

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: P455568

Luminaire Tested: **GLAN-SA6D-730-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-730-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36012 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 368
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

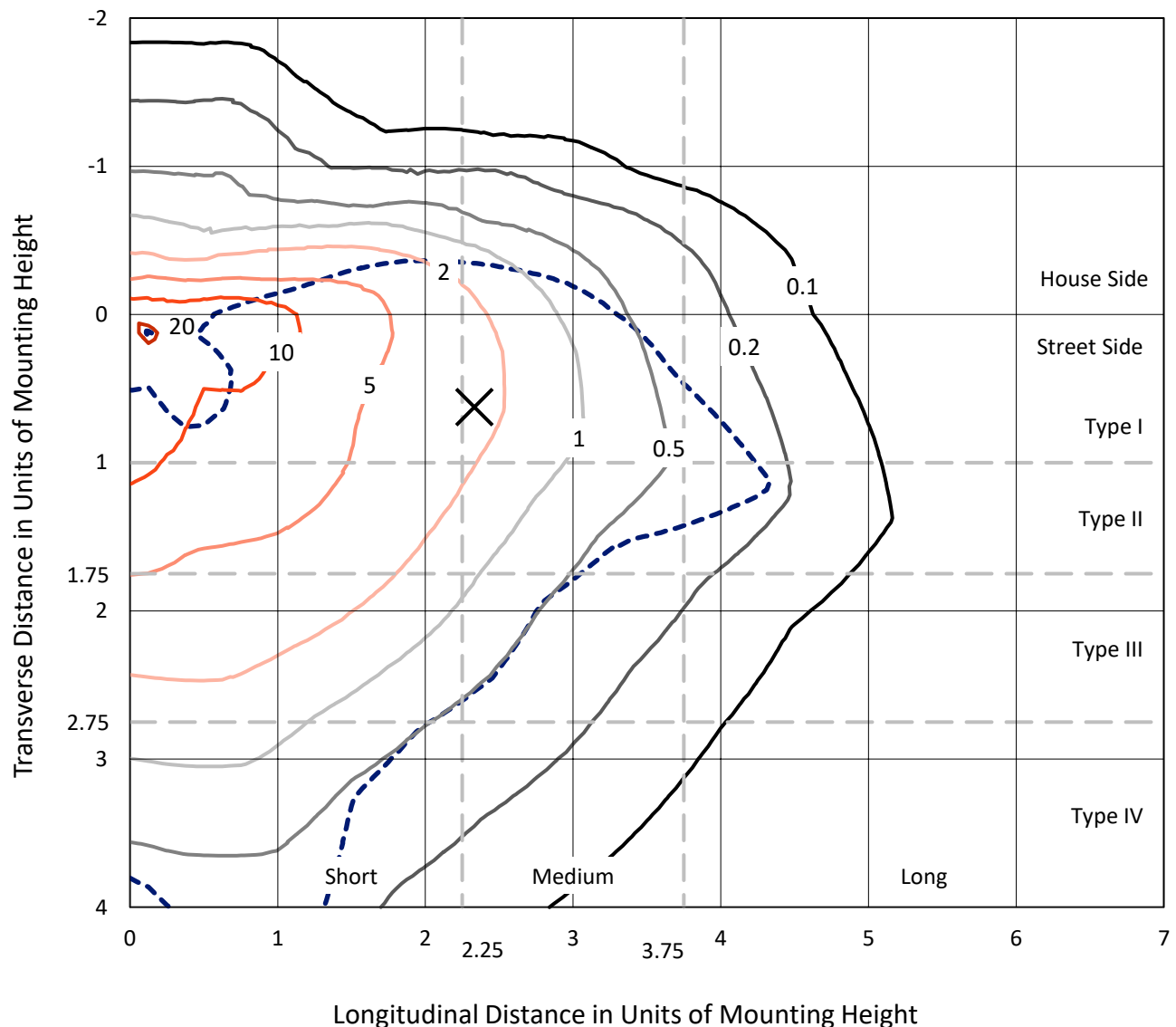


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Iso-Footcandle Lines of Horizontal Illumination

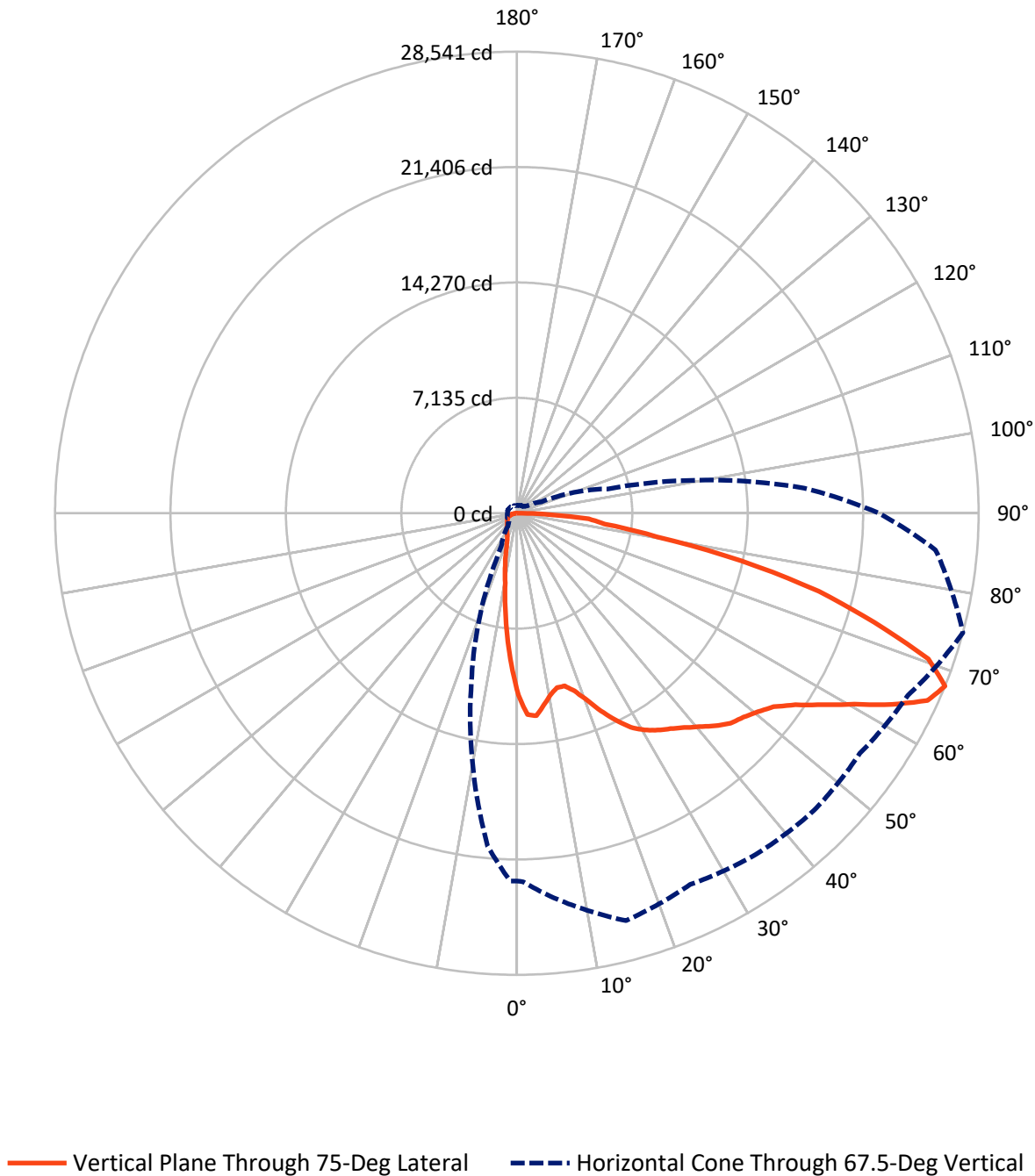
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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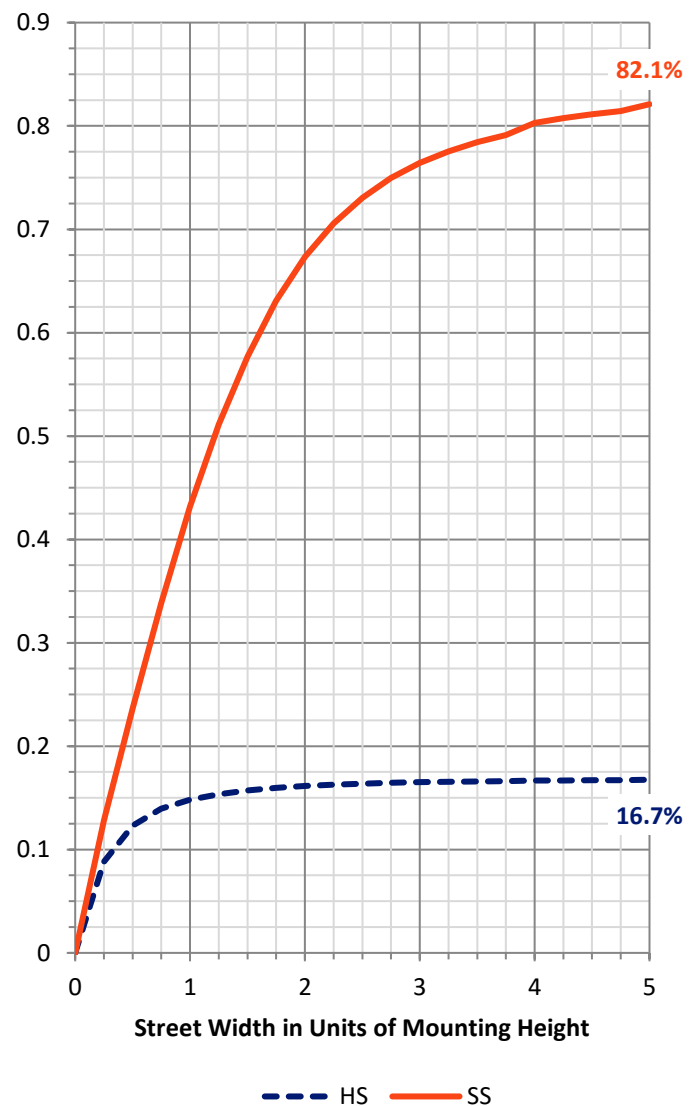
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6086.8	0.0	6086.8
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	29925.2	0.0	29925.2
	% Fixture	83.1	0.0	83.1
Total	Lumens	36012.0	0.0	36012.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	853.4	2.4
10°-20°	1779.7	4.9
20°-30°	2561.0	7.1
30°-40°	3688.6	10.2
40°-50°	5181.4	14.4
50°-60°	7226.3	20.1
60°-70°	8591.6	23.9
70°-80°	5060.0	14.1
80°-90°	1070.0	3.0
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°	36012.0	100.0
0°-180°	36012.0	100.0

Coefficient of Utilization



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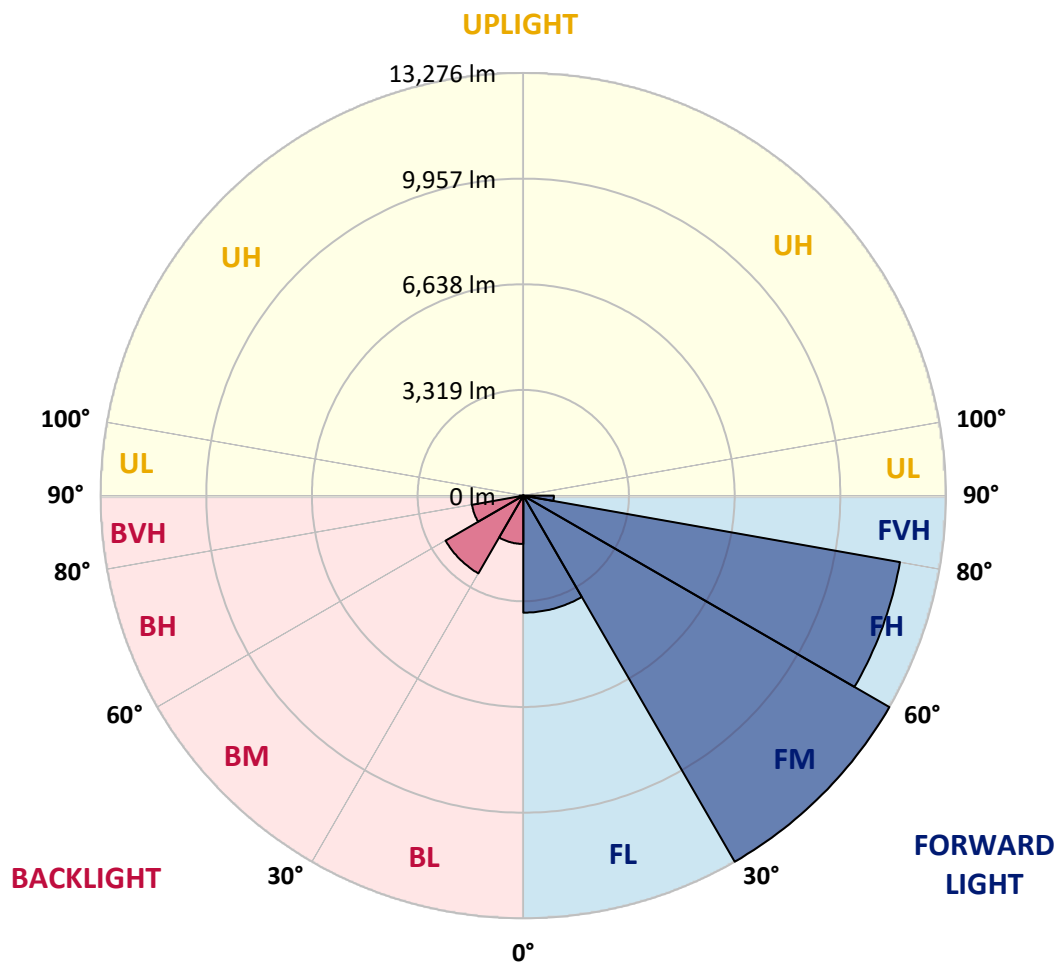
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3675.8	10.2			
FM	(30°-60°)	13276.3	36.9			
FH	(60°-80°)	12013.7	33.4			G5
FVH	(80°-90°)	959.3	2.7			G5
BL	(0°-30°)	1518.2	4.2	B3/2500		
BM	(30°-60°)	2820.0	7.8	B3/5000		
BH	(60°-80°)	1637.8	4.5	B3/2500		G3/2500
BVH	(80°-90°)	110.7	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0
2.5°	12130.9	12147.0	12250.9	12553.5	12761.3	12837.5	12890.6	12791.3	12694.3	12458.8	12103.1
5°	12093.9	12188.6	12458.8	13137.7	13673.5	13904.4	13973.7	13675.8	13183.9	12578.9	11851.4
7.5°	11387.3	11514.3	11929.9	13068.4	14012.9	14553.3	14481.7	13943.7	13056.9	11978.4	10962.3
10°	10549.0	10689.8	11191.0	12567.3	13784.3	14527.9	14527.9	13872.1	12694.3	11412.7	10241.8
12.5°	9883.9	10031.7	10604.4	12052.3	13308.6	14012.9	14130.7	13567.2	12433.4	11054.7	9768.4
15°	9664.5	9807.7	10424.3	11740.6	12805.2	13234.7	13274.0	13089.2	12306.4	11080.1	9747.6
17.5°	9937.0	10121.7	10745.3	11832.9	12343.3	12368.7	12398.7	12544.2	12320.2	11544.3	10167.9
20°	10724.5	10923.1	11574.3	12130.9	11939.2	11675.9	11692.1	12066.2	12484.2	12311.0	11172.5
22.5°	11860.7	12033.9	12701.3	12655.1	11768.3	11225.6	11112.4	11634.3	12726.7	13267.0	12241.7
25°	13086.9	13290.1	14056.8	13433.3	11816.8	10957.7	10886.1	11380.3	12978.4	14160.7	13477.2
27.5°	14491.0	14689.6	15294.6	14218.5	12070.8	10936.9	10851.5	11357.2	13204.7	14987.5	14657.2
30°	15534.8	15717.2	16128.3	14878.9	12382.6	11075.5	10969.3	11539.7	13398.7	15553.3	15807.3
32.5°	16354.6	16544.0	16768.0	15290.0	12793.6	11327.2	11130.9	11872.2	13652.7	15985.1	16659.4
35°	17209.0	17433.0	17416.9	15654.9	13177.0	11618.2	11426.5	12352.5	14052.2	16361.5	17740.2
37.5°	18292.1	18382.2	18266.7	15982.8	13636.5	12142.4	12036.2	13066.1	14620.3	16816.5	19003.4
40°	19391.3	19571.5	18978.0	16380.0	14195.4	13128.5	13116.9	14121.5	15294.6	17349.9	20227.3
42.5°	20333.6	20486.0	19643.1	16726.4	14872.0	14331.6	14419.4	15537.1	16179.1	17968.8	21211.1
45°	21042.5	21178.8	20257.3	17061.2	15763.4	15721.8	16239.1	17054.3	17294.5	18525.4	21788.4
47.5°	21645.2	21776.9	20684.6	17569.3	16865.0	17382.2	18282.9	18636.2	18248.2	18844.0	22435.0
50°	22153.3	22192.6	20977.9	18174.3	18232.1	19416.8	20289.7	20518.3	19190.4	19301.3	22996.2
52.5°	22682.1	22631.3	21483.6	18936.4	19710.0	21347.3	21982.4	22220.3	20093.4	19864.8	23813.7
55°	23866.8	23915.3	22617.5	19897.1	21204.2	23243.3	24079.3	23850.6	21093.3	20901.6	24852.9
57.5°	25298.6	25257.0	24213.2	21400.5	22726.0	25007.6	25631.1	25263.9	22428.1	22326.5	25905.9
60°	25855.1	25910.6	25548.0	23017.0	24227.1	26552.5	27189.9	26619.5	24028.5	23982.3	26700.3
62.5°	25296.3	25608.0	25852.8	24455.7	25506.4	27688.7	28321.5	27670.3	25698.1	26033.0	27256.9
65°	24183.2	24250.2	25083.8	25675.0	26123.0	27875.8	28206.0	27859.6	27092.9	27901.2	27231.5
67.5°	22737.6	22795.3	23772.1	26074.5	25328.6	25751.2	25982.1	25880.5	26661.1	28540.9	25977.5
70°	21361.2	21315.0	22347.3	25056.1	22049.4	21407.4	21599.1	21280.4	23005.4	26977.5	23518.1
72.5°	18682.4	18848.7	19957.1	22224.9	17458.4	16414.6	16832.6	16008.2	17694.0	23104.7	19088.8
75°	14634.2	14673.4	16523.2	18652.4	13170.0	11523.5	12089.3	11745.2	13553.4	19273.6	13181.6
77.5°	10133.3	10045.5	12033.9	14246.2	9392.0	8435.9	8445.2	8281.2	9463.6	14190.8	8955.5
80°	6436.1	6302.1	7533.0	8800.8	6454.5	6904.9	6678.5	6671.6	6161.3	8754.6	5415.4
82.5°	3477.8	3625.6	4759.5	5517.0	4630.2	5336.8	4891.1	4748.0	4228.4	5480.0	3464.0
85°	1584.2	1722.8	2537.9	3752.6	3517.1	3556.4	2376.3	2803.5	3498.6	4450.1	1849.8
87.5°	154.7	198.6	524.2	1771.2	1200.8	946.8	353.3	681.2	879.9	1581.9	147.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0
2.5°	11957.7	11837.6	11428.8	11091.7	10733.7	10461.2	10105.6	9867.7	9703.8	9456.7	9426.6
5°	11408.0	11114.8	10403.5	9678.4	9052.5	8581.4	8103.4	7664.6	7406.0	7325.2	7221.2
7.5°	10482.0	9987.8	9073.3	8242.0	7523.8	6821.7	6281.3	5898.0	5641.7	5491.6	5311.4
10°	9719.9	9147.2	8034.1	7015.7	6424.5	5988.1	5512.3	5101.3	4784.9	4514.7	4366.9
12.5°	9207.3	8560.6	7309.0	6482.3	6025.0	5560.8	5004.3	4542.4	4075.9	3768.8	3637.2
15°	9052.5	8369.0	7085.0	6216.7	5560.8	4953.5	4330.0	3727.2	3265.4	2974.4	2877.4
17.5°	9431.3	8604.5	7082.7	5863.4	5015.8	4290.7	3491.7	2925.9	2452.5	2235.4	2166.1
20°	10137.9	9057.1	7103.5	5514.7	4424.7	3403.9	2540.3	2076.1	1849.8	1757.4	1722.8
22.5°	11124.0	9747.6	7165.8	5170.6	3778.0	2614.1	1902.9	1667.3	1586.5	1570.3	1563.4
25°	12338.7	10602.1	7376.0	4861.1	3233.0	1995.3	1591.1	1484.9	1438.7	1422.5	1420.2
27.5°	13456.4	11705.9	7630.0	4595.5	2706.5	1720.4	1438.7	1348.6	1302.5	1300.1	1304.8
30°	14465.6	12629.7	7842.4	4297.6	2307.0	1528.8	1339.4	1249.3	1205.5	1203.2	1217.0
32.5°	15338.5	13389.4	7999.5	4004.4	2085.3	1411.0	1249.3	1152.4	1115.4	1108.5	1115.4
35°	16271.5	14146.9	7927.9	3775.7	1958.3	1314.0	1182.4	1087.7	1043.8	1023.0	1023.0
37.5°	17336.1	14927.4	7805.5	3586.4	1900.6	1233.2	1124.6	1032.3	988.4	967.6	965.3
40°	18497.6	15708.0	7636.9	3417.8	1842.8	1184.7	1085.4	988.4	935.3	914.5	909.9
42.5°	19523.0	16375.4	7498.4	3306.9	1748.2	1193.9	1050.7	956.1	889.1	861.4	859.1
45°	20414.4	17047.4	7473.0	3242.3	1669.6	1180.1	1041.5	930.7	852.1	822.1	817.5
47.5°	21111.8	17747.1	7618.4	3205.3	1584.2	1106.2	1101.5	914.5	819.8	787.5	782.9
50°	21961.6	18740.1	7951.0	3129.1	1505.7	1036.9	1163.9	912.2	794.4	752.8	741.3
52.5°	23093.2	20033.3	8401.3	2992.9	1392.5	972.2	1110.8	912.2	764.4	722.8	709.0
55°	24804.4	21682.2	8842.4	2801.2	1233.2	886.8	1002.2	884.5	720.5	683.6	674.3
57.5°	25938.3	22887.7	9124.1	2535.6	1034.6	824.4	863.7	840.6	676.6	637.4	637.4
60°	25996.0	23211.0	8990.2	2200.8	909.9	766.7	750.5	847.5	637.4	595.8	591.2
62.5°	25330.9	22418.9	8292.8	1900.6	842.9	704.3	678.9	743.6	598.1	556.5	549.6
65°	24291.7	20398.2	7082.7	1757.4	806.0	648.9	612.0	609.7	556.5	517.3	508.1
67.5°	22381.9	17825.6	5819.5	1674.3	787.5	586.6	551.9	540.4	508.1	475.7	471.1
70°	19566.9	14929.7	4667.1	1639.6	778.2	521.9	494.2	480.3	452.6	427.2	424.9
72.5°	15223.0	12110.1	3851.9	1616.5	773.6	461.9	431.8	413.4	397.2	374.1	374.1
75°	10934.6	8909.4	2939.8	1457.2	715.9	397.2	364.9	353.3	330.2	311.8	316.4
77.5°	6893.3	5999.6	1935.2	1071.5	554.2	318.7	291.0	284.0	265.6	240.2	256.3
80°	4655.6	4219.1	1129.3	674.3	348.7	233.2	224.0	221.7	200.9	173.2	175.5
82.5°	3168.4	3108.3	586.6	383.3	200.9	136.2	131.6	136.2	113.2	92.4	92.4
85°	1237.8	1690.4	277.1	150.1	64.7	20.8	30.0	32.3	18.5	9.2	11.5
87.5°	23.1	173.2	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0
2.5°	9380.5	9359.7	9394.3	9246.5	9276.5	9332.0	9359.7	9375.8	9604.5	9551.3	9696.8
5°	7318.2	7297.4	7431.4	7449.9	7519.1	7505.3	7572.3	7588.4	7671.6	7701.6	7904.8
7.5°	5323.0	5413.0	5565.5	5644.0	5761.8	5798.7	5764.1	5849.5	5676.3	5801.0	5838.0
10°	4276.9	4168.3	4103.7	4283.8	4306.9	4477.8	4408.5	4353.1	4454.7	4459.3	4556.3
12.5°	3561.0	3327.7	3173.0	3223.8	3279.2	3353.1	3364.7	3475.5	3549.4	3618.7	3676.4
15°	2792.0	2711.1	2570.3	2501.0	2579.5	2609.5	2681.1	2773.5	2852.0	2872.8	2951.3
17.5°	2143.0	2156.9	2133.8	2092.2	2140.7	2163.8	2168.5	2170.8	2191.5	2177.7	2293.2
20°	1725.1	1773.6	1831.3	1840.5	1856.7	1868.2	1847.5	1768.9	1771.2	1819.7	1856.7
22.5°	1561.1	1570.3	1635.0	1655.8	1706.6	1685.8	1625.8	1588.8	1584.2	1595.7	1614.2
25°	1431.8	1445.6	1491.8	1524.2	1563.4	1526.5	1482.6	1447.9	1443.3	1454.9	1473.3
27.5°	1316.3	1337.1	1378.7	1411.0	1447.9	1413.3	1371.7	1341.7	1339.4	1337.1	1348.6
30°	1223.9	1247.0	1277.1	1314.0	1339.4	1309.4	1270.1	1254.0	1251.7	1247.0	1251.7
32.5°	1131.6	1168.5	1198.5	1217.0	1242.4	1219.3	1189.3	1180.1	1163.9	1150.0	1143.1
35°	1027.6	1066.9	1113.1	1136.2	1161.6	1138.5	1117.7	1078.5	1050.7	1048.4	1053.0
37.5°	967.6	983.8	1020.7	1060.0	1085.4	1073.8	1034.6	995.3	988.4	988.4	993.0
40°	914.5	921.4	937.6	988.4	1034.6	999.9	951.4	939.9	939.9	937.6	939.9
42.5°	861.4	868.3	868.3	907.6	981.5	926.0	889.1	889.1	889.1	891.4	898.3
45°	812.9	815.2	812.9	840.6	909.9	863.7	838.3	845.2	849.8	854.4	859.1
47.5°	771.3	773.6	771.3	794.4	829.0	810.6	796.7	806.0	815.2	822.1	826.7
50°	734.4	732.1	736.7	750.5	766.7	771.3	762.1	775.9	780.5	789.8	801.3
52.5°	702.0	699.7	704.3	711.3	734.4	734.4	734.4	745.9	755.1	764.4	780.5
55°	665.1	667.4	674.3	683.6	713.6	709.0	711.3	720.5	729.7	743.6	752.8
57.5°	630.4	635.1	644.3	658.2	688.2	685.9	688.2	692.8	704.3	711.3	720.5
60°	591.2	600.4	612.0	621.2	651.2	648.9	660.5	669.7	676.6	676.6	681.2
62.5°	551.9	565.8	577.3	584.3	616.6	618.9	635.1	642.0	646.6	642.0	648.9
65°	512.7	533.5	538.1	547.3	579.6	581.9	600.4	616.6	612.0	607.4	618.9
67.5°	473.4	498.8	496.5	508.1	540.4	545.0	561.2	588.9	579.6	575.0	584.3
70°	429.5	448.0	450.3	457.2	501.1	494.2	519.6	545.0	538.1	540.4	540.4
72.5°	381.0	397.2	397.2	411.1	457.2	445.7	466.5	494.2	494.2	491.9	491.9
75°	323.3	332.5	341.8	362.6	411.1	397.2	411.1	436.5	441.1	436.5	436.5
77.5°	261.0	274.8	279.4	307.1	341.8	339.5	353.3	364.9	374.1	369.5	369.5
80°	184.7	198.6	217.1	247.1	267.9	274.8	281.7	291.0	295.6	295.6	300.2
82.5°	103.9	124.7	140.9	170.9	180.1	214.8	212.5	219.4	212.5	187.1	207.8
85°	23.1	43.9	62.4	78.5	90.1	124.7	131.6	147.8	122.4	113.2	113.2
87.5°	0.0	0.0	0.0	0.0	0.0	18.5	36.9	50.8	43.9	36.9	36.9
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°	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0	11251.0
2.5°	9819.2	10020.1	10262.6	10680.6	10973.9	11290.3	11608.9	11948.4	12038.5	12130.9
5°	7960.2	8355.1	8569.9	9131.0	9719.9	10468.1	11080.1	11749.8	12029.2	12093.9
7.5°	6029.6	6297.5	6861.0	7429.1	8158.8	8944.0	9881.6	10925.4	11251.0	11387.3
10°	4780.3	5145.2	5639.4	6249.0	6888.7	7733.9	8791.6	10010.9	10472.8	10549.0
12.5°	4069.0	4475.5	5013.5	5657.8	6262.9	6900.2	7967.1	9225.7	9719.9	9883.9
15°	3253.8	3745.7	4366.9	5045.9	5704.0	6401.4	7482.2	8902.4	9472.8	9664.5
17.5°	2556.4	2953.6	3625.6	4362.3	5142.9	6025.0	7380.6	9057.1	9759.2	9937.0
20°	1956.0	2240.0	2805.8	3584.1	4498.6	5653.2	7406.0	9641.4	10482.0	10724.5
22.5°	1690.4	1835.9	2180.0	2921.3	3944.3	5329.9	7509.9	10442.7	11456.5	11860.7
25°	1531.1	1607.3	1801.3	2286.2	3415.5	5015.8	7747.8	11521.2	12819.0	13086.9
27.5°	1394.8	1450.3	1570.3	1919.0	2935.1	4724.9	8024.9	12717.4	14091.5	14491.0
30°	1265.5	1339.4	1452.6	1704.3	2628.0	4459.3	8373.6	13687.3	15163.0	15534.8
32.5°	1166.2	1240.1	1344.0	1554.2	2367.1	4179.9	8581.4	14539.5	16038.2	16354.6
35°	1085.4	1147.7	1256.3	1434.1	2168.5	3967.4	8539.9	15216.1	16885.7	17209.0
37.5°	1027.6	1080.8	1189.3	1320.9	2018.3	3745.7	8519.1	16109.8	17918.0	18292.1
40°	974.5	1030.0	1129.3	1247.0	1868.2	3484.8	8530.6	16996.6	19017.2	19391.3
42.5°	933.0	995.3	1076.1	1226.2	1713.5	3274.6	8530.6	17767.9	19973.3	20333.6
45°	898.3	965.3	1043.8	1223.9	1591.1	3115.3	8472.9	18430.7	20735.4	21042.5
47.5°	868.3	942.2	1055.4	1182.4	1561.1	2999.8	8422.1	18961.8	21356.6	21645.2
50°	847.5	935.3	1122.3	1133.9	1570.3	2965.2	8666.9	19631.5	21903.9	22153.3
52.5°	831.4	937.6	1120.0	1062.3	1554.2	2988.3	9177.2	20677.6	22663.7	22682.1
55°	799.0	935.3	1062.3	981.5	1487.2	3027.5	9833.1	22197.2	23853.0	23866.8
57.5°	766.7	909.9	986.1	912.2	1351.0	3027.5	10622.9	23635.9	25287.0	25298.6
60°	734.4	946.8	866.0	852.1	1173.1	2972.1	11456.5	24268.6	25737.4	25855.1
62.5°	702.0	953.7	773.6	799.0	1043.8	2838.2	12077.7	23568.9	25127.7	25296.3
65°	665.1	769.0	713.6	743.6	976.8	2614.1	11881.4	22287.2	23982.3	24183.2
67.5°	621.2	651.2	648.9	685.9	953.7	2283.9	10846.9	20666.1	22749.1	22737.6
70°	568.1	584.3	591.2	630.4	909.9	2027.6	9038.7	18562.3	21102.6	21361.2
72.5°	512.7	526.5	533.5	568.1	866.0	1882.1	7015.7	15664.1	18278.3	18682.4
75°	452.6	461.9	471.1	501.1	819.8	1667.3	4997.4	11957.7	13999.1	14634.2
77.5°	390.3	390.3	401.8	431.8	690.5	1376.4	3353.1	8387.4	9484.4	10133.3
80°	316.4	318.7	314.1	346.4	508.1	942.2	1905.2	5602.4	6311.4	6436.1
82.5°	242.5	235.6	237.9	254.0	378.7	642.0	1016.1	3480.1	3547.1	3477.8
85°	152.4	152.4	147.8	166.3	242.5	334.9	554.2	2131.5	1665.0	1584.2
87.5°	62.4	50.8	57.7	67.0	115.5	136.2	217.1	438.8	168.6	154.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)