

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: P193074

Luminaire Tested: **GLEON-AF-06-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-AF-06-LED-E1-SLR-7030
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30258.2 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 333
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: 25 FT

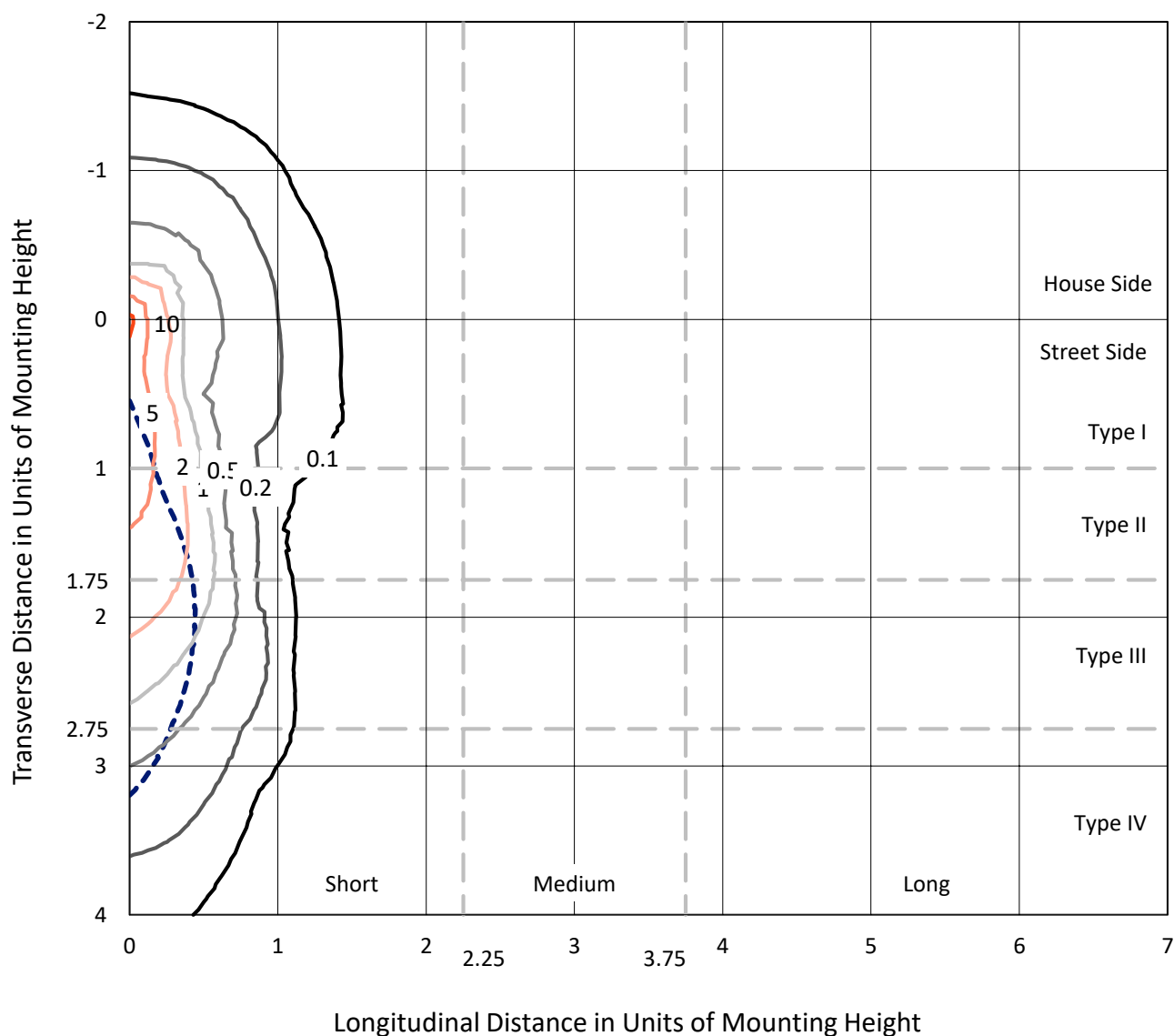


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

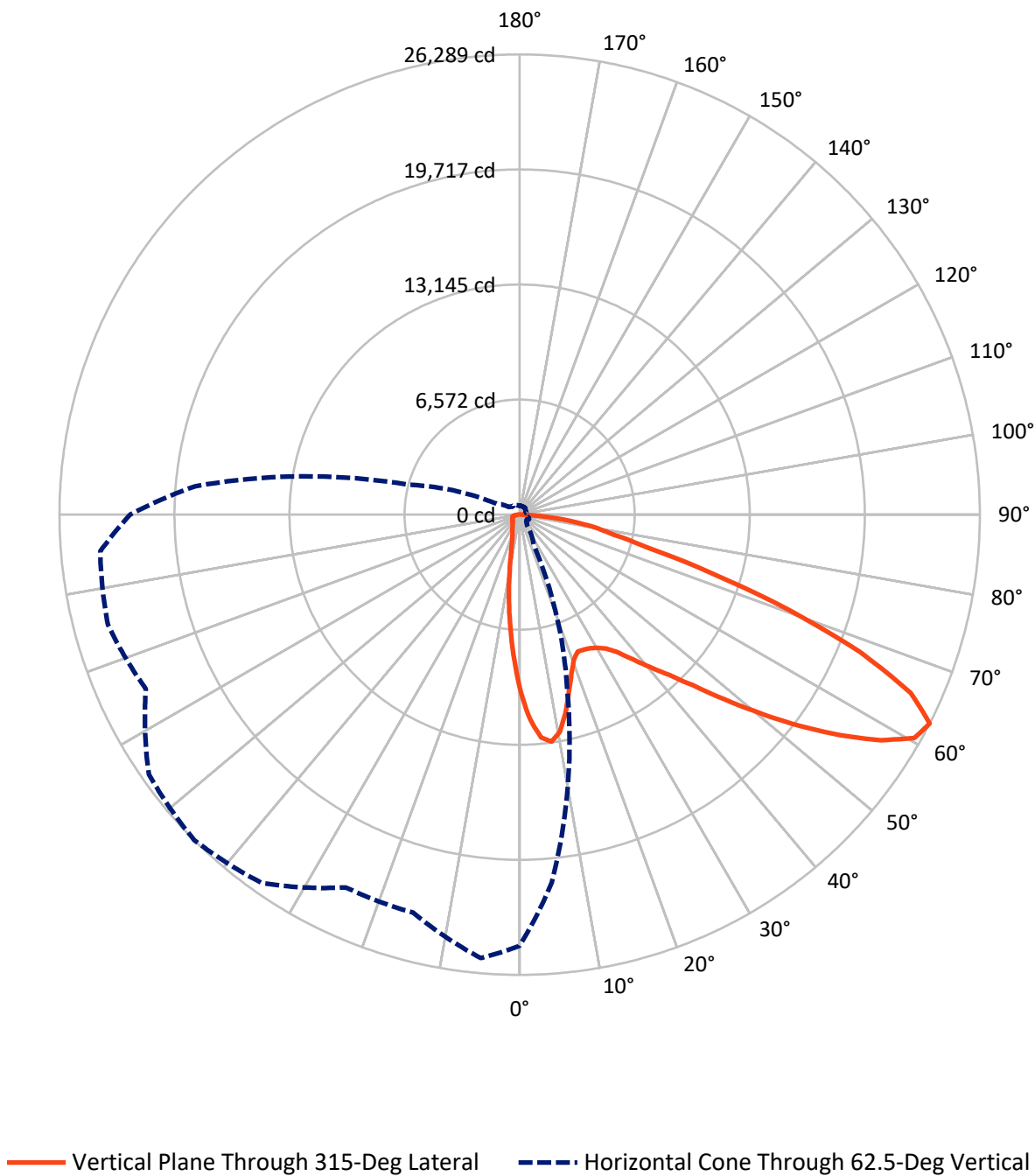


Based on 30 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5007.3	0.0	5007.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	25250.9	0.0	25250.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	30258.2	0.0	30258.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.2	2.5
10°-20°	1364.6	4.5
20°-30°	1989.6	6.6
30°-40°	3064.3	10.1
40°-50°	4509.8	14.9
50°-60°	6615.0	21.9
60°-70°	7394.6	24.4
70°-80°	3620.3	12.0
80°-90°	955.8	3.2
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°	30258.2	100.0
0°-180°	30258.2	100.0

Coefficient of Utilization



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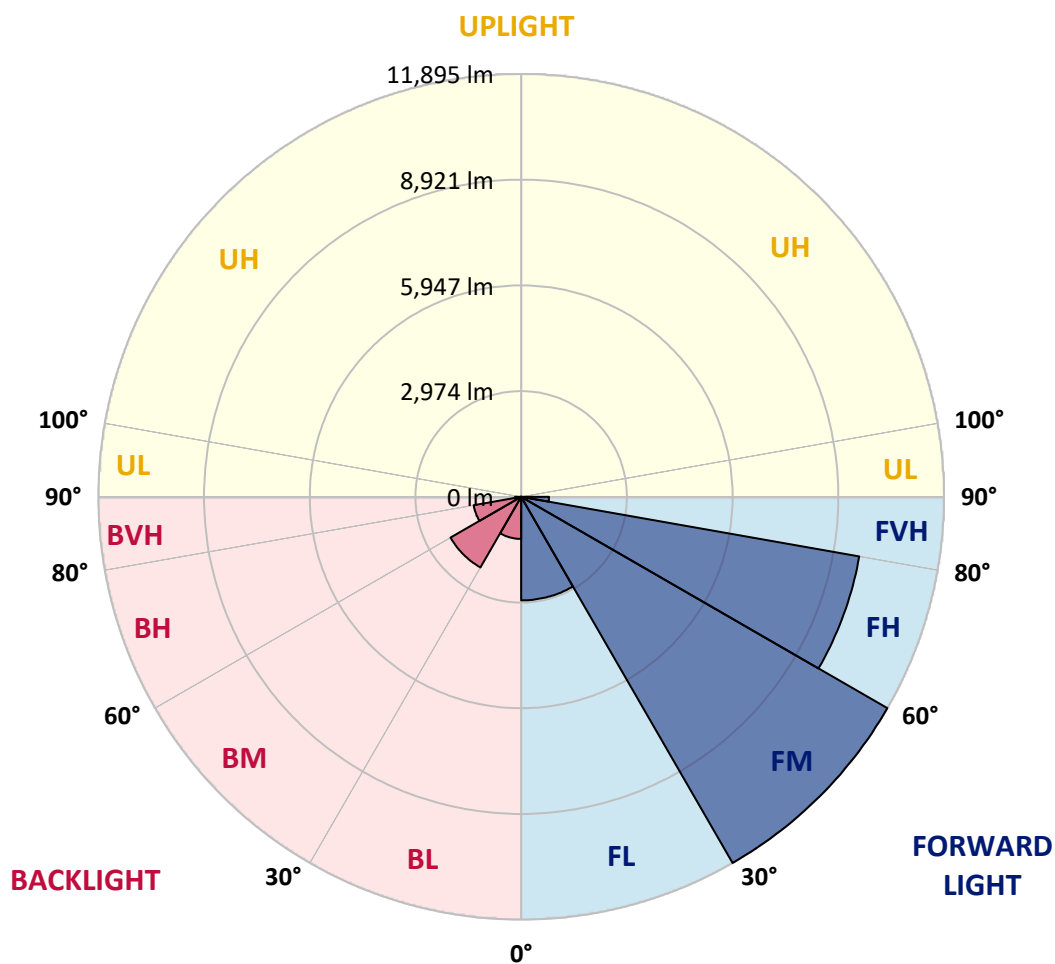
CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2913.8	9.6			
FM	(30°-60°)	11894.8	39.3			
FH	(60°-80°)	9657.4	31.9			G4/12000
FVH	(80°-90°)	785.0	2.6			G5
BL	(0°-30°)	1184.7	3.9	B3/2500		
BM	(30°-60°)	2294.3	7.6	B2/2500		
BH	(60°-80°)	1357.5	4.5	B3/2500		G3/2500
BVH	(80°-90°)	170.9	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9
2.5°	10622.0	10405.9	10046.6	9672.2	9444.5	9178.4	8970.4	8787.4	8421.4	8349.9	8414.8
5°	9988.4	9554.1	8877.2	8195.2	7741.1	7253.8	6874.6	6570.2	6106.1	6024.5	6122.8
7.5°	8972.1	8453.1	7558.2	6688.3	6046.2	5437.4	5028.2	4702.3	4339.7	4183.3	4193.3
10°	8095.4	7509.9	6452.1	5505.7	4980.0	4569.2	4224.8	3890.5	3522.9	3281.7	3215.3
12.5°	7604.8	6931.1	5711.8	4867.0	4379.5	3947.1	3576.2	3218.6	2826.0	2579.8	2510.0
15°	7520.0	6788.1	5434.1	4457.8	3847.3	3300.0	2862.6	2463.4	2059.2	1859.6	1818.1
17.5°	7887.5	7044.3	5344.3	4093.5	3346.6	2671.3	2134.1	1688.3	1358.9	1259.1	1250.8
20°	8592.8	7536.6	5332.6	3750.9	2852.6	2060.8	1487.0	1162.6	1018.0	989.7	991.3
22.5°	9582.5	8300.1	5475.7	3493.0	2398.6	1537.0	1117.7	973.1	916.4	889.9	889.9
25°	10863.2	9351.3	5805.1	3305.1	2004.4	1227.5	986.4	899.9	846.6	828.3	831.7
27.5°	12104.1	10374.2	6187.6	3157.0	1746.5	1114.5	934.8	856.6	810.0	791.8	800.1
30°	13072.3	11282.4	6506.9	2955.8	1615.1	1082.9	953.1	873.2	806.8	778.5	780.1
32.5°	13873.8	12077.5	6774.7	2811.0	1498.7	928.1	821.7	786.7	778.5	745.1	728.5
35°	14898.5	12944.1	6954.5	2814.4	1443.8	828.3	731.8	670.3	625.4	587.2	587.2
37.5°	16099.5	13938.7	7145.7	2852.6	1423.8	770.2	700.3	638.7	597.1	560.5	554.0
40°	17287.1	14913.5	7320.4	2889.3	1412.1	735.2	675.3	618.7	580.5	543.9	533.9
42.5°	18296.7	15715.2	7476.7	2907.5	1372.3	731.8	656.9	605.4	568.9	529.0	519.0
45°	19043.6	16387.2	7644.7	2935.8	1332.3	745.1	656.9	603.7	558.9	520.6	510.7
47.5°	19710.6	17175.7	7925.7	2935.8	1284.2	720.2	678.6	605.4	557.2	517.4	508.9
50°	20603.8	18256.7	8458.1	2867.6	1215.9	693.6	715.2	598.8	542.3	510.7	500.6
52.5°	21834.6	19642.3	9303.1	2749.5	1111.0	642.0	710.3	595.5	527.2	494.0	482.4
55°	23290.0	21126.1	10224.5	2611.4	954.7	605.4	685.3	587.2	510.7	474.0	462.3
57.5°	24426.1	22147.3	10873.3	2398.6	818.4	585.5	607.2	578.8	490.7	452.5	442.5
60°	24878.6	22107.4	11051.2	2114.0	751.8	568.9	530.6	648.7	474.0	435.8	424.2
62.5°	24634.0	21086.2	10552.3	1914.5	736.9	547.3	497.3	600.5	460.7	424.2	407.5
65°	23504.6	19276.4	9229.9	1861.2	780.1	525.6	475.8	470.7	442.5	407.5	390.9
67.5°	21044.5	16571.8	7390.2	1866.2	835.0	504.0	454.1	430.8	417.5	389.2	374.2
70°	17140.7	13102.2	5509.0	1879.6	863.2	479.0	430.8	405.9	390.9	362.6	352.6
72.5°	12603.0	10098.1	4001.9	1793.1	868.3	450.8	399.3	377.6	362.6	332.7	324.4
75°	8622.7	7724.5	2776.1	1485.4	756.8	410.9	364.3	344.2	334.4	297.7	292.7
77.5°	6299.1	5798.4	1776.4	1102.8	583.9	361.0	321.0	306.0	299.4	259.5	252.8
80°	5054.9	4587.5	1111.0	755.2	427.5	302.7	269.5	261.1	254.5	214.5	209.6
82.5°	3506.3	3072.2	713.6	490.7	321.0	234.6	212.9	209.6	199.6	163.1	158.0
85°	1849.6	1668.3	452.5	334.4	232.8	161.3	148.0	148.0	143.0	108.1	104.8
87.5°	236.2	384.3	229.6	174.6	128.1	71.6	71.6	69.8	74.9	61.5	53.2
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9
2.5°	8261.7	8341.6	8265.1	8270.2	8354.9	8607.8	8722.5	8817.3	8918.9	8985.4	9015.3
5°	5988.1	6174.3	6237.5	6370.6	6566.8	6889.6	7017.6	7110.8	7172.4	7208.9	7223.9
7.5°	4095.1	4208.2	4334.7	4549.2	4976.8	5166.4	5251.1	5229.5	5159.7	5134.7	5109.7
10°	3087.1	3042.3	3019.0	3137.1	3483.0	3674.3	3734.2	3676.0	3637.7	3646.0	3687.6
12.5°	2391.9	2313.7	2218.9	2205.6	2433.4	2604.7	2643.1	2646.4	2716.1	2777.8	2869.2
15°	1743.2	1734.8	1688.3	1659.9	1789.7	1929.5	1946.1	1976.1	2039.3	2084.1	2164.0
17.5°	1229.1	1274.1	1310.7	1329.0	1427.2	1526.9	1508.7	1493.7	1482.0	1482.0	1520.4
20°	991.3	1021.2	1067.9	1121.1	1220.9	1290.8	1245.9	1186.0	1142.8	1129.4	1134.4
22.5°	893.2	916.4	943.1	989.7	1079.5	1127.8	1079.5	1036.3	993.0	978.1	973.1
25°	843.3	873.2	898.2	933.2	999.6	1032.9	986.4	954.7	928.1	909.8	896.6
27.5°	815.1	841.7	848.3	864.9	921.5	951.4	928.1	914.8	898.2	881.6	864.9
30°	785.1	780.1	768.4	770.2	815.1	845.0	843.3	846.6	845.0	839.9	836.7
32.5°	716.8	706.9	697.0	706.9	748.5	775.0	776.8	783.4	783.4	781.7	795.1
35°	597.1	615.4	627.0	656.9	706.9	730.2	720.2	703.6	673.7	655.3	653.7
37.5°	552.2	555.6	575.5	617.1	672.0	693.6	678.6	640.4	620.4	617.1	622.1
40°	530.6	533.9	545.5	583.9	638.7	660.4	647.1	618.7	600.5	598.8	607.2
42.5°	515.6	519.0	525.6	552.2	597.1	623.8	625.4	605.4	583.9	585.5	593.9
45°	507.3	508.9	507.3	520.6	562.2	593.9	607.2	593.9	575.5	578.8	588.8
47.5°	505.7	500.6	494.0	497.3	540.7	572.2	588.8	583.9	575.5	578.8	587.2
50°	499.0	487.4	479.0	477.4	520.6	554.0	568.9	568.9	572.2	578.8	587.2
52.5°	479.0	465.8	465.8	460.7	507.3	538.8	548.9	550.5	555.6	567.2	578.8
55°	454.1	449.0	454.1	445.8	497.3	527.2	532.3	535.6	538.8	548.9	565.5
57.5°	432.4	425.8	437.5	434.1	489.1	515.6	515.6	522.3	522.3	535.6	548.9
60°	420.8	407.5	412.5	415.8	477.4	505.7	502.4	508.9	512.3	523.9	533.9
62.5°	405.9	394.2	394.2	402.5	464.1	490.7	489.1	494.0	507.3	510.7	520.6
65°	387.6	382.5	377.6	387.6	450.8	474.0	475.8	482.4	494.0	497.3	505.7
67.5°	369.3	370.9	361.0	370.9	439.1	457.5	457.5	470.7	475.8	482.4	490.7
70°	349.3	350.9	342.6	354.3	430.8	439.1	437.5	455.7	459.1	464.1	472.4
72.5°	324.4	324.4	321.0	337.6	417.5	420.8	417.5	432.4	434.1	439.1	442.5
75°	297.7	297.7	294.5	317.7	409.1	400.9	390.9	402.5	405.9	409.1	409.1
77.5°	262.8	266.1	266.1	294.5	380.9	392.6	359.3	365.9	370.9	372.6	367.5
80°	219.6	228.0	231.2	267.8	319.4	362.6	321.0	326.0	327.7	327.7	321.0
82.5°	168.0	183.0	191.3	231.2	244.5	304.4	279.4	284.4	279.4	269.5	266.1
85°	116.5	136.3	146.4	176.4	184.6	234.6	232.8	232.8	222.9	209.6	207.9
87.5°	63.3	74.9	81.5	104.8	126.4	158.0	171.3	166.3	158.0	149.6	151.4
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9
2.5°	9171.7	9397.8	9758.8	10034.9	10312.7	10580.4	10869.8	11091.1	11279.1	11352.2	11575.2
5°	7375.2	7658.0	7999.0	8614.4	9050.2	9530.9	10086.5	10821.7	11104.4	11495.2	12135.8
7.5°	5214.5	5470.7	6019.6	6517.0	7134.1	7814.3	8564.5	9579.2	9950.1	10577.2	11620.0
10°	3893.9	4191.6	4632.4	5051.6	5595.5	6290.7	7152.3	8286.8	8737.5	9417.8	10618.8
12.5°	3137.1	3488.0	3955.4	4349.6	4770.5	5261.2	6097.8	7342.0	7945.8	8541.3	9755.4
15°	2410.2	2777.8	3211.9	3712.5	4176.7	4705.6	5582.2	6942.8	7638.1	8258.5	9294.6
17.5°	1668.3	1982.7	2529.9	3052.2	3646.0	4323.1	5439.2	7027.5	7857.6	8572.8	9374.6
20°	1182.6	1362.3	1811.4	2416.9	3157.0	4007.0	5412.4	7473.4	8553.0	9369.5	9886.9
22.5°	994.7	1061.2	1322.4	1877.9	2732.9	3770.7	5505.7	8098.9	9491.1	10533.9	10703.6
25°	906.6	946.4	1082.9	1473.7	2355.3	3599.4	5820.0	9030.3	10652.0	11698.3	11668.4
27.5°	858.2	899.9	989.7	1244.1	2070.9	3493.0	6134.4	10134.7	11979.4	12962.4	12589.8
30°	843.3	899.9	994.7	1172.7	1867.9	3325.0	6392.2	11104.4	13000.6	13815.8	13009.0
32.5°	831.7	839.9	883.3	1011.3	1675.0	3128.7	6566.8	11974.4	14000.3	14627.4	13612.7
35°	672.0	713.6	783.4	906.6	1561.9	3010.6	6566.8	12724.6	14985.0	15447.4	14188.3
37.5°	647.1	683.6	745.1	849.9	1498.7	2952.4	6435.5	13448.0	15991.3	16377.2	14662.3
40°	633.7	663.6	721.8	806.8	1472.0	2885.9	6244.1	14086.8	16974.4	17308.7	15104.8
42.5°	623.8	650.3	705.3	780.1	1437.1	2812.7	6089.4	14599.1	17827.7	18103.7	15527.3
45°	618.7	647.1	706.9	793.4	1367.3	2716.1	6037.8	15152.9	18529.6	18767.5	15984.6
47.5°	618.7	652.1	715.2	821.7	1284.2	2616.4	6199.3	15883.2	19193.2	19309.7	16523.6
50°	613.8	650.3	738.5	793.4	1162.6	2490.0	6578.5	16803.0	19911.9	19925.1	17205.6
52.5°	603.7	647.1	795.1	776.8	1023.0	2323.7	7090.8	17984.0	20974.7	21054.5	18273.4
55°	592.1	642.0	780.1	738.5	908.2	2125.7	7509.9	19419.4	22468.4	22689.6	19843.5
57.5°	577.2	635.4	755.2	685.3	833.3	1871.3	7661.4	20470.7	23511.3	24066.9	21613.4
60°	563.9	630.4	682.0	653.7	786.7	1656.7	7368.6	20262.7	23439.7	24637.3	23182.0
62.5°	550.5	635.4	622.1	633.7	765.2	1518.6	6603.4	18597.8	22253.8	24048.5	24344.6
65°	535.6	590.4	587.2	617.1	760.1	1463.7	5474.0	16101.1	19961.6	22187.3	24619.1
67.5°	515.6	545.5	562.2	595.5	776.8	1415.5	4417.8	13281.8	16776.4	19397.9	23188.5
70°	494.0	519.0	537.2	568.9	766.8	1393.9	3674.3	10474.0	13311.7	15898.2	20365.9
72.5°	465.8	487.4	504.0	533.9	756.8	1382.2	3103.8	8434.9	9938.4	11809.8	16558.6
75°	432.4	452.5	464.1	494.0	725.3	1265.8	2440.1	7137.4	7436.7	8215.2	13188.5
77.5°	394.2	409.1	419.1	452.5	642.0	1052.9	1764.7	5505.7	5775.1	5964.7	10111.4
80°	349.3	364.3	369.3	400.9	532.3	823.4	1151.0	4066.8	4319.7	4362.9	6603.4
82.5°	297.7	312.7	312.7	342.6	435.8	592.1	755.2	2786.1	2836.1	2982.3	4667.3
85°	239.5	251.2	251.2	266.1	337.6	442.5	519.0	1398.8	1383.9	1580.2	4043.5
87.5°	171.3	179.6	187.9	191.3	241.1	292.7	312.7	425.8	281.2	322.7	2596.4
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9
2.5°	11743.1	11838.0	11741.5	11671.6	11370.6	11122.7	10791.7	10622.0
5°	12623.0	12864.3	12782.8	12490.0	11861.3	11154.4	10350.9	9988.4
7.5°	12516.6	13077.1	13090.5	12543.2	11616.8	10575.5	9487.6	8972.1
10°	11688.2	12405.2	12609.7	12079.1	11096.2	9931.7	8684.3	8095.4
12.5°	10763.4	11465.3	11621.7	11438.8	10617.0	9447.7	8182.0	7604.8
15°	10006.6	10320.9	10507.4	10667.0	10206.2	9254.8	8153.7	7520.0
17.5°	9545.9	9510.9	9564.2	9842.0	9920.2	9476.0	8586.1	7887.5
20°	9379.6	8845.6	8832.3	9214.9	9785.4	10003.3	9431.1	8592.8
22.5°	9471.0	8606.2	8496.3	8950.4	9857.0	10763.4	10538.9	9582.5
25°	9787.1	8626.0	8537.9	8977.1	10116.5	11573.5	11734.9	10863.2
27.5°	10284.5	8752.4	8636.1	9086.8	10460.7	12253.8	12912.5	12104.1
30°	10756.8	8972.1	8827.4	9303.1	10775.1	12523.3	13634.4	13072.3
32.5°	11330.6	9382.8	9128.4	9700.6	11164.3	12952.3	14278.1	13873.8
35°	11892.9	9968.4	9652.3	10314.4	11598.4	13486.3	15013.4	14898.5
37.5°	12509.9	10733.5	10472.4	11107.8	12192.2	13990.3	15951.5	16099.5
40°	13168.7	11748.1	11438.8	12265.5	13113.8	14622.3	16931.2	17287.1
42.5°	13832.3	12874.2	12504.9	13343.3	14126.6	15246.1	17769.4	18296.7
45°	14592.4	14096.7	13922.2	14828.6	15099.7	15840.0	18388.3	19043.6
47.5°	15477.3	15484.0	15765.1	16127.8	16081.1	16512.0	19010.2	19710.6
50°	16510.2	17215.6	17835.9	18077.2	17092.4	17233.8	19873.6	20603.8
52.5°	17751.2	19286.5	20054.9	19896.8	18182.0	18115.4	21240.8	21834.6
55°	19303.1	21478.6	22242.1	22129.1	19434.4	19316.4	22944.1	23290.0
57.5°	21099.4	23602.7	24304.7	23795.7	20938.1	20633.7	24352.9	24426.1
60°	22678.0	25286.1	25901.4	25337.7	22455.1	22035.9	25232.8	24878.6
62.5°	23556.2	25856.5	26289.1	25681.9	23494.7	23529.5	25425.7	24634.0
65°	23163.6	24414.4	24554.2	24504.2	23226.9	24396.2	24732.2	23504.6
67.5°	21014.6	20768.4	21002.9	21327.3	20931.5	23255.1	22811.0	21044.5
70°	17228.9	15876.6	16344.0	16561.8	16741.5	20011.6	19798.7	17140.7
72.5°	12984.1	11122.7	11492.0	11447.1	12278.8	16051.2	15397.5	12603.0
75°	9199.9	7541.6	7588.2	7569.8	8567.9	12558.1	11149.4	8622.7
77.5°	6437.1	5464.0	5488.9	5592.1	5760.1	9471.0	7965.8	6299.1
80°	4426.1	4146.7	4284.7	4293.2	3992.0	6362.2	5884.9	5054.9
82.5°	3296.7	2882.6	2849.3	2897.5	3128.7	5154.7	4522.6	3506.3
85°	2699.6	1706.6	1372.3	1719.8	2772.8	5104.8	3004.0	1849.6
87.5°	1520.4	810.0	365.9	678.6	1106.1	3379.9	868.3	236.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)