

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: McGRAW-EDISON

Report Number: P530783

Luminaire Tested: **GALN-SA6A-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13965 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

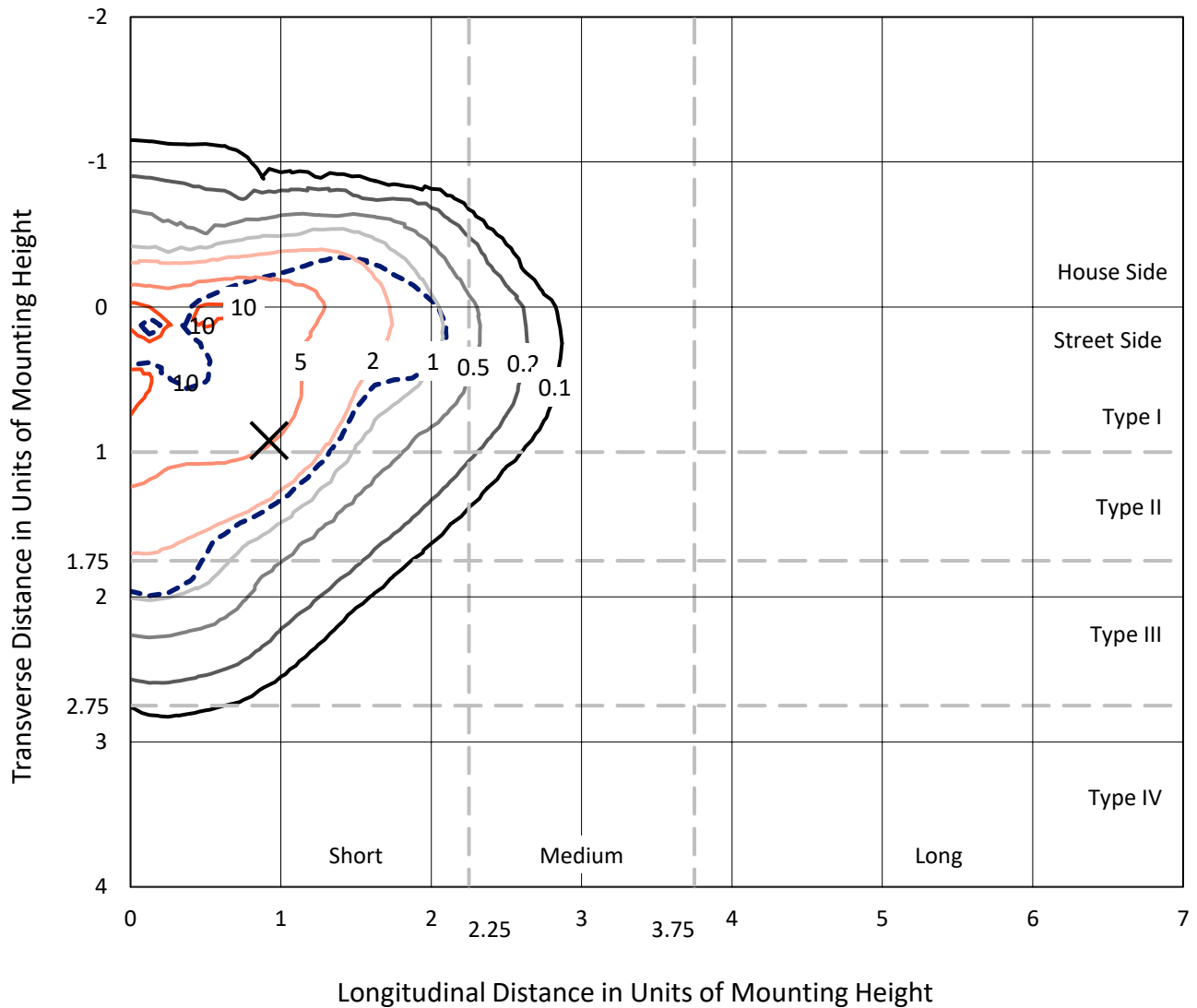
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

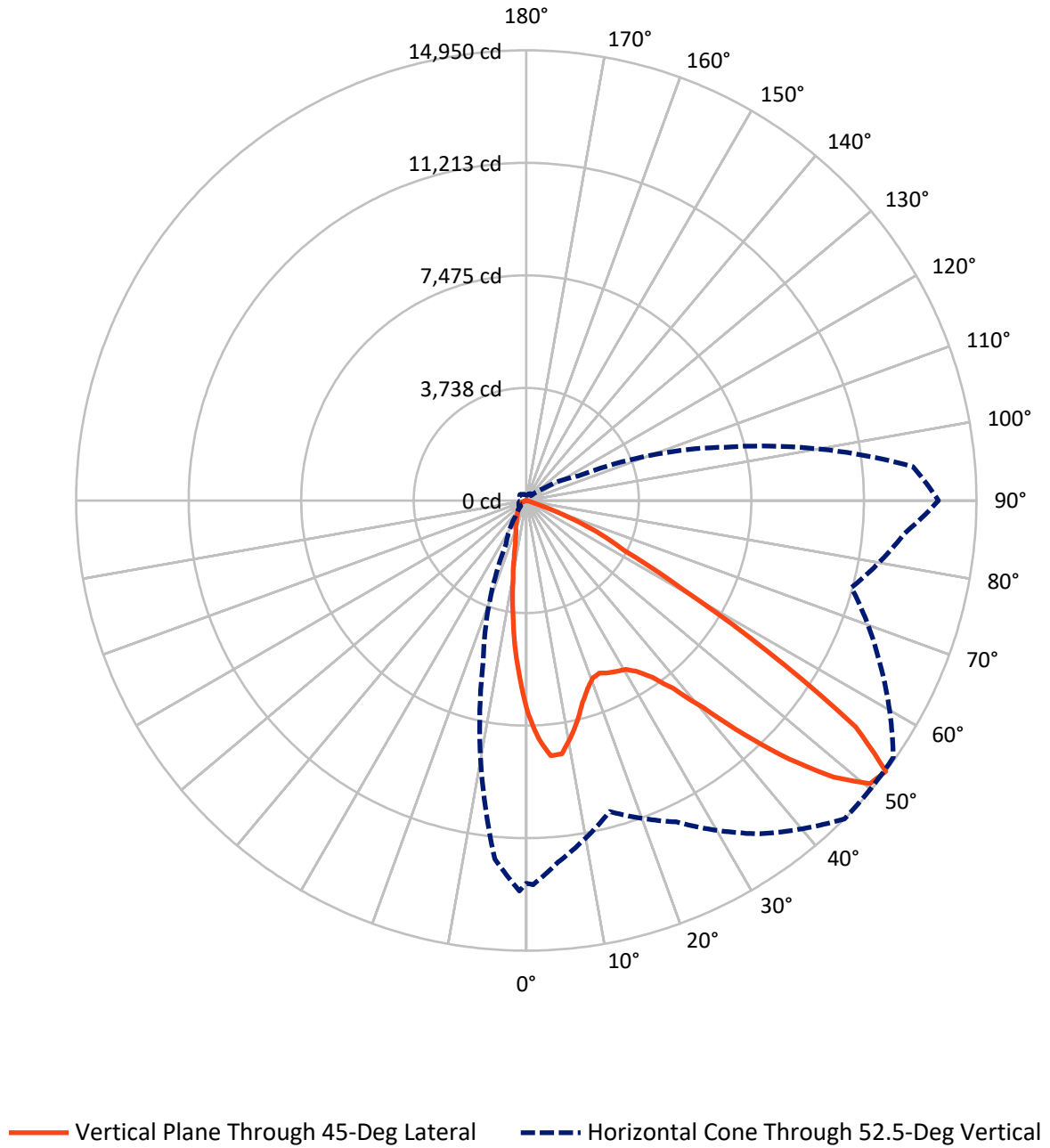
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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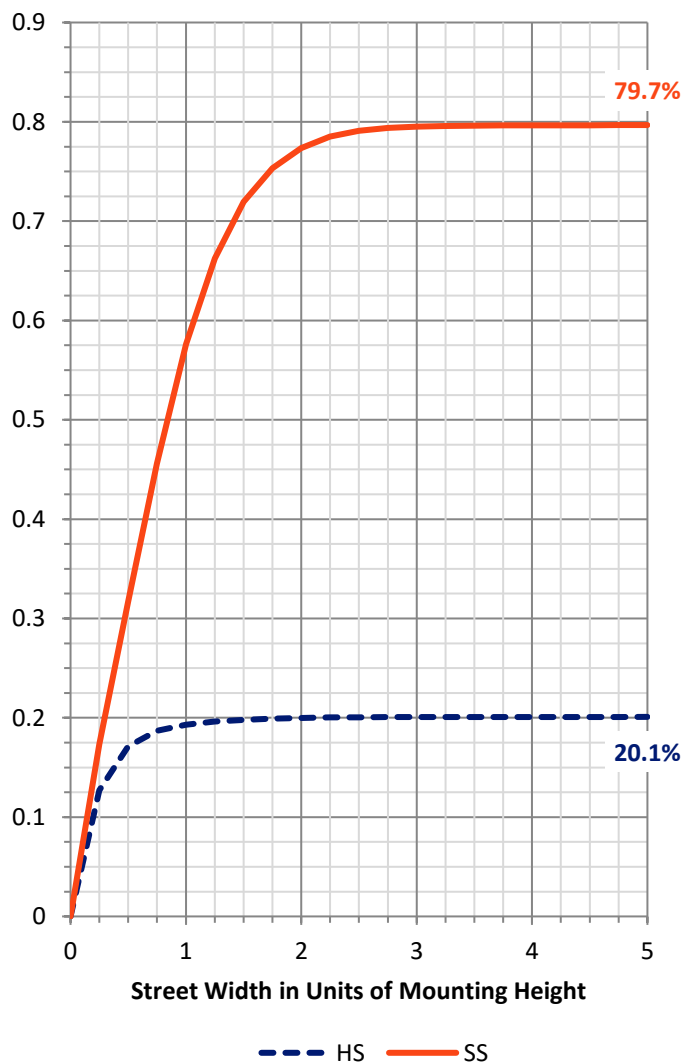
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2834.2	0.0	2834.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	11130.8	0.0	11130.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	13965.0	0.0	13965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.4	3.7
10°-20°	1018.8	7.3
20°-30°	1550.5	11.1
30°-40°	2317.4	16.6
40°-50°	3300.2	23.6
50°-60°	3547.6	25.4
60°-70°	1572.0	11.3
70°-80°	127.2	0.9
80°-90°	14.8	0.1
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°	13965.0	100.0
0°-180°	13965.0	100.0

Coefficient of Utilization

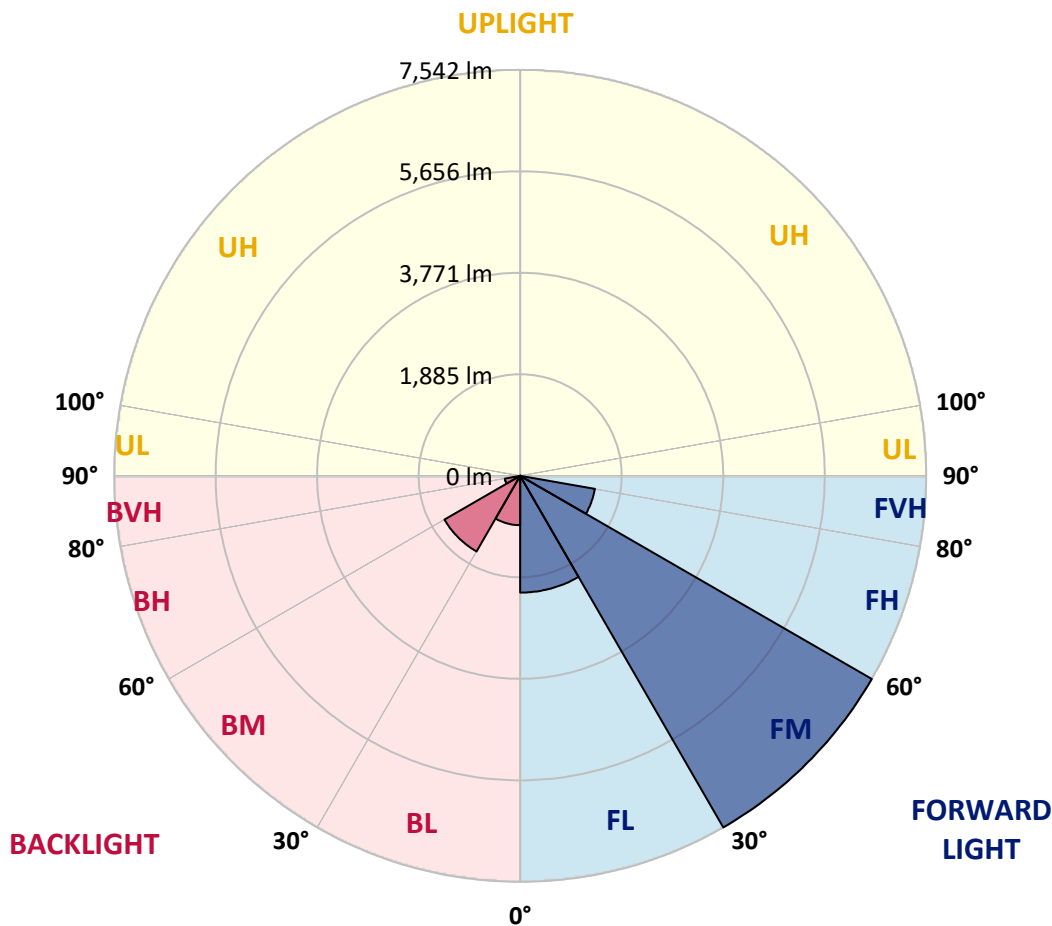


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2169.1	15.5			
FM (30°-60°)	7541.5	54.0			
FH (60°-80°)	1409.2	10.1			G1/1800
FVH (80°-90°)	11.0	0.1			G1/100
BL (0°-30°)	916.7	6.6	B2/1000		
BM (30°-60°)	1623.7	11.6	B2/2500		
BH (60°-80°)	290.0	2.1	B1/500		G1/500
BVH (80°-90°)	3.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9
2.5°	7492.9	7514.9	7635.7	7786.8	7866.5	8047.7	7921.4	7954.3	7885.7	7644.0	7454.5
5°	7264.9	7262.2	7416.0	7789.5	8143.9	8503.7	8514.7	8322.4	7984.6	7613.8	7083.7
7.5°	6578.3	6685.4	6844.7	7440.7	8097.2	8366.3	8495.4	8270.2	7751.1	7221.0	6646.9
10°	6059.1	6114.1	6383.3	7102.9	7583.5	7943.4	8023.0	7893.9	7495.7	6833.7	6191.0
12.5°	5759.8	5787.2	6103.1	6707.4	7215.5	7481.9	7520.4	7580.8	7295.1	6674.4	5902.6
15°	5762.5	5784.5	6210.2	6715.6	6916.1	6844.7	6971.0	6968.3	7091.9	6644.2	6144.3
17.5°	6177.3	6202.0	6586.5	6836.5	6748.6	6581.0	6572.8	6699.1	6960.1	7020.5	6509.6
20°	6891.4	6949.1	7232.0	7218.2	6723.8	6386.0	6292.6	6388.7	6995.8	7339.1	7245.7
22.5°	7852.7	7932.4	8130.1	7751.1	6836.5	6254.2	6223.9	6410.7	7232.0	8050.5	8080.7
25°	8967.9	9102.5	9198.6	8712.4	7237.5	6482.1	6339.3	6660.7	7550.6	8822.3	9143.7
27.5°	9706.7	9846.8	9824.8	9129.9	7506.6	6542.6	6421.7	6721.1	7828.0	9006.3	9698.5
30°	10283.5	10368.7	10522.5	9355.1	7775.8	6712.9	6506.9	6976.5	7918.6	9324.9	10368.7
32.5°	10956.4	11014.1	11025.1	9753.4	8190.6	6927.1	6770.5	7295.1	8319.7	9629.8	10961.9
35°	11634.9	11720.0	11541.5	10245.1	8446.0	7325.4	7210.0	7847.2	8641.0	9945.7	11615.6
37.5°	12371.0	12414.9	12002.9	10448.3	8811.3	7973.6	7910.4	8443.3	9198.6	10517.0	12340.8
40°	12989.0	13030.2	12494.6	10698.3	9195.8	8880.0	9042.0	9580.4	9956.7	10887.8	12703.3
42.5°	13332.3	13428.4	12659.4	10560.9	9967.6	9907.2	10626.8	10816.4	10835.6	10992.2	13027.4
45°	13425.7	13381.8	12387.5	10673.5	10643.3	11596.4	12250.1	12500.1	11709.0	11184.4	13109.8
47.5°	12994.5	13052.2	11986.4	10574.7	11530.5	12876.4	13722.3	14186.5	12360.0	11016.9	12906.6
50°	12645.6	12571.5	11857.4	10503.2	11769.5	13480.6	14785.3	14889.7	12958.8	11222.9	12684.1
52.5°	12714.3	12761.0	12063.4	10692.8	11775.0	13516.3	14950.1	14878.7	12978.0	11176.2	12604.4
55°	12859.9	12653.9	11975.5	10275.3	10986.7	12519.3	13269.1	13159.3	11978.2	10679.0	12409.4
57.5°	11096.5	11415.1	11011.4	9173.9	9017.3	9432.0	9418.3	9756.2	8934.9	9190.3	11297.0
60°	9006.3	9061.3	9212.3	7847.2	6240.4	6097.6	5899.8	5685.6	6012.5	7858.2	10275.3
62.5°	7921.4	7855.5	8393.8	7138.6	4405.7	3688.8	3655.8	3787.7	4639.1	7495.7	9638.0
65°	5757.0	5839.4	6229.4	5540.0	3307.0	2815.3	2765.9	3155.9	3754.7	6007.0	7355.6
67.5°	3515.7	3675.0	3710.7	3416.9	2244.0	1782.6	1711.2	2065.5	2711.0	3886.5	4312.3
70°	1623.3	1815.5	1996.8	1865.0	1299.2	733.4	692.2	867.9	1367.8	2235.8	2288.0
72.5°	491.7	494.4	692.2	722.4	420.2	164.8	145.6	192.3	464.2	738.9	777.3
75°	35.7	38.5	93.4	107.1	79.7	41.2	43.9	52.2	98.9	164.8	123.6
77.5°	2.7	2.7	2.7	13.7	24.7	27.5	35.7	41.2	52.2	60.4	54.9
80°	2.7	0.0	2.7	11.0	19.2	27.5	33.0	38.5	41.2	46.7	41.2
82.5°	0.0	0.0	0.0	8.2	19.2	27.5	30.2	41.2	46.7	54.9	46.7
85°	0.0	0.0	0.0	8.2	19.2	30.2	27.5	13.7	0.0	0.0	0.0
87.5°	0.0	0.0	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°	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9
2.5°	7487.4	7380.3	7135.8	7012.2	6721.1	6679.9	6394.2	6347.5	6251.4	6199.2	6072.9
5°	6850.2	6721.1	6322.8	5987.7	5597.7	5325.8	5117.0	4927.5	4817.7	4716.0	4762.7
7.5°	6331.1	5954.8	5512.6	4952.2	4501.8	4210.6	3892.0	3631.1	3477.3	3372.9	3397.6
10°	5787.2	5542.8	4927.5	4298.5	3754.7	3548.7	3298.7	3098.2	2881.3	2694.5	2606.6
12.5°	5616.9	5254.4	4482.6	3842.6	3430.6	3230.1	2944.4	2713.7	2436.3	2208.3	2128.7
15°	5647.1	5298.3	4361.7	3677.8	3191.6	2845.5	2505.0	2219.3	1914.4	1755.1	1672.7
17.5°	6138.8	5534.5	4441.4	3504.7	2859.3	2378.6	1958.4	1595.8	1367.8	1203.0	1167.3
20°	6743.1	6045.4	4611.7	3378.4	2587.4	1892.5	1431.0	1117.9	928.4	900.9	892.7
22.5°	7627.5	6880.4	4977.0	3293.3	2255.0	1475.0	980.6	813.0	760.8	755.3	758.1
25°	8863.5	7926.9	5375.2	3221.8	2005.1	1137.1	802.0	689.4	672.9	664.7	678.4
27.5°	9399.1	8558.6	5586.7	3068.0	1777.1	1024.5	791.0	683.9	637.2	623.5	631.7
30°	10061.0	8978.9	5919.1	2804.3	1442.0	843.2	738.9	744.3	722.4	653.7	631.7
32.5°	10940.0	9503.5	6086.6	2617.6	1288.2	697.7	541.1	497.1	554.8	565.8	585.0
35°	11503.0	10036.3	6171.8	2507.7	1208.5	596.0	458.7	417.5	403.8	406.5	417.5
37.5°	12549.5	10755.9	6278.9	2392.3	1148.1	519.1	414.7	376.3	357.1	357.1	368.1
40°	13175.8	11327.2	6424.5	2329.2	1087.7	472.4	376.3	343.3	326.9	326.9	332.3
42.5°	13332.3	11610.2	6375.0	2307.2	1019.0	461.4	343.3	318.6	299.4	296.6	293.9
45°	13612.5	12041.4	6383.3	2282.5	947.6	420.2	324.1	296.6	269.2	266.4	263.7
47.5°	13920.1	12351.8	6399.7	2186.3	878.9	351.6	337.8	274.7	241.7	236.2	236.2
50°	13656.4	12599.0	6542.6	2090.2	791.0	285.7	332.3	258.2	214.2	206.0	208.7
52.5°	13689.4	12890.1	6844.7	1955.6	681.2	228.0	269.2	244.5	195.0	181.3	184.0
55°	13162.0	12582.5	6885.9	1812.8	532.9	175.8	206.0	214.2	164.8	159.3	159.3
57.5°	11330.0	10654.3	6075.6	1469.5	351.6	145.6	148.3	186.8	142.8	137.3	140.1
60°	9695.7	8553.1	4889.1	969.6	219.7	115.4	107.1	189.5	126.3	123.6	131.8
62.5°	8838.8	7028.7	3708.0	601.5	151.1	87.9	74.2	153.8	109.9	109.9	120.9
65°	6386.0	4721.5	2156.1	315.9	107.1	68.7	54.9	87.9	90.6	93.4	98.9
67.5°	3955.2	2384.1	909.1	153.8	71.4	46.7	35.7	54.9	60.4	60.4	65.9
70°	1952.9	950.3	302.1	87.9	54.9	38.5	24.7	30.2	30.2	27.5	30.2
72.5°	604.3	285.7	76.9	54.9	38.5	24.7	13.7	11.0	5.5	0.0	2.7
75°	68.7	54.9	49.4	38.5	24.7	11.0	2.7	0.0	0.0	0.0	0.0
77.5°	41.2	46.7	46.7	38.5	24.7	8.2	0.0	0.0	0.0	0.0	0.0
80°	33.0	35.7	38.5	35.7	22.0	11.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.2	46.7	52.2	46.7	30.2	13.7	5.5	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	8.2	2.7	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9
2.5°	6020.7	5960.3	6045.4	5919.1	5916.3	5919.1	5883.4	5850.4	5902.6	6042.7	6056.4
5°	4595.2	4724.3	4765.5	4900.1	4825.9	4716.0	4738.0	4663.8	4845.1	4924.8	4861.6
7.5°	3345.4	3337.2	3614.6	3631.1	3666.8	3669.5	3664.1	3518.5	3370.2	3403.1	3502.0
10°	2595.6	2455.5	2590.1	2576.4	2664.3	2639.5	2675.3	2518.7	2570.9	2570.9	2634.1
12.5°	2114.9	1966.6	1941.9	1906.2	1941.9	1955.6	1969.4	1939.1	2027.0	2068.2	2112.2
15°	1615.0	1532.6	1510.7	1442.0	1453.0	1491.4	1524.4	1538.1	1510.7	1573.8	1579.3
17.5°	1172.8	1170.1	1183.8	1181.1	1170.1	1161.8	1159.1	1123.4	1112.4	1117.9	1139.9
20°	889.9	911.9	958.6	1005.3	1030.0	999.8	958.6	898.2	873.4	878.9	881.7
22.5°	760.8	793.8	857.0	909.1	933.9	878.9	804.8	752.6	741.6	738.9	736.1
25°	689.4	727.9	774.6	791.0	788.3	755.3	700.4	678.4	672.9	667.4	642.7
27.5°	651.0	664.7	672.9	692.2	700.4	678.4	664.7	631.7	626.2	626.2	609.8
30°	629.0	620.7	631.7	618.0	629.0	612.5	615.3	615.3	601.5	607.0	607.0
32.5°	585.0	587.8	587.8	560.3	568.6	549.3	568.6	585.0	587.8	590.5	612.5
35°	428.5	477.9	502.6	502.6	510.9	497.1	494.4	475.2	450.5	425.7	414.7
37.5°	376.3	395.5	428.5	447.7	461.4	450.5	425.7	395.5	381.8	370.8	359.8
40°	335.1	351.6	373.5	395.5	423.0	409.3	370.8	357.1	340.6	340.6	329.6
42.5°	302.1	310.4	324.1	357.1	387.3	359.8	332.3	321.4	313.1	310.4	307.6
45°	271.9	274.7	288.4	315.9	351.6	324.1	296.6	282.9	285.7	288.4	285.7
47.5°	244.5	249.9	258.2	291.1	313.1	299.4	269.2	260.9	260.9	260.9	263.7
50°	211.5	225.2	241.7	269.2	285.7	277.4	252.7	241.7	236.2	236.2	239.0
52.5°	189.5	200.5	222.5	255.4	277.4	263.7	239.0	222.5	211.5	208.7	214.2
55°	164.8	184.0	219.7	244.5	274.7	260.9	233.5	214.2	195.0	192.3	192.3
57.5°	148.3	178.5	211.5	241.7	266.4	255.4	233.5	208.7	184.0	181.3	181.3
60°	140.1	173.0	206.0	233.5	266.4	249.9	230.7	203.3	175.8	175.8	173.0
62.5°	131.8	162.1	195.0	222.5	255.4	241.7	222.5	195.0	167.5	167.5	162.1
65°	109.9	140.1	162.1	186.8	222.5	208.7	189.5	170.3	148.3	142.8	145.6
67.5°	76.9	96.1	118.1	142.8	164.8	159.3	151.1	137.3	118.1	115.4	112.6
70°	38.5	52.2	71.4	96.1	115.4	109.9	104.4	93.4	82.4	79.7	79.7
72.5°	5.5	16.5	30.2	43.9	60.4	63.2	60.4	57.7	54.9	52.2	54.9
75°	0.0	0.0	0.0	11.0	24.7	30.2	35.7	41.2	41.2	35.7	43.9
77.5°	0.0	0.0	0.0	0.0	2.7	13.7	27.5	35.7	43.9	38.5	52.2
80°	0.0	0.0	0.0	0.0	2.7	16.5	27.5	38.5	43.9	38.5	54.9
82.5°	0.0	0.0	0.0	0.0	2.7	19.2	27.5	35.7	41.2	38.5	49.4
85°	0.0	0.0	0.0	0.0	8.2	16.5	11.0	5.5	2.7	2.7	8.2
87.5°	0.0	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9	7080.9
2.5°	6133.3	6328.3	6537.1	6616.7	6863.9	7050.7	7177.0	7449.0	7490.2	7492.9
5°	4927.5	5026.4	5383.5	5551.0	5919.1	6204.7	6509.6	6949.1	7243.0	7264.9
7.5°	3502.0	3776.7	3927.7	4364.5	4817.7	5265.4	5718.6	6229.4	6570.0	6578.3
10°	2818.1	2996.6	3265.8	3592.6	3974.4	4430.4	5034.6	5627.9	5974.0	6059.1
12.5°	2268.7	2581.9	2889.5	3227.3	3518.5	3861.8	4512.8	5303.8	5589.5	5759.8
15°	1746.9	2032.5	2395.1	2790.6	3120.2	3578.9	4320.5	5224.2	5704.8	5762.5
17.5°	1288.2	1543.6	1878.7	2252.3	2746.7	3397.6	4353.5	5627.9	6081.1	6177.3
20°	925.6	1073.9	1337.6	1771.6	2400.6	3186.1	4386.4	6037.2	6726.6	6891.4
22.5°	733.4	793.8	966.8	1351.4	2013.3	2963.7	4619.9	6820.0	7613.8	7852.7
25°	637.2	670.2	752.6	1065.7	1768.9	2941.7	4993.4	7759.3	8794.8	8967.9
27.5°	615.3	620.7	692.2	977.8	1637.0	2796.1	5136.3	8426.8	9530.9	9706.7
30°	648.2	736.1	741.6	826.7	1392.6	2507.7	5210.4	9072.2	10154.4	10283.5
32.5°	560.3	532.9	552.1	640.0	1225.0	2340.2	5350.5	9635.3	10865.8	10956.4
35°	390.0	409.3	453.2	554.8	1071.2	2164.4	5386.2	10256.0	11541.5	11634.9
37.5°	359.8	370.8	406.5	472.4	942.1	2065.5	5336.8	10709.2	12241.9	12371.0
40°	335.1	348.8	368.1	428.5	846.0	1955.6	5268.1	11118.5	12670.4	12989.0
42.5°	315.9	326.9	343.3	409.3	763.6	1845.8	5172.0	11695.3	13054.9	13332.3
45°	293.9	310.4	329.6	398.3	716.9	1771.6	5100.6	11659.6	13277.4	13425.7
47.5°	271.9	299.4	321.4	370.8	703.1	1735.9	5130.8	11525.0	13096.1	12994.5
50°	249.9	285.7	324.1	307.6	670.2	1664.5	5166.5	11709.0	12664.9	12645.6
52.5°	230.7	271.9	302.1	252.7	596.0	1595.8	5512.6	11950.7	12969.8	12714.3
55°	203.3	244.5	241.7	203.3	483.4	1543.6	5784.5	11956.2	12763.8	12859.9
57.5°	184.0	217.0	189.5	170.3	357.1	1290.9	5342.3	10025.3	10926.2	11096.5
60°	170.3	211.5	142.8	134.6	233.5	931.1	4663.8	7764.8	8685.0	9006.3
62.5°	156.6	200.5	112.6	109.9	162.1	661.9	3834.3	6498.6	7484.7	7921.4
65°	137.3	142.8	90.6	85.1	115.4	357.1	2334.7	4474.3	5595.0	5757.0
67.5°	112.6	109.9	74.2	68.7	76.9	173.0	1030.0	2241.3	3243.8	3515.7
70°	90.6	90.6	63.2	54.9	54.9	79.7	269.2	892.7	1466.7	1623.3
72.5°	65.9	68.7	49.4	43.9	41.2	38.5	43.9	178.5	384.5	491.7
75°	57.7	60.4	49.4	38.5	30.2	24.7	19.2	16.5	22.0	35.7
77.5°	63.2	63.2	52.2	35.7	27.5	19.2	11.0	5.5	5.5	2.7
80°	79.7	82.4	68.7	46.7	33.0	22.0	13.7	5.5	2.7	2.7
82.5°	85.1	93.4	76.9	57.7	41.2	24.7	13.7	2.7	0.0	0.0
85°	22.0	35.7	60.4	52.2	41.2	24.7	13.7	2.7	0.0	0.0
87.5°	0.0	2.7	8.2	8.2	11.0	11.0	8.2	2.7	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

(END OF REPORT)