

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: P192764

Luminaire Tested: **GLEON-AF-06-LED-E1-RW-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
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-RW-7030-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38610 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B5 - U0 - G5

Input Watts (W): 382
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



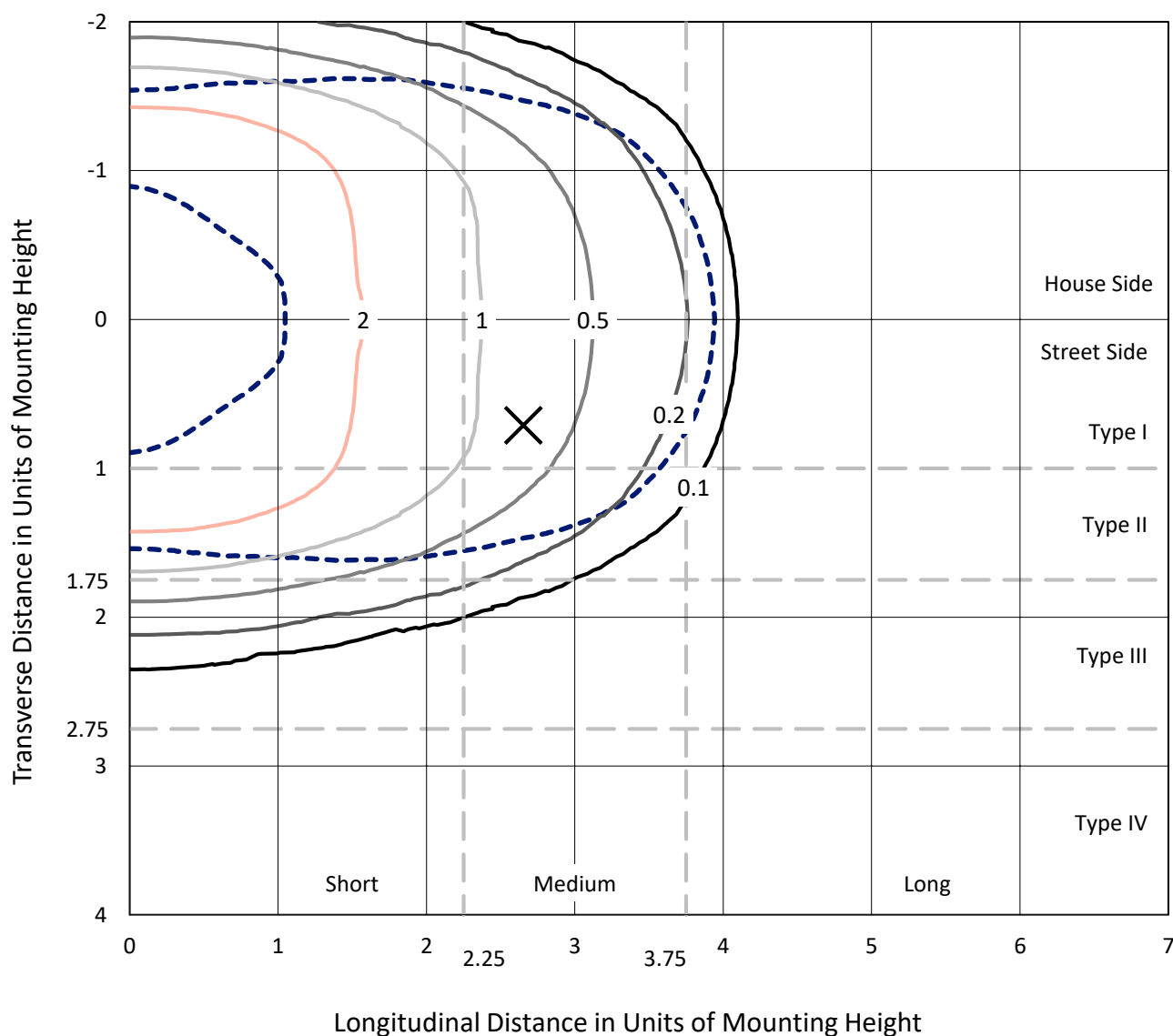
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

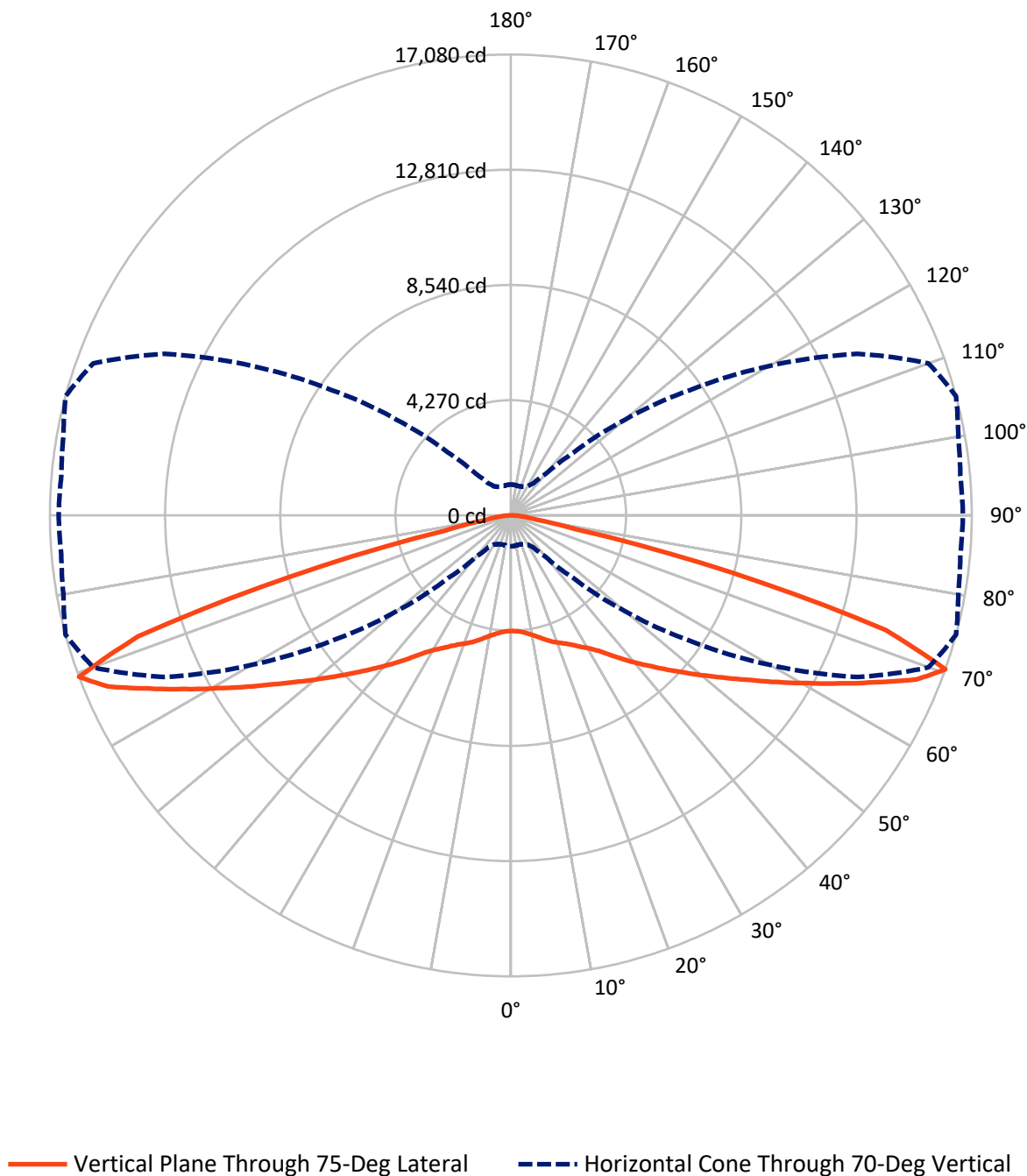


Based on 30 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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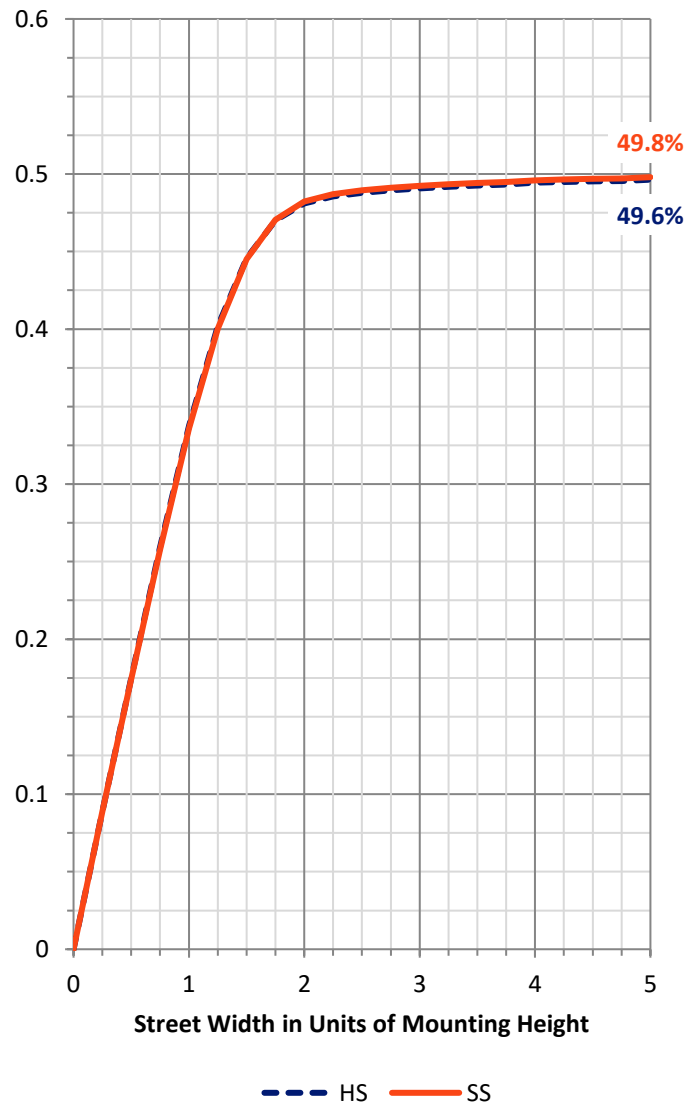
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19305.0	0.0	19305.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19305.0	0.0	19305.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38610.0	0.0	38610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.7	1.1
10°-20°	1276.3	3.3
20°-30°	2402.1	6.2
30°-40°	4253.7	11.0
40°-50°	7113.5	18.4
50°-60°	9912.7	25.7
60°-70°	9192.4	23.8
70°-80°	3663.5	9.5
80°-90°	385.1	1.0
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°	38610.0	100.0
0°-180°	38610.0	100.0

Coefficient of Utilization



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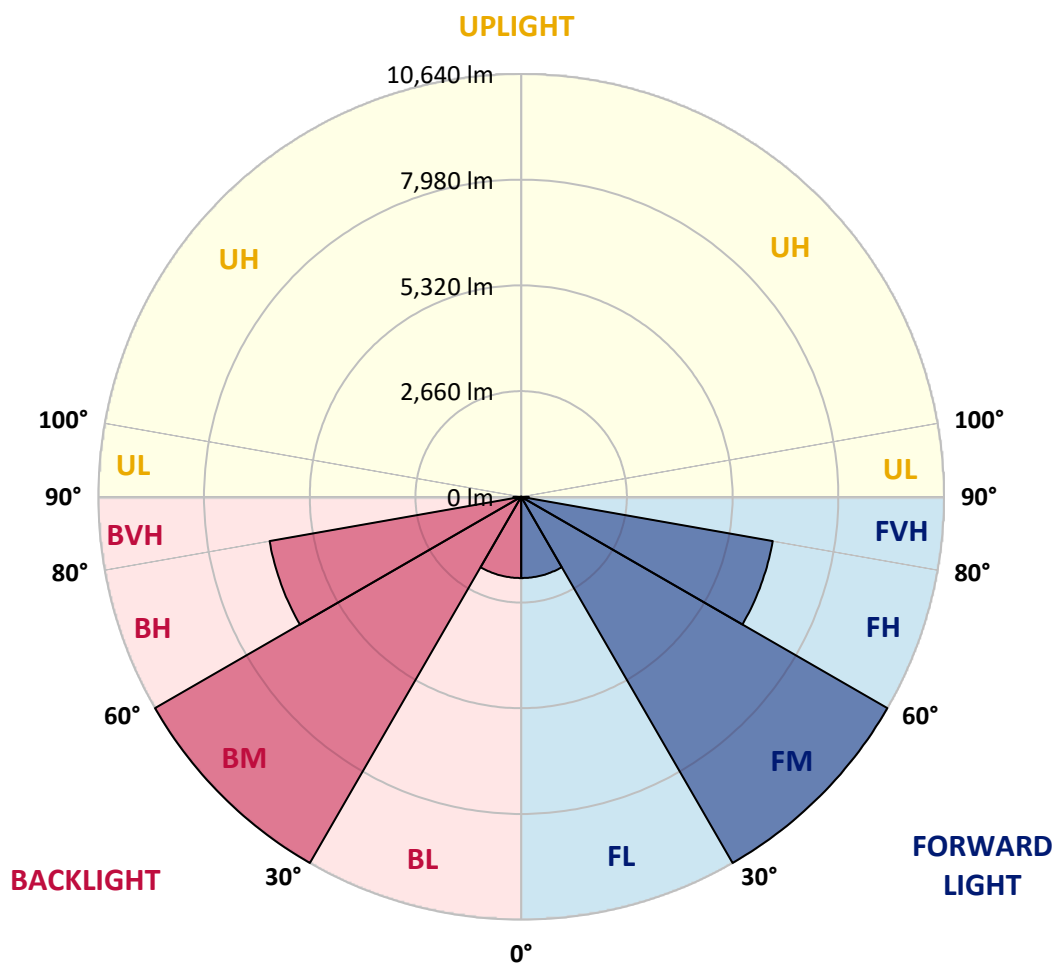
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2044.6	5.3			
FM	(30°-60°)	10640.0	27.6			
FH	(60°-80°)	6428.0	16.6			G3/7500
FVH	(80°-90°)	192.5	0.5			G2/225
BL	(0°-30°)	2044.6	5.3	B3/2500		
BM	(30°-60°)	10640.0	27.6	B5		
BH	(60°-80°)	6428.0	16.6	B5		G5
BVH	(80°-90°)	192.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4282.8	4282.8	4282.8	4282.8	4282.8	4282.8	4282.8	4282.8	4282.8	4282.8	4282.8
2.5°	4275.5	4271.8	4275.5	4273.6	4277.3	4277.3	4280.9	4288.2	4288.2	4293.7	4291.9
5°	4233.5	4231.6	4237.2	4242.6	4248.1	4259.0	4270.0	4286.3	4299.2	4308.3	4317.4
7.5°	4151.5	4151.5	4158.6	4171.4	4184.2	4207.9	4233.5	4266.3	4299.2	4326.5	4350.2
10°	4083.9	4087.5	4096.6	4118.5	4140.4	4176.9	4211.6	4259.0	4304.6	4350.2	4386.8
12.5°	4043.6	4049.1	4065.6	4098.5	4134.9	4184.2	4237.2	4297.3	4348.4	4403.1	4439.6
15°	4056.5	4060.2	4083.9	4124.0	4171.4	4233.5	4304.6	4375.9	4436.0	4494.4	4543.6
17.5°	4127.6	4133.2	4160.5	4206.2	4255.4	4328.5	4405.0	4485.3	4560.2	4625.8	4686.0
20°	4255.4	4260.9	4295.5	4344.8	4403.1	4478.0	4554.7	4638.6	4722.5	4791.9	4859.5
22.5°	4436.0	4445.1	4478.0	4527.2	4592.9	4673.2	4764.5	4854.0	4934.1	4998.1	5058.2
25°	4673.2	4693.3	4724.4	4779.1	4848.4	4921.5	5019.9	5111.1	5187.8	5248.0	5291.9
27.5°	5009.0	5036.5	5060.2	5113.0	5180.5	5249.9	5348.5	5428.8	5501.8	5560.1	5593.0
30°	5454.2	5481.6	5505.3	5556.5	5618.4	5684.2	5777.2	5848.4	5894.0	5939.7	5937.8
32.5°	5994.4	6023.6	6032.8	6087.5	6151.3	6222.6	6306.5	6346.6	6383.0	6388.5	6355.7
35°	6598.3	6613.0	6649.5	6722.5	6795.5	6853.9	6934.1	6954.3	6954.3	6926.8	6853.9
37.5°	7260.9	7269.9	7321.0	7403.1	7477.9	7538.2	7592.9	7633.1	7612.9	7554.6	7432.4
40°	7987.1	8003.5	8076.5	8149.4	8233.4	8289.9	8348.4	8355.6	8335.6	8249.8	8083.8
42.5°	8680.4	8695.1	8768.0	8883.0	8992.5	9070.9	9125.7	9136.7	9072.8	8994.3	8788.2
45°	9277.2	9315.5	9410.4	9545.4	9704.2	9815.6	9890.2	9921.3	9864.8	9762.6	9523.5
47.5°	9749.8	9788.1	9923.2	10083.7	10280.8	10461.5	10585.6	10651.2	10636.6	10560.0	10299.0
50°	10096.5	10133.0	10279.0	10476.0	10706.0	10930.4	11142.0	11299.0	11353.7	11319.0	11080.1
52.5°	10136.6	10196.8	10368.3	10633.0	10932.3	11238.9	11539.9	11806.3	11987.0	12014.3	11837.3
55°	9576.5	9636.6	9873.9	10266.2	10711.4	11211.4	11693.2	12142.1	12497.9	12680.4	12587.3
57.5°	8255.3	8362.9	8612.9	9072.8	9727.9	10476.0	11244.3	12041.7	12766.2	13249.8	13342.7
60°	6326.5	6454.3	6706.0	7195.0	7925.0	8817.3	9842.8	11021.6	12300.9	13388.4	14038.0
62.5°	4058.3	4178.7	4443.3	4868.5	5463.4	6430.6	7530.8	8930.5	10649.4	12366.5	13913.9
65°	2085.8	2151.5	2290.1	2547.4	3010.8	3733.5	4720.6	6116.7	8081.9	10200.6	12437.6
67.5°	1321.2	1333.9	1364.9	1401.5	1520.1	1770.0	2229.9	3100.3	4717.0	6926.8	9545.4
70°	1142.3	1142.3	1127.7	1122.2	1136.9	1171.5	1242.8	1445.2	1990.8	3288.2	5505.3
72.5°	1045.6	1034.6	1009.1	989.1	985.4	985.4	999.9	1031.0	1118.6	1339.4	2155.0
75°	963.4	932.4	897.8	874.1	864.9	855.8	854.0	859.5	877.7	912.5	1029.2
77.5°	863.1	822.9	782.9	759.2	748.2	735.5	724.4	711.8	702.5	713.5	764.6
80°	742.6	697.1	666.1	651.4	640.5	622.2	598.5	576.7	556.5	553.0	583.9
82.5°	598.5	545.6	547.4	553.0	532.8	507.3	481.8	458.1	423.4	405.2	423.4
85°	483.6	456.1	443.4	478.1	448.9	410.6	370.4	328.5	273.7	229.9	249.9
87.5°	187.9	187.9	281.1	432.4	388.6	317.5	271.9	231.7	144.1	111.3	113.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	4282.8	4282.8	4282.8	4282.8	4282.8	4282.8	4282.8	4282.8
2.5°	4290.1	4293.7	4291.9	4290.1	4290.1	4288.2	4290.1	4290.1
5°	4323.0	4332.0	4332.0	4335.6	4335.6	4337.5	4339.3	4337.5
7.5°	4372.1	4388.6	4399.6	4412.3	4414.2	4415.9	4419.6	4415.9
10°	4421.4	4454.3	4478.0	4501.7	4512.6	4516.3	4519.9	4519.9
12.5°	4483.5	4529.2	4571.1	4613.0	4633.1	4644.1	4644.1	4651.3
15°	4585.7	4631.3	4680.5	4737.2	4771.8	4790.0	4795.5	4795.5
17.5°	4729.9	4769.9	4811.9	4866.7	4910.4	4934.1	4939.7	4937.9
20°	4897.6	4936.0	4959.8	4994.5	5032.7	5060.2	5067.5	5067.5
22.5°	5089.3	5111.1	5114.9	5125.8	5156.8	5193.3	5209.7	5213.5
25°	5300.9	5306.5	5291.9	5291.9	5311.9	5346.6	5363.0	5364.8
27.5°	5574.7	5547.3	5510.8	5498.0	5510.8	5551.0	5571.0	5578.3
30°	5916.0	5850.3	5766.2	5720.7	5713.3	5766.2	5802.8	5808.2
32.5°	6306.5	6211.5	6100.3	6007.2	5983.5	6016.3	6060.1	6058.2
35°	6769.9	6656.8	6521.8	6403.1	6348.4	6381.3	6443.2	6450.5
37.5°	7304.6	7156.8	7001.7	6852.0	6766.3	6775.3	6841.0	6863.0
40°	7901.3	7709.7	7514.5	7313.7	7191.5	7167.7	7248.0	7260.9
42.5°	8539.9	8293.7	8047.3	7799.2	7642.1	7605.6	7698.7	7693.3
45°	9220.6	8906.7	8618.4	8344.6	8158.6	8103.9	8180.5	8180.5
47.5°	9952.3	9565.4	9222.5	8912.2	8709.7	8631.2	8704.1	8709.7
50°	10727.8	10317.3	9913.9	9569.2	9326.5	9226.1	9321.0	9335.5
52.5°	11499.7	11100.0	10693.2	10299.0	10005.3	9883.0	9992.6	10040.0
55°	12282.6	11890.2	11501.6	11116.6	10768.0	10623.9	10740.6	10800.9
57.5°	13109.3	12746.0	12375.7	11987.0	11651.2	11426.8	11550.9	11631.0
60°	14078.2	13768.0	13382.9	12954.1	12614.6	12386.6	12457.7	12528.9
62.5°	14844.6	14965.0	14638.3	14142.0	13705.9	13414.0	13483.2	13558.1
65°	14474.1	15709.6	15999.6	15497.9	14893.7	14439.4	14410.3	14448.6
67.5°	12098.3	14497.8	16247.8	16726.0	16220.4	15589.1	15472.3	15528.9
70°	8093.0	11081.8	14169.4	16468.6	17080.0	16835.4	16720.5	16755.1
72.5°	3886.8	6454.3	9612.9	12669.3	14530.7	15384.7	15658.4	15791.7
75°	1421.5	2562.0	4633.1	6981.5	8428.7	9757.1	10623.9	10977.9
77.5°	857.6	1034.6	1479.9	2228.1	2523.7	2824.8	2708.0	2766.3
80°	635.1	717.2	812.1	912.5	945.2	945.2	908.7	879.5
82.5°	445.2	498.1	543.8	598.5	613.2	585.7	481.8	383.2
85°	286.5	310.2	330.3	364.9	355.8	339.4	228.2	202.5
87.5°	131.3	149.6	156.9	173.4	166.1	158.8	113.1	94.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)