

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: P454584

Luminaire Tested: **GLAN-SA5D-722-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454584
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-722-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2200K, 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: 24548 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

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



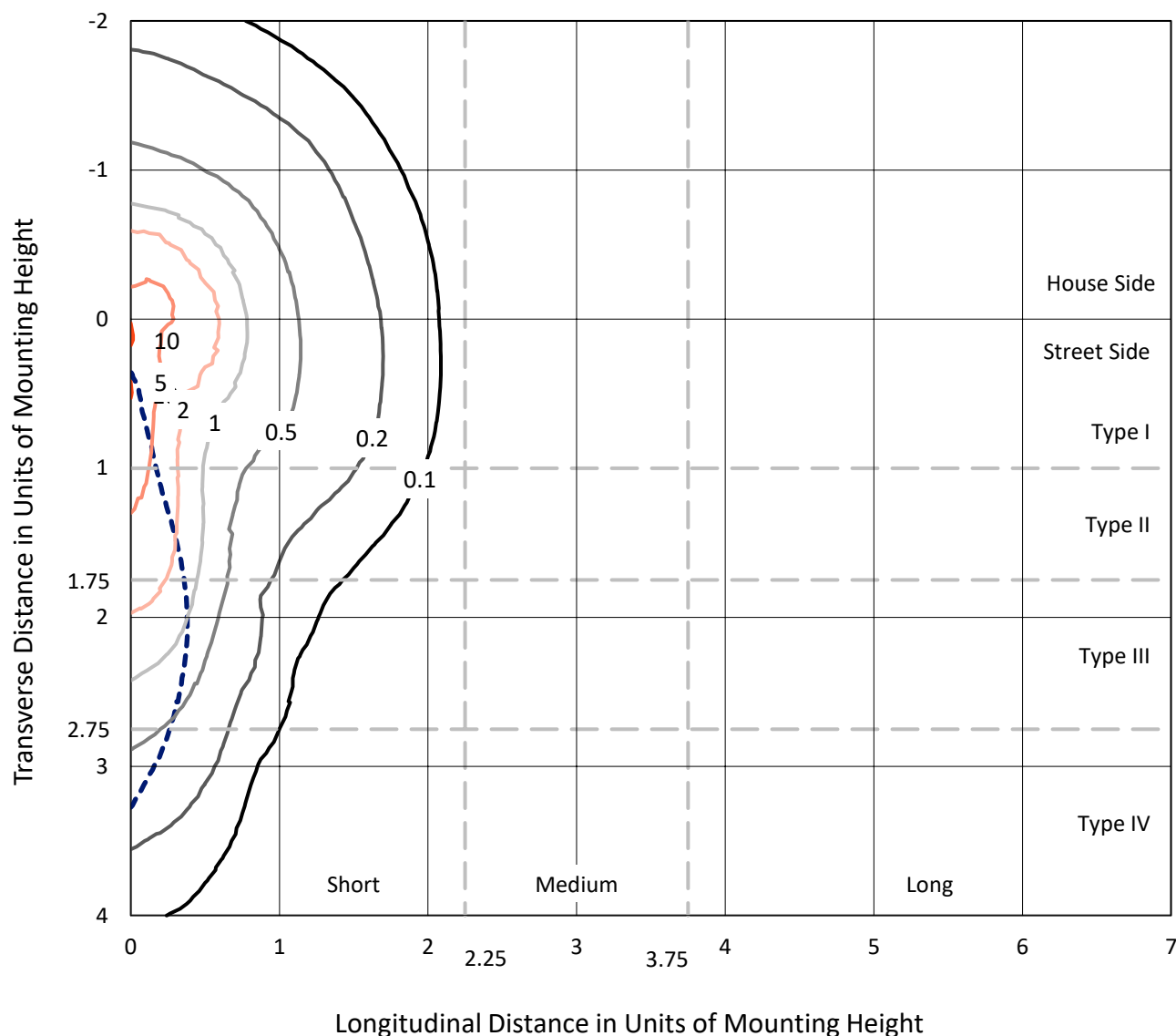
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



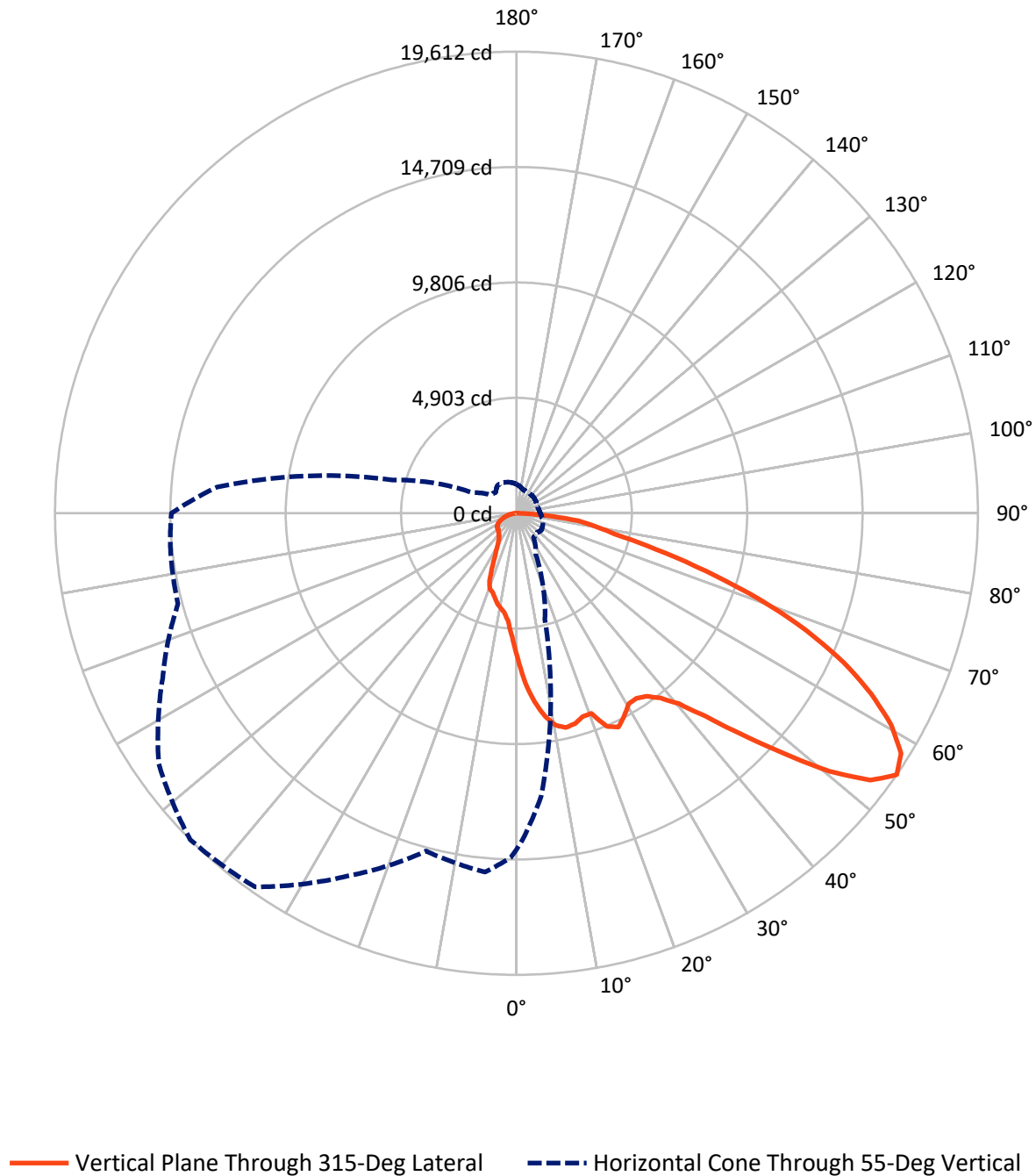
Based on 25 foot mounting height. Maximum calculated value = 10.6 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5369.8	0.0	5369.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	19178.2	0.0	19178.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	24548.0	0.0	24548.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.1	2.1
10°-20°	1385.2	5.6
20°-30°	2393.0	9.7
30°-40°	2781.1	11.3
40°-50°	3880.2	15.8
50°-60°	5265.0	21.4
60°-70°	5009.0	20.4
70°-80°	2706.0	11.0
80°-90°	606.5	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°	24548.0	100.0
0°-180°	24548.0	100.0

Coefficient of Utilization



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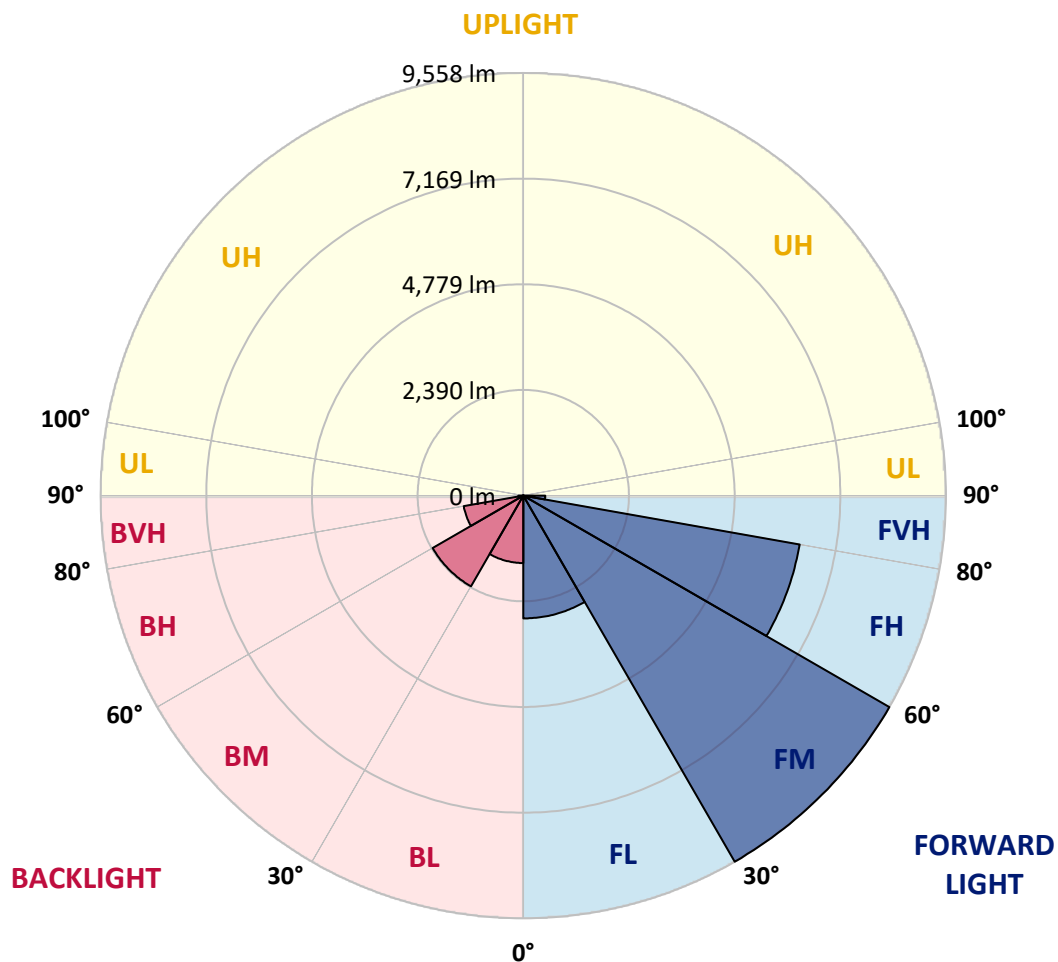
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2776.4	11.3			
FM	(30°-60°)	9558.5	38.9			
FH	(60°-80°)	6347.7	25.9			G3/7500
FVH	(80°-90°)	495.6	2.0			G3/500
BL	(0°-30°)	1524.0	6.2	B3/2500		
BM	(30°-60°)	2367.7	9.6	B2/2500		
BH	(60°-80°)	1367.3	5.6	B3/2500		G3/2500
BVH	(80°-90°)	110.8	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6
2.5°	6844.0	6818.1	6745.2	6554.1	6361.4	6165.4	6014.8	5827.0	5631.0	5525.7	5391.3
5°	6938.0	6908.8	6737.1	6306.3	5916.0	5506.3	5179.2	4892.5	4775.9	4604.2	4466.6
7.5°	6717.7	6704.7	6447.2	5828.6	5294.2	4758.1	4387.2	4157.3	3948.3	3870.6	3886.8
10°	6516.9	6465.1	6142.8	5334.6	4711.1	4275.5	4009.9	3784.8	3637.4	3598.5	3606.6
12.5°	6350.1	6280.4	5899.8	5002.6	4456.9	4108.7	3770.2	3535.4	3401.0	3438.2	3564.5
15°	6316.1	6222.1	5797.8	4889.3	4317.6	3869.0	3498.1	3227.7	3127.3	3208.2	3410.7
17.5°	6536.3	6418.1	5972.7	4926.5	4184.8	3624.4	3169.4	2860.0	2775.8	2905.4	3169.4
20°	7244.0	7069.1	6518.5	5141.9	4171.8	3503.0	2978.3	2667.3	2703.0	2949.1	3224.4
22.5°	8552.6	8290.2	7474.0	5456.1	4239.9	3472.2	2939.4	2777.4	2973.4	3182.3	3363.7
25°	8811.7	8606.0	7645.7	5527.4	4225.3	3451.2	3049.5	3130.5	3349.1	3452.8	3389.6
27.5°	8957.5	8722.6	7634.3	5174.3	3778.3	3130.5	2915.1	3049.5	3104.6	3004.2	2832.5
30°	9297.6	9053.0	7827.1	4803.4	3111.1	2322.4	2035.7	1980.7	2017.9	2037.3	1975.8
32.5°	9765.6	9524.3	8189.8	4560.5	2690.0	1920.7	1638.9	1561.2	1543.4	1522.3	1498.0
35°	10371.3	10000.4	8546.1	4405.0	2516.7	1776.6	1517.5	1457.6	1433.3	1404.1	1378.2
37.5°	10986.7	10598.0	8996.3	4241.5	2401.7	1676.2	1436.5	1409.0	1366.9	1336.1	1298.8
40°	11641.0	11205.3	9406.1	4099.0	2290.0	1611.4	1378.2	1375.0	1319.9	1284.3	1240.5
42.5°	12207.8	11759.2	9772.1	4011.5	2204.1	1543.4	1342.6	1352.3	1295.6	1242.2	1185.5
45°	12658.0	12217.5	10110.6	4011.5	2134.5	1475.4	1336.1	1329.6	1272.9	1206.5	1141.7
47.5°	13053.2	12598.1	10440.9	4113.5	2090.8	1418.7	1300.5	1311.8	1253.5	1169.3	1106.1
50°	13359.3	12957.6	10886.3	4272.2	2047.1	1373.3	1255.1	1316.7	1237.3	1149.8	1077.0
52.5°	13749.6	13390.1	11422.4	4489.3	2009.8	1323.1	1214.6	1316.7	1235.7	1151.5	1072.1
55°	14290.5	13911.5	12068.5	4669.0	1949.9	1276.2	1179.0	1279.4	1230.8	1143.4	1059.2
57.5°	14669.5	14386.0	12525.2	4788.9	1864.0	1216.2	1146.6	1243.8	1209.8	1112.6	1020.3
58°	14687.3	14410.3	12591.6	4816.4	1843.0	1204.9	1138.5	1227.6	1200.1	1099.6	1007.3
60°	14483.2	14245.1	12604.6	4777.5	1723.2	1148.2	1096.4	1161.2	1148.2	1023.5	937.7
62.5°	13741.5	13487.2	12081.5	4461.7	1564.4	1078.6	1031.6	1072.1	1043.0	916.6	837.3
65°	12687.2	12219.1	11006.1	3966.2	1451.1	1004.1	944.2	947.4	916.6	825.9	756.3
67.5°	11283.1	10760.0	9318.6	3342.7	1365.2	921.5	840.5	832.4	795.2	736.9	680.2
70°	9555.1	9197.2	7572.8	2719.1	1269.7	830.8	723.9	719.1	696.4	652.7	602.5
72.5°	7744.5	7289.4	6115.2	2176.6	1153.1	743.4	615.4	625.1	596.0	565.2	519.9
75°	5715.2	5417.2	4727.3	1745.8	996.0	647.8	513.4	516.6	503.7	471.3	435.6
77.5°	3763.7	3674.7	3381.5	1146.6	766.0	515.0	419.5	422.7	413.0	383.8	346.6
80°	2532.9	2473.0	2291.6	738.5	511.8	372.5	323.9	327.1	325.5	294.7	244.5
82.5°	1561.2	1535.3	1477.0	498.8	354.7	267.2	213.8	223.5	241.3	207.3	166.8
85°	736.9	738.5	892.3	272.1	208.9	171.7	116.6	124.7	124.7	124.7	93.9
87.5°	95.6	100.4	123.1	115.0	76.1	64.8	42.1	35.6	30.8	40.5	29.2
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°	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6
2.5°	5344.4	5312.0	5242.3	5226.1	5216.4	5244.0	5171.1	5190.5	5158.1	5248.8	5234.2
5°	4474.7	4477.9	4534.6	4571.9	4584.8	4571.9	4523.3	4439.1	4374.3	4348.4	4354.8
7.5°	3856.0	3912.7	4009.9	4118.4	4217.2	4246.3	4218.8	4058.5	3883.6	3773.4	3737.8
10°	3650.4	3726.5	3838.2	3924.1	4011.5	4081.1	4095.7	3971.0	3763.7	3503.0	3401.0
12.5°	3661.7	3765.3	3872.2	3899.8	3891.7	3919.2	3906.2	3885.2	3749.1	3417.2	3247.1
15°	3554.8	3677.9	3752.4	3737.8	3711.9	3687.6	3653.6	3600.2	3551.6	3318.4	3130.5
17.5°	3308.6	3435.0	3496.5	3501.4	3501.4	3494.9	3412.3	3392.9	3386.4	3273.0	3158.0
20°	3354.0	3423.6	3396.1	3350.8	3363.7	3407.4	3358.8	3349.1	3386.4	3436.6	3415.5
22.5°	3379.9	3355.6	3148.3	2947.5	2902.1	3038.2	3065.7	3174.2	3324.8	3506.2	3624.4
25°	3219.6	3023.6	2652.7	2426.0	2298.1	2424.4	2589.6	2790.4	3015.5	3248.7	3386.4
27.5°	2691.6	2542.6	2277.0	2073.0	1961.2	1980.7	2121.5	2304.6	2513.5	2670.6	2771.0
30°	2027.6	1961.2	1823.6	1753.9	1685.9	1669.7	1729.6	1799.3	1891.6	1911.0	1936.9
32.5°	1493.2	1483.5	1491.6	1468.9	1455.9	1454.3	1436.5	1452.7	1462.4	1473.7	1451.1
35°	1350.7	1337.7	1315.0	1308.6	1300.5	1303.7	1295.6	1287.5	1294.0	1303.7	1310.2
37.5°	1277.8	1258.4	1226.0	1214.6	1214.6	1219.5	1206.5	1203.3	1214.6	1245.4	1261.6
40°	1221.1	1198.4	1161.2	1146.6	1156.3	1169.3	1151.5	1145.0	1172.5	1204.9	1230.8
42.5°	1167.7	1149.8	1114.2	1098.0	1106.1	1130.4	1104.5	1099.6	1135.3	1170.9	1201.7
45°	1122.3	1104.5	1072.1	1064.0	1067.3	1089.9	1072.1	1072.1	1106.1	1145.0	1172.5
47.5°	1086.7	1064.0	1043.0	1036.5	1039.7	1052.7	1049.4	1049.4	1081.8	1122.3	1149.8
50°	1051.1	1031.6	1004.1	1007.3	1015.4	1033.2	1031.6	1036.5	1068.9	1119.1	1148.2
52.5°	1034.9	1005.7	974.9	978.2	1002.5	1023.5	1017.0	1021.9	1059.2	1153.1	1195.2
55°	1017.0	978.2	942.6	947.4	974.9	1005.7	997.6	1004.1	1047.8	1175.8	1234.1
57.5°	983.0	937.7	898.8	902.1	942.6	974.9	962.0	970.1	1021.9	1151.5	1213.0
58°	968.5	929.6	892.3	894.0	932.8	968.5	953.9	960.4	1013.8	1145.0	1203.3
60°	906.9	884.2	851.9	853.5	890.7	921.5	913.4	919.9	971.7	1098.0	1141.7
62.5°	822.7	809.8	801.7	801.7	824.3	853.5	861.6	869.7	916.6	992.8	1031.6
65°	732.0	732.0	733.6	733.6	748.2	785.5	790.3	811.4	855.1	892.3	921.5
67.5°	670.5	667.2	670.5	662.4	668.9	691.5	715.8	735.3	780.6	806.5	816.2
70°	591.1	589.5	591.1	579.8	587.9	607.3	623.5	655.9	702.9	722.3	727.2
72.5°	513.4	513.4	516.6	508.5	508.5	529.6	540.9	576.5	620.3	631.6	633.2
75°	432.4	437.3	437.3	425.9	429.2	442.1	456.7	485.9	526.3	534.4	534.4
77.5°	343.3	361.1	361.1	349.8	354.7	356.3	375.7	390.3	421.1	424.3	411.4
80°	249.4	267.2	281.8	272.1	280.2	270.5	281.8	291.5	322.3	307.7	286.7
82.5°	178.1	191.1	202.4	204.1	196.0	178.1	192.7	194.3	208.9	189.5	178.1
85°	98.8	110.1	124.7	118.2	105.3	93.9	98.8	102.0	100.4	95.6	89.1
87.5°	25.9	27.5	30.8	22.7	21.1	17.8	24.3	24.3	27.5	29.2	27.5
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°	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6
2.5°	5245.6	5316.8	5470.7	5587.3	5729.8	5903.1	6107.1	6312.8	6534.7	6604.3	6701.5
5°	4340.3	4518.4	4592.9	4805.1	5015.6	5331.4	5668.3	6058.6	6486.1	6691.8	6889.4
7.5°	3708.7	3804.2	3881.9	4037.4	4290.1	4673.9	5096.6	5584.0	6189.7	6489.3	6779.2
10°	3368.6	3378.3	3473.8	3666.6	3886.8	4225.3	4625.3	5171.1	5846.4	6210.8	6550.9
12.5°	3143.5	3101.3	3205.0	3405.8	3655.2	3967.8	4335.4	4855.3	5598.6	5972.7	6384.1
15°	2945.9	2879.5	2957.2	3162.9	3409.1	3776.7	4171.8	4722.5	5501.5	5937.1	6393.8
17.5°	2950.7	2767.7	2795.3	2968.5	3213.1	3587.2	4066.6	4717.6	5648.8	6150.9	6691.8
20°	3315.1	3022.0	2897.3	2929.7	3166.1	3574.2	4115.2	4944.3	6133.1	6865.1	7443.2
22.5°	3673.0	3496.5	3295.7	3229.3	3358.8	3786.4	4424.5	5480.4	7185.7	8288.6	9333.2
25°	3548.3	3698.9	3648.7	3554.8	3584.0	3938.6	4635.0	5920.9	8003.6	9245.7	10227.2
27.5°	2839.0	3112.7	3167.7	3166.1	3177.5	3469.0	4168.6	5624.5	8105.6	9428.7	10366.4
30°	1995.2	2019.5	2048.7	2105.4	2157.2	2417.9	3261.7	4937.9	8060.3	9511.3	10450.7
32.5°	1439.7	1472.1	1512.6	1590.4	1713.4	2045.4	2853.6	4719.2	8300.0	9853.1	10696.8
35°	1316.7	1353.9	1392.8	1481.8	1598.4	1906.2	2691.6	4628.5	8693.5	10406.9	11138.9
37.5°	1277.8	1319.9	1353.9	1418.7	1512.6	1805.7	2544.2	4567.0	9096.7	10993.2	11731.7
40°	1250.3	1298.8	1326.4	1378.2	1443.0	1713.4	2413.1	4518.4	9487.0	11529.2	12207.8
42.5°	1226.0	1276.2	1311.8	1349.0	1402.5	1630.8	2296.5	4469.8	9825.5	12049.1	12682.3
45°	1196.8	1260.0	1305.3	1334.5	1381.4	1561.2	2207.4	4431.0	10211.0	12510.7	13161.7
47.5°	1172.5	1242.2	1298.8	1332.9	1350.7	1512.6	2136.1	4484.4	10674.1	12993.3	13607.1
50°	1174.1	1240.5	1311.8	1365.2	1318.3	1472.1	2092.4	4696.6	11276.6	13566.6	13958.5
52.5°	1226.0	1306.9	1363.6	1376.6	1272.9	1423.5	2069.7	5067.4	11989.2	14073.5	14313.2
55°	1284.3	1368.5	1430.0	1421.9	1248.6	1362.0	2064.9	5462.6	12769.8	14664.6	14774.7
57.5°	1263.2	1386.3	1480.2	1438.1	1250.3	1302.1	2043.8	5781.6	13422.4	15106.7	15231.4
58°	1256.7	1379.8	1486.7	1434.9	1245.4	1284.3	2039.0	5809.2	13513.1	15137.5	15296.2
60°	1193.6	1323.1	1481.8	1410.6	1217.9	1235.7	1985.5	5898.2	13488.8	14978.8	15335.1
62.5°	1078.6	1185.5	1370.1	1292.4	1133.7	1170.9	1865.7	5788.1	12831.3	14214.4	14766.6
65°	949.0	1028.4	1151.5	1136.9	1013.8	1104.5	1702.1	5352.5	11514.7	12973.8	13555.2
67.5°	851.9	916.6	994.4	973.3	911.8	1015.4	1525.6	4615.6	10037.7	11483.9	12215.9
70°	753.1	803.3	842.1	827.6	808.1	928.0	1368.5	3745.9	8622.2	10068.4	10777.8
72.5°	652.7	699.6	732.0	711.0	699.6	835.7	1240.5	2907.0	6810.0	8306.4	9218.2
75°	545.8	592.7	615.4	591.1	584.6	736.9	1051.1	2171.8	5109.5	6403.5	7190.6
77.5°	422.7	472.9	502.0	493.9	497.2	605.7	848.6	1486.7	3653.6	4364.6	5193.7
80°	296.4	351.4	370.9	362.8	385.4	461.6	599.2	944.2	2519.9	2832.5	3417.2
82.5°	183.0	234.8	238.1	246.2	262.4	341.7	451.8	574.9	1582.3	1635.7	2060.0
85°	92.3	111.7	119.8	132.8	147.4	208.9	257.5	356.3	1018.7	770.9	1151.5
87.5°	30.8	32.4	38.9	48.6	59.9	85.8	110.1	145.8	252.6	139.3	356.3
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°	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6	6160.6
2.5°	6897.5	7035.1	7135.5	7227.8	7138.8	7130.7	7043.2	6902.3	6844.0	6844.0
5°	7304.0	7626.2	7887.0	8053.8	7982.5	7810.9	7527.4	7166.3	6972.0	6938.0
7.5°	7415.7	8052.2	8536.4	8708.1	8588.2	8209.3	7666.7	7057.8	6779.2	6717.7
10°	7347.7	8175.3	8886.2	9158.3	8991.5	8418.2	7678.1	6931.5	6588.1	6516.9
12.5°	7276.4	8191.4	8951.0	9344.5	9236.0	8586.6	7760.7	6848.9	6452.1	6350.1
15°	7328.3	8197.9	8871.6	9278.1	9347.8	8789.0	7896.7	6908.8	6424.6	6316.1
17.5°	7655.4	8321.0	8758.3	9087.0	9331.6	9064.4	8283.8	7195.5	6670.7	6536.3
20°	8338.8	8615.8	8823.1	9077.3	9470.9	9626.3	9075.7	7982.5	7362.3	7244.0
22.5°	10317.9	10267.6	9843.3	9838.5	10408.5	11032.1	10994.8	9582.6	8649.8	8552.6
25°	11059.6	10826.4	10212.6	10063.6	10314.6	11276.6	11137.3	9909.7	9048.2	8811.7
27.5°	10769.7	10191.5	9788.3	9754.3	9671.7	10580.2	10915.4	10042.5	9187.4	8957.5
30°	10751.9	9901.6	9325.1	9393.1	9472.5	10340.5	11038.5	10458.7	9543.7	9297.6
32.5°	10795.6	9942.1	9359.1	9372.1	9608.5	10376.2	11174.6	10912.2	10011.8	9765.6
35°	10972.1	10172.1	9576.1	9545.4	9914.6	10609.4	11406.2	11624.8	10651.5	10371.3
37.5°	11257.2	10630.4	9972.9	9964.8	10500.9	11030.4	11694.4	12343.9	11287.9	10986.7
40°	11676.6	11166.5	10679.0	10635.3	11297.7	11715.5	12068.5	13109.9	12028.0	11641.0
42.5°	12183.5	11809.4	11610.2	11783.5	12420.0	12484.7	12651.6	13817.6	12658.0	12207.8
45°	12653.2	12635.4	12912.3	13372.2	13743.1	13354.4	13260.5	14292.1	13147.1	12658.0
47.5°	13211.9	13694.5	14530.2	15203.9	15592.6	14366.6	13780.4	14601.4	13503.4	13053.2
50°	13778.7	14962.6	16297.1	17236.4	17319.0	15466.3	14138.3	14892.9	13827.3	13359.3
52.5°	14374.7	15974.8	17751.4	18842.9	18682.6	16423.4	14484.8	15090.5	14160.9	13749.6
55°	14892.9	16595.0	18564.4	19612.2	19377.4	17006.4	14858.9	15304.3	14637.1	14290.5
57.5°	15182.8	16646.9	18361.9	19276.9	19022.7	16893.0	15030.6	15463.0	14941.5	14669.5
58°	15224.9	16577.2	18182.2	19082.6	18823.5	16797.5	15029.0	15456.5	14961.0	14687.3
60°	15187.7	16125.4	17513.3	18315.0	18042.9	16198.3	14967.4	15335.1	14714.8	14483.2
62.5°	14842.7	15341.6	16358.6	16941.6	16863.9	15262.2	14714.8	14876.8	13965.0	13741.5
65°	14389.3	14272.7	14880.0	15293.0	15351.3	14561.0	14463.8	13885.6	13003.0	12687.2
67.5°	13838.7	13061.3	13059.7	13294.5	13391.7	13482.4	13940.7	12808.6	11616.7	11283.1
70°	12904.2	11194.0	10679.0	10955.9	10875.0	11641.0	13006.2	11296.0	9945.4	9555.1
72.5°	11190.8	8883.0	8058.6	8414.9	8210.9	9129.1	11380.2	9295.9	8223.8	7744.5
75°	9070.8	6644.8	5794.6	6121.7	5995.4	6925.0	9469.2	6751.7	5898.2	5715.2
77.5°	7043.2	4814.8	4320.8	4275.5	4369.4	5153.3	6946.0	4558.9	3888.4	3763.7
80°	4524.9	3446.3	3475.5	3417.2	3465.7	3248.7	4217.2	2908.6	2633.3	2532.9
82.5°	2978.3	2401.7	2863.3	2643.0	2510.2	2184.7	2766.1	1904.5	1616.3	1561.2
85°	2029.2	1768.5	1609.8	1230.8	1449.5	1682.7	2074.6	1025.1	813.0	736.9
87.5°	916.6	615.4	451.8	278.6	440.5	508.5	1007.3	119.8	92.3	95.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)