

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: P459193

Luminaire Tested: **GLAN-SA6D-735-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459193
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-735-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 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: 36835 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

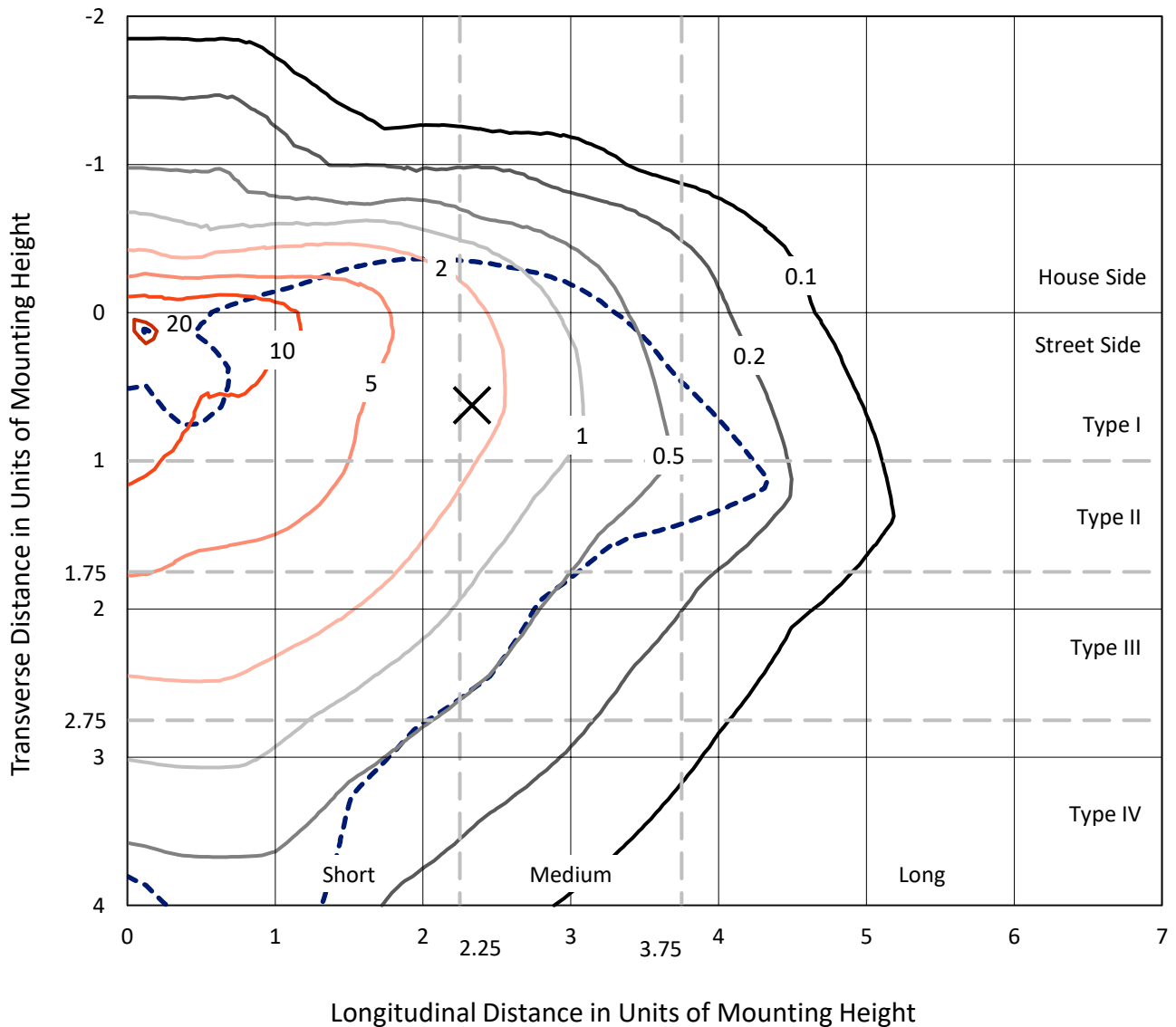
Input Watts (W): 368
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

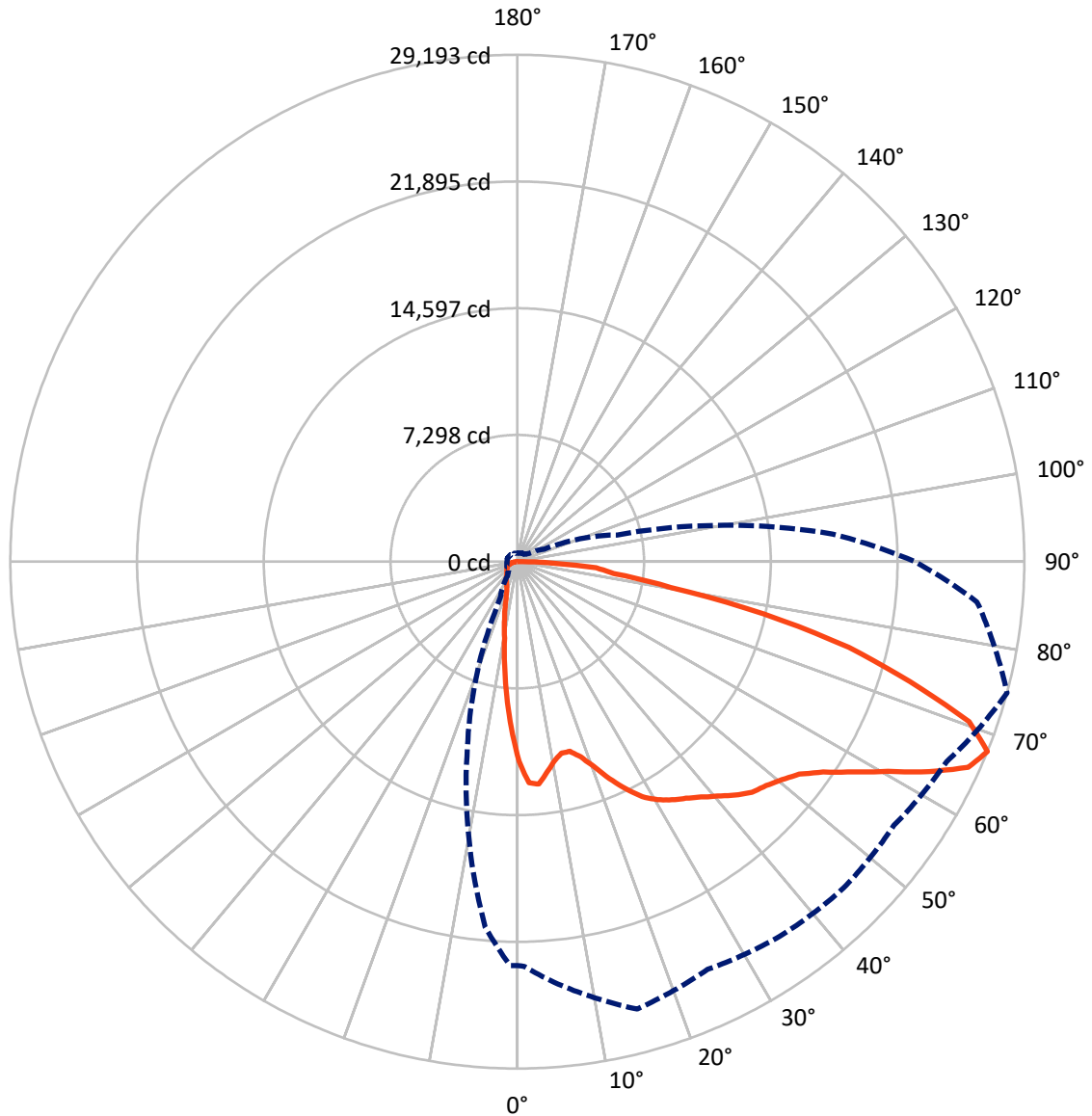
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6225.9	0.0	6225.9
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	30609.1	0.0	30609.1
	% Fixture	83.1	0.0	83.1
Total	Lumens	36835.0	0.0	36835.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	872.9	2.4
10°-20°	1820.4	4.9
20°-30°	2619.6	7.1
30°-40°	3772.9	10.2
40°-50°	5299.9	14.4
50°-60°	7391.4	20.1
60°-70°	8788.0	23.9
70°-80°	5175.6	14.1
80°-90°	1094.5	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°	36835.0	100.0
0°-180°	36835.0	100.0

Coefficient of Utilization



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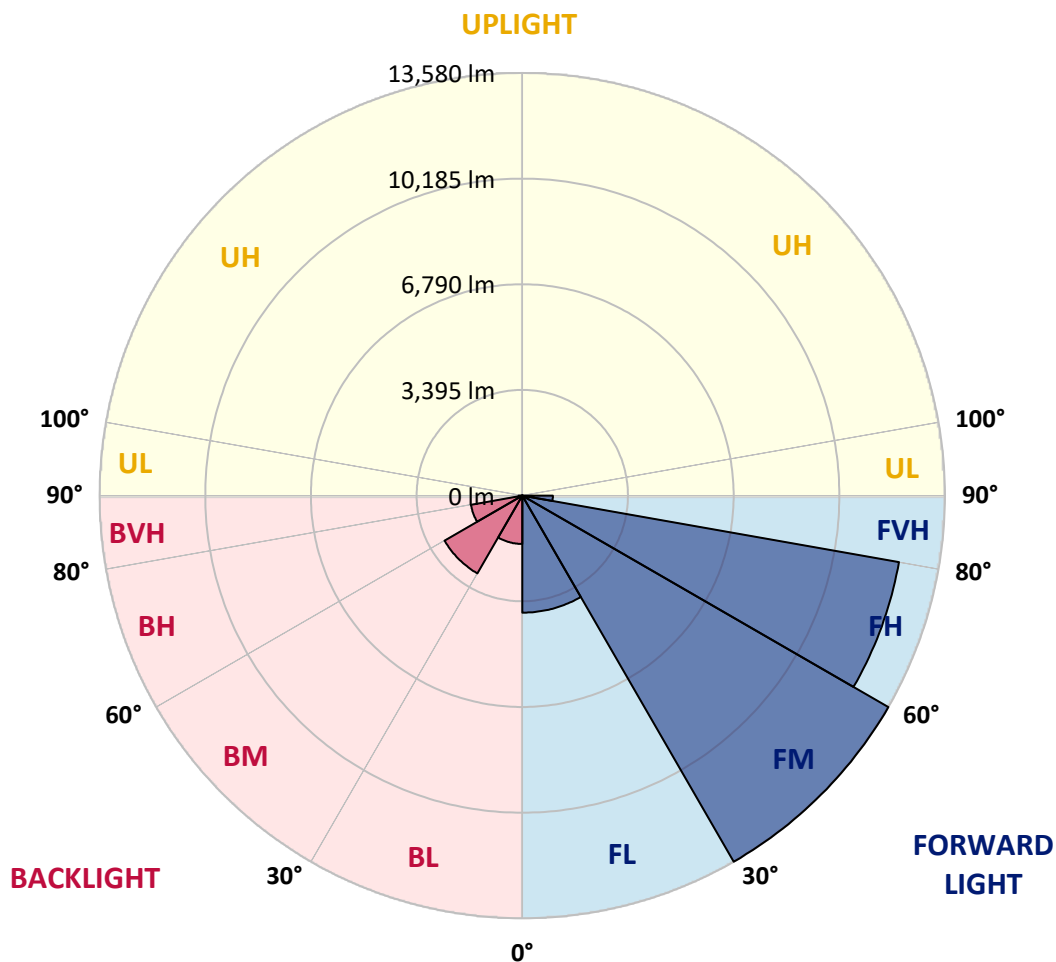
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3759.9	10.2			
FM	(30°-60°)	13579.7	36.9			
FH	(60°-80°)	12288.3	33.4			G5
FVH	(80°-90°)	981.2	2.7			G5
BL	(0°-30°)	1552.9	4.2	B3/2500		
BM	(30°-60°)	2884.5	7.8	B3/5000		
BH	(60°-80°)	1675.3	4.5	B3/2500		G3/2500
BVH	(80°-90°)	113.2	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°	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1
2.5°	12408.1	12424.6	12530.9	12840.3	13052.9	13130.9	13185.2	13083.6	12984.4	12743.5	12379.7
5°	12370.3	12467.1	12743.5	13438.0	13986.0	14222.2	14293.0	13988.3	13485.2	12866.3	12122.3
7.5°	11647.5	11777.4	12202.6	13367.1	14333.2	14885.9	14812.7	14262.3	13355.3	12252.2	11212.9
10°	10790.0	10934.1	11446.7	12854.5	14099.3	14859.9	14859.9	14189.1	12984.4	11673.5	10475.9
12.5°	10109.8	10260.9	10846.7	12327.8	13612.8	14333.2	14453.7	13877.3	12717.5	11307.3	9991.7
15°	9885.4	10031.8	10662.5	12008.9	13097.8	13537.2	13577.3	13388.4	12587.6	11333.3	9970.4
17.5°	10164.1	10353.1	10990.8	12103.4	12625.4	12651.4	12682.1	12830.9	12601.8	11808.1	10400.3
20°	10969.6	11172.7	11838.8	12408.1	12212.0	11942.8	11959.3	12341.9	12769.5	12592.3	11427.8
22.5°	12131.7	12308.9	12991.5	12944.3	12037.2	11482.1	11366.4	11900.2	13017.5	13570.2	12521.5
25°	13386.0	13593.9	14378.1	13740.3	12086.8	11208.1	11134.9	11640.4	13275.0	14484.4	13785.2
27.5°	14822.1	15025.3	15644.2	14543.4	12346.7	11186.9	11099.5	11616.8	13506.5	15330.0	14992.2
30°	15889.8	16076.4	16496.9	15219.0	12665.6	11328.6	11220.0	11803.4	13704.9	15908.7	16168.5
32.5°	16728.4	16922.0	17151.2	15639.4	13086.0	11586.1	11385.3	12143.5	13964.7	16350.4	17040.2
35°	17602.3	17831.5	17814.9	16012.6	13478.1	11883.7	11687.6	12634.8	14373.3	16735.4	18145.6
37.5°	18710.2	18802.3	18684.2	16348.1	13948.2	12419.9	12311.2	13364.7	14954.4	17200.8	19437.7
40°	19834.5	20018.8	19411.7	16754.3	14519.8	13428.5	13416.7	14444.2	15644.2	17746.4	20689.6
42.5°	20798.2	20954.1	20092.0	17108.7	15211.9	14659.2	14748.9	15892.2	16548.8	18379.5	21695.8
45°	21523.4	21662.8	20720.3	17451.2	16123.7	16081.1	16610.3	17444.1	17689.7	18948.7	22286.4
47.5°	22139.9	22274.6	21157.3	17970.8	17250.4	17779.5	18700.7	19062.1	18665.3	19274.7	22947.8
50°	22659.6	22699.7	21457.3	18589.7	18648.7	19860.5	20753.4	20987.2	19629.0	19742.4	23521.7
52.5°	23200.5	23148.5	21974.6	19369.2	20160.5	21835.2	22484.8	22728.1	20552.6	20318.7	24357.9
55°	24412.2	24461.9	23134.4	20351.8	21688.8	23774.5	24629.6	24395.7	21575.4	21379.3	25420.9
57.5°	25876.7	25834.2	24766.6	21889.5	23245.4	25579.1	26216.9	25841.3	22940.7	22836.7	26498.0
60°	26446.0	26502.7	26131.9	23543.0	24780.7	27159.4	27811.3	27227.9	24577.6	24530.4	27310.5
62.5°	25874.4	26193.3	26443.7	25014.6	26089.3	28321.5	28968.7	28302.6	26285.4	26627.9	27879.8
65°	24735.9	24804.4	25657.1	26261.8	26720.0	28512.8	28850.6	28496.3	27712.1	28538.8	27853.8
67.5°	23257.2	23316.2	24315.4	26670.4	25907.5	26339.7	26575.9	26472.0	27270.4	29193.1	26571.2
70°	21849.4	21802.1	22858.0	25628.7	22553.3	21896.6	22092.7	21766.7	23531.2	27594.0	24055.6
72.5°	19109.3	19279.4	20413.2	22732.8	17857.4	16789.8	17217.3	16374.0	18098.4	23632.8	19525.1
75°	14968.6	15008.8	16900.8	19078.6	13471.0	11786.9	12365.6	12013.6	13863.1	19714.0	13482.8
77.5°	10364.9	10275.1	12308.9	14571.8	9606.6	8628.7	8638.2	8470.5	9679.9	14515.1	9160.2
80°	6583.2	6446.2	7705.2	9001.9	6602.1	7062.7	6831.2	6824.1	6302.1	8954.7	5539.1
82.5°	3557.3	3708.5	4868.3	5643.0	4736.0	5458.8	5002.9	4856.5	4325.0	5605.3	3543.1
85°	1620.4	1762.1	2595.9	3838.4	3597.5	3637.6	2430.6	2867.6	3578.6	4551.8	1892.0
87.5°	158.3	203.1	536.2	1811.7	1228.3	968.5	361.4	696.8	900.0	1618.0	151.2
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°	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1
2.5°	12230.9	12108.1	11690.0	11345.1	10979.0	10700.3	10336.5	10093.2	9925.5	9672.8	9642.1
5°	11668.7	11368.8	10641.2	9899.5	9259.4	8777.5	8288.6	7839.8	7575.2	7492.6	7386.3
7.5°	10721.5	10216.1	9280.7	8430.3	7695.7	6977.6	6424.9	6032.8	5770.6	5617.1	5432.8
10°	9942.1	9356.3	8217.7	7176.0	6571.3	6124.9	5638.3	5217.9	4894.3	4617.9	4466.7
12.5°	9417.7	8756.3	7476.0	6630.4	6162.7	5687.9	5118.7	4646.2	4169.1	3854.9	3720.3
15°	9259.4	8560.2	7246.9	6358.8	5687.9	5066.7	4428.9	3812.4	3340.0	3042.4	2943.2
17.5°	9646.8	8801.2	7244.5	5997.4	5130.5	4388.8	3571.5	2992.8	2508.5	2286.5	2215.6
20°	10369.6	9264.1	7265.8	5640.7	4525.8	3481.7	2598.3	2123.5	1892.0	1797.6	1762.1
22.5°	11378.2	9970.4	7329.6	5288.7	3864.4	2673.9	1946.4	1705.4	1622.8	1606.2	1599.1
25°	12620.7	10844.4	7544.5	4972.2	3306.9	2040.8	1627.5	1518.8	1471.6	1455.1	1452.7
27.5°	13763.9	11973.5	7804.4	4700.6	2768.4	1759.8	1471.6	1379.5	1332.2	1329.9	1334.6
30°	14796.2	12918.3	8021.7	4395.9	2359.7	1563.7	1370.0	1277.9	1233.0	1230.7	1244.8
32.5°	15689.0	13695.4	8182.3	4095.9	2133.0	1443.2	1277.9	1178.7	1140.9	1133.8	1140.9
35°	16643.3	14470.2	8109.1	3862.0	2003.1	1344.0	1209.4	1112.5	1067.7	1046.4	1046.4
37.5°	17732.2	15268.6	7983.9	3668.3	1944.0	1261.4	1150.3	1055.9	1011.0	989.7	987.4
40°	18920.4	16067.0	7811.4	3495.9	1885.0	1211.8	1110.2	1011.0	956.6	935.4	930.7
42.5°	19969.1	16749.6	7669.7	3382.5	1788.1	1221.2	1074.8	977.9	909.4	881.1	878.7
45°	20880.9	17437.0	7643.7	3316.4	1707.8	1207.0	1065.3	951.9	871.6	840.9	836.2
47.5°	21594.3	18152.7	7792.6	3278.6	1620.4	1131.4	1126.7	935.4	838.5	805.5	800.8
50°	22463.5	19168.4	8132.7	3200.6	1540.1	1060.6	1190.5	933.0	812.6	770.0	758.2
52.5°	23620.9	20491.2	8593.3	3061.3	1424.3	994.4	1136.2	933.0	781.9	739.3	725.2
55°	25371.3	22177.7	9044.5	2865.2	1261.4	907.0	1025.1	904.7	737.0	699.2	689.7
57.5°	26531.0	23410.7	9332.6	2593.6	1058.2	843.3	883.4	859.8	692.1	651.9	651.9
60°	26590.1	23741.4	9195.6	2251.1	930.7	784.2	767.7	866.9	651.9	609.4	604.7
62.5°	25909.8	22931.2	8482.3	1944.0	862.2	720.4	694.5	760.6	611.8	569.3	562.2
65°	24846.9	20864.4	7244.5	1797.6	824.4	663.7	626.0	623.6	569.3	529.1	519.7
67.5°	22893.4	18233.0	5952.5	1712.5	805.5	600.0	564.5	552.7	519.7	486.6	481.9
70°	20014.0	15270.9	4773.8	1677.1	796.0	533.8	505.5	491.3	463.0	437.0	434.6
72.5°	15570.9	12386.8	3940.0	1653.5	791.3	472.4	441.7	422.8	406.3	382.7	382.7
75°	11184.5	9113.0	3006.9	1490.5	732.2	406.3	373.2	361.4	337.8	318.9	323.6
77.5°	7050.9	6136.7	1979.4	1096.0	566.9	326.0	297.6	290.5	271.6	245.7	262.2
80°	4762.0	4315.5	1155.1	689.7	356.7	238.6	229.1	226.8	205.5	177.2	179.5
82.5°	3240.8	3179.4	600.0	392.1	205.5	139.4	134.6	139.4	115.7	94.5	94.5
85°	1266.1	1729.1	283.5	153.5	66.1	21.3	30.7	33.1	18.9	9.4	11.8
87.5°	23.6	177.2	7.1	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°	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1
2.5°	9594.8	9573.6	9609.0	9457.8	9488.5	9545.2	9573.6	9590.1	9824.0	9769.6	9918.4
5°	7485.5	7464.2	7601.2	7620.1	7691.0	7676.8	7745.3	7761.8	7846.9	7877.6	8085.5
7.5°	5444.6	5536.8	5692.6	5773.0	5893.4	5931.2	5895.8	5983.2	5806.0	5933.6	5971.4
10°	4374.6	4263.6	4197.4	4381.7	4405.3	4580.1	4509.2	4452.5	4556.5	4561.2	4660.4
12.5°	3642.4	3403.8	3245.5	3297.5	3354.2	3429.8	3441.6	3555.0	3630.5	3701.4	3760.5
15°	2855.8	2773.1	2629.0	2558.1	2638.5	2669.2	2742.4	2836.9	2917.2	2938.4	3018.8
17.5°	2192.0	2206.2	2182.6	2140.1	2189.7	2213.3	2218.0	2220.4	2241.6	2227.5	2345.6
20°	1764.5	1814.1	1873.1	1882.6	1899.1	1910.9	1889.7	1809.4	1811.7	1861.3	1899.1
22.5°	1596.8	1606.2	1672.4	1693.6	1745.6	1724.3	1662.9	1625.1	1620.4	1632.2	1651.1
25°	1464.5	1478.7	1525.9	1559.0	1599.1	1561.3	1516.5	1481.0	1476.3	1488.1	1507.0
27.5°	1346.4	1367.7	1410.2	1443.2	1481.0	1445.6	1403.1	1372.4	1370.0	1367.7	1379.5
30°	1251.9	1275.5	1306.2	1344.0	1370.0	1339.3	1299.2	1282.6	1280.3	1275.5	1280.3
32.5°	1157.4	1195.2	1225.9	1244.8	1270.8	1247.2	1216.5	1207.0	1190.5	1176.3	1169.2
35°	1051.1	1091.3	1138.5	1162.2	1188.1	1164.5	1143.3	1103.1	1074.8	1072.4	1077.1
37.5°	989.7	1006.3	1044.0	1084.2	1110.2	1098.4	1058.2	1018.1	1011.0	1011.0	1015.7
40°	935.4	942.5	959.0	1011.0	1058.2	1022.8	973.2	961.4	961.4	959.0	961.4
42.5°	881.1	888.1	888.1	928.3	1003.9	947.2	909.4	909.4	909.4	911.8	918.9
45°	831.5	833.8	831.5	859.8	930.7	883.4	857.4	864.5	869.3	874.0	878.7
47.5°	788.9	791.3	788.9	812.6	848.0	829.1	814.9	824.4	833.8	840.9	845.6
50°	751.1	748.8	753.5	767.7	784.2	788.9	779.5	793.7	798.4	807.8	819.6
52.5°	718.1	715.7	720.4	727.5	751.1	751.1	751.1	763.0	772.4	781.9	798.4
55°	680.3	682.6	689.7	699.2	729.9	725.2	727.5	737.0	746.4	760.6	770.0
57.5°	644.9	649.6	659.0	673.2	703.9	701.5	703.9	708.6	720.4	727.5	737.0
60°	604.7	614.1	626.0	635.4	666.1	663.7	675.6	685.0	692.1	692.1	696.8
62.5°	564.5	578.7	590.5	597.6	630.7	633.0	649.6	656.7	661.4	656.7	663.7
65°	524.4	545.6	550.4	559.8	592.9	595.2	614.1	630.7	626.0	621.2	633.0
67.5°	484.2	510.2	507.9	519.7	552.7	557.5	574.0	602.3	592.9	588.2	597.6
70°	439.3	458.2	460.6	467.7	512.6	505.5	531.5	557.5	550.4	552.7	552.7
72.5°	389.7	406.3	406.3	420.5	467.7	455.9	477.1	505.5	505.5	503.1	503.1
75°	330.7	340.1	349.6	370.8	420.5	406.3	420.5	446.4	451.2	446.4	446.4
77.5°	266.9	281.1	285.8	314.2	349.6	347.2	361.4	373.2	382.7	377.9	377.9
80°	189.0	203.1	222.0	252.7	274.0	281.1	288.2	297.6	302.3	302.3	307.1
82.5°	106.3	127.6	144.1	174.8	184.2	219.7	217.3	224.4	217.3	191.3	212.6
85°	23.6	44.9	63.8	80.3	92.1	127.6	134.6	151.2	125.2	115.7	115.7
87.5°	0.0	0.0	0.0	0.0	0.0	18.9	37.8	52.0	44.9	37.8	37.8
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°	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1	11508.1
2.5°	10043.6	10249.1	10497.1	10924.7	11224.7	11548.3	11874.3	12221.5	12313.6	12408.1
5°	8142.1	8546.1	8765.7	9339.7	9942.1	10707.4	11333.3	12018.3	12304.2	12370.3
7.5°	6167.4	6441.4	7017.8	7598.9	8345.3	9148.4	10107.4	11175.1	11508.1	11647.5
10°	4889.5	5262.7	5768.2	6391.8	7046.1	7910.7	8992.5	10239.7	10712.1	10790.0
12.5°	4162.0	4577.7	5128.1	5787.1	6406.0	7057.9	8149.2	9436.6	9942.1	10109.8
15°	3328.2	3831.3	4466.7	5161.2	5834.4	6547.7	7653.2	9105.9	9689.3	9885.4
17.5°	2614.8	3021.1	3708.5	4462.0	5260.4	6162.7	7549.3	9264.1	9982.2	10164.1
20°	2000.7	2291.2	2869.9	3666.0	4601.4	5782.4	7575.2	9861.7	10721.5	10969.6
22.5°	1729.1	1877.9	2229.8	2988.0	4034.5	5451.7	7681.5	10681.4	11718.4	12131.7
25°	1566.1	1644.0	1842.4	2338.5	3493.5	5130.5	7924.8	11784.5	13112.0	13386.0
27.5°	1426.7	1483.4	1606.2	1962.9	3002.2	4832.8	8208.3	13008.1	14413.5	14822.1
30°	1294.4	1370.0	1485.8	1743.2	2688.1	4561.2	8565.0	14000.1	15509.5	15889.8
32.5°	1192.9	1268.4	1374.7	1589.7	2421.1	4275.4	8777.5	14871.7	16404.7	16728.4
35°	1110.2	1174.0	1285.0	1466.9	2218.0	4058.1	8735.0	15563.8	17271.6	17602.3
37.5°	1051.1	1105.5	1216.5	1351.1	2064.5	3831.3	8713.8	16478.0	18327.5	18710.2
40°	996.8	1053.5	1155.1	1275.5	1910.9	3564.4	8725.6	17385.0	19451.9	19834.5
42.5°	954.3	1018.1	1100.7	1254.3	1752.7	3349.5	8725.6	18174.0	20429.8	20798.2
45°	918.9	987.4	1067.7	1251.9	1627.5	3186.5	8666.5	18851.9	21209.2	21523.4
47.5°	888.1	963.7	1079.5	1209.4	1596.8	3068.4	8614.6	19395.2	21844.7	22139.9
50°	866.9	956.6	1148.0	1159.8	1606.2	3032.9	8864.9	20080.2	22404.5	22659.6
52.5°	850.4	959.0	1145.6	1086.6	1589.7	3056.6	9387.0	21150.2	23181.6	23200.5
55°	817.3	956.6	1086.6	1003.9	1521.2	3096.7	10057.8	22704.5	24398.1	24412.2
57.5°	784.2	930.7	1008.6	933.0	1381.8	3096.7	10865.6	24176.0	25864.9	25876.7
60°	751.1	968.5	885.8	871.6	1199.9	3040.0	11718.4	24823.3	26325.5	26446.0
62.5°	718.1	975.5	791.3	817.3	1067.7	2903.0	12353.8	24107.5	25702.0	25874.4
65°	680.3	786.6	729.9	760.6	999.2	2673.9	12153.0	22796.6	24530.4	24735.9
67.5°	635.4	666.1	663.7	701.5	975.5	2336.1	11094.8	21138.4	23269.0	23257.2
70°	581.1	597.6	604.7	644.9	930.7	2073.9	9245.2	18986.5	21584.8	21849.4
72.5°	524.4	538.6	545.6	581.1	885.8	1925.1	7176.0	16022.1	18696.0	19109.3
75°	463.0	472.4	481.9	512.6	838.5	1705.4	5111.6	12230.9	14319.0	14968.6
77.5°	399.2	399.2	411.0	441.7	706.3	1407.8	3429.8	8579.1	9701.1	10364.9
80°	323.6	326.0	321.2	354.3	519.7	963.7	1948.7	5730.4	6455.6	6583.2
82.5°	248.0	240.9	243.3	259.8	387.4	656.7	1039.3	3559.7	3628.2	3557.3
85°	155.9	155.9	151.2	170.1	248.0	342.5	566.9	2180.2	1703.1	1620.4
87.5°	63.8	52.0	59.1	68.5	118.1	139.4	222.0	448.8	172.4	158.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)