

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: P192734

Luminaire Tested: **GLEON-AF-06-LED-E1-RW-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192734
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-7030-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23189.2 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 193
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



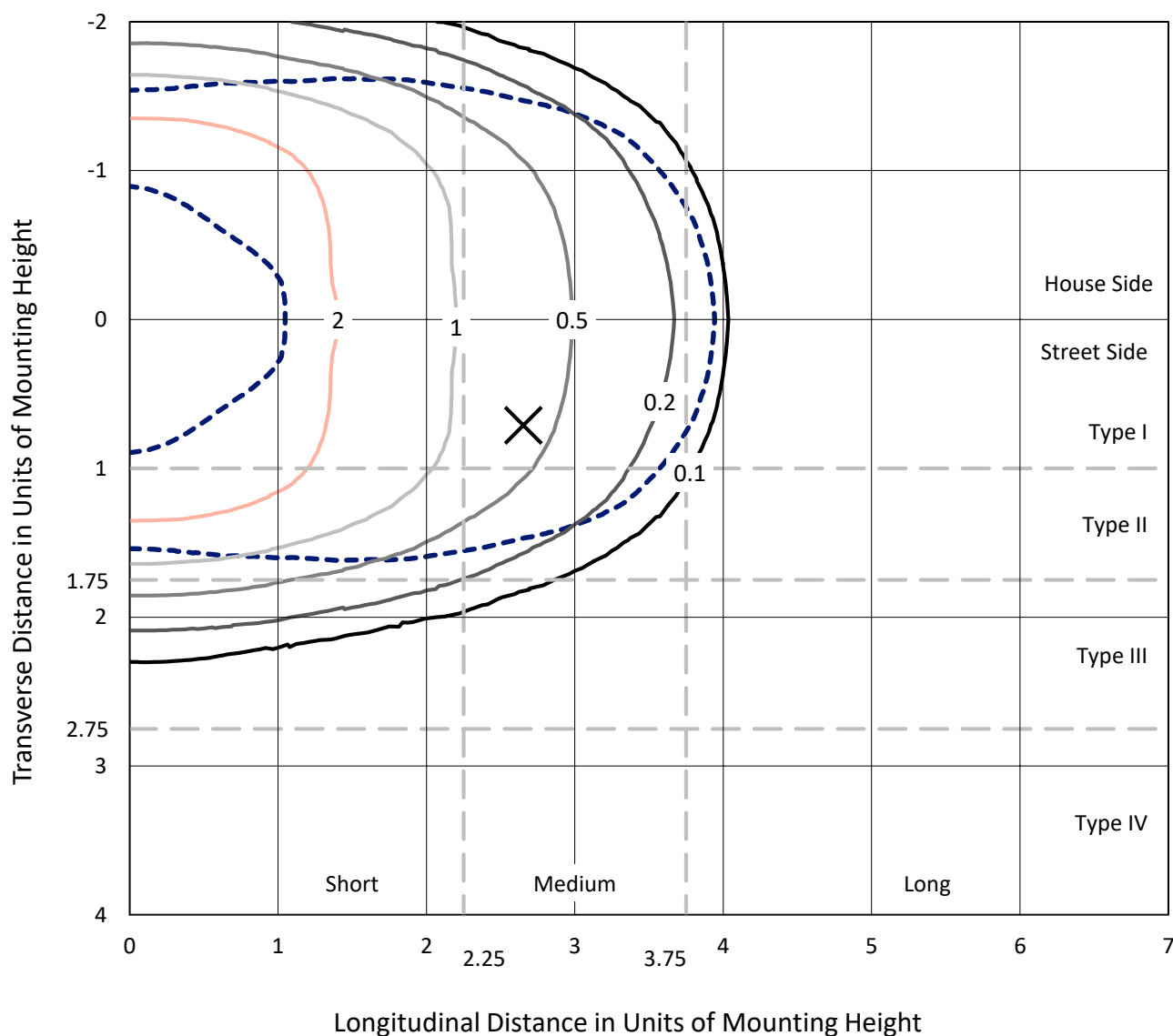
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

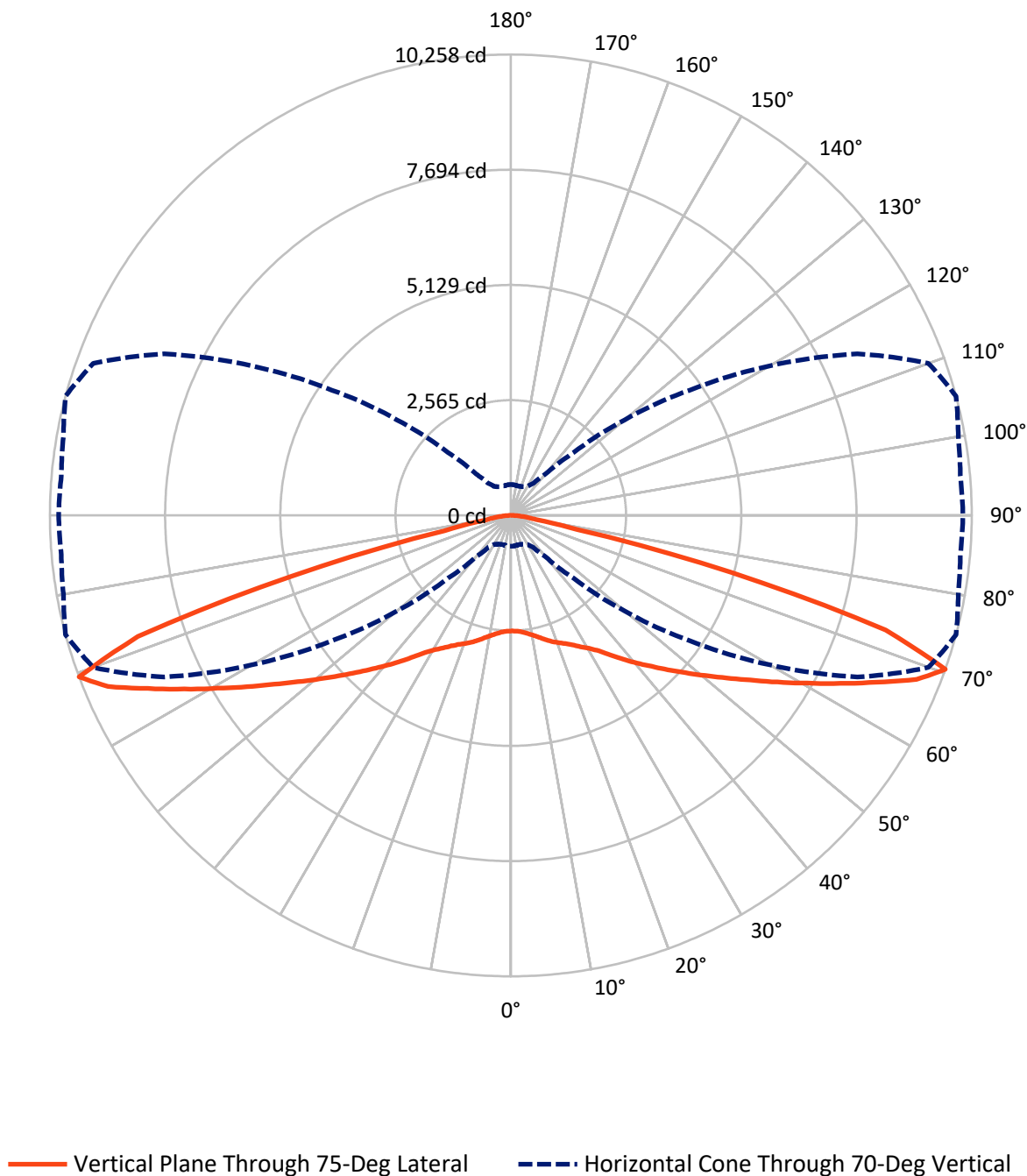


Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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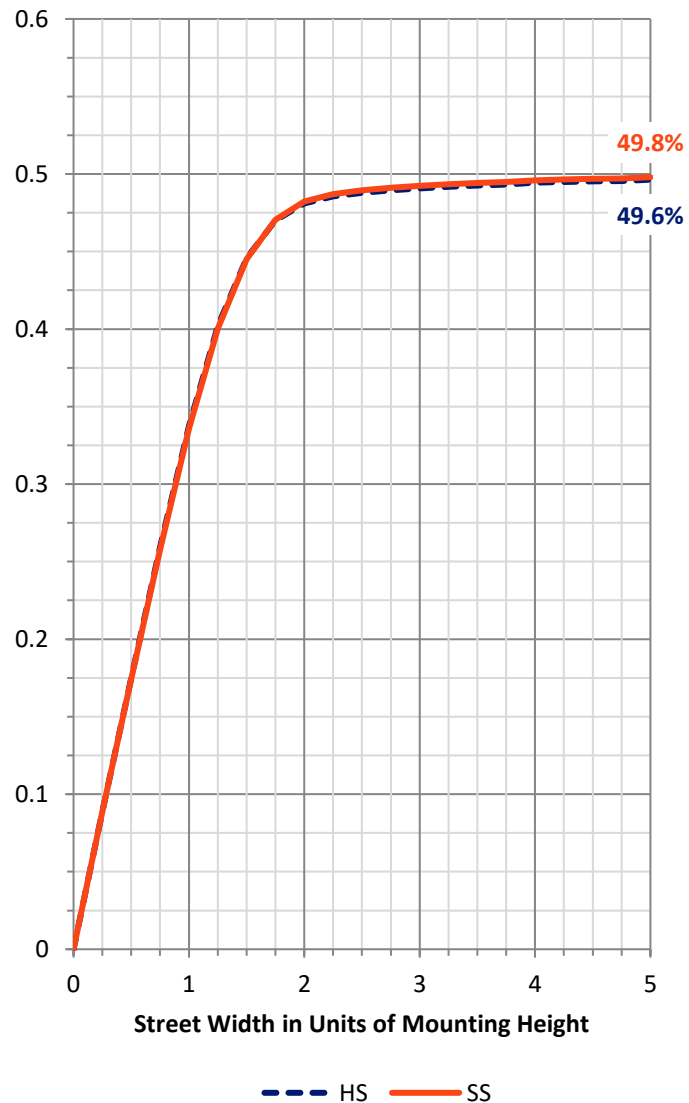
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11594.6	0.0	11594.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11594.6	0.0	11594.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	23189.2	0.0	23189.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.7	1.1
10°-20°	766.5	3.3
20°-30°	1442.7	6.2
30°-40°	2554.8	11.0
40°-50°	4272.4	18.4
50°-60°	5953.6	25.7
60°-70°	5521.0	23.8
70°-80°	2200.3	9.5
80°-90°	231.3	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°	23189.2	100.0
0°-180°	23189.2	100.0

Coefficient of Utilization



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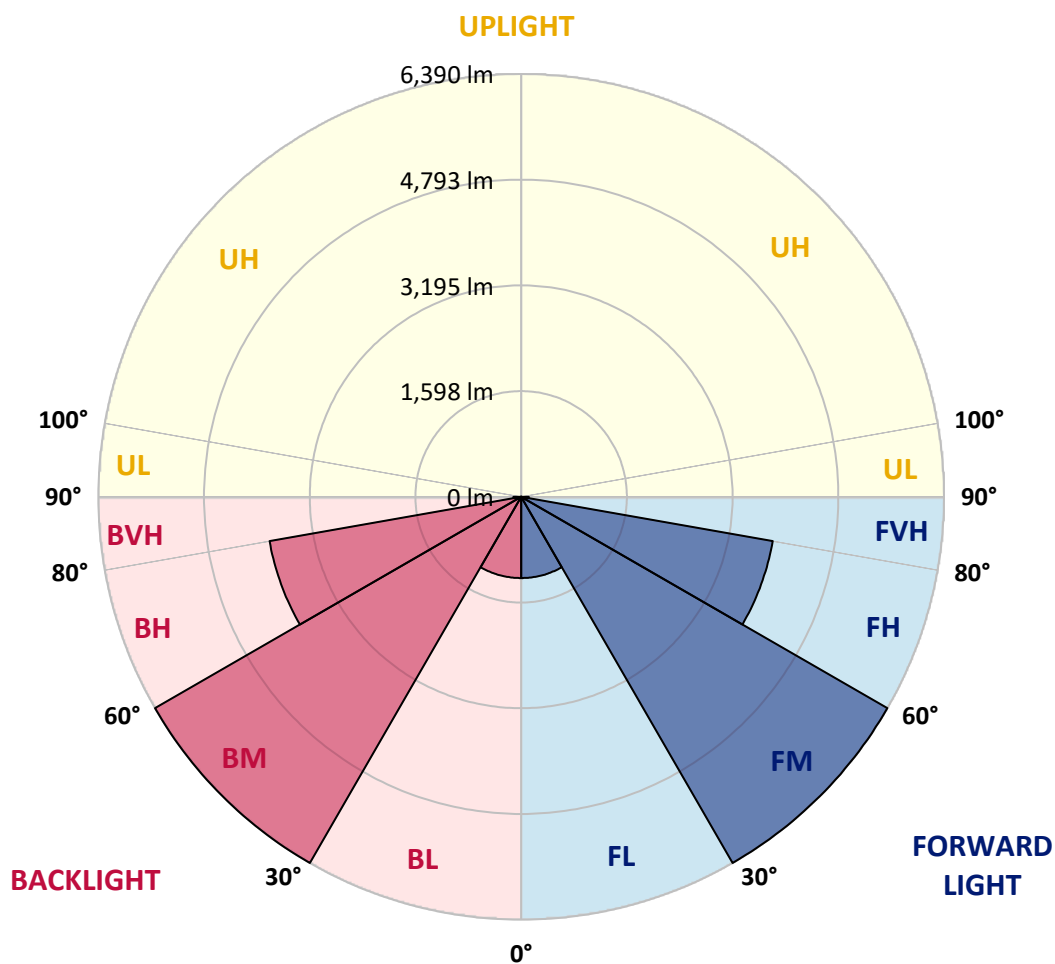
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1228.0	5.3			
FM	(30°-60°)	6390.4	27.6			
FH	(60°-80°)	3860.6	16.6			G2/5000
FVH	(80°-90°)	115.6	0.5			G2/225
BL	(0°-30°)	1228.0	5.3	B3/2500		
BM	(30°-60°)	6390.4	27.6	B4/8500		
BH	(60°-80°)	3860.6	16.6	B4/5000		G4/5000
BVH	(80°-90°)	115.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2
2.5°	2567.8	2565.6	2567.8	2566.7	2568.9	2568.9	2571.1	2575.5	2575.5	2578.8	2577.8
5°	2542.7	2541.5	2544.8	2548.2	2551.4	2558.0	2564.6	2574.3	2582.2	2587.6	2593.0
7.5°	2493.3	2493.3	2497.6	2505.4	2513.1	2527.2	2542.7	2562.3	2582.2	2598.5	2612.8
10°	2452.8	2454.9	2460.4	2473.6	2486.7	2508.7	2529.5	2558.0	2585.4	2612.8	2634.7
12.5°	2428.7	2431.9	2441.8	2461.5	2483.5	2513.1	2544.8	2581.0	2611.7	2644.5	2666.5
15°	2436.4	2438.5	2452.8	2476.9	2505.4	2542.7	2585.4	2628.1	2664.3	2699.4	2729.0
17.5°	2479.1	2482.4	2498.8	2526.2	2555.8	2599.6	2645.6	2693.9	2738.8	2778.3	2814.4
20°	2555.8	2559.1	2579.9	2609.4	2644.5	2689.5	2735.6	2785.9	2836.4	2878.0	2918.6
22.5°	2664.3	2669.8	2689.5	2719.0	2758.6	2806.8	2861.6	2915.2	2963.4	3001.8	3038.0
25°	2806.8	2818.8	2837.5	2870.3	2912.0	2955.8	3015.0	3069.7	3115.8	3152.0	3178.3
27.5°	3008.5	3024.9	3039.0	3070.8	3111.4	3153.1	3212.2	3260.6	3304.3	3339.4	3359.0
30°	3275.8	3292.3	3306.5	3337.3	3374.5	3414.0	3469.8	3512.5	3540.0	3567.4	3566.2
32.5°	3600.2	3617.8	3623.2	3656.2	3694.5	3737.2	3787.7	3811.7	3833.7	3836.9	3817.2
35°	3963.0	3971.8	3993.7	4037.5	4081.4	4116.5	4164.6	4176.7	4176.7	4160.3	4116.5
37.5°	4360.9	4366.3	4397.0	4446.3	4491.2	4527.3	4560.3	4584.4	4572.4	4537.3	4463.9
40°	4797.0	4806.9	4850.7	4894.6	4945.0	4979.0	5014.0	5018.4	5006.4	4954.8	4855.2
42.5°	5213.6	5222.3	5266.1	5335.1	5400.9	5448.0	5480.9	5487.4	5449.1	5402.0	5278.1
45°	5571.9	5594.8	5651.9	5733.0	5828.3	5895.2	5940.1	5958.8	5924.8	5863.4	5719.8
47.5°	5855.8	5878.7	5959.9	6056.2	6174.7	6283.2	6357.7	6397.1	6388.4	6342.3	6185.6
50°	6064.0	6085.8	6173.5	6291.9	6430.0	6564.9	6691.9	6786.2	6819.1	6798.2	6654.7
52.5°	6088.0	6124.2	6227.2	6386.2	6565.9	6750.0	6930.9	7090.8	7199.4	7215.8	7109.5
55°	5751.6	5787.8	5930.3	6165.8	6433.3	6733.5	7022.9	7292.5	7506.2	7615.8	7559.9
57.5°	4958.0	5022.7	5173.0	5449.1	5842.5	6291.9	6753.4	7232.2	7667.4	7957.8	8013.6
60°	3799.7	3876.4	4027.7	4321.4	4759.8	5295.7	5911.6	6619.6	7387.9	8041.1	8431.2
62.5°	2437.5	2509.8	2668.6	2924.0	3281.3	3862.2	4523.0	5363.6	6396.0	7427.3	8356.7
65°	1252.6	1292.1	1375.5	1529.9	1808.4	2242.3	2835.3	3673.7	4854.1	6126.3	7470.0
67.5°	793.4	801.2	819.8	841.8	913.0	1063.1	1339.3	1862.0	2833.1	4160.3	5733.0
70°	686.0	686.0	677.3	674.0	682.8	703.6	746.4	867.9	1195.8	1975.0	3306.5
72.5°	628.0	621.3	606.1	594.1	591.8	591.8	600.6	619.2	671.8	804.4	1294.2
75°	578.6	560.1	539.2	525.0	519.5	513.9	512.9	516.2	527.1	547.9	618.1
77.5°	518.4	494.3	470.2	455.9	449.4	441.6	435.1	427.4	422.0	428.6	459.2
80°	446.1	418.7	400.0	391.2	384.7	373.7	359.5	346.4	334.3	332.0	350.7
82.5°	359.5	327.7	328.8	332.0	320.0	304.8	289.3	275.2	254.2	243.3	254.2
85°	290.4	274.0	266.3	287.2	269.7	246.6	222.5	197.3	164.4	138.1	150.1
87.5°	112.9	112.9	168.8	259.7	233.5	190.6	163.4	139.2	86.6	66.8	68.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2
2.5°	2576.6	2578.8	2577.8	2576.6	2576.6	2575.5	2576.6	2576.6
5°	2596.3	2601.8	2601.8	2603.9	2603.9	2605.1	2606.2	2605.1
7.5°	2625.9	2635.8	2642.3	2650.1	2651.1	2652.3	2654.5	2652.3
10°	2655.5	2675.2	2689.5	2703.7	2710.2	2712.5	2714.6	2714.6
12.5°	2692.8	2720.2	2745.3	2770.6	2782.7	2789.2	2789.2	2793.6
15°	2754.1	2781.5	2811.1	2845.1	2866.0	2876.9	2880.2	2880.2
17.5°	2840.7	2864.9	2890.0	2922.9	2949.2	2963.4	2966.7	2965.7
20°	2941.6	2964.5	2978.9	2999.6	3022.6	3039.0	3043.5	3043.5
22.5°	3056.6	3069.7	3072.0	3078.6	3097.2	3119.2	3128.9	3131.2
25°	3183.9	3187.1	3178.3	3178.3	3190.4	3211.1	3221.1	3222.2
27.5°	3348.1	3331.8	3309.8	3302.2	3309.8	3333.9	3345.9	3350.3
30°	3553.1	3513.7	3463.2	3435.8	3431.5	3463.2	3485.2	3488.4
32.5°	3787.7	3730.6	3663.8	3607.8	3593.6	3613.4	3639.7	3638.6
35°	4066.0	3998.1	3917.0	3845.7	3812.8	3832.6	3869.9	3874.3
37.5°	4387.1	4298.4	4205.2	4115.4	4063.8	4069.3	4108.8	4122.0
40°	4745.5	4630.4	4513.2	4392.7	4319.2	4305.0	4353.1	4360.9
42.5°	5129.0	4981.1	4833.2	4684.2	4589.9	4568.0	4623.9	4620.6
45°	5538.0	5349.4	5176.2	5011.8	4900.1	4867.2	4913.2	4913.2
47.5°	5977.3	5745.1	5539.0	5352.7	5231.0	5184.0	5227.7	5231.0
50°	6443.1	6196.5	5954.4	5747.2	5601.5	5541.2	5598.1	5606.9
52.5°	6906.8	6666.8	6422.4	6185.6	6009.2	5935.7	6001.5	6030.0
55°	7376.9	7141.3	6907.8	6676.7	6467.3	6380.7	6450.7	6486.9
57.5°	7873.3	7655.2	7432.8	7199.4	6997.7	6862.9	6937.4	6985.7
60°	8455.3	8269.1	8037.7	7780.3	7576.4	7439.4	7482.1	7524.9
62.5°	8915.7	8988.0	8791.8	8493.7	8231.8	8056.4	8098.1	8143.0
65°	8693.2	9435.1	9609.4	9308.1	8945.3	8672.4	8654.8	8677.8
67.5°	7266.2	8707.4	9758.5	10045.7	9742.0	9362.8	9292.6	9326.6
70°	4860.6	6655.7	8510.1	9891.0	10258.3	10111.3	10042.3	10063.1
72.5°	2334.5	3876.4	5773.5	7609.3	8727.2	9240.0	9404.5	9484.5
75°	853.8	1538.7	2782.7	4193.2	5062.2	5860.1	6380.7	6593.2
77.5°	515.0	621.3	888.9	1338.2	1515.8	1696.6	1626.5	1661.5
80°	381.5	430.7	487.8	547.9	567.7	567.7	545.8	528.3
82.5°	267.4	299.2	326.5	359.5	368.2	351.9	289.3	230.1
85°	172.1	186.3	198.5	219.2	213.7	203.9	137.0	121.6
87.5°	78.8	89.9	94.3	104.2	99.8	95.4	68.0	57.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)