

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: P229203

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9027-6LBW1LI-CF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229203  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)  
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-3040-9027-6LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2341.6 lumens  
Efficiency: N/A  
Efficacy: 56.0 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

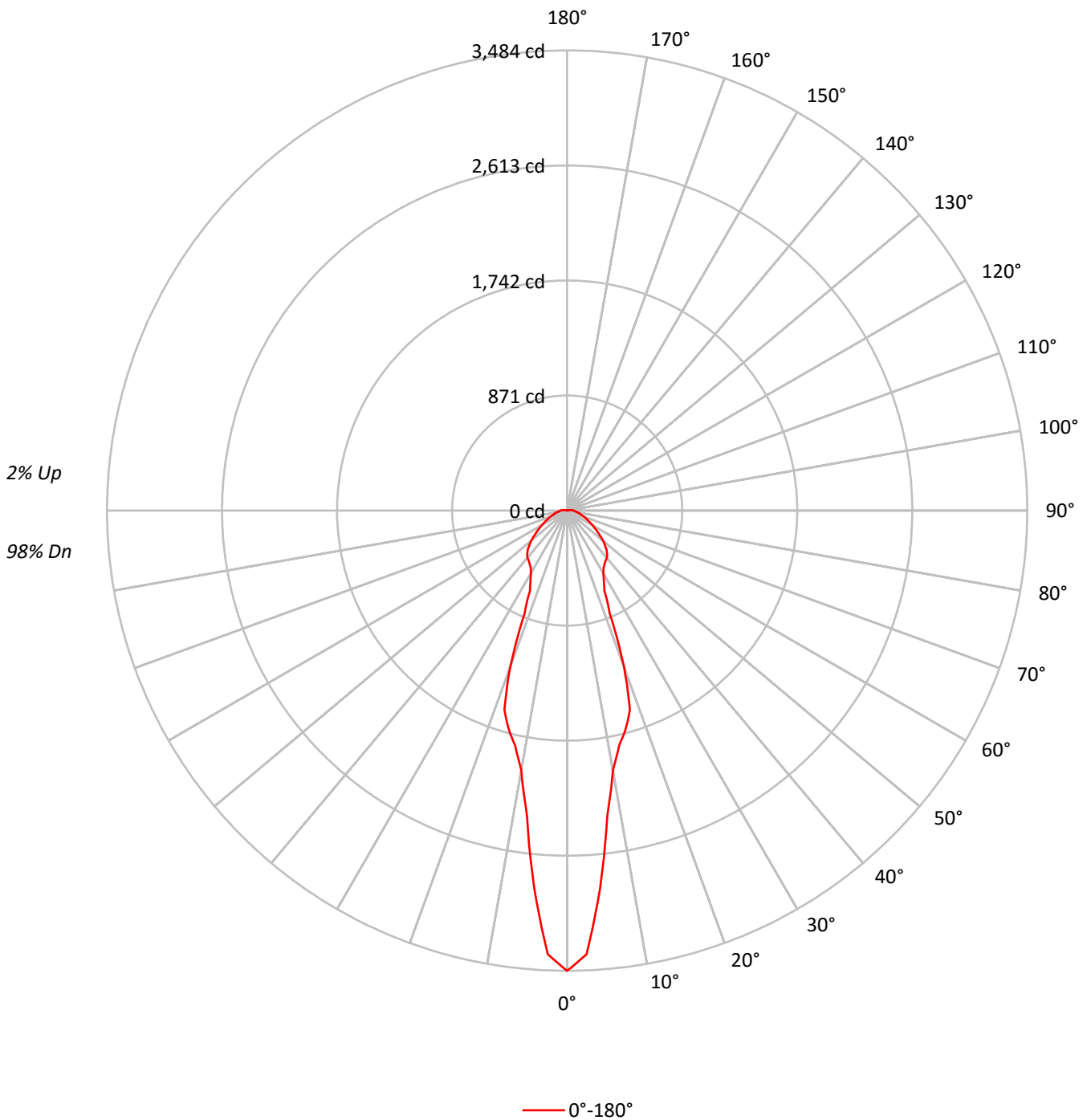
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	107	103	99	96	98	95	93	94	92	90	90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70	77	73	69	75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63	71	66	62	69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56	66	60	56	64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44	53	48	44	52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41	50	45	41	49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	36

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

	0°
0°	227311
5°	167718
10°	106652
15°	84768
20°	58449
25°	29385
30°	23137
35°	20165
40°	18587
45°	16470
50°	13701
55°	10859
60°	8613
65°	6815
70°	5328
75°	4257
80°	3493
85°	2810



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.0	10.4
10°-20°	468.5	20.0
20°-30°	340.2	14.5
30°-40°	312.1	13.3
40°-50°	321.9	13.7
50°-60°	253.0	10.8
60°-70°	172.1	7.3
70°-80°	110.1	4.7
80°-90°	68.1	2.9
90°-100°	39.4	1.7
100°-110°	11.9	0.5
110°-120°	0.3	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°	1052.7	45.0
0°-40°	1364.8	58.3
0°-60°	1939.7	82.8
0°-90°	2290.0	97.8
90°-120°	51.6	2.2
90°-150°	51.6	2.2
90°-180°	52.0	2.2
0°-180°	2341.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3484	
5°	2866	244
15°	1712	468
25°	667	340
35°	494	312
45°	421	322
55°	281	253
65°	173	172
75°	103	110
85°	62	54
90°	46	26
95°	38	27
105°	11	12
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°	3484.2
2.5°	3362.6
5°	2865.7
7.5°	2328.2
10°	1996.0
12.5°	1820.4
15°	1712.4
17.5°	1580.0
20°	1258.6
22.5°	842.7
25°	667.1
27.5°	599.6
30°	548.3
32.5°	513.2
35°	494.3
37.5°	478.1
40°	467.3
42.5°	448.4
45°	421.3
47.5°	388.9
50°	353.8
52.5°	316.0
55°	280.9
57.5°	248.5
60°	221.5
62.5°	194.5
65°	172.9
67.5°	151.3
70°	132.3
72.5°	116.1
75°	102.6
77.5°	91.8
80°	81.0
82.5°	70.2
85°	62.1
87.5°	54.0
90°	45.9
92.5°	43.2
95°	37.8
97.5°	29.7
100°	21.6
102.5°	16.2
105°	10.8
107.5°	5.4
110°	2.7



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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)