

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: SHAPER

Report Number: P229130

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 799.3 lumens  
Efficiency: N/A  
Efficacy: 56.7 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

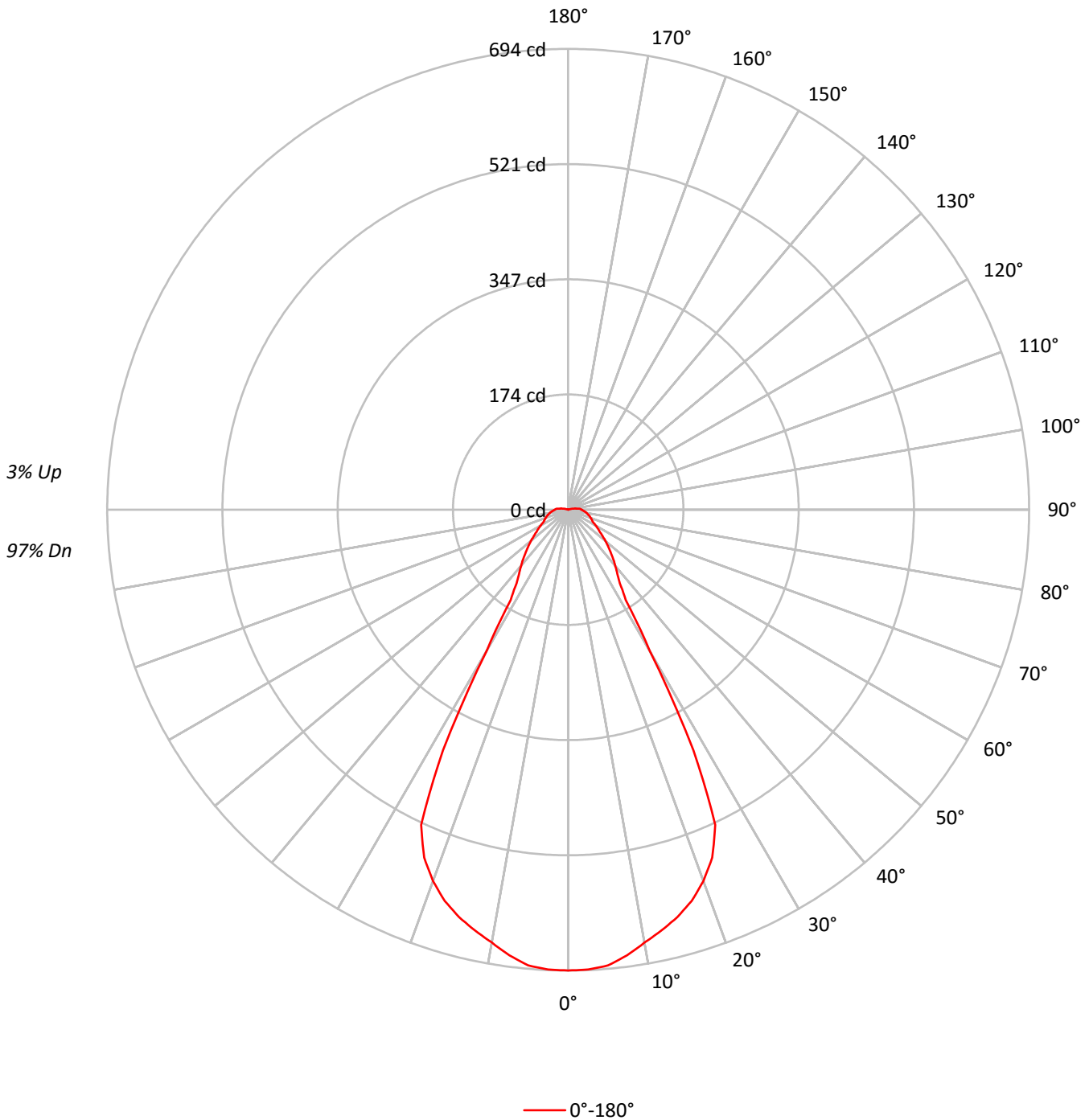
Input Watts (W): 14.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P229130

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

### Luminous Intensity Polar Plot





TEST NUMBER: P229130

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    | 20 |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |
| 1   | 110 | 106 | 102 | 99  | 107 | 103 | 100 | 97  | 99  | 96  | 93  | 94  | 92  | 90  | 90 | 89 | 87 | 85 |
| 2   | 102 | 96  | 90  | 86  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 86  | 83  | 80  | 83 | 80 | 78 | 76 |
| 3   | 96  | 87  | 81  | 76  | 93  | 86  | 80  | 75  | 83  | 77  | 73  | 80  | 75  | 72  | 77 | 73 | 70 | 68 |
| 4   | 90  | 80  | 73  | 68  | 88  | 79  | 72  | 67  | 76  | 71  | 66  | 74  | 69  | 65  | 71 | 67 | 64 | 62 |
| 5   | 85  | 74  | 67  | 62  | 83  | 73  | 66  | 61  | 71  | 65  | 61  | 69  | 64  | 60  | 67 | 62 | 59 | 57 |
| 6   | 80  | 69  | 62  | 57  | 78  | 68  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 63 | 58 | 54 | 53 |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 60  | 55  | 51  | 59 | 54 | 51 | 49 |
| 8   | 71  | 60  | 53  | 49  | 70  | 60  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56 | 51 | 47 | 46 |
| 9   | 68  | 57  | 50  | 45  | 66  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 48  | 45  | 53 | 48 | 44 | 43 |
| 10  | 64  | 54  | 47  | 43  | 63  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50 | 45 | 42 | 40 |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 45277 |
| 5°  | 40324 |
| 10° | 35373 |
| 15° | 31434 |
| 20° | 27627 |
| 25° | 23073 |
| 30° | 10355 |
| 35° | 5515  |
| 40° | 4383  |
| 45° | 3522  |
| 50° | 2831  |
| 55° | 2246  |
| 60° | 1870  |
| 65° | 1581  |
| 70° | 1454  |
| 75° | 1328  |
| 80° | 1207  |
| 85° | 1086  |



TEST NUMBER: P229130

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 64.8   | 8.1       |
| 10°-20°   | 178.4  | 22.3      |
| 20°-30°   | 217.6  | 27.2      |
| 30°-40°   | 92.1   | 11.5      |
| 40°-50°   | 69.9   | 8.7       |
| 50°-60°   | 52.9   | 6.6       |
| 60°-70°   | 40.5   | 5.1       |
| 70°-80°   | 33.9   | 4.2       |
| 80°-90°   | 26.2   | 3.3       |
| 90°-100°  | 17.5   | 2.2       |
| 100°-110° | 5.2    | 0.6       |
| 110°-120° | 0.4    | 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°    | 460.8  | 57.7      |
| 0°-40°    | 552.9  | 69.2      |
| 0°-60°    | 675.7  | 84.5      |
| 0°-90°    | 776.2  | 97.1      |
| 90°-120°  | 23.0   | 2.9       |
| 90°-150°  | 23.0   | 2.9       |
| 90°-180°  | 23.0   | 2.9       |
| 0°-180°   | 799.3  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | Flux |
|------|-----|------|
| 0°   | 694 |      |
| 5°   | 689 | 65   |
| 15°  | 635 | 178  |
| 25°  | 524 | 218  |
| 35°  | 135 | 92   |
| 45°  | 90  | 70   |
| 55°  | 58  | 53   |
| 65°  | 40  | 40   |
| 75°  | 32  | 34   |
| 85°  | 24  | 20   |
| 90°  | 20  | 11   |
| 95°  | 17  | 12   |
| 105° | 4   | 5    |
| 115° | 0   | 0    |
| 125° | 0   | 0    |
| 135° | 0   | 0    |
| 145° | 0   | 0    |
| 155° | 0   | 0    |
| 165° | 0   | 0    |
| 175° | 0   | 0    |
| 180° | 0   | 0    |



TEST NUMBER: P229130

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

**CANDELA DISTRIBUTION (FULL):**

| 0°     |       |
|--------|-------|
| 0°     | 694.0 |
| 2.5°   | 693.0 |
| 5°     | 689.0 |
| 7.5°   | 677.0 |
| 10°    | 662.0 |
| 12.5°  | 649.0 |
| 15°    | 635.0 |
| 17.5°  | 617.9 |
| 20°    | 594.9 |
| 22.5°  | 566.9 |
| 25°    | 523.8 |
| 27.5°  | 408.6 |
| 30°    | 245.4 |
| 32.5°  | 161.2 |
| 35°    | 135.2 |
| 37.5°  | 121.2 |
| 40°    | 110.2 |
| 42.5°  | 100.2 |
| 45°    | 90.1  |
| 47.5°  | 81.1  |
| 50°    | 73.1  |
| 52.5°  | 65.1  |
| 55°    | 58.1  |
| 57.5°  | 53.1  |
| 60°    | 48.1  |
| 62.5°  | 43.1  |
| 65°    | 40.1  |
| 67.5°  | 38.1  |
| 70°    | 36.1  |
| 72.5°  | 34.1  |
| 75°    | 32.0  |
| 77.5°  | 30.0  |
| 80°    | 28.0  |
| 82.5°  | 26.0  |
| 85°    | 24.0  |
| 87.5°  | 22.0  |
| 90°    | 20.0  |
| 92.5°  | 19.0  |
| 95°    | 17.0  |
| 97.5°  | 13.0  |
| 100°   | 10.0  |
| 102.5° | 7.0   |
| 105°   | 4.0   |
| 107.5° | 3.0   |
| 110°   | 1.0   |



TEST NUMBER: P229130

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

**CANDELA DISTRIBUTION (continued):**

|        | 0°  |
|--------|-----|
| 112.5° | 1.0 |
| 115°   | 0.0 |
| 117.5° | 0.0 |
| 120°   | 0.0 |
| 122.5° | 0.0 |
| 125°   | 0.0 |
| 127.5° | 0.0 |
| 130°   | 0.0 |
| 132.5° | 0.0 |
| 135°   | 0.0 |
| 137.5° | 0.0 |
| 140°   | 0.0 |
| 142.5° | 0.0 |
| 145°   | 0.0 |
| 147.5° | 0.0 |
| 150°   | 0.0 |
| 152.5° | 0.0 |
| 155°   | 0.0 |
| 157.5° | 0.0 |
| 160°   | 0.0 |
| 162.5° | 0.0 |
| 165°   | 0.0 |
| 167.5° | 0.0 |
| 170°   | 0.0 |
| 172.5° | 0.0 |
| 175°   | 0.0 |
| 177.5° | 0.0 |
| 180°   | 0.0 |

(END OF REPORT)