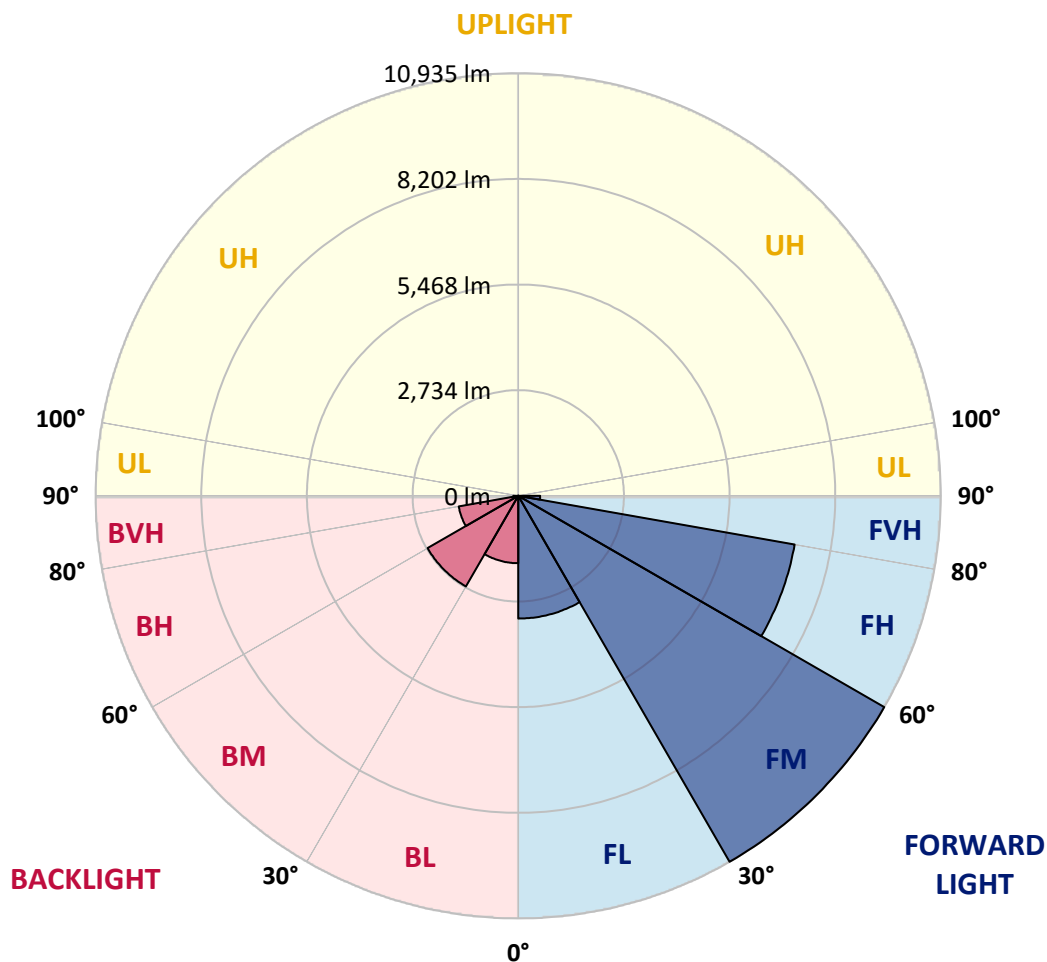
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3176.4	11.3			
FM (30°-60°)	10935.5	38.9			
FH (60°-80°)	7262.1	25.9			G3/7500
FVH (80°-90°)	567.0	2.0			G4/750
BL (0°-30°)	1743.5	6.2	B3/2500		
BM (30°-60°)	2708.8	9.6	B3/5000		
BH (60°-80°)	1564.2	5.6	B3/2500		G3/2500
BVH (80°-90°)	126.8	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°	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1
2.5°	7830.0	7800.3	7716.9	7498.3	7277.8	7053.6	6881.3	6666.4	6442.2	6321.8	6168.0
5°	7937.4	7904.1	7707.7	7214.9	6768.3	6299.5	5925.3	5597.4	5463.9	5267.5	5110.0
7.5°	7685.5	7670.6	7376.0	6668.3	6056.8	5443.5	5019.3	4756.2	4517.2	4428.2	4446.7
10°	7455.7	7396.4	7027.7	6103.1	5389.8	4891.4	4587.6	4330.0	4161.4	4116.9	4126.2
12.5°	7264.9	7185.2	6749.8	5723.3	5098.9	4700.6	4313.3	4044.7	3890.9	3933.5	4078.0
15°	7226.0	7118.5	6633.1	5593.7	4939.6	4426.4	4002.1	3692.7	3577.8	3670.4	3902.0
17.5°	7477.9	7342.7	6833.1	5636.2	4787.6	4146.6	3626.0	3272.1	3175.7	3324.0	3626.0
20°	8287.6	8087.5	7457.6	5882.6	4772.8	4007.6	3407.3	3051.6	3092.4	3373.9	3689.0
22.5°	9784.7	9484.5	8550.7	6242.1	4850.6	3972.4	3362.8	3177.6	3401.8	3640.8	3848.2
25°	10081.2	9845.8	8747.1	6323.6	4834.0	3948.3	3488.8	3581.5	3831.6	3950.2	3877.9
27.5°	10247.8	9979.2	8734.1	5919.7	4322.6	3581.5	3335.1	3488.8	3551.8	3436.9	3240.5
30°	10637.0	10357.2	8954.6	5495.4	3559.3	2656.9	2329.0	2266.0	2308.6	2330.8	2260.4
32.5°	11172.4	10896.3	9369.7	5217.5	3077.5	2197.4	1875.0	1786.1	1765.8	1741.6	1713.9
35°	11865.3	11441.0	9777.3	5039.6	2879.2	2032.5	1736.1	1667.5	1639.7	1606.4	1576.7
37.5°	12569.4	12124.8	10292.3	4852.5	2747.7	1917.6	1643.4	1611.9	1563.8	1528.6	1486.0
40°	13318.0	12819.5	10761.1	4689.4	2619.9	1843.6	1576.7	1573.0	1510.0	1469.3	1419.3
42.5°	13966.5	13453.2	11179.8	4589.4	2521.7	1765.8	1536.0	1547.1	1482.3	1421.1	1356.3
45°	14481.5	13977.6	11567.0	4589.4	2442.0	1687.9	1528.6	1521.1	1456.3	1380.3	1306.2
47.5°	14933.6	14413.0	11945.1	4706.2	2392.0	1623.0	1487.8	1500.8	1434.1	1337.7	1265.5
50°	15283.8	14824.3	12454.5	4887.7	2341.9	1571.2	1435.9	1506.3	1415.6	1315.5	1232.1
52.5°	15730.3	15319.0	13067.9	5136.0	2299.3	1513.7	1389.6	1506.3	1413.7	1317.3	1226.6
55°	16349.1	15915.6	13807.1	5341.6	2230.8	1460.0	1348.9	1463.7	1408.2	1308.1	1211.7
57.5°	16782.7	16458.5	14329.6	5478.8	2132.6	1391.4	1311.8	1423.0	1384.0	1272.9	1167.3
58°	16803.1	16486.3	14405.6	5510.2	2108.5	1378.5	1302.5	1404.4	1372.9	1258.1	1152.4
60°	16569.6	16297.3	14420.4	5465.7	1971.4	1313.6	1254.4	1328.4	1313.6	1171.0	1072.8
62.5°	15721.1	15430.2	13821.9	5104.4	1789.8	1234.0	1180.3	1226.6	1193.2	1048.7	957.9
65°	14514.9	13979.4	12591.7	4537.5	1660.1	1148.7	1080.2	1083.9	1048.7	944.9	865.2
67.5°	12908.5	12310.1	10661.0	3824.2	1561.9	1054.3	961.6	952.3	909.7	843.0	778.2
70°	10931.6	10522.1	8663.7	3110.9	1452.6	950.5	828.2	822.7	796.7	746.6	689.3
72.5°	8860.1	8339.4	6996.2	2490.2	1319.2	850.4	704.1	715.2	681.8	646.6	594.8
75°	6538.5	6197.7	5408.3	1997.3	1139.5	741.1	587.4	591.1	576.3	539.2	498.4
77.5°	4305.9	4204.0	3868.7	1311.8	876.4	589.2	479.9	483.6	472.5	439.1	396.5
80°	2897.7	2829.2	2621.7	844.9	585.5	426.1	370.5	374.2	372.4	337.2	279.8
82.5°	1786.1	1756.4	1689.7	570.7	405.8	305.7	244.6	255.7	276.1	237.2	190.8
85°	843.0	844.9	1020.9	311.3	239.0	196.4	133.4	142.6	142.6	142.6	107.5
87.5°	109.3	114.9	140.8	131.5	87.0	74.1	48.2	40.8	35.2	46.3	33.4
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°	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1
2.5°	6114.2	6077.2	5997.5	5979.0	5967.9	5999.4	5916.0	5938.2	5901.2	6004.9	5988.3
5°	5119.3	5123.0	5187.9	5230.4	5245.3	5230.4	5174.9	5078.5	5004.5	4974.8	4982.2
7.5°	4411.5	4476.4	4587.6	4711.7	4824.7	4858.0	4826.6	4643.2	4443.0	4317.0	4276.3
10°	4176.2	4263.3	4391.1	4489.3	4589.4	4669.1	4685.7	4543.1	4305.9	4007.6	3890.9
12.5°	4189.2	4307.8	4430.1	4461.6	4452.3	4483.8	4469.0	4444.9	4289.3	3909.4	3714.9
15°	4066.9	4207.7	4293.0	4276.3	4246.6	4218.9	4179.9	4118.8	4063.2	3796.4	3581.5
17.5°	3785.3	3929.8	4000.2	4005.8	4005.8	3998.4	3903.8	3881.6	3874.2	3744.6	3612.9
20°	3837.1	3916.9	3885.3	3833.4	3848.2	3898.3	3842.7	3831.6	3874.2	3931.7	3907.5
22.5°	3866.8	3839.0	3601.8	3372.1	3320.3	3475.9	3507.4	3631.5	3803.8	4011.3	4146.6
25°	3683.4	3459.2	3034.9	2775.5	2629.1	2773.6	2962.7	3192.4	3450.0	3716.7	3874.2
27.5°	3079.4	2908.9	2605.1	2371.6	2243.8	2266.0	2427.2	2636.5	2875.5	3055.3	3170.1
30°	2319.7	2243.8	2086.3	2006.6	1928.7	1910.2	1978.8	2058.4	2164.1	2186.3	2216.0
32.5°	1708.3	1697.1	1706.5	1680.5	1665.7	1663.8	1643.4	1662.0	1673.1	1686.0	1660.1
35°	1545.3	1530.5	1504.5	1497.1	1487.8	1491.5	1482.3	1473.0	1480.4	1491.5	1498.9
37.5°	1461.8	1439.6	1402.5	1389.6	1389.6	1395.1	1380.3	1376.6	1389.6	1424.8	1443.3
40°	1397.0	1371.1	1328.4	1311.8	1322.9	1337.7	1317.3	1309.9	1341.4	1378.5	1408.2
42.5°	1335.8	1315.5	1274.7	1256.2	1265.5	1293.3	1263.6	1258.1	1298.8	1339.5	1374.8
45°	1284.0	1263.6	1226.6	1217.3	1221.0	1247.0	1226.6	1226.6	1265.5	1309.9	1341.4
47.5°	1243.3	1217.3	1193.2	1185.8	1189.5	1204.3	1200.6	1200.6	1237.7	1284.0	1315.5
50°	1202.5	1180.3	1148.7	1152.4	1161.7	1182.1	1180.3	1185.8	1222.8	1280.3	1313.6
52.5°	1184.0	1150.6	1115.4	1119.1	1146.9	1171.0	1163.5	1169.2	1211.7	1319.2	1367.4
55°	1163.5	1119.1	1078.3	1083.9	1115.4	1150.6	1141.3	1148.7	1198.8	1345.2	1411.9
57.5°	1124.7	1072.8	1028.3	1032.0	1078.3	1115.4	1100.5	1109.9	1169.2	1317.3	1387.7
58°	1108.0	1063.5	1020.9	1022.7	1067.2	1108.0	1091.3	1098.7	1159.8	1309.9	1376.6
60°	1037.5	1011.6	974.6	976.4	1019.0	1054.3	1044.9	1052.4	1111.7	1256.2	1306.2
62.5°	941.2	926.4	917.1	917.1	943.1	976.4	985.7	995.0	1048.7	1135.8	1180.3
65°	837.5	837.5	839.3	839.3	856.0	898.6	904.2	928.3	978.3	1020.9	1054.3
67.5°	767.1	763.4	767.1	757.8	765.2	791.1	819.0	841.2	893.1	922.7	933.8
70°	676.2	674.4	676.2	663.3	672.5	694.8	713.3	750.4	804.1	826.4	831.9
72.5°	587.4	587.4	591.1	581.8	581.8	605.9	618.8	659.6	709.6	722.6	724.4
75°	494.7	500.2	500.2	487.3	491.0	505.8	522.5	555.8	602.2	611.4	611.4
77.5°	392.8	413.2	413.2	400.2	405.8	407.6	429.8	446.5	481.7	485.4	470.6
80°	285.4	305.7	322.4	311.3	320.5	309.4	322.4	333.5	368.7	352.0	327.9
82.5°	203.8	218.7	231.6	233.5	224.2	203.8	220.5	222.4	239.0	216.8	203.8
85°	113.0	126.0	142.6	135.2	120.4	107.5	113.0	116.7	114.9	109.3	101.9
87.5°	29.6	31.5	35.2	25.9	24.1	20.4	27.8	27.8	31.5	33.4	31.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1
2.5°	6001.2	6082.8	6258.8	6392.2	6555.3	6753.5	6986.9	7222.3	7476.1	7555.7	7666.9
5°	4965.5	5169.3	5254.6	5497.3	5738.1	6099.4	6484.8	6931.4	7420.5	7655.8	7881.9
7.5°	4242.9	4352.3	4441.2	4619.0	4908.1	5347.2	5830.8	6388.5	7081.4	7424.2	7755.9
10°	3853.8	3865.0	3974.2	4194.7	4446.7	4834.0	5291.7	5916.0	6688.6	7105.5	7494.6
12.5°	3596.3	3548.1	3666.7	3896.4	4181.8	4539.4	4960.0	5554.7	6405.1	6833.1	7303.7
15°	3370.2	3294.3	3383.3	3618.6	3900.1	4320.7	4772.8	5402.8	6294.0	6792.4	7314.8
17.5°	3375.8	3166.4	3197.9	3396.2	3675.9	4104.0	4652.4	5397.2	6462.6	7037.0	7655.8
20°	3792.7	3457.4	3314.6	3351.7	3622.3	4089.1	4708.0	5656.7	7016.5	7854.0	8515.5
22.5°	4202.1	4000.2	3770.5	3694.5	3842.7	4331.8	5061.9	6269.9	8220.9	9482.7	10677.8
25°	4059.5	4231.8	4174.4	4066.9	4100.3	4506.0	5302.8	6773.8	9156.6	10577.7	11700.5
27.5°	3247.9	3561.1	3624.1	3622.3	3635.2	3968.7	4769.1	6434.8	9273.3	10787.0	11859.8
30°	2282.6	2310.5	2343.8	2408.6	2467.9	2766.2	3731.5	5649.2	9221.4	10881.5	11956.2
32.5°	1647.2	1684.2	1730.5	1819.4	1960.3	2340.1	3264.7	5399.1	9495.6	11272.5	12237.8
35°	1506.3	1549.0	1593.4	1695.3	1828.8	2180.7	3079.4	5295.4	9945.8	11906.1	12743.6
37.5°	1461.8	1510.0	1549.0	1623.0	1730.5	2065.9	2910.8	5224.9	10407.2	12576.8	13421.8
40°	1430.4	1486.0	1517.4	1576.7	1650.9	1960.3	2760.7	5169.3	10853.8	13190.2	13966.5
42.5°	1402.5	1460.0	1500.8	1543.4	1604.5	1865.8	2627.3	5113.8	11241.0	13784.9	14509.4
45°	1369.2	1441.5	1493.4	1526.8	1580.4	1786.1	2525.4	5069.3	11681.9	14312.9	15057.8
47.5°	1341.4	1421.1	1486.0	1524.9	1545.3	1730.5	2443.9	5130.4	12211.8	14865.1	15567.2
50°	1343.2	1419.3	1500.8	1561.9	1508.2	1684.2	2393.8	5373.1	12901.1	15521.0	15969.3
52.5°	1402.5	1495.2	1560.1	1574.9	1456.3	1628.6	2367.9	5797.4	13716.3	16100.9	16375.1
55°	1469.3	1565.6	1636.0	1626.7	1428.5	1558.2	2362.4	6249.6	14609.3	16777.2	16903.2
57.5°	1445.2	1586.0	1693.4	1645.3	1430.4	1489.7	2338.2	6614.5	15356.1	17283.0	17425.6
58°	1437.8	1578.6	1700.8	1641.5	1424.8	1469.3	2332.7	6646.0	15459.9	17318.2	17499.8
60°	1365.5	1513.7	1695.3	1613.8	1393.3	1413.7	2271.5	6747.9	15432.0	17136.6	17544.2
62.5°	1234.0	1356.3	1567.5	1478.6	1297.0	1339.5	2134.5	6621.9	14679.8	16262.1	16893.9
65°	1085.7	1176.6	1317.3	1300.7	1159.8	1263.6	1947.3	6123.5	13173.4	14842.8	15508.0
67.5°	974.6	1048.7	1137.6	1113.6	1043.1	1161.7	1745.3	5280.5	11483.7	13138.3	13975.7
70°	861.5	919.0	963.4	946.8	924.5	1061.7	1565.6	4285.6	9864.3	11518.9	12330.4
72.5°	746.6	800.4	837.5	813.4	800.4	956.0	1419.3	3325.8	7791.0	9503.0	10546.1
75°	624.4	678.1	704.1	676.2	668.8	843.0	1202.5	2484.7	5845.6	7326.0	8226.5
77.5°	483.6	541.0	574.4	565.1	568.9	693.0	970.9	1700.8	4179.9	4993.4	5941.9
80°	339.1	402.1	424.3	415.0	440.9	528.1	685.5	1080.2	2882.9	3240.5	3909.4
82.5°	209.4	268.6	272.4	281.7	300.2	391.0	517.0	657.7	1810.2	1871.3	2356.7
85°	105.6	127.8	137.1	152.0	168.6	239.0	294.6	407.6	1165.4	882.0	1317.3
87.5°	35.2	37.1	44.5	55.6	68.5	98.2	126.0	166.8	289.1	159.4	407.6
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1	7048.1
2.5°	7891.1	8048.6	8163.5	8269.0	8167.2	8157.9	8057.9	7896.7	7830.0	7830.0
5°	8356.2	8724.9	9023.2	9214.0	9132.5	8936.0	8611.8	8198.7	7976.3	7937.4
7.5°	8484.0	9212.1	9766.1	9962.6	9825.4	9391.9	8771.2	8074.5	7755.9	7685.5
10°	8406.2	9352.9	10166.3	10477.6	10286.8	9630.9	8784.2	7930.0	7537.2	7455.7
12.5°	8324.6	9371.5	10240.4	10690.7	10566.6	9823.6	8878.7	7835.5	7381.5	7264.9
15°	8383.9	9378.9	10149.7	10614.8	10694.4	10055.2	9034.3	7904.1	7350.1	7226.0
17.5°	8758.3	9519.7	10020.0	10396.1	10675.9	10370.1	9477.1	8232.0	7631.7	7477.9
20°	9540.1	9856.9	10094.1	10385.0	10835.2	11013.1	10383.2	9132.5	8422.9	8287.6
22.5°	11804.2	11746.8	11261.3	11255.8	11908.0	12621.3	12578.7	10963.0	9895.9	9784.7
25°	12652.8	12386.0	11683.8	11513.4	11800.5	12901.1	12741.7	11337.4	10351.6	10081.2
27.5°	12321.2	11659.7	11198.3	11159.5	11065.0	12104.3	12487.9	11489.2	10511.0	10247.8
30°	12300.8	11328.0	10668.4	10746.3	10837.0	11830.2	12628.7	11965.4	10918.6	10637.0
32.5°	12350.8	11374.4	10707.4	10722.2	10992.7	11871.0	12784.4	12484.2	11454.1	11172.4
35°	12552.8	11637.5	10955.6	10920.5	11342.9	12137.7	13049.3	13299.4	12185.9	11865.3
37.5°	12878.8	12161.8	11409.6	11400.3	12013.6	12619.5	13379.1	14122.1	12914.1	12569.4
40°	13358.7	12775.1	12217.4	12167.4	12925.2	13403.2	13807.1	14998.5	13760.8	13318.0
42.5°	13938.6	13510.7	13282.8	13481.1	14209.2	14283.3	14474.1	15808.1	14481.5	13966.5
45°	14476.0	14455.6	14772.4	15298.6	15722.9	15278.3	15170.8	16351.1	15041.1	14481.5
47.5°	15115.2	15667.3	16623.4	17394.2	17838.8	16436.3	15765.6	16704.9	15448.7	14933.6
50°	15763.7	17118.1	18644.8	19719.4	19813.9	17694.3	16175.0	17038.4	15819.3	15283.8
52.5°	16445.5	18276.1	20308.6	21557.4	21374.0	18789.3	16571.5	17264.5	16200.9	15730.3
55°	17038.4	18985.7	21238.7	22437.5	22168.8	19456.3	16999.5	17509.0	16745.7	16349.1
57.5°	17370.1	19045.0	21007.1	22054.0	21763.1	19326.6	17195.9	17690.6	17094.0	16782.7
58°	17418.2	18965.3	20801.5	21831.6	21535.2	19217.3	17194.1	17683.2	17116.2	16803.1
60°	17375.6	18448.4	20036.2	20953.3	20642.1	18531.8	17123.6	17544.2	16834.6	16569.6
62.5°	16981.0	17551.7	18715.2	19382.2	19293.3	17460.8	16834.6	17019.9	15976.7	15721.1
65°	16462.2	16328.8	17023.6	17496.1	17562.8	16658.6	16547.4	15886.0	14876.2	14514.9
67.5°	15832.2	14942.9	14941.0	15209.7	15320.8	15424.6	15949.0	14653.8	13290.2	12908.5
70°	14763.2	12806.6	12217.4	12534.3	12441.6	13318.0	14879.9	12923.3	11378.1	10931.6
72.5°	12802.9	10162.6	9219.5	9627.2	9393.7	10444.3	13019.7	10635.1	9408.5	8860.1
75°	10377.6	7602.1	6629.4	7003.6	6859.1	7922.6	10833.3	7724.3	6747.9	6538.5
77.5°	8057.9	5508.4	4943.3	4891.4	4998.9	5895.7	7946.7	5215.6	4448.6	4305.9
80°	5176.8	3942.8	3976.2	3909.4	3965.0	3716.7	4824.7	3327.7	3012.6	2897.7
82.5°	3407.3	2747.7	3275.8	3023.8	2871.8	2499.5	3164.6	2178.9	1849.1	1786.1
85°	2321.6	2023.3	1841.7	1408.2	1658.3	1925.0	2373.5	1172.9	930.1	843.0
87.5°	1048.7	704.1	517.0	318.7	503.9	581.8	1152.4	137.1	105.6	109.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)