

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: P229245

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9030-6LBW1LI-GFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)  
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-1020-9030-6LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 808.0 lumens  
Efficiency: N/A  
Efficacy: 57.3 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

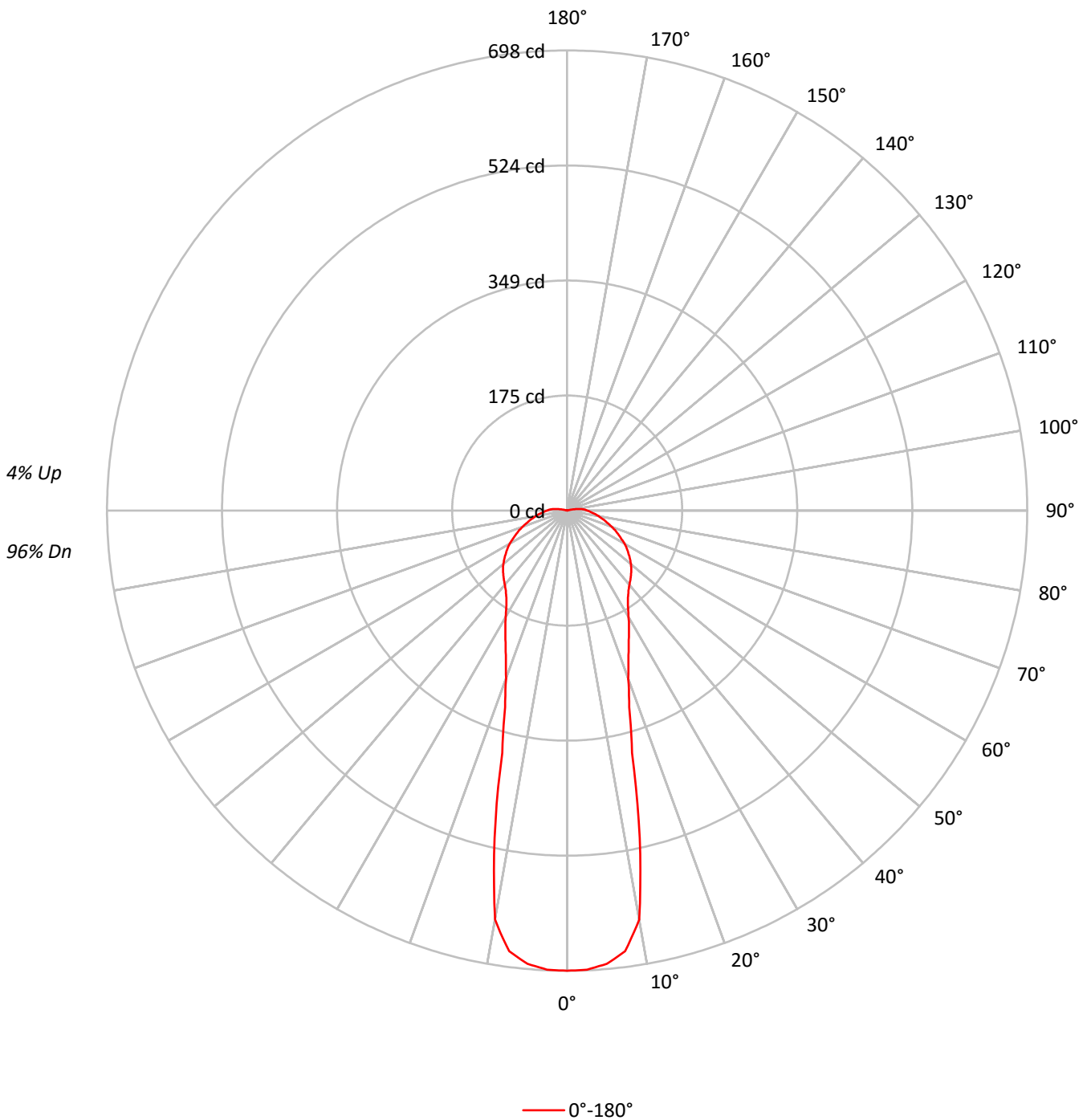
Input Watts (W): 14.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P229245

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9030-6LBW1LI-GFF

### Luminous Intensity Polar Plot





TEST NUMBER: P229245

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9030-6LBW1LI-GFF

**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	109	109	109	104	104	104	99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48	58	52	47	56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	50	43	39	48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36	46	40	36	45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29

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

	0°
0°	45538
5°	40389
10°	33663
15°	18836
20°	12590
25°	9726
30°	7862
35°	6556
40°	5843
45°	5356
50°	4887
55°	4384
60°	3912
65°	3382
70°	2899
75°	2456
80°	2083
85°	1737



TEST NUMBER: P229245

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9030-6LBW1LI-GFF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	7.9
10°-20°	111.7	13.8
20°-30°	102.5	12.7
30°-40°	101.9	12.6
40°-50°	105.8	13.1
50°-60°	101.7	12.6
60°-70°	85.1	10.5
70°-80°	62.8	7.8
80°-90°	42.5	5.3
90°-100°	24.6	3.0
100°-110°	5.1	0.6
110°-120°	0.1	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°	278.3	34.4
0°-40°	380.2	47.1
0°-60°	587.8	72.7
0°-90°	778.1	96.3
90°-120°	29.9	3.7
90°-150°	29.9	3.7
90°-180°	30.0	3.7
0°-180°	808.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	698	
5°	690	64
15°	380	112
25°	221	102
35°	161	102
45°	137	106
55°	113	102
65°	86	85
75°	59	63
85°	38	34
90°	31	17
95°	24	17
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: P229245

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9030-6LBW1LI-GFF

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	698.0
2.5°	697.0
5°	690.1
7.5°	674.3
10°	630.0
12.5°	508.7
15°	380.5
17.5°	312.5
20°	271.1
22.5°	242.5
25°	220.8
27.5°	203.1
30°	186.3
32.5°	171.5
35°	160.7
37.5°	152.8
40°	146.9
42.5°	142.0
45°	137.0
47.5°	132.1
50°	126.2
52.5°	120.3
55°	113.4
57.5°	107.5
60°	100.6
62.5°	92.7
65°	85.8
67.5°	78.9
70°	72.0
72.5°	65.1
75°	59.2
77.5°	53.2
80°	48.3
82.5°	43.4
85°	38.4
87.5°	34.5
90°	30.6
92.5°	27.6
95°	23.7
97.5°	17.7
100°	11.8
102.5°	6.9
105°	3.9
107.5°	2.0
110°	1.0



TEST NUMBER: P229245

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9030-6LBW1LI-GFF

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.0
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)