

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: P531201

Luminaire Tested: **GALN-SA6C-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19275 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

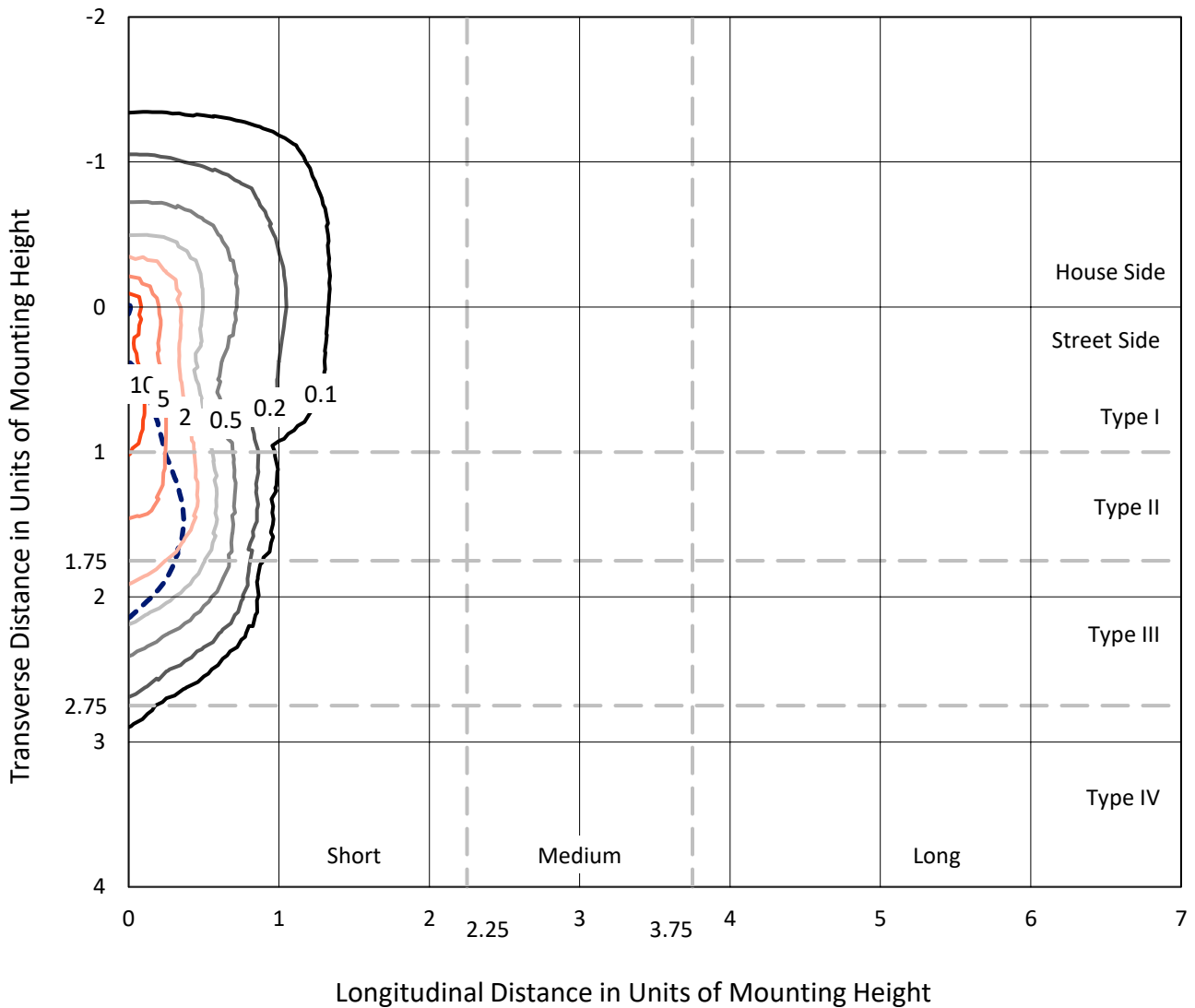
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

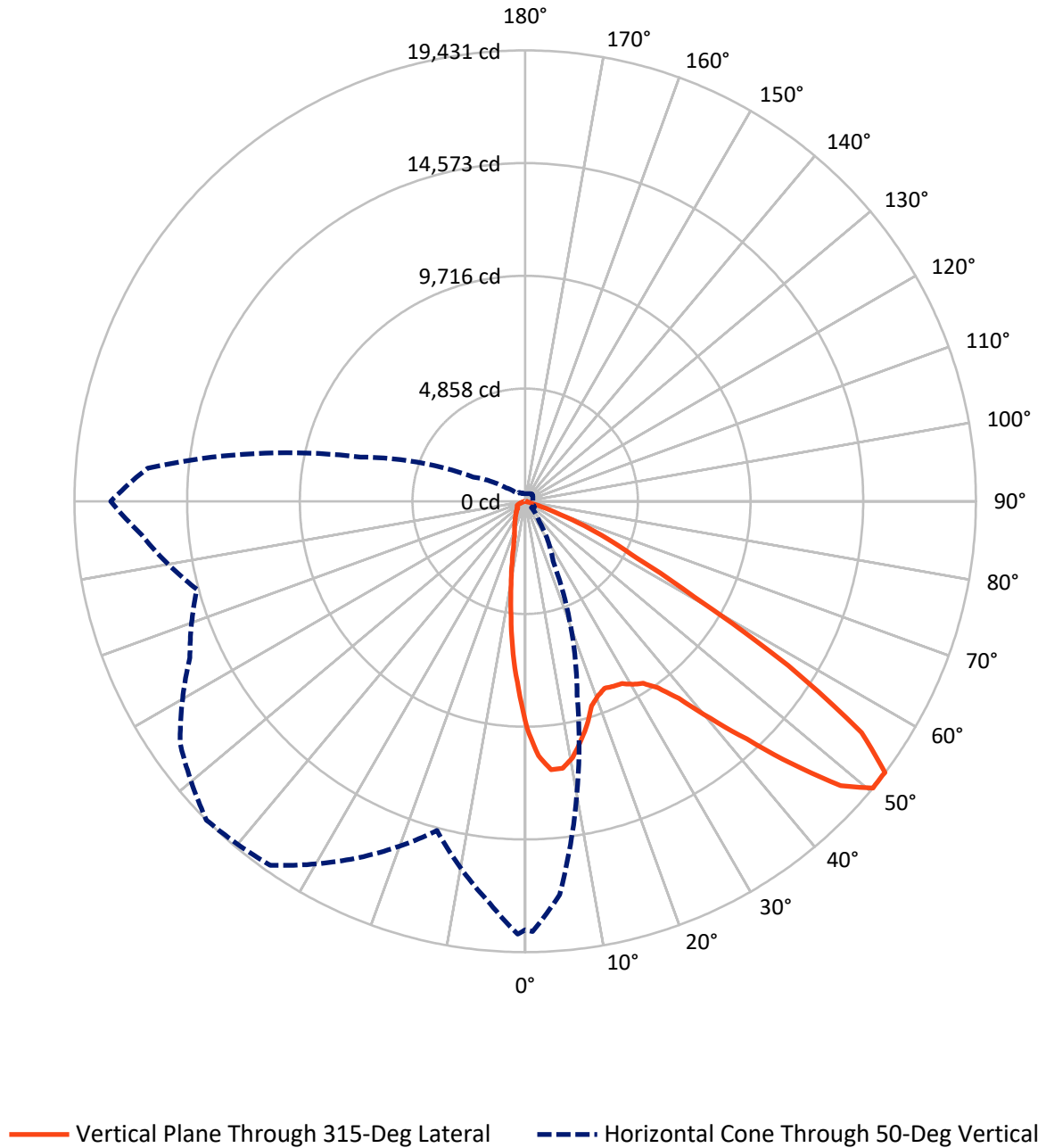
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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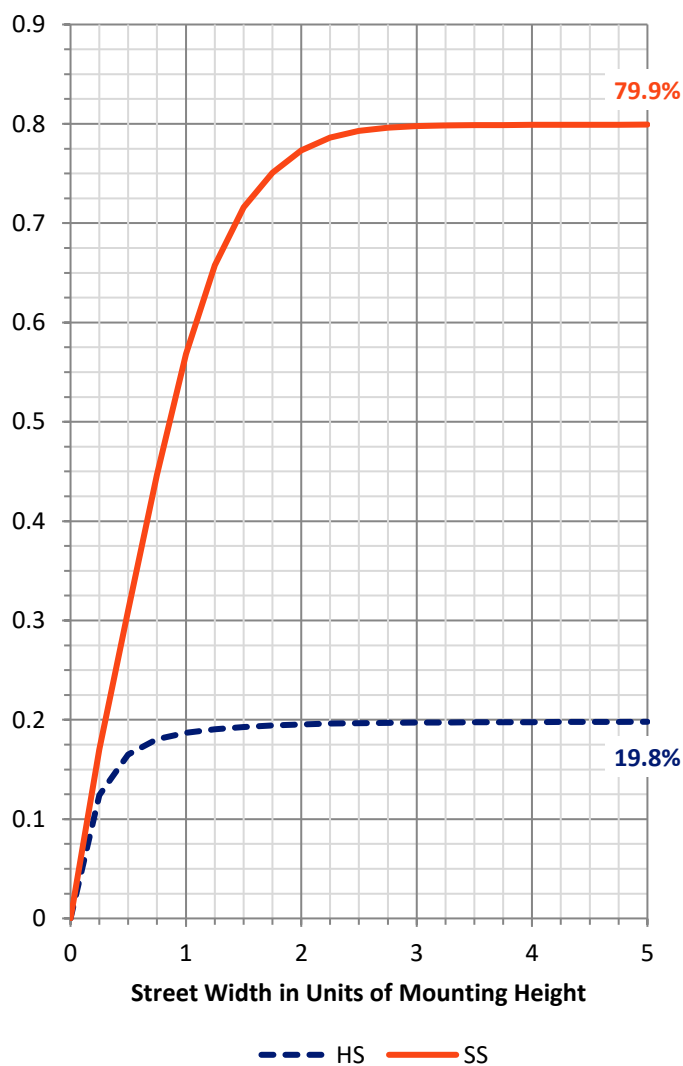
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3860.8	0.0	3860.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	15414.2	0.0	15414.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	19275.0	0.0	19275.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.5	3.7
10°-20°	1416.0	7.3
20°-30°	2127.3	11.0
30°-40°	3193.0	16.6
40°-50°	4487.6	23.3
50°-60°	4840.6	25.1
60°-70°	2247.5	11.7
70°-80°	211.5	1.1
80°-90°	39.0	0.2
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°	19275.0	100.0
0°-180°	19275.0	100.0

Coefficient of Utilization

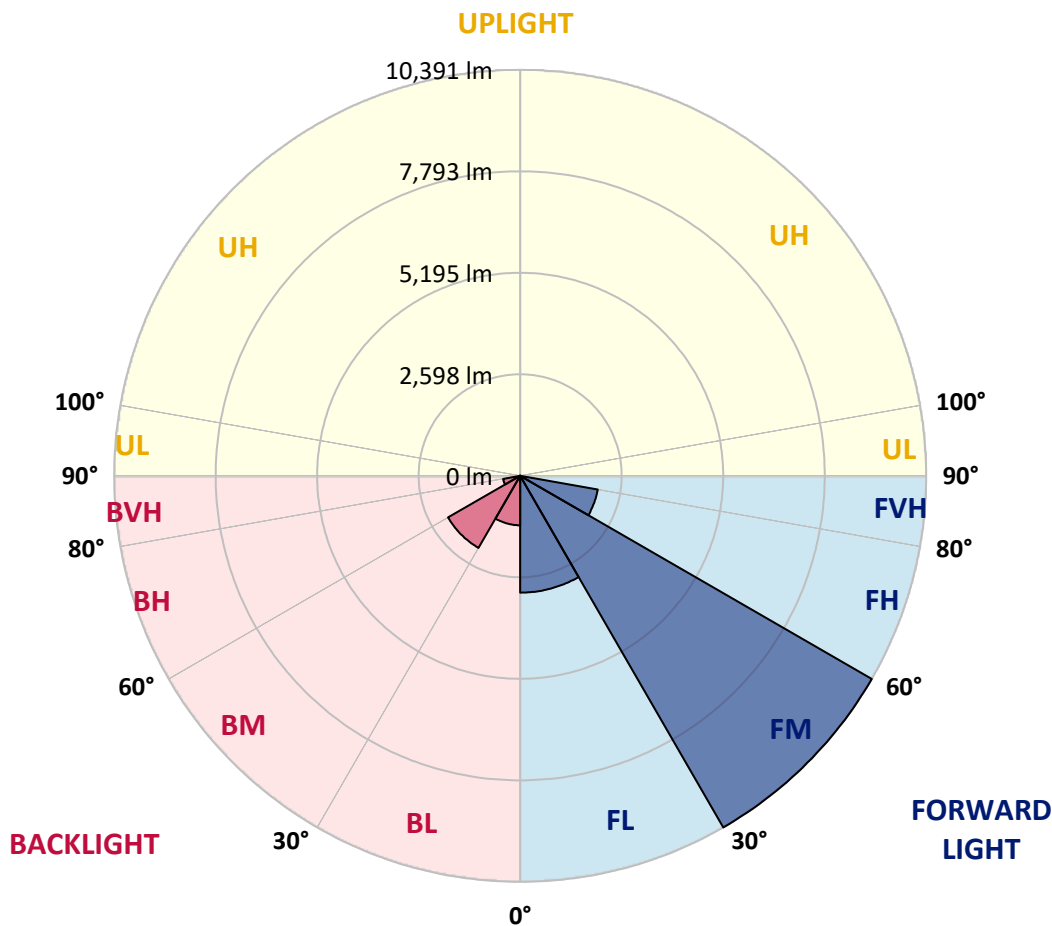


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2990.3	15.5			
FM (30°-60°)	10390.7	53.9			
FH (60°-80°)	2015.6	10.5			G2/5000
FVH (80°-90°)	17.6	0.1			G1/100
BL (0°-30°)	1265.5	6.6	B3/2500		
BM (30°-60°)	2130.6	11.1	B2/2500		
BH (60°-80°)	443.3	2.3	B1/500		G1/500
BVH (80°-90°)	21.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9
2.5°	10161.1	10004.3	9805.4	9641.0	9396.3	8902.9	8769.1	8608.4	8474.6	8294.9	8042.5
5°	9239.5	9189.7	9098.0	8478.4	8031.0	7434.4	6944.9	6738.4	6466.9	6245.0	6084.4
7.5°	8535.8	8336.9	8046.3	7422.9	6707.8	6069.1	5526.1	5208.7	4849.2	4726.8	4508.8
10°	7782.4	7828.3	7400.0	6524.2	5659.9	5143.7	4807.1	4501.2	4176.1	3962.0	3652.2
12.5°	7541.5	7392.3	7063.4	5981.2	5243.1	4761.2	4352.0	3973.4	3629.2	3285.1	2986.8
15°	7698.3	7468.8	7009.9	5866.4	4921.8	4321.4	3809.0	3296.5	2979.1	2539.3	2229.6
17.5°	8260.4	8076.9	7461.2	5988.8	4757.4	3900.8	3139.7	2612.0	2126.3	1728.6	1571.8
20°	9197.4	8937.3	8164.8	6145.6	4512.6	3392.1	2547.0	1896.8	1437.9	1269.7	1181.7
22.5°	10115.2	9973.7	8998.5	6447.7	4294.7	2940.9	1912.1	1277.3	1074.6	1044.0	986.7
25°	11862.9	11438.4	10272.0	6994.6	4126.4	2516.4	1441.8	1028.7	910.2	887.2	894.9
27.5°	12903.1	12547.5	11449.9	7357.9	3939.0	2191.3	1219.9	944.6	864.3	814.6	795.4
30°	13901.3	13488.2	12035.0	7572.1	3537.5	1847.1	1082.3	906.4	887.2	814.6	791.6
32.5°	14669.9	14264.6	12880.2	7893.3	3373.0	1625.3	891.1	707.5	657.8	650.1	719.0
35°	15847.8	15415.7	13603.0	8069.2	3246.8	1510.6	772.5	631.0	573.6	550.7	554.5
37.5°	16945.4	16650.9	14272.2	8138.1	3113.0	1476.2	692.2	566.0	516.3	501.0	497.2
40°	17863.2	17205.4	14907.0	8210.7	3055.6	1411.2	642.5	516.3	481.9	458.9	458.9
42.5°	18283.9	17614.6	15618.4	8168.7	3040.3	1307.9	642.5	474.2	447.4	424.5	420.7
45°	18192.1	17920.6	15935.8	8149.5	3040.3	1204.6	585.1	462.7	424.5	393.9	386.3
47.5°	18429.2	18073.5	16333.5	8229.8	2979.1	1132.0	493.3	485.7	401.5	363.3	355.7
50°	18471.3	18540.1	17025.7	8646.7	2845.3	1040.2	386.3	478.0	386.3	328.9	321.2
52°	18746.6	18318.3	17236.0	8868.5	2703.8	971.4	325.1	409.2	371.0	305.9	298.3
52.5°	18368.0	18647.2	17285.7	8948.8	2719.1	925.5	313.6	401.5	363.3	305.9	286.8
55°	17943.5	18211.2	17083.1	9120.9	2493.4	726.6	244.8	290.6	328.9	267.7	256.2
57.5°	15595.4	15866.9	14845.8	8352.2	2030.7	512.5	202.7	218.0	290.6	248.6	237.1
60°	13863.0	13668.0	12459.5	6967.8	1441.8	286.8	160.6	168.3	317.4	229.5	225.6
62.5°	12669.8	12253.0	10413.5	5380.8	879.6	191.2	126.2	130.0	244.8	214.2	214.2
65°	9373.3	8906.7	6918.1	3254.5	432.1	133.8	95.6	103.3	153.0	183.6	183.6
67.5°	5350.2	5170.4	3342.4	1468.5	179.7	84.1	72.7	80.3	118.6	149.1	141.5
70°	2459.0	2206.6	1285.0	309.8	84.1	57.4	57.4	65.0	95.6	110.9	103.3
72.5°	719.0	680.7	313.6	49.7	34.4	34.4	38.2	49.7	72.7	84.1	76.5
75°	53.5	34.4	22.9	15.3	15.3	22.9	30.6	49.7	72.7	80.3	65.0
77.5°	3.8	7.6	3.8	3.8	11.5	22.9	34.4	61.2	95.6	99.4	72.7
80°	3.8	3.8	0.0	3.8	11.5	22.9	38.2	68.8	107.1	114.7	61.2
82.5°	0.0	0.0	0.0	3.8	15.3	30.6	45.9	72.7	99.4	122.4	65.0
85°	0.0	0.0	0.0	3.8	22.9	42.1	53.5	19.1	11.5	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°	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9
2.5°	8222.2	8122.8	8084.5	8118.9	8107.5	8096.0	8306.3	8260.4	8252.8	8321.6	8306.3
5°	6172.4	5996.5	6478.3	6283.3	6486.0	6608.4	6631.3	6642.8	6784.3	6635.1	6830.2
7.5°	4397.9	4443.8	4440.0	4570.0	4803.3	5009.8	5132.2	5036.6	5028.9	5009.8	4925.7
10°	3514.5	3434.2	3418.9	3388.3	3461.0	3636.9	3786.0	3667.5	3583.3	3698.1	3663.7
12.5°	2872.0	2761.1	2699.9	2577.6	2581.4	2699.9	2699.9	2699.9	2784.1	2849.1	2898.8
15°	2202.8	2111.0	2111.0	1988.6	1961.9	1965.7	2026.9	2034.5	2168.4	2206.6	2225.7
17.5°	1541.2	1491.5	1548.8	1598.5	1568.0	1575.6	1598.5	1606.2	1625.3	1610.0	1648.3
20°	1185.5	1177.9	1193.2	1281.1	1346.1	1384.4	1357.6	1319.4	1296.4	1242.9	1242.9
22.5°	1005.8	1021.1	1047.9	1120.5	1204.6	1227.6	1197.0	1109.0	1040.2	1032.6	1036.4
25°	894.9	910.2	952.2	998.1	1044.0	1082.3	1051.7	986.7	948.4	914.0	914.0
27.5°	826.0	833.7	856.6	891.1	929.3	959.9	948.4	914.0	871.9	856.6	822.2
30°	772.5	784.0	810.7	818.4	852.8	868.1	849.0	841.3	814.6	795.4	784.0
32.5°	745.7	741.9	761.0	768.7	772.5	784.0	761.0	772.5	768.7	738.1	726.6
35°	562.2	592.8	642.5	684.5	696.0	711.3	707.5	692.2	650.1	615.7	573.6
37.5°	504.8	523.9	550.7	585.1	631.0	650.1	642.5	604.2	554.5	531.6	523.9
40°	466.6	478.0	501.0	523.9	569.8	604.2	577.5	543.0	504.8	485.7	474.2
42.5°	432.1	436.0	447.4	470.4	504.8	558.3	512.5	466.6	451.3	439.8	432.1
45°	393.9	393.9	409.2	420.7	458.9	508.6	462.7	420.7	413.0	405.4	401.5
47.5°	363.3	367.1	374.8	390.1	420.7	455.1	424.5	390.1	371.0	367.1	359.5
50°	325.1	328.9	344.2	359.5	397.7	416.8	397.7	359.5	340.4	328.9	328.9
52°	294.5	305.9	321.2	351.8	378.6	409.2	386.3	344.2	321.2	309.8	302.1
52.5°	290.6	298.3	313.6	348.0	378.6	405.4	382.4	340.4	313.6	305.9	298.3
55°	260.1	271.5	298.3	340.4	374.8	405.4	374.8	336.5	298.3	279.2	271.5
57.5°	248.6	256.2	290.6	344.2	371.0	405.4	374.8	336.5	298.3	263.9	256.2
60°	237.1	252.4	290.6	332.7	367.1	409.2	378.6	332.7	290.6	248.6	248.6
62.5°	225.6	237.1	286.8	325.1	351.8	393.9	363.3	325.1	279.2	237.1	233.3
65°	195.0	214.2	252.4	271.5	302.1	340.4	309.8	283.0	244.8	210.3	206.5
67.5°	149.1	156.8	187.4	210.3	229.5	263.9	248.6	214.2	187.4	160.6	160.6
70°	103.3	110.9	133.8	145.3	164.4	183.6	172.1	145.3	126.2	110.9	107.1
72.5°	72.7	76.5	84.1	91.8	99.4	107.1	103.3	84.1	72.7	68.8	65.0
75°	57.4	65.0	68.8	65.0	61.2	57.4	57.4	49.7	42.1	38.2	38.2
77.5°	57.4	61.2	57.4	49.7	42.1	38.2	34.4	30.6	22.9	19.1	22.9
80°	49.7	49.7	49.7	42.1	38.2	34.4	30.6	26.8	22.9	19.1	19.1
82.5°	53.5	53.5	49.7	42.1	42.1	34.4	34.4	30.6	26.8	19.1	19.1
85°	0.0	0.0	0.0	7.6	19.1	34.4	34.4	30.6	26.8	22.9	22.9
87.5°	0.0	0.0	0.0	0.0	3.8	7.6	15.3	19.1	22.9	22.9	22.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9
2.5°	8444.0	8589.3	8864.7	9140.0	9308.3	9507.2	9866.6	10057.9	10306.4	10428.8	10669.7
5°	6803.4	7147.6	7270.0	7583.5	7920.1	8256.6	8792.0	9381.0	9870.5	10207.0	10643.0
7.5°	4963.9	5044.2	5518.4	5728.8	6279.5	6891.3	7621.8	8363.7	8983.2	9533.9	9866.6
10°	3721.0	4015.5	4313.8	4715.3	5159.0	5790.0	6489.8	7308.2	8111.3	8662.0	9082.7
12.5°	2990.6	3223.9	3621.6	4053.7	4600.6	5017.5	5721.1	6531.9	7572.1	8111.3	8665.8
15°	2264.0	2562.3	3013.5	3461.0	4038.4	4478.2	5189.5	6210.6	7549.1	8291.0	8769.1
17.5°	1678.9	1881.5	2286.9	2787.9	3376.8	3996.4	4956.3	6176.2	7805.4	8688.8	9182.1
20°	1285.0	1353.8	1610.0	2057.5	2696.1	3506.9	4577.7	6325.4	8562.6	9656.3	10157.3
22.5°	1040.2	1070.8	1170.2	1480.0	2099.5	3078.5	4397.9	6428.6	9415.4	10815.1	11484.3
25°	906.4	898.7	963.7	1097.6	1640.6	2677.0	4168.5	6818.7	10459.4	12176.5	12776.9
27.5°	826.0	826.0	856.6	952.2	1361.4	2416.9	4023.1	7097.9	11511.1	13373.5	13698.6
30°	784.0	791.6	879.6	910.2	1132.0	2107.2	3782.2	7380.9	12516.9	14138.4	14585.8
32.5°	726.6	696.0	676.9	753.4	952.2	1828.0	3541.3	7499.4	13331.4	15075.3	15457.7
35°	558.3	543.0	566.0	623.4	818.4	1590.9	3273.6	7633.3	14268.4	16161.4	16237.9
37.5°	504.8	501.0	516.3	566.0	688.4	1384.4	3082.4	7598.8	14983.5	17060.1	16853.6
40°	466.6	466.6	478.0	520.1	615.7	1239.1	2883.5	7568.2	15675.7	18069.7	17465.5
42.5°	436.0	436.0	455.1	481.9	585.1	1143.5	2734.4	7526.2	16257.0	18689.2	17825.0
45°	393.9	405.4	436.0	462.7	592.8	1078.4	2623.5	7365.6	16455.9	18681.6	17652.9
47.5°	363.3	378.6	409.2	447.4	535.4	1059.3	2547.0	7224.1	16387.0	18222.7	17113.6
50°	328.9	348.0	390.1	455.1	455.1	1021.1	2466.7	7350.3	16337.3	17867.0	16597.4
52°	305.9	321.2	374.8	443.6	397.7	940.8	2416.9	7595.0	16540.0	17821.1	16367.9
52.5°	302.1	313.6	363.3	436.0	378.6	925.5	2382.5	7652.4	16605.0	17706.4	16524.7
55°	267.7	283.0	332.7	340.4	309.8	761.0	2271.6	7782.4	16283.8	17480.8	16375.6
57.5°	252.4	260.1	294.5	279.2	267.7	573.6	1954.2	7579.7	14463.4	15526.6	15235.9
60°	233.3	240.9	275.3	218.0	225.6	401.5	1468.5	6581.6	11614.3	12937.5	13461.5
62.5°	225.6	221.8	260.1	175.9	191.2	290.6	1036.4	5350.2	8948.8	10650.6	11557.0
65°	198.9	195.0	187.4	149.1	164.4	225.6	619.5	3491.6	6306.2	8057.8	8554.9
67.5°	153.0	160.6	137.7	118.6	137.7	175.9	344.2	1564.1	3308.0	4833.9	5235.4
70°	107.1	114.7	110.9	103.3	122.4	145.3	198.9	535.4	1369.1	2539.3	2799.4
72.5°	65.0	80.3	84.1	88.0	107.1	126.2	141.5	172.1	363.3	898.7	1116.7
75°	38.2	53.5	65.0	76.5	88.0	107.1	118.6	122.4	126.2	168.3	271.5
77.5°	26.8	38.2	57.4	72.7	88.0	107.1	126.2	133.8	126.2	118.6	126.2
80°	22.9	38.2	53.5	68.8	91.8	110.9	126.2	126.2	122.4	107.1	114.7
82.5°	22.9	38.2	57.4	72.7	88.0	107.1	122.4	126.2	114.7	107.1	110.9
85°	26.8	42.1	61.2	76.5	95.6	88.0	80.3	65.0	61.2	49.7	53.5
87.5°	26.8	38.2	38.2	42.1	45.9	45.9	45.9	42.1	34.4	30.6	30.6
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°	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9	9774.9
2.5°	10681.2	10987.2	10975.7	10983.3	10937.4	10627.7	10478.5	10099.9	10207.0	10161.1
5°	11090.4	11392.5	11652.6	11622.0	11270.1	10849.5	10226.1	9637.2	9476.6	9239.5
7.5°	10681.2	11407.8	11648.8	11614.3	11094.2	10555.0	9560.7	8971.8	8692.6	8535.8
10°	10031.1	10872.4	11170.7	11231.9	10880.1	10061.7	9147.7	8203.1	8053.9	7782.4
12.5°	9660.1	10272.0	10455.6	10620.0	10497.6	9885.8	8834.1	7927.7	7721.2	7541.5
15°	9358.0	9721.3	9797.8	9985.2	10057.9	9729.0	8998.5	8226.0	7717.4	7698.3
17.5°	9637.2	9488.0	9208.9	9266.2	9495.7	9732.8	9423.0	8815.0	8321.6	8260.4
20°	10099.9	9442.1	8811.1	8952.6	9143.8	9870.5	10065.5	9637.2	9354.2	9197.4
22.5°	10631.5	9522.5	8684.9	8753.8	9117.1	10180.2	11105.7	10868.6	10340.8	10115.2
25°	11614.3	9744.3	8784.4	8830.3	9327.4	10612.4	12046.5	12222.4	11908.8	11862.9
27.5°	12574.2	10317.9	9002.4	8899.1	9434.5	11033.0	12616.3	13560.9	13010.2	12903.1
30°	13063.7	10784.5	9327.4	9151.5	9878.1	11289.3	12960.5	14432.8	13951.0	13901.3
32.5°	13813.3	11209.0	9579.8	9354.2	10126.7	11606.7	13603.0	15385.1	14918.5	14669.9
35°	14126.9	11671.7	10134.3	9870.5	10838.0	12050.3	13931.8	16234.1	16088.7	15847.8
37.5°	14731.1	12168.9	10788.3	10773.0	11698.5	12627.8	14524.6	17389.0	17362.2	16945.4
40°	14780.8	12711.9	11820.8	12302.7	13029.3	13633.6	15044.7	17710.2	18146.2	17863.2
42.5°	14857.3	13664.1	13606.8	14004.5	14627.9	14497.8	15063.8	17786.7	18452.1	18283.9
45°	14891.7	14616.4	15423.3	16157.6	16417.6	15629.8	14884.1	17641.4	18612.8	18192.1
47.5°	14616.4	15434.8	16891.8	18310.6	18387.1	16325.8	14807.6	17492.2	18708.4	18429.2
50°	14654.6	15947.2	18161.5	19431.2	19152.0	16941.6	14689.1	17400.5	18658.7	18471.3
52°	14562.9	15958.7	18341.2	19408.2	19213.2	16601.2	14486.4	17048.6	18612.8	18746.6
52.5°	14666.1	15889.9	18153.8	19423.5	19171.1	16769.5	14459.6	17243.7	18639.5	18368.0
55°	14310.4	15071.5	17056.3	17595.5	17557.3	15220.6	13637.4	16597.4	17939.7	17943.5
57.5°	12933.7	13063.7	13377.3	13365.9	13189.9	11966.2	11664.0	15262.7	15993.1	15595.4
60°	11396.3	9564.5	8719.4	8375.2	8180.1	7981.3	10317.9	13962.4	14031.3	13863.0
62.5°	9847.5	6631.3	5507.0	5411.4	5457.2	6183.9	9973.7	13446.2	13033.1	12669.8
65°	7946.8	4833.9	4000.2	3874.0	4321.4	5105.4	8073.1	10310.3	9675.4	9373.3
67.5°	4990.7	3526.0	2703.8	2466.7	3005.9	3514.5	5304.3	6478.3	5767.0	5350.2
70°	2960.0	1969.5	1223.8	1097.6	1235.2	1873.9	2971.5	3231.5	2673.2	2459.0
72.5°	1166.4	722.8	340.4	290.6	302.1	657.8	1093.7	1067.0	806.9	719.0
75°	313.6	218.0	118.6	95.6	80.3	122.4	175.9	114.7	42.1	53.5
77.5°	145.3	130.0	103.3	80.3	61.2	45.9	22.9	7.6	7.6	3.8
80°	126.2	110.9	95.6	80.3	61.2	38.2	19.1	3.8	3.8	3.8
82.5°	118.6	103.3	88.0	72.7	57.4	38.2	19.1	3.8	0.0	0.0
85°	49.7	65.0	72.7	68.8	61.2	38.2	19.1	3.8	0.0	0.0
87.5°	26.8	22.9	19.1	15.3	11.5	7.6	7.6	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

(END OF REPORT)