

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: P454119

Luminaire Tested: **GLAN-SA5B-722-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15044 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 204
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

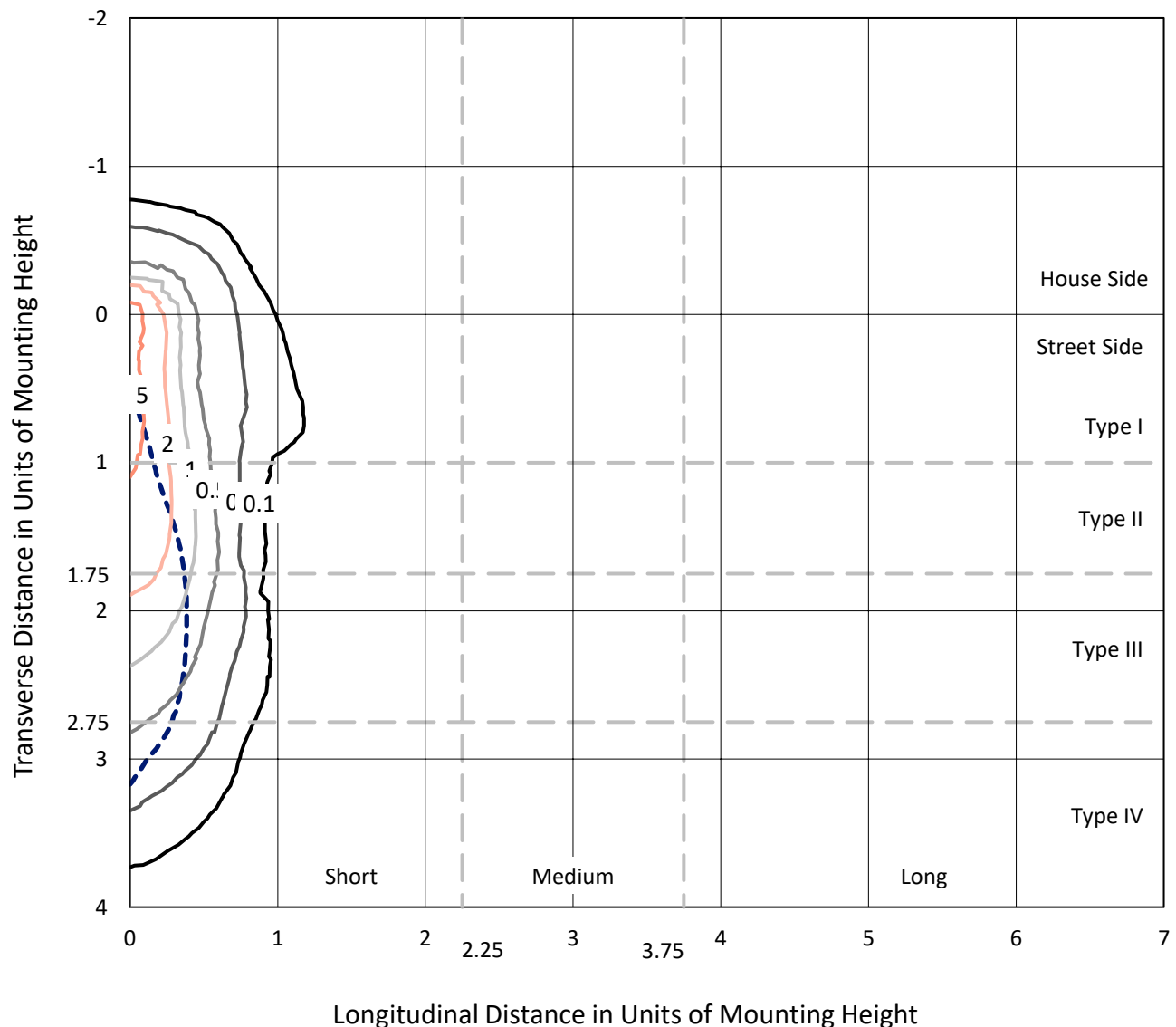


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

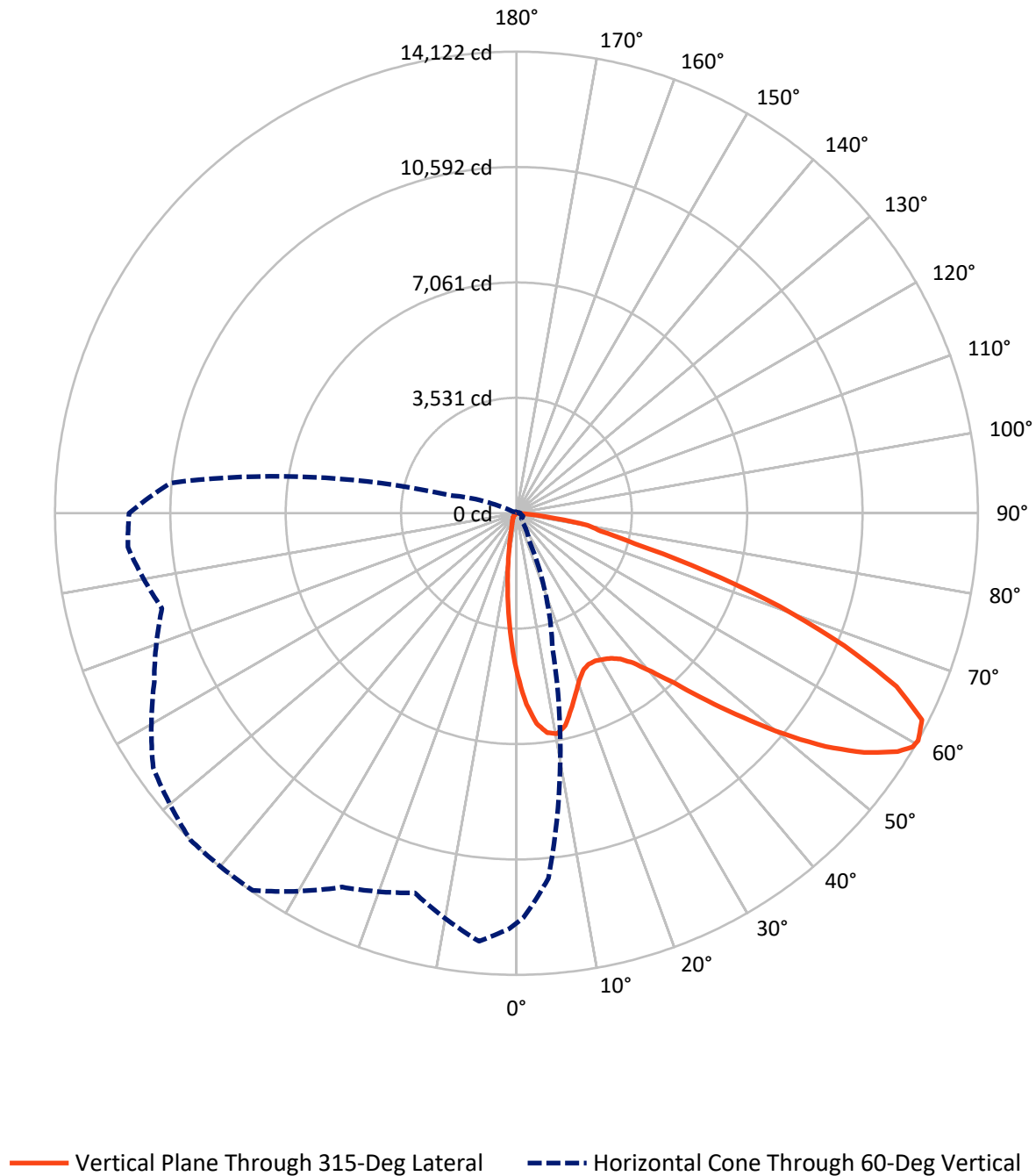


Based on 25 foot mounting height. Maximum calculated value = 8 fc

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	1855.5	0.0	1855.5
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	13188.5	0.0	13188.5
	% Fixture	87.7	0.0	87.7
Total	Lumens	15044.0	0.0	15044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.8	2.5
10°-20°	734.5	4.9
20°-30°	1076.9	7.2
30°-40°	1601.6	10.6
40°-50°	2330.8	15.5
50°-60°	3361.2	22.3
60°-70°	3696.9	24.6
70°-80°	1655.9	11.0
80°-90°	216.4	1.4
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°	15044.0	100.0
0°-180°	15044.0	100.0

Coefficient of Utilization



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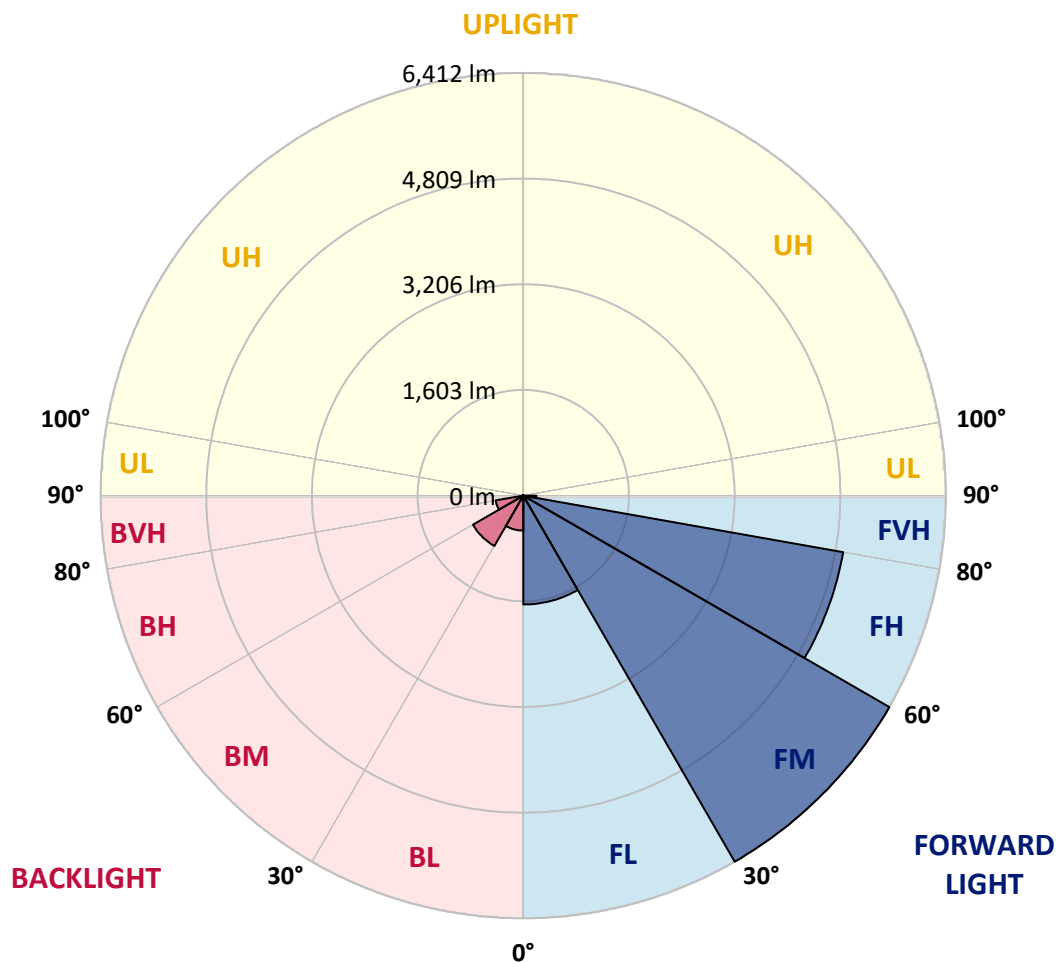
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1651.0	11.0			
FM	(30°-60°)	6412.2	42.6			
FH	(60°-80°)	4927.4	32.8			G2/5000
FVH	(80°-90°)	197.9	1.3			G2/225
BL	(0°-30°)	530.2	3.5	B2/1000		
BM	(30°-60°)	881.3	5.9	B1/1000		
BH	(60°-80°)	425.5	2.8	B1/500		G1/500
BVH	(80°-90°)	18.5	0.1			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°	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3
2.5°	5466.3	5442.3	5387.4	5220.4	5075.2	4885.3	4693.2	4542.3	4449.6	4279.3	4201.5
5°	5295.9	5307.3	5148.4	4805.3	4423.3	4162.6	3877.9	3651.4	3402.1	3244.3	3078.5
7.5°	4851.0	4828.2	4655.5	4177.5	3713.2	3335.8	2975.6	2682.8	2498.7	2351.2	2227.7
10°	4470.2	4453.1	4232.4	3617.1	3118.5	2836.1	2592.5	2336.3	2138.5	1922.3	1749.7
12.5°	4231.2	4192.3	3938.5	3295.8	2889.8	2626.8	2361.5	2095.0	1821.7	1603.3	1394.0
15°	4151.2	4095.1	3812.7	3184.9	2743.4	2409.5	2076.7	1770.3	1455.8	1214.5	1056.7
17.5°	4296.4	4203.8	3903.0	3165.4	2568.5	2125.9	1716.5	1317.4	990.3	806.2	709.0
20°	4629.2	4522.8	4131.7	3146.0	2374.1	1808.0	1304.8	930.9	685.0	584.4	530.6
22.5°	5123.2	4976.8	4470.2	3176.8	2194.5	1498.1	942.3	657.6	544.3	481.4	443.7
25°	5716.7	5594.4	4899.1	3286.6	2052.7	1254.5	728.5	537.5	458.6	419.7	391.1
27.5°	6367.4	6171.9	5453.7	3418.1	1923.5	1065.8	639.3	480.3	408.3	372.8	357.9
30°	6830.6	6678.5	5918.0	3509.6	1762.2	924.0	584.4	473.4	409.4	367.1	339.6
32.5°	7288.0	7093.6	6306.8	3551.9	1644.5	825.7	505.5	412.8	359.1	337.4	309.9
35°	7777.4	7573.9	6694.5	3529.1	1556.4	760.5	458.6	368.2	307.6	271.0	243.6
37.5°	8272.6	8057.6	7079.9	3446.7	1501.5	734.2	422.0	349.9	290.5	252.7	223.0
40°	8860.4	8573.4	7441.2	3379.3	1444.3	720.5	398.0	338.5	277.9	237.9	208.1
42.5°	9340.7	9067.4	7783.2	3343.8	1405.5	688.4	398.0	329.3	269.9	225.3	194.4
45°	9795.8	9512.2	8152.5	3372.4	1389.4	648.4	402.5	328.2	264.2	216.1	185.3
47.5°	10176.7	9930.8	8532.2	3479.9	1368.9	605.0	378.5	344.2	260.7	208.1	176.1
50°	10626.1	10388.2	9034.2	3697.2	1332.3	561.5	348.8	370.5	259.6	201.3	168.1
52.5°	11259.6	11002.3	9727.2	3944.2	1273.9	495.2	321.3	367.1	255.0	189.8	160.1
55°	12033.8	11825.7	10530.0	4240.4	1193.9	420.8	277.9	325.9	241.3	170.4	146.4
57.5°	12530.1	12352.9	11131.5	4368.5	1071.5	344.2	244.7	273.3	220.7	152.1	130.4
59°	12588.5	12428.4	11257.3	4326.1	991.5	314.5	228.7	234.4	215.0	141.8	121.2
60°	12539.3	12373.5	11207.0	4243.8	917.1	293.9	215.0	208.1	216.1	136.1	114.4
62.5°	12223.7	11940.0	10718.7	3826.4	801.6	269.9	191.0	170.4	191.0	122.4	101.8
65°	11614.1	11188.7	9752.4	3238.6	755.9	256.2	162.4	142.9	145.2	107.5	88.1
67.5°	10549.5	10013.1	8465.9	2631.4	736.5	257.3	137.2	128.1	112.1	91.5	77.8
70°	8866.1	8330.9	6792.8	2164.8	727.3	257.3	116.6	109.8	93.8	76.6	67.5
72.5°	6282.8	5706.4	4582.3	1700.5	655.3	256.2	99.5	99.5	76.6	64.0	54.9
75°	3549.7	3554.2	2880.7	1203.0	544.3	211.6	80.1	78.9	56.0	49.2	41.2
77.5°	2068.7	2032.1	1941.8	516.9	252.7	96.1	56.0	48.0	38.9	35.5	29.7
80°	1063.5	874.8	852.0	187.5	90.3	60.6	38.9	27.4	25.2	22.9	20.6
82.5°	314.5	315.6	281.3	75.5	50.3	40.0	19.4	14.9	13.7	12.6	12.6
85°	21.7	13.7	16.0	22.9	30.9	16.0	1.1	3.4	3.4	4.6	5.7
87.5°	2.3	1.1	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3
2.5°	4115.7	4166.0	4072.3	4074.6	3996.8	4021.9	3930.5	3960.2	3906.4	3947.6	4068.8
5°	3096.8	3108.2	3032.8	3008.7	3020.2	3067.1	3085.4	3001.9	3037.3	2967.6	2963.0
7.5°	2181.9	2195.7	2152.2	2146.5	2228.8	2209.4	2244.8	2159.1	2077.9	2113.3	2048.1
10°	1694.8	1637.6	1548.4	1523.2	1507.2	1517.5	1517.5	1439.8	1428.3	1397.4	1444.3
12.5°	1338.0	1268.2	1183.6	1069.2	1040.7	1038.4	996.1	927.4	905.7	879.4	918.3
15°	972.0	943.4	872.5	808.5	743.3	730.7	662.1	606.1	531.8	521.5	518.0
17.5°	683.9	641.5	640.4	603.8	566.1	540.9	476.9	412.8	384.2	380.8	380.8
20°	512.3	497.5	473.4	468.9	457.4	428.8	371.7	337.4	323.6	324.8	329.3
22.5°	431.1	420.8	399.1	388.8	384.2	359.1	316.8	293.9	287.0	287.0	288.2
25°	385.4	376.2	352.2	336.2	330.5	312.2	279.0	261.9	256.2	256.2	256.2
27.5°	351.1	339.6	314.5	300.8	290.5	269.9	249.3	232.1	226.4	226.4	227.6
30°	327.1	314.5	291.6	273.3	257.3	239.0	221.9	207.0	200.1	199.0	200.1
32.5°	295.0	283.6	260.7	249.3	231.0	209.3	195.6	181.8	175.0	176.1	175.0
35°	229.9	226.4	210.4	213.8	203.6	185.3	172.7	157.8	149.8	148.7	151.0
37.5°	209.3	195.6	177.3	178.4	175.0	168.1	147.5	131.5	125.8	125.8	126.9
40°	193.3	179.5	159.0	148.7	149.8	149.8	128.1	110.9	105.2	104.1	106.4
42.5°	179.5	165.8	142.9	125.8	121.2	126.9	108.6	91.5	85.8	83.5	85.8
45°	170.4	155.5	129.2	109.8	96.1	102.9	89.2	75.5	68.6	68.6	67.5
47.5°	161.2	147.5	118.9	94.9	80.1	76.6	73.2	60.6	53.7	52.6	53.7
50°	153.2	139.5	107.5	82.3	67.5	59.5	59.5	48.0	43.5	41.2	42.3
52.5°	145.2	130.4	97.2	73.2	58.3	48.0	42.3	38.9	35.5	34.3	35.5
55°	133.8	118.9	86.9	62.9	50.3	40.0	33.2	32.0	29.7	27.4	29.7
57.5°	120.1	106.4	76.6	53.7	40.0	30.9	27.4	26.3	24.0	22.9	22.9
59°	112.1	99.5	70.9	46.9	35.5	27.4	25.2	24.0	21.7	19.4	20.6
60°	107.5	97.2	67.5	43.5	32.0	25.2	22.9	21.7	19.4	18.3	19.4
62.5°	94.9	86.9	59.5	35.5	25.2	18.3	16.0	17.2	16.0	14.9	16.0
65°	83.5	76.6	50.3	27.4	19.4	12.6	11.4	14.9	13.7	12.6	13.7
67.5°	74.3	66.3	42.3	20.6	13.7	6.9	8.0	12.6	12.6	11.4	12.6
70°	64.0	57.2	34.3	14.9	6.9	3.4	5.7	9.1	11.4	10.3	11.4
72.5°	52.6	44.6	26.3	10.3	3.4	0.0	3.4	8.0	11.4	10.3	11.4
75°	41.2	33.2	19.4	5.7	0.0	0.0	1.1	6.9	11.4	10.3	11.4
77.5°	29.7	24.0	11.4	1.1	0.0	0.0	1.1	6.9	11.4	10.3	11.4
80°	19.4	17.2	4.6	0.0	0.0	0.0	1.1	6.9	11.4	11.4	12.6
82.5°	12.6	9.1	0.0	0.0	0.0	0.0	2.3	9.1	12.6	13.7	13.7
85°	5.7	0.0	0.0	0.0	0.0	0.0	4.6	11.4	14.9	14.9	14.9
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	8.0	13.7	17.2	17.2	17.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3
2.5°	4089.4	4161.5	4263.2	4419.9	4546.8	4747.0	4900.2	5109.5	5321.0	5385.1	5484.6
5°	3009.9	3102.5	3333.5	3543.9	3676.6	4099.7	4367.3	4789.3	5167.8	5349.6	5547.5
7.5°	2090.5	2200.2	2376.3	2670.2	2949.3	3293.5	3725.8	4208.4	4763.0	5022.6	5301.6
10°	1467.2	1604.4	1852.6	2093.9	2445.0	2772.0	3198.6	3731.5	4343.3	4649.8	4999.7
12.5°	926.3	1048.7	1376.9	1647.9	2085.9	2465.5	2858.9	3341.5	4050.5	4365.0	4732.1
15°	529.5	632.4	785.6	1133.3	1619.3	2121.3	2611.9	3172.3	3900.7	4288.4	4685.2
17.5°	394.5	422.0	490.6	687.3	1129.9	1716.5	2384.4	3120.8	4002.5	4457.6	4910.5
20°	331.6	349.9	382.0	459.7	720.5	1322.0	2162.5	3130.0	4331.9	4903.6	5333.6
22.5°	297.3	308.8	335.1	385.4	491.7	962.9	1902.9	3183.7	4731.0	5451.4	5947.7
25°	260.7	275.6	298.5	341.9	409.4	667.8	1646.7	3303.8	5290.2	6146.7	6613.3
27.5°	232.1	245.9	268.7	308.8	359.1	510.0	1348.3	3406.7	5880.3	6846.6	7228.5
30°	203.6	217.3	240.2	272.2	317.9	412.8	1026.9	3467.3	6453.2	7371.5	7665.4
32.5°	179.5	191.0	212.7	241.3	279.0	349.9	809.6	3404.4	6891.2	7848.3	8045.0
35°	155.5	169.2	187.5	213.8	247.0	298.5	673.6	3187.1	7267.4	8338.9	8409.8
37.5°	130.4	146.4	165.8	189.8	216.1	274.5	540.9	2947.0	7669.9	8950.7	8834.1
40°	109.8	124.6	142.9	169.2	193.3	251.6	416.3	2690.8	8104.5	9524.8	9297.3
42.5°	89.2	105.2	126.9	151.0	191.0	219.6	322.5	2425.5	8494.5	10024.6	9715.8
45°	70.9	84.6	107.5	138.4	189.8	188.7	249.3	2163.6	8788.4	10381.4	10028.0
47.5°	56.0	67.5	90.3	134.9	175.0	160.1	200.1	2001.3	9097.1	10702.7	10267.0
50°	44.6	56.0	77.8	140.7	153.2	137.2	168.1	2027.6	9395.6	10866.2	10365.3
52.5°	37.7	49.2	67.5	110.9	117.8	120.1	147.5	2148.8	9781.0	11041.2	10560.9
55°	33.2	43.5	57.2	77.8	91.5	107.5	134.9	2236.8	10296.7	11416.3	10992.0
57.5°	26.3	37.7	51.5	66.3	75.5	93.8	124.6	2243.7	10763.3	11897.7	11565.0
59°	24.0	34.3	48.0	62.9	67.5	84.6	117.8	2185.4	10780.5	11969.8	11828.0
60°	21.7	33.2	45.7	58.3	64.0	80.1	112.1	2117.9	10624.9	11855.4	11936.6
62.5°	18.3	28.6	40.0	46.9	54.9	66.3	97.2	1873.2	9871.3	11337.4	11735.3
65°	16.0	25.2	34.3	38.9	45.7	57.2	85.8	1499.2	9038.8	10635.2	11159.0
67.5°	14.9	22.9	29.7	33.2	40.0	52.6	76.6	1058.9	7960.4	9744.4	10293.3
70°	13.7	21.7	26.3	30.9	35.5	44.6	65.2	617.5	6131.8	8182.3	8762.1
72.5°	13.7	20.6	22.9	26.3	30.9	40.0	60.6	333.9	4192.3	6241.6	6990.7
75°	13.7	19.4	20.6	22.9	27.4	36.6	53.7	175.0	2710.3	4336.4	5351.9
77.5°	13.7	18.3	20.6	21.7	26.3	32.0	46.9	109.8	1805.7	3037.3	3617.1
80°	14.9	18.3	19.4	21.7	25.2	29.7	38.9	73.2	1061.2	1827.4	2201.4
82.5°	16.0	18.3	20.6	22.9	26.3	28.6	34.3	45.7	489.4	1208.8	1367.7
85°	17.2	19.4	21.7	24.0	27.4	28.6	32.0	33.2	80.1	545.5	737.6
87.5°	18.3	20.6	22.9	25.2	29.7	29.7	29.7	29.7	27.4	58.3	148.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3	4972.3
2.5°	5610.4	5739.6	5829.9	5852.8	5787.6	5757.9	5675.6	5547.5	5469.7	5466.3
5°	5912.3	6215.3	6425.7	6461.2	6335.4	6122.7	5870.0	5544.0	5353.1	5295.9
7.5°	5860.8	6391.4	6729.9	6779.1	6567.5	6161.6	5672.1	5147.2	4939.1	4851.0
10°	5649.3	6296.5	6780.2	6858.0	6575.5	6003.8	5381.7	4796.1	4537.7	4470.2
12.5°	5468.6	6122.7	6552.7	6660.2	6446.3	5875.7	5207.8	4570.9	4294.1	4231.2
15°	5389.7	5916.8	6179.9	6234.8	6199.3	5795.6	5189.5	4536.6	4219.8	4151.2
17.5°	5468.6	5741.9	5775.0	5831.1	5910.0	5787.6	5365.6	4723.0	4381.0	4296.4
20°	5675.6	5589.8	5452.6	5476.6	5657.3	5820.8	5679.0	5135.8	4719.5	4629.2
22.5°	6027.8	5552.0	5241.0	5220.4	5449.1	5931.7	6138.7	5695.0	5212.4	5123.2
25°	6460.0	5647.0	5163.2	5118.6	5367.9	6094.1	6638.4	6380.0	5852.8	5716.7
27.5°	6931.2	5843.7	5163.2	5119.8	5361.1	6238.2	7066.1	6986.1	6516.1	6367.4
30°	7189.6	6006.0	5237.6	5188.4	5445.7	6321.7	7294.9	7524.7	7014.7	6830.6
32.5°	7420.6	6231.3	5382.8	5290.2	5623.0	6445.2	7499.6	7982.1	7411.5	7288.0
35°	7633.4	6472.6	5582.9	5475.4	5856.2	6614.4	7726.0	8462.4	7963.8	7777.4
37.5°	7867.8	6752.8	5895.1	5803.6	6246.2	6943.8	7994.7	9093.7	8507.0	8272.6
40°	8122.8	7077.6	6408.6	6369.7	6866.0	7316.6	8334.4	9767.3	9126.9	8860.4
42.5°	8382.4	7451.5	7037.6	7101.6	7568.2	7839.2	8683.2	10285.3	9634.6	9340.7
45°	8618.0	7929.5	7855.2	8172.0	8387.0	8349.2	8941.6	10650.1	10077.2	9795.8
47.5°	8915.3	8626.0	8844.4	9332.7	9338.4	8903.9	9137.2	10948.6	10458.0	10176.7
50°	9248.1	9448.2	10121.8	10619.2	10485.4	9449.3	9365.9	11301.9	10851.4	10626.1
52.5°	9633.5	10368.8	11301.9	11854.3	11542.1	10044.0	9746.7	11683.9	11475.8	11259.6
55°	10081.7	10996.6	12478.7	12918.9	12604.5	10782.8	10325.3	12201.9	12181.3	12033.8
57.5°	10588.3	11659.9	13160.2	13756.0	13475.9	11649.6	11133.8	12690.2	12612.5	12530.1
59°	10988.6	12000.7	13461.0	14078.5	13909.3	12256.8	11677.0	12994.4	12712.0	12588.5
60°	11231.0	12231.7	13571.9	14122.0	14083.1	12618.2	12021.2	13143.1	12710.8	12539.3
62.5°	11950.3	12635.3	13529.6	13928.7	14080.8	13311.2	13031.0	13306.6	12475.2	12223.7
65°	12206.5	12501.5	12828.6	12779.4	12909.8	13275.7	13676.0	13127.1	11972.1	11614.1
67.5°	11707.9	11034.3	11149.8	10821.6	10757.6	11802.8	13414.1	12248.8	10987.5	10549.5
70°	9869.0	8453.3	8395.0	8545.9	8132.0	9555.7	12045.3	10557.5	9362.4	8866.1
72.5°	7768.3	5974.0	5482.3	6038.1	6025.5	7290.3	10006.3	7491.5	6325.1	6282.8
75°	6109.0	4159.2	3650.3	3740.6	3914.5	5277.6	7969.6	4757.3	3895.0	3549.7
77.5°	4100.9	2947.0	2749.2	2638.2	2825.8	3388.4	5042.0	2579.9	2184.2	2068.7
80°	2363.8	2140.8	2431.2	2207.1	2307.7	2135.1	2507.9	1183.6	982.3	1063.5
82.5°	1538.1	1219.0	1299.1	965.2	1319.7	1331.1	805.1	349.9	296.2	314.5
85°	961.7	571.8	321.3	228.7	455.1	837.1	251.6	21.7	25.2	21.7
87.5°	249.3	94.9	40.0	59.5	73.2	65.2	58.3	3.4	1.1	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)