

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: P192754

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192754
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
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35196.8 lumens
Efficiency: N/A
Efficacy: 105.7 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): 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



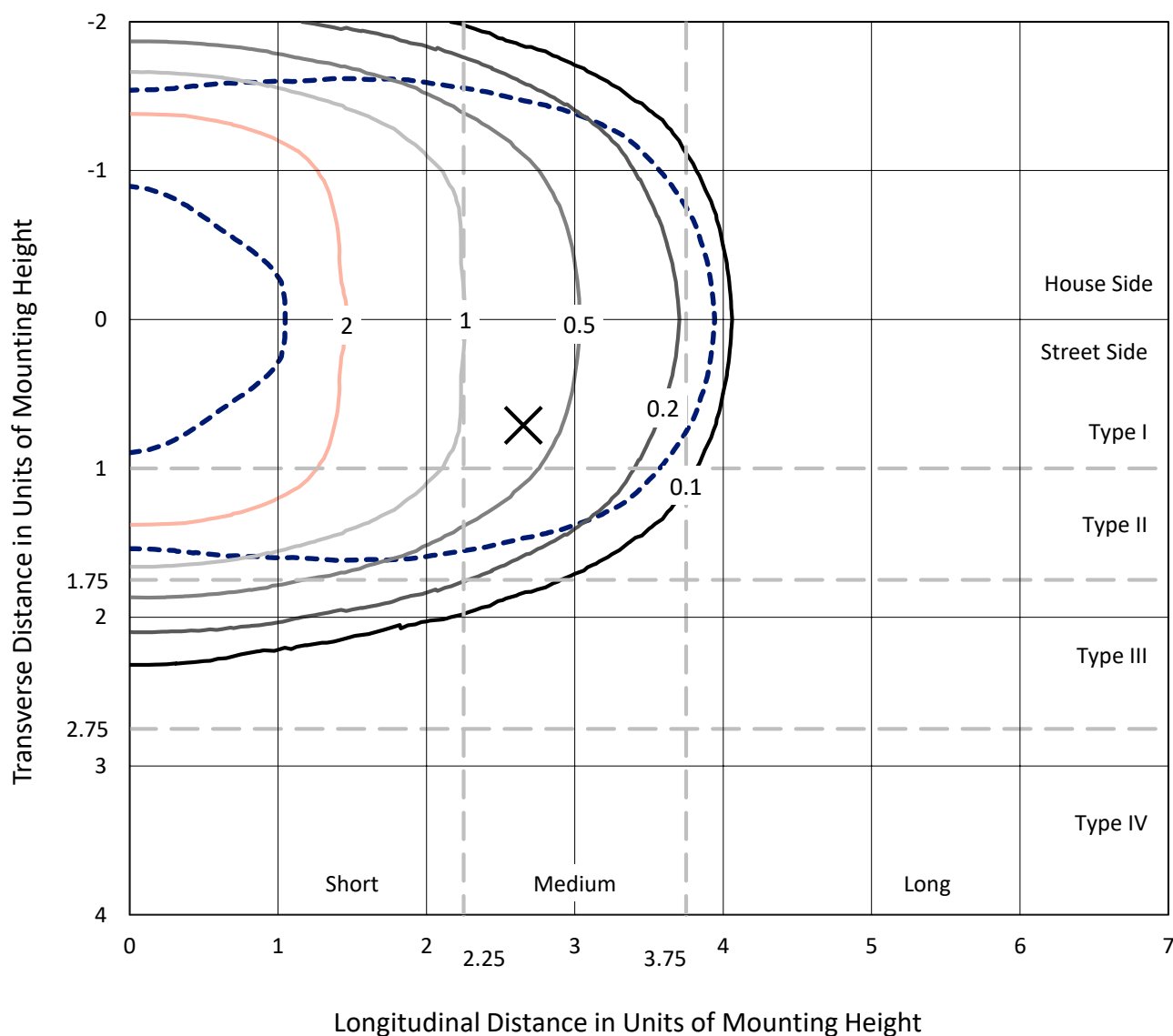
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

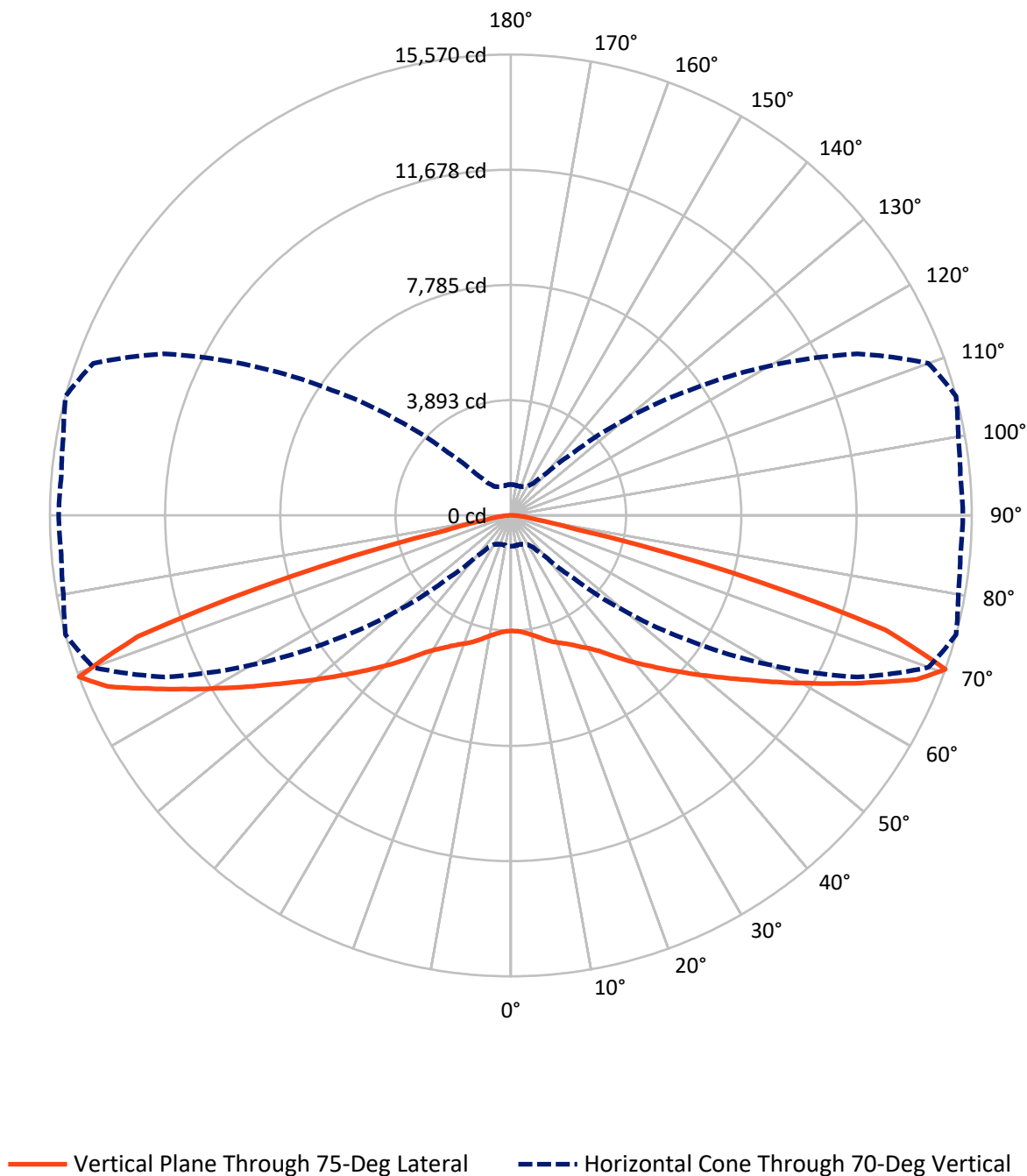


Based on 30 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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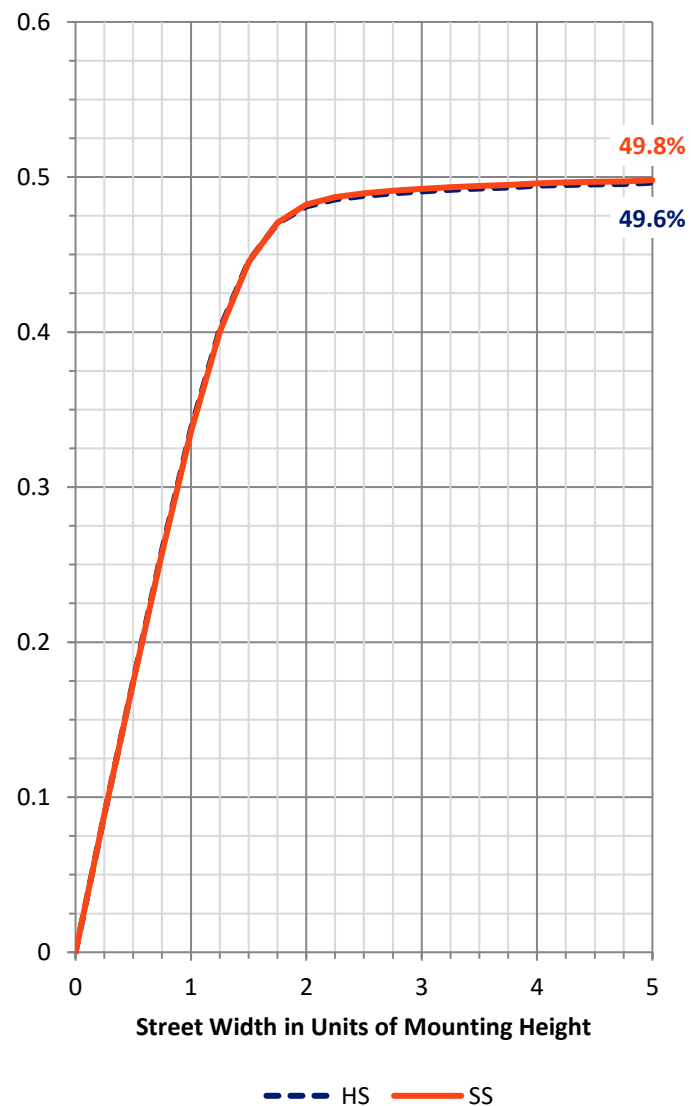
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17598.4	0.0	17598.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17598.4	0.0	17598.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	35196.8	0.0	35196.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.4	1.1
10°-20°	1163.4	3.3
20°-30°	2189.8	6.2
30°-40°	3877.6	11.0
40°-50°	6484.7	18.4
50°-60°	9036.4	25.7
60°-70°	8379.8	23.8
70°-80°	3339.6	9.5
80°-90°	351.0	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°	35196.8	100.0
0°-180°	35196.8	100.0

Coefficient of Utilization



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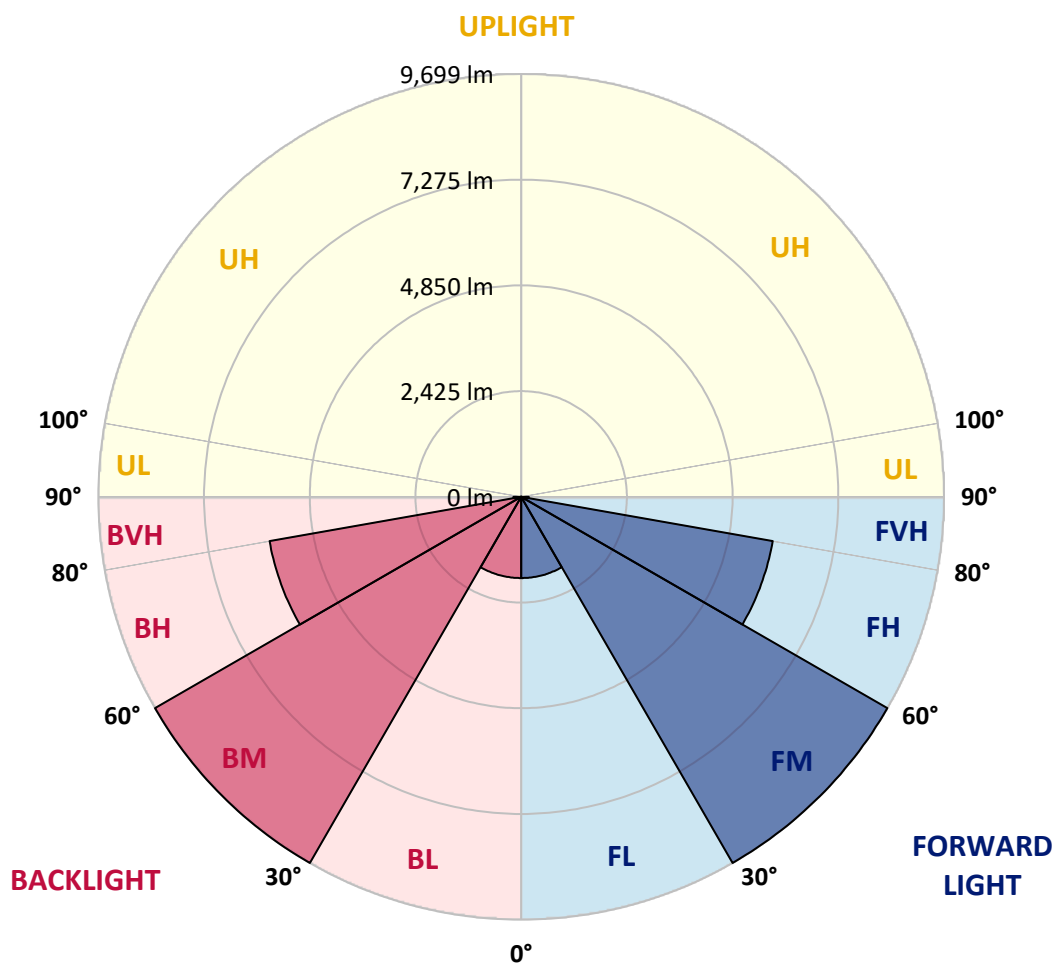
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1863.8	5.3			
FM	(30°-60°)	9699.3	27.6			
FH	(60°-80°)	5859.7	16.6			G3/7500
FVH	(80°-90°)	175.5	0.5			G2/225
BL	(0°-30°)	1863.8	5.3	B3/2500		
BM	(30°-60°)	9699.3	27.6	B5		
BH	(60°-80°)	5859.7	16.6	B5		G5
BVH	(80°-90°)	175.5	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°	3904.2	3904.2	3904.2	3904.2	3904.2	3904.2	3904.2	3904.2	3904.2	3904.2	3904.2
2.5°	3897.5	3894.1	3897.5	3895.8	3899.1	3899.1	3902.5	3909.2	3909.2	3914.1	3912.5
5°	3859.2	3857.6	3862.6	3867.6	3872.5	3882.5	3892.5	3907.4	3919.1	3927.5	3935.7
7.5°	3784.4	3784.4	3791.1	3802.7	3814.3	3836.0	3859.2	3889.2	3919.1	3944.0	3965.7
10°	3722.8	3726.2	3734.5	3754.4	3774.4	3807.6	3839.3	3882.5	3924.1	3965.7	3999.0
12.5°	3686.2	3691.3	3706.2	3736.1	3769.5	3814.3	3862.6	3917.5	3964.0	4013.9	4047.2
15°	3697.9	3701.1	3722.8	3759.4	3802.7	3859.2	3924.1	3988.9	4043.9	4097.1	4142.0
17.5°	3762.8	3767.7	3792.7	3834.2	3879.1	3945.7	4015.6	4088.8	4157.0	4216.9	4271.8
20°	3879.1	3884.1	3915.8	3960.6	4013.9	4082.2	4152.0	4228.6	4305.1	4368.3	4429.8
22.5°	4043.9	4052.2	4082.2	4127.0	4187.0	4260.1	4343.3	4424.8	4497.9	4556.2	4611.1
25°	4260.1	4278.4	4306.7	4356.6	4419.9	4486.4	4576.3	4659.4	4729.2	4784.1	4824.1
27.5°	4566.2	4591.2	4612.8	4661.0	4722.5	4785.8	4875.5	4948.8	5015.3	5068.5	5098.5
30°	4972.1	4997.1	5018.8	5065.3	5121.7	5181.7	5266.6	5331.5	5373.0	5414.6	5412.9
32.5°	5464.5	5491.1	5499.4	5549.3	5607.5	5672.4	5748.9	5785.5	5818.8	5823.7	5793.8
35°	6015.0	6028.4	6061.7	6128.3	6194.8	6248.0	6321.2	6339.4	6339.4	6314.5	6248.0
37.5°	6618.9	6627.2	6673.8	6748.6	6816.9	6871.8	6921.7	6958.2	6939.9	6886.7	6775.2
40°	7280.9	7295.9	7362.4	7429.0	7505.6	7557.1	7610.4	7617.0	7598.7	7520.6	7369.1
42.5°	7913.1	7926.4	7993.0	8097.7	8197.5	8269.1	8319.0	8329.0	8270.7	8199.3	8011.2
45°	8457.0	8491.9	8578.5	8701.5	8846.2	8947.8	9016.0	9044.3	8992.7	8899.5	8681.6
47.5°	8887.9	8922.7	9045.9	9192.3	9371.9	9536.5	9649.8	9709.7	9696.3	9626.4	9388.5
50°	9203.9	9237.3	9370.3	9550.0	9759.5	9964.1	10157.1	10300.2	10350.0	10318.5	10100.6
52.5°	9240.5	9295.4	9451.8	9692.9	9965.7	10245.2	10519.7	10762.6	10927.2	10952.2	10790.9
55°	8729.9	8784.8	9001.0	9358.6	9764.5	10220.3	10659.5	11068.6	11393.0	11559.4	11474.5
57.5°	7525.4	7623.7	7851.6	8270.7	8867.9	9550.0	10250.2	10977.2	11637.5	12078.4	12163.2
60°	5767.2	5883.6	6113.2	6559.1	7224.4	8037.8	8972.7	10047.3	11213.4	12204.8	12797.0
62.5°	3699.5	3809.4	4050.6	4438.1	4980.4	5862.1	6865.1	8141.0	9707.9	11273.3	12683.9
65°	1901.3	1961.2	2087.6	2322.2	2744.7	3403.4	4303.4	5575.9	7367.5	9298.7	11338.2
67.5°	1204.4	1215.9	1244.3	1277.6	1385.6	1613.5	2032.8	2826.2	4300.0	6314.5	8701.5
70°	1041.4	1041.4	1028.0	1023.0	1036.4	1067.9	1132.8	1317.4	1814.8	2997.5	5018.8
72.5°	953.2	943.2	919.9	901.6	898.2	898.2	911.6	939.8	1019.7	1221.0	1964.6
75°	878.3	850.0	818.5	796.8	788.6	780.1	778.5	783.5	800.1	831.7	938.2
77.5°	786.7	750.2	713.6	692.0	682.0	670.5	660.4	648.8	640.5	650.4	697.0
80°	677.1	635.5	607.2	593.9	583.9	567.3	545.6	525.6	507.4	504.0	532.3
82.5°	545.6	497.3	499.0	504.0	485.7	462.5	439.1	417.5	385.9	369.3	385.9
85°	440.9	415.8	404.3	435.8	409.1	374.3	337.7	299.4	249.5	209.6	228.0
87.5°	171.3	171.3	256.2	394.2	354.3	289.4	247.9	211.3	131.4	101.5	103.1
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°	3904.2	3904.2	3904.2	3904.2	3904.2	3904.2	3904.2	3904.2
2.5°	3910.8	3914.1	3912.5	3910.8	3910.8	3909.2	3910.8	3910.8
5°	3940.8	3949.0	3949.0	3952.4	3952.4	3954.1	3955.7	3954.1
7.5°	3985.7	4000.6	4010.6	4022.3	4023.9	4025.5	4028.9	4025.5
10°	4030.6	4060.5	4082.2	4103.8	4113.7	4117.1	4120.3	4120.3
12.5°	4087.2	4128.7	4166.9	4205.3	4223.5	4233.5	4233.5	4240.2
15°	4180.3	4221.9	4266.8	4318.4	4349.9	4366.5	4371.6	4371.6
17.5°	4311.7	4348.3	4386.5	4436.5	4476.4	4497.9	4503.0	4501.4
20°	4464.8	4499.7	4521.2	4553.0	4587.8	4612.8	4619.5	4619.5
22.5°	4639.3	4659.4	4662.6	4672.7	4701.0	4734.2	4749.2	4752.6
25°	4832.3	4837.4	4824.1	4824.1	4842.4	4873.9	4889.0	4890.6
27.5°	5081.8	5056.9	5023.6	5012.0	5023.6	5060.3	5078.6	5085.3
30°	5392.9	5333.1	5256.6	5215.0	5208.3	5256.6	5289.8	5294.8
32.5°	5748.9	5662.5	5561.0	5476.1	5454.4	5484.4	5524.3	5522.7
35°	6171.4	6068.3	5945.3	5837.0	5787.1	5817.1	5873.7	5880.4
37.5°	6658.8	6524.1	6382.7	6246.3	6168.1	6176.4	6236.3	6256.3
40°	7202.8	7028.1	6850.1	6667.1	6555.7	6534.0	6607.2	6618.9
42.5°	7785.0	7560.4	7335.8	7109.6	6966.6	6933.3	7018.2	7013.2
45°	8405.5	8119.4	7856.5	7606.9	7437.4	7387.4	7457.3	7457.3
47.5°	9072.6	8719.9	8407.2	8124.3	7939.7	7868.2	7934.7	7939.7
50°	9779.5	9405.2	9037.6	8723.1	8501.9	8410.4	8497.0	8510.3
52.5°	10483.1	10118.8	9747.9	9388.5	9120.8	9009.3	9109.2	9152.3
55°	11196.8	10839.1	10484.8	10133.8	9816.1	9684.6	9791.2	9846.0
57.5°	11950.3	11619.2	11281.6	10927.2	10621.2	10416.6	10529.8	10602.8
60°	12833.6	12550.8	12199.8	11809.0	11499.5	11291.6	11356.4	11421.3
62.5°	13532.3	13642.0	13344.3	12891.8	12494.3	12228.1	12291.3	12359.5
65°	13194.5	14320.7	14585.2	14127.8	13577.2	13163.0	13136.4	13171.3
67.5°	11028.7	13216.2	14811.4	15247.2	14786.5	14211.0	14104.5	14156.0
70°	7377.4	10102.2	12916.7	15012.8	15570.0	15347.1	15242.3	15273.9
72.5°	3543.2	5883.6	8763.1	11549.4	13246.1	14024.6	14274.1	14395.6
75°	1295.9	2335.5	4223.5	6364.4	7683.5	8894.6	9684.6	10007.4
77.5°	781.9	943.2	1349.1	2031.1	2300.6	2575.0	2468.6	2521.8
80°	578.8	653.7	740.2	831.7	861.6	861.6	828.4	801.8
82.5°	405.9	454.1	495.7	545.6	559.0	533.9	439.1	349.3
85°	261.1	282.8	301.1	332.7	324.4	309.4	207.9	184.6
87.5°	119.7	136.3	143.0	158.0	151.4	144.8	103.1	86.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)