

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: P229206

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9040-6LBW1LI-CF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229206  
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-3040-9040-6LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2474.1 lumens  
Efficiency: N/A  
Efficacy: 59.2 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

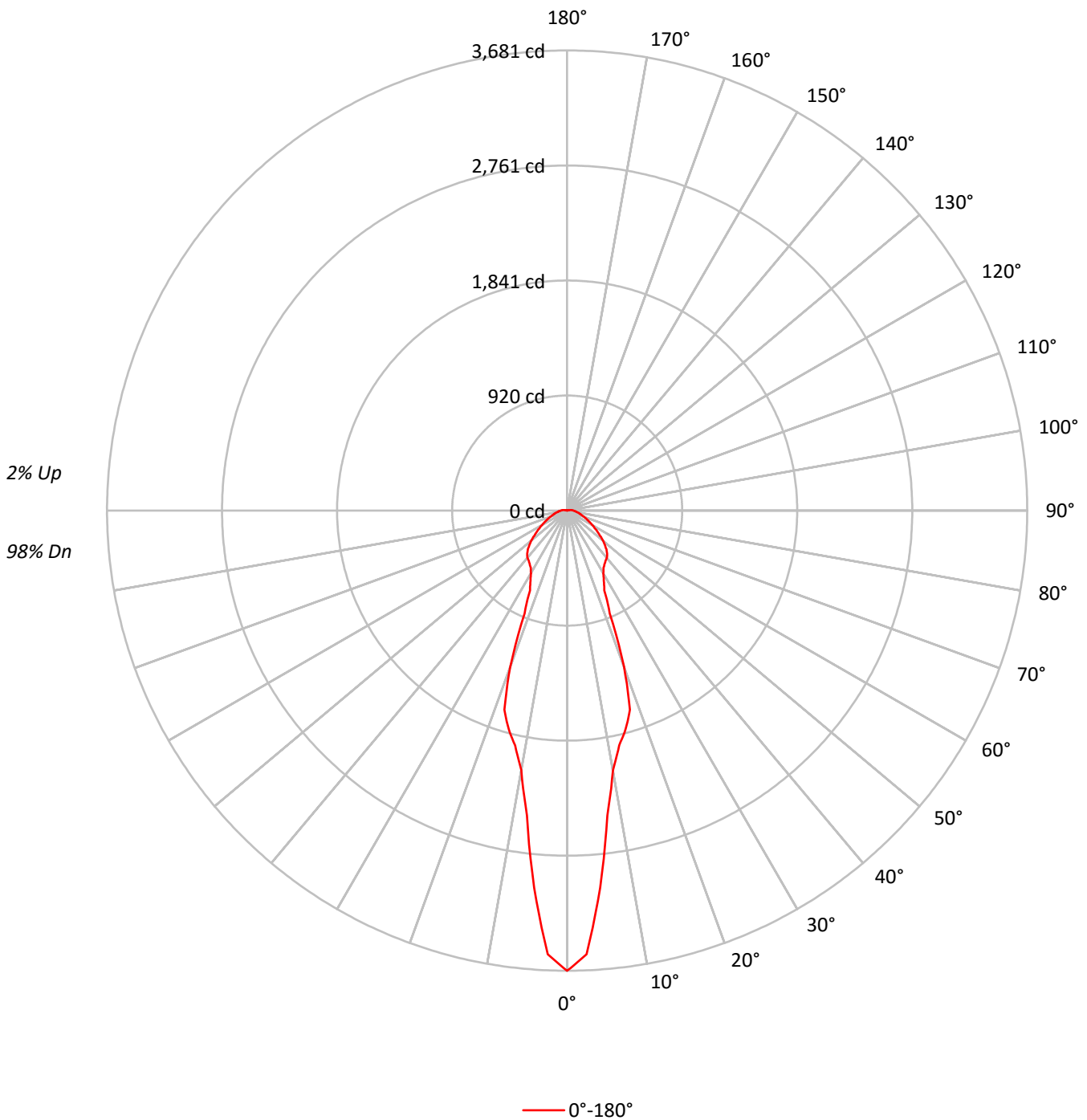
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	240164
5°	177199
10°	112680
15°	89559
20°	61755
25°	31046
30°	24445
35°	21303
40°	19637
45°	17405
50°	14476
55°	11473
60°	9099
65°	7197
70°	5630
75°	4497
80°	3691
85°	2968



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.8	10.4
10°-20°	495.0	20.0
20°-30°	359.4	14.5
30°-40°	329.8	13.3
40°-50°	340.2	13.7
50°-60°	267.3	10.8
60°-70°	181.8	7.3
70°-80°	116.4	4.7
80°-90°	71.9	2.9
90°-100°	41.7	1.7
100°-110°	12.5	0.5
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°	1112.2	45.0
0°-40°	1441.9	58.3
0°-60°	2049.4	82.8
0°-90°	2419.5	97.8
90°-120°	54.6	2.2
90°-150°	54.6	2.2
90°-180°	55.0	2.2
0°-180°	2474.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3681	
5°	3028	258
15°	1809	495
25°	705	359
35°	522	330
45°	445	340
55°	297	267
65°	183	182
75°	108	116
85°	66	57
90°	48	27
95°	40	29
105°	11	13
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3681.2
2.5°	3552.8
5°	3027.7
7.5°	2459.8
10°	2108.8
12.5°	1923.3
15°	1809.2
17.5°	1669.4
20°	1329.8
22.5°	890.3
25°	704.8
27.5°	633.5
30°	579.3
32.5°	542.2
35°	522.2
37.5°	505.1
40°	493.7
42.5°	473.7
45°	445.2
47.5°	410.9
50°	373.8
52.5°	333.9
55°	296.8
57.5°	262.5
60°	234.0
62.5°	205.5
65°	182.6
67.5°	159.8
70°	139.8
72.5°	122.7
75°	108.4
77.5°	97.0
80°	85.6
82.5°	74.2
85°	65.6
87.5°	57.1
90°	48.5
92.5°	45.7
95°	40.0
97.5°	31.4
100°	22.8
102.5°	17.1
105°	11.4
107.5°	5.7
110°	2.9



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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)