

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: FAIL-SAFE

Report Number: P834602

Luminaire Tested: **ORLG-24-4-INS-ASY2-LD4-3STD-50-120-EDD**

Issue Date: 5/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P834602  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 5/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: ORLG-24-4-INS-ASY2-LD4-3STD-50-120-EDD  
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2  
Light Source: 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

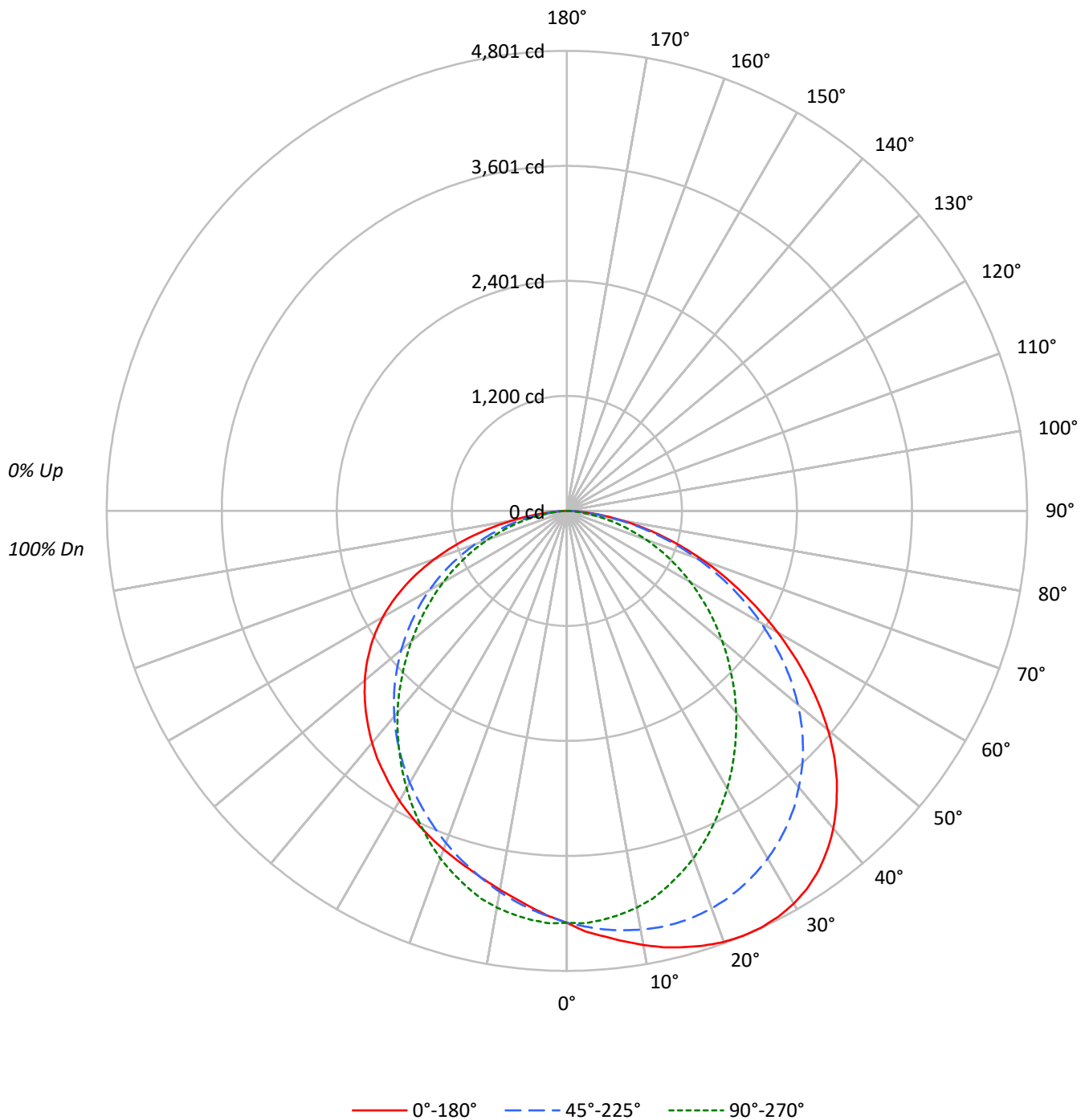
Lumens per Lamp: N/A  
Luminaire Lumens: 12642.7 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Spacing Criteria (0/90/45): 1.41 / 1.17 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 99.9  
Input Voltage (V): 120  
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: 28.75 FT

TEST NUMBER: P834602

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-3STD-50-120-EDD

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P834602

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-3STD-50-120-EDD

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 109 | 104 | 100 | 96  | 106 | 102 | 98  | 94  | 97  | 94  | 91  |  | 94  | 91  | 88  |  | 90  |
| 2   | 99  | 90  | 84  | 78  | 96  | 89  | 82  | 77  | 85  | 80  | 75  |  | 82  | 77  | 73  |  | 79  |
| 3   | 90  | 79  | 71  | 65  | 87  | 78  | 70  | 64  | 75  | 68  | 63  |  | 72  | 66  | 62  |  | 69  |
| 4   | 82  | 70  | 61  | 55  | 80  | 69  | 61  | 54  | 66  | 59  | 53  |  | 64  | 58  | 53  |  | 62  |
| 5   | 76  | 63  | 54  | 47  | 73  | 61  | 53  | 47  | 59  | 52  | 46  |  | 57  | 51  | 46  |  | 55  |
| 6   | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 41  | 54  | 46  | 40  |  | 52  | 45  | 40  |  | 50  |
| 7   | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 49  | 41  | 36  |  | 47  | 40  | 35  |  | 46  |
| 8   | 60  | 46  | 38  | 32  | 59  | 46  | 38  | 32  | 44  | 37  | 32  |  | 43  | 36  | 31  |  | 42  |
| 9   | 56  | 43  | 34  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 29  |  | 40  | 33  | 28  |  | 39  |
| 10  | 53  | 39  | 31  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  |  | 37  | 30  | 26  |  | 36  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 90°  | 180° |
|-----|------|------|------|
| 0°  | 5783 | 5783 | 5783 |
| 5°  | 6021 | 5786 | 5615 |
| 10° | 6284 | 5742 | 5485 |
| 15° | 6567 | 5651 | 5406 |
| 20° | 6854 | 5526 | 5383 |
| 25° | 7123 | 5365 | 5392 |
| 30° | 7355 | 5198 | 5427 |
| 35° | 7523 | 5012 | 5472 |
| 40° | 7599 | 4826 | 5553 |
| 45° | 7578 | 4623 | 5643 |
| 50° | 7443 | 4428 | 5760 |
| 55° | 7189 | 4225 | 5880 |
| 60° | 6838 | 4007 | 5969 |
| 65° | 6422 | 3762 | 5961 |
| 70° | 5976 | 3470 | 5784 |
| 75° | 5426 | 3047 | 5333 |
| 80° | 4658 | 2504 | 4499 |
| 85° | 3554 | 1712 | 3089 |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P834602

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-3STD-50-120-EDD

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 407.6   | 3.2       |
| 10°-20°   | 1177.2  | 9.3       |
| 20°-30°   | 1803.4  | 14.3      |
| 30°-40°   | 2200.8  | 17.4      |
| 40°-50°   | 2301.6  | 18.2      |
| 50°-60°   | 2083.1  | 16.5      |
| 60°-70°   | 1577.6  | 12.5      |
| 70°-80°   | 879.2   | 7.0       |
| 80°-90°   | 212.1   | 1.7       |
| 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°-30°    | 3388.2  | 26.8      |
| 0°-40°    | 5589.1  | 44.2      |
| 0°-60°    | 9973.8  | 78.9      |
| 0°-90°    | 12642.7 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 12642.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 4298 | 4298 | 4298 | 4298 | 4298 |      |
| 5°  | 4458 | 4384 | 4284 | 4179 | 4157 | 430  |
| 15° | 4714 | 4452 | 4057 | 3868 | 3881 | 1337 |
| 25° | 4798 | 4326 | 3614 | 3486 | 3632 | 2213 |
| 35° | 4580 | 4006 | 3051 | 3048 | 3331 | 2860 |
| 45° | 3982 | 3484 | 2429 | 2536 | 2966 | 3064 |
| 55° | 3064 | 2767 | 1801 | 1960 | 2506 | 2735 |
| 65° | 2017 | 1897 | 1182 | 1343 | 1872 | 2001 |
| 75° | 1044 | 986  | 586  | 700  | 1026 | 1107 |
| 85° | 230  | 203  | 111  | 148  | 200  | 277  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P834602

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-3STD-50-120-EDD

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 |
| 2.5°  | 4392.9 | 4372.2 | 4355.3 | 4361.9 | 4365.6 | 4352.5 | 4341.2 | 4343.1 | 4331.8 | 4353.4 | 4302.7 |
| 5°    | 4457.7 | 4438.9 | 4419.2 | 4426.7 | 4419.2 | 4399.5 | 4383.5 | 4378.8 | 4348.7 | 4360.9 | 4309.3 |
| 7.5°  | 4530.0 | 4509.4 | 4480.2 | 4488.7 | 4472.7 | 4436.1 | 4415.4 | 4403.2 | 4357.2 | 4358.1 | 4300.8 |
| 10°   | 4599.6 | 4581.7 | 4542.3 | 4547.9 | 4518.8 | 4469.9 | 4437.0 | 4420.1 | 4355.3 | 4345.9 | 4286.7 |
| 12.5° | 4664.4 | 4640.0 | 4597.7 | 4600.5 | 4558.2 | 4493.4 | 4451.1 | 4426.7 | 4342.1 | 4314.0 | 4255.7 |
| 15°   | 4714.2 | 4690.7 | 4640.0 | 4639.0 | 4584.5 | 4500.0 | 4452.1 | 4418.2 | 4311.1 | 4267.0 | 4205.9 |
| 17.5° | 4756.4 | 4734.8 | 4671.9 | 4670.0 | 4604.3 | 4497.2 | 4439.9 | 4397.6 | 4266.1 | 4211.6 | 4143.9 |
| 20°   | 4786.5 | 4764.9 | 4694.4 | 4687.9 | 4609.0 | 4483.1 | 4414.5 | 4360.9 | 4206.9 | 4142.0 | 4066.9 |
| 22.5° | 4800.6 | 4779.0 | 4699.1 | 4689.7 | 4597.7 | 4454.9 | 4377.8 | 4314.9 | 4139.2 | 4054.7 | 3976.7 |
| 25°   | 4797.8 | 4777.1 | 4686.9 | 4677.5 | 4576.1 | 4412.6 | 4326.2 | 4253.8 | 4053.7 | 3954.2 | 3877.1 |
| 27.5° | 4774.3 | 4758.3 | 4663.4 | 4651.2 | 4536.6 | 4355.3 | 4263.2 | 4183.4 | 3958.9 | 3848.0 | 3764.4 |
| 30°   | 4733.9 | 4721.7 | 4621.2 | 4609.9 | 4487.8 | 4292.4 | 4190.0 | 4097.9 | 3856.5 | 3731.5 | 3647.0 |
| 32.5° | 4669.1 | 4657.8 | 4556.3 | 4546.0 | 4422.0 | 4211.6 | 4104.5 | 4009.6 | 3744.7 | 3606.6 | 3522.0 |
| 35°   | 4579.8 | 4573.3 | 4474.6 | 4463.3 | 4337.4 | 4119.5 | 4005.8 | 3901.5 | 3628.2 | 3472.2 | 3391.4 |
| 37.5° | 4462.4 | 4462.4 | 4367.5 | 4355.3 | 4232.2 | 4006.8 | 3895.0 | 3784.1 | 3496.6 | 3331.3 | 3251.4 |
| 40°   | 4326.2 | 4338.4 | 4241.6 | 4229.4 | 4110.1 | 3885.6 | 3763.4 | 3647.0 | 3354.8 | 3182.9 | 3104.9 |
| 42.5° | 4162.7 | 4174.0 | 4093.2 | 4081.9 | 3970.1 | 3745.6 | 3631.9 | 3505.1 | 3206.3 | 3031.6 | 2950.8 |
| 45°   | 3982.3 | 3997.4 | 3925.0 | 3916.6 | 3812.3 | 3592.5 | 3483.5 | 3354.8 | 3051.3 | 2873.8 | 2794.9 |
| 47.5° | 3781.3 | 3801.0 | 3738.1 | 3733.4 | 3636.6 | 3435.6 | 3321.9 | 3191.3 | 2888.8 | 2709.4 | 2635.2 |
| 50°   | 3555.8 | 3584.0 | 3532.3 | 3532.3 | 3445.9 | 3245.8 | 3147.2 | 3016.6 | 2719.7 | 2540.3 | 2467.0 |
| 52.5° | 3314.4 | 3350.1 | 3311.6 | 3312.5 | 3242.0 | 3062.6 | 2960.2 | 2832.4 | 2543.1 | 2366.5 | 2298.8 |
| 55°   | 3064.5 | 3099.3 | 3074.8 | 3078.6 | 3023.2 | 2859.7 | 2766.7 | 2639.9 | 2362.7 | 2190.8 | 2126.9 |
| 57.5° | 2803.3 | 2840.9 | 2824.9 | 2832.4 | 2793.9 | 2647.4 | 2550.6 | 2439.8 | 2176.7 | 2006.7 | 1952.2 |
| 60°   | 2541.2 | 2576.9 | 2568.5 | 2578.8 | 2554.4 | 2427.5 | 2339.2 | 2224.6 | 1989.8 | 1826.3 | 1778.4 |
| 62.5° | 2276.3 | 2309.2 | 2307.3 | 2318.6 | 2305.4 | 2200.2 | 2121.3 | 2023.6 | 1796.2 | 1645.9 | 1601.8 |
| 65°   | 2017.0 | 2045.2 | 2043.3 | 2055.5 | 2052.7 | 1968.2 | 1896.8 | 1807.5 | 1602.7 | 1464.6 | 1426.1 |
| 67.5° | 1765.2 | 1788.7 | 1782.1 | 1796.2 | 1800.0 | 1732.3 | 1670.3 | 1590.5 | 1418.6 | 1284.2 | 1251.4 |
| 70°   | 1519.1 | 1535.1 | 1526.6 | 1536.0 | 1544.5 | 1493.7 | 1441.1 | 1370.7 | 1222.2 | 1103.9 | 1076.6 |
| 72.5° | 1277.7 | 1288.9 | 1275.8 | 1285.2 | 1292.7 | 1256.0 | 1212.8 | 1151.8 | 1028.7 | 926.3  | 903.8  |
| 75°   | 1043.7 | 1059.7 | 1032.5 | 1041.9 | 1047.5 | 1010.9 | 985.5  | 935.7  | 829.5  | 750.6  | 735.6  |
| 77.5° | 817.3  | 826.7  | 811.7  | 807.9  | 811.7  | 785.4  | 765.7  | 727.1  | 647.3  | 582.5  | 573.1  |
| 80°   | 601.2  | 606.9  | 591.9  | 588.1  | 590.9  | 572.1  | 557.1  | 528.9  | 472.5  | 423.7  | 419.9  |
| 82.5° | 403.0  | 405.8  | 392.7  | 388.9  | 390.8  | 385.2  | 367.3  | 347.6  | 321.3  | 280.0  | 279.0  |
| 85°   | 230.2  | 230.2  | 220.8  | 217.0  | 218.9  | 209.5  | 202.9  | 192.6  | 182.3  | 154.1  | 155.9  |
| 87.5° | 84.6   | 84.6   | 79.9   | 78.9   | 88.3   | 78.0   | 75.2   | 70.5   | 73.3   | 58.2   | 62.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P834602

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-3STD-50-120-EDD

**CANDELA DISTRIBUTION (continued):**

|       | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 | 4298.0 |
| 2.5°  | 4316.8 | 4307.4 | 4298.9 | 4269.8 | 4282.0 | 4252.0 | 4250.1 | 4238.8 | 4230.4 | 4214.4 | 4235.0 |
| 5°    | 4302.7 | 4283.9 | 4259.5 | 4224.7 | 4235.0 | 4199.4 | 4191.8 | 4178.7 | 4167.4 | 4146.7 | 4162.7 |
| 7.5°  | 4280.1 | 4249.1 | 4210.6 | 4166.5 | 4180.6 | 4136.4 | 4125.1 | 4111.0 | 4101.6 | 4077.2 | 4091.3 |
| 10°   | 4247.3 | 4203.1 | 4158.0 | 4104.5 | 4114.8 | 4066.9 | 4052.8 | 4037.8 | 4029.3 | 4007.7 | 4021.8 |
| 12.5° | 4196.5 | 4143.0 | 4081.9 | 4023.7 | 4034.9 | 3989.9 | 3971.1 | 3955.1 | 3952.3 | 3934.4 | 3951.3 |
| 15°   | 4130.8 | 4056.6 | 3993.6 | 3931.6 | 3944.8 | 3892.1 | 3883.7 | 3867.7 | 3872.4 | 3860.2 | 3880.9 |
| 17.5° | 4047.2 | 3961.7 | 3893.1 | 3826.4 | 3839.5 | 3795.4 | 3788.8 | 3781.3 | 3786.0 | 3784.1 | 3806.7 |
| 20°   | 3953.2 | 3859.3 | 3780.4 | 3714.6 | 3722.1 | 3687.3 | 3690.2 | 3688.3 | 3697.7 | 3708.0 | 3739.0 |
| 22.5° | 3847.1 | 3740.9 | 3658.2 | 3590.6 | 3601.9 | 3571.8 | 3584.9 | 3588.7 | 3604.7 | 3628.2 | 3667.6 |
| 25°   | 3727.7 | 3614.1 | 3527.6 | 3463.8 | 3474.1 | 3454.4 | 3476.9 | 3486.3 | 3511.7 | 3551.1 | 3591.5 |
| 27.5° | 3602.8 | 3482.5 | 3390.5 | 3329.4 | 3349.1 | 3329.4 | 3363.2 | 3382.0 | 3420.5 | 3463.8 | 3513.6 |
| 30°   | 3470.3 | 3345.4 | 3250.5 | 3196.0 | 3214.8 | 3197.0 | 3251.4 | 3276.8 | 3315.3 | 3374.5 | 3433.7 |
| 32.5° | 3331.3 | 3199.8 | 3106.8 | 3064.5 | 3077.6 | 3074.8 | 3135.9 | 3164.1 | 3215.7 | 3283.4 | 3346.3 |
| 35°   | 3188.5 | 3051.3 | 2957.4 | 2921.7 | 2937.7 | 2941.4 | 3014.7 | 3047.6 | 3103.9 | 3185.7 | 3253.3 |
| 37.5° | 3041.0 | 2901.0 | 2809.0 | 2779.8 | 2793.9 | 2808.0 | 2893.5 | 2926.4 | 2990.3 | 3079.5 | 3153.7 |
| 40°   | 2887.9 | 2747.9 | 2657.7 | 2634.2 | 2648.3 | 2663.3 | 2756.4 | 2801.4 | 2871.0 | 2967.7 | 3048.5 |
| 42.5° | 2732.9 | 2592.9 | 2505.5 | 2488.6 | 2502.7 | 2531.8 | 2630.5 | 2672.7 | 2746.0 | 2853.1 | 2942.4 |
| 45°   | 2575.0 | 2429.4 | 2353.3 | 2340.2 | 2355.2 | 2389.0 | 2485.8 | 2536.5 | 2614.5 | 2731.9 | 2827.8 |
| 47.5° | 2415.3 | 2273.5 | 2201.1 | 2192.7 | 2207.7 | 2245.3 | 2352.4 | 2398.4 | 2481.1 | 2606.0 | 2709.4 |
| 50°   | 2253.7 | 2115.6 | 2046.1 | 2043.3 | 2057.4 | 2097.8 | 2200.2 | 2254.7 | 2340.2 | 2480.2 | 2586.3 |
| 52.5° | 2090.3 | 1957.8 | 1894.9 | 1894.9 | 1908.0 | 1949.4 | 2052.7 | 2109.1 | 2197.4 | 2344.9 | 2462.3 |
| 55°   | 1926.8 | 1800.9 | 1740.8 | 1745.5 | 1764.3 | 1800.0 | 1900.5 | 1959.7 | 2048.9 | 2202.1 | 2326.1 |
| 57.5° | 1763.4 | 1644.0 | 1589.6 | 1596.1 | 1614.0 | 1649.7 | 1748.3 | 1815.0 | 1895.8 | 2054.6 | 2181.4 |
| 60°   | 1601.8 | 1489.0 | 1441.1 | 1448.6 | 1464.6 | 1500.3 | 1602.7 | 1660.0 | 1740.8 | 1902.4 | 2029.2 |
| 62.5° | 1438.3 | 1335.9 | 1290.8 | 1300.2 | 1314.3 | 1350.0 | 1446.8 | 1502.2 | 1582.0 | 1740.8 | 1868.6 |
| 65°   | 1276.7 | 1181.8 | 1143.3 | 1152.7 | 1165.9 | 1198.7 | 1289.9 | 1343.4 | 1419.5 | 1574.5 | 1696.7 |
| 67.5° | 1117.0 | 1030.6 | 998.6  | 1008.0 | 1018.4 | 1049.4 | 1124.5 | 1182.8 | 1254.2 | 1401.7 | 1517.2 |
| 70°   | 959.2  | 882.1  | 854.0  | 863.4  | 872.8  | 900.9  | 966.7  | 1020.2 | 1086.0 | 1221.3 | 1328.4 |
| 72.5° | 803.2  | 728.1  | 714.0  | 722.4  | 730.0  | 754.4  | 817.3  | 859.6  | 916.9  | 1037.2 | 1129.2 |
| 75°   | 651.0  | 586.2  | 576.8  | 585.3  | 591.9  | 610.6  | 663.3  | 699.9  | 747.8  | 852.1  | 927.2  |
| 77.5° | 504.5  | 450.0  | 446.2  | 452.8  | 459.4  | 472.5  | 513.9  | 552.4  | 590.0  | 667.0  | 733.7  |
| 80°   | 367.3  | 323.2  | 323.2  | 329.7  | 327.9  | 343.8  | 373.0  | 404.0  | 431.2  | 486.6  | 535.5  |
| 82.5° | 242.4  | 207.6  | 212.3  | 217.0  | 219.8  | 226.4  | 244.3  | 267.7  | 284.7  | 318.5  | 350.4  |
| 85°   | 134.3  | 110.9  | 115.6  | 119.3  | 117.4  | 124.9  | 134.3  | 148.4  | 156.9  | 172.9  | 189.8  |
| 87.5° | 49.8   | 41.3   | 42.3   | 45.1   | 47.0   | 50.7   | 50.7   | 59.2   | 60.1   | 62.0   | 65.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P834602

CATALOG NUMBER: ORLG-24-4-INS-ASY2-LD4-3STD-50-120-EDD

**CANDELA DISTRIBUTION (continued):**

|       | 160°   | 170°   | 180°   |
|-------|--------|--------|--------|
| 0°    | 4298.0 | 4298.0 | 4298.0 |
| 2.5°  | 4195.6 | 4218.1 | 4235.0 |
| 5°    | 4123.3 | 4142.0 | 4157.1 |
| 7.5°  | 4052.8 | 4069.7 | 4082.9 |
| 10°   | 3986.1 | 4004.9 | 4014.3 |
| 12.5° | 3917.5 | 3939.1 | 3946.6 |
| 15°   | 3849.9 | 3871.5 | 3880.9 |
| 17.5° | 3780.4 | 3808.5 | 3818.9 |
| 20°   | 3715.5 | 3751.2 | 3759.7 |
| 22.5° | 3649.8 | 3686.4 | 3696.7 |
| 25°   | 3578.4 | 3621.6 | 3631.9 |
| 27.5° | 3502.3 | 3553.9 | 3564.3 |
| 30°   | 3426.2 | 3482.5 | 3492.9 |
| 32.5° | 3344.4 | 3405.5 | 3414.9 |
| 35°   | 3259.0 | 3320.0 | 3331.3 |
| 37.5° | 3164.1 | 3230.8 | 3253.3 |
| 40°   | 3065.4 | 3137.8 | 3161.3 |
| 42.5° | 2962.1 | 3041.0 | 3065.4 |
| 45°   | 2851.2 | 2937.7 | 2965.8 |
| 47.5° | 2739.4 | 2837.1 | 2861.6 |
| 50°   | 2618.3 | 2722.5 | 2751.7 |
| 52.5° | 2491.4 | 2605.1 | 2634.2 |
| 55°   | 2359.9 | 2474.5 | 2506.5 |
| 57.5° | 2217.1 | 2335.5 | 2369.3 |
| 60°   | 2067.7 | 2186.1 | 2218.0 |
| 62.5° | 1914.6 | 2021.7 | 2052.7 |
| 65°   | 1743.6 | 1844.1 | 1872.3 |
| 67.5° | 1562.3 | 1654.4 | 1677.9 |
| 70°   | 1369.7 | 1449.6 | 1470.2 |
| 72.5° | 1168.7 | 1224.1 | 1251.4 |
| 75°   | 961.1  | 1005.2 | 1025.9 |
| 77.5° | 752.5  | 783.5  | 800.4  |
| 80°   | 548.6  | 566.5  | 580.6  |
| 82.5° | 358.9  | 366.4  | 376.7  |
| 85°   | 193.5  | 193.5  | 200.1  |
| 87.5° | 65.8   | 62.9   | 65.8   |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)