

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: P229217

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229217  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
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-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 857.8 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

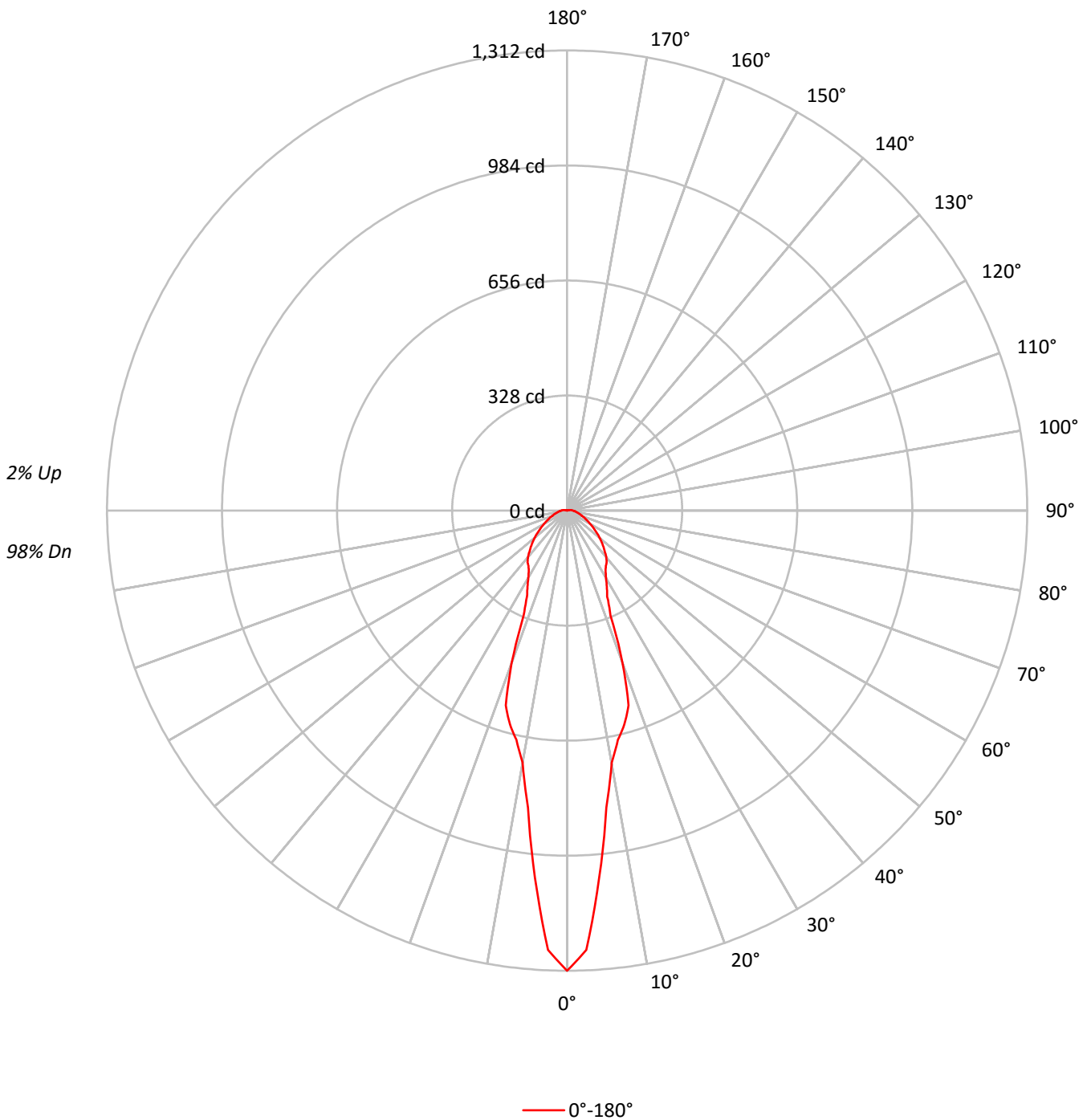
Input Watts (W): 14.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93	94	92	90	90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81	85	82	78	82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71	78	73	70	75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63	72	67	62	69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57	66	61	57	64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37

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

	0°
0°	85596
5°	61487
10°	39011
15°	31236
20°	21487
25°	11911
30°	9338
35°	7845
40°	6893
45°	5716
50°	4694
55°	3715
60°	2959
65°	2329
70°	1856
75°	1498
80°	1207
85°	995



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.8	10.5
10°-20°	172.3	20.1
20°-30°	133.8	15.6
30°-40°	121.7	14.2
40°-50°	112.9	13.2
50°-60°	86.9	10.1
60°-70°	59.5	6.9
70°-80°	38.6	4.5
80°-90°	24.0	2.8
90°-100°	13.9	1.6
100°-110°	4.4	0.5
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°	395.9	46.1
0°-40°	517.5	60.3
0°-60°	717.3	83.6
0°-90°	839.4	97.9
90°-120°	18.4	2.1
90°-150°	18.4	2.1
90°-180°	18.0	2.1
0°-180°	857.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1312	
5°	1051	90
15°	631	172
25°	270	134
35°	192	122
45°	146	113
55°	96	87
65°	59	59
75°	36	39
85°	22	19
90°	16	9
95°	13	10
105°	4	4
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1312.0
2.5°	1253.9
5°	1050.6
7.5°	854.3
10°	730.1
12.5°	669.0
15°	631.0
17.5°	581.9
20°	462.7
22.5°	323.5
25°	270.4
27.5°	244.4
30°	221.3
32.5°	203.3
35°	192.3
37.5°	185.3
40°	173.3
42.5°	159.2
45°	146.2
47.5°	133.2
50°	121.2
52.5°	108.2
55°	96.1
57.5°	86.1
60°	76.1
62.5°	67.1
65°	59.1
67.5°	53.1
70°	46.1
72.5°	41.1
75°	36.1
77.5°	32.0
80°	28.0
82.5°	25.0
85°	22.0
87.5°	19.0
90°	16.0
92.5°	15.0
95°	13.0
97.5°	11.0
100°	8.0
102.5°	6.0
105°	4.0
107.5°	2.0
110°	1.0



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**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)