

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: P229289

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-GFC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229289  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-GFC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.  
Light Source: (1) 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2089.6 lumens  
Efficiency: N/A  
Efficacy: 50.0 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

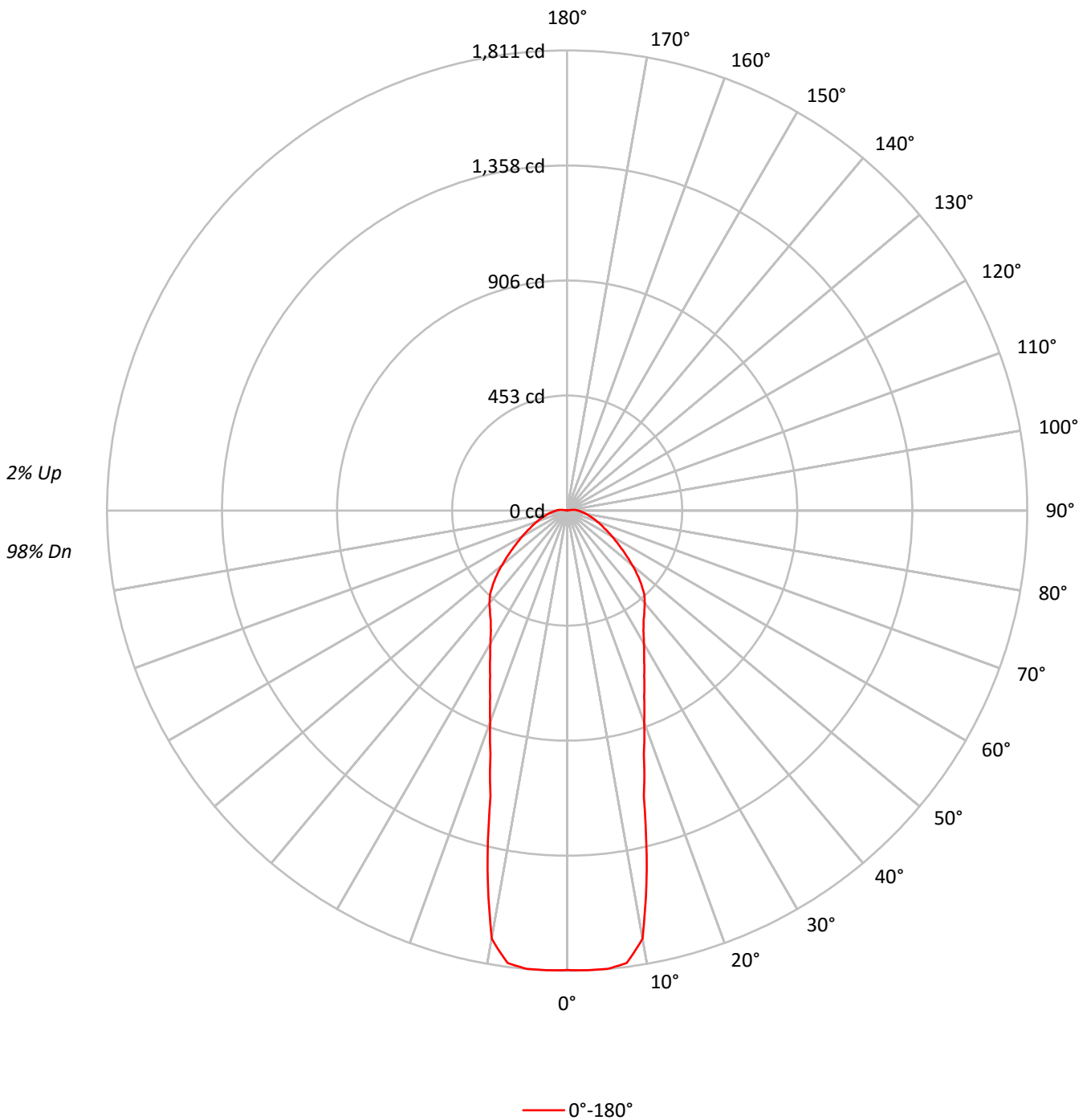
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	105	101	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

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

	0°
0°	117981
5°	105973
10°	91419
15°	57640
20°	41164
25°	31610
30°	25471
35°	21425
40°	18905
45°	16165
50°	12977
55°	10105
60°	7948
65°	6275
70°	5070
75°	4041
80°	3277
85°	2579



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.2	8.1
10°-20°	336.1	16.1
20°-30°	332.9	15.9
30°-40°	331.7	15.9
40°-50°	316.7	15.2
50°-60°	236.3	11.3
60°-70°	160.2	7.7
70°-80°	104.4	5.0
80°-90°	63.5	3.0
90°-100°	33.1	1.6
100°-110°	4.5	0.2
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°	839.3	40.2
0°-40°	1171.0	56.0
0°-60°	1724.0	82.5
0°-90°	2052.1	98.2
90°-120°	37.6	1.8
90°-150°	37.6	1.8
90°-180°	38.0	1.8
0°-180°	2089.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1808	
5°	1811	170
15°	1164	336
25°	718	333
35°	525	332
45°	414	317
55°	261	236
65°	159	160
75°	97	104
85°	57	51
90°	43	24
95°	31	22
105°	2	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°	1808.4
2.5°	1810.7
5°	1810.7
7.5°	1796.5
10°	1710.9
12.5°	1447.2
15°	1164.4
17.5°	1005.2
20°	886.4
22.5°	791.3
25°	717.6
27.5°	655.9
30°	603.6
32.5°	558.4
35°	525.2
37.5°	499.0
40°	475.3
42.5°	449.1
45°	413.5
47.5°	375.5
50°	335.1
52.5°	297.0
55°	261.4
57.5°	230.5
60°	204.4
62.5°	180.6
65°	159.2
67.5°	142.6
70°	125.9
72.5°	111.7
75°	97.4
77.5°	85.5
80°	76.0
82.5°	66.5
85°	57.0
87.5°	49.9
90°	42.8
92.5°	38.0
95°	30.9
97.5°	23.8
100°	14.3
102.5°	7.1
105°	2.4
107.5°	0.0
110°	0.0



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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)