

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: P229208

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9024-6LBW1LI-CQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229208  
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-10-D010 / 340-EU6B-1020-9024-6LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 518.2 lumens  
Efficiency: N/A  
Efficacy: 52.3 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

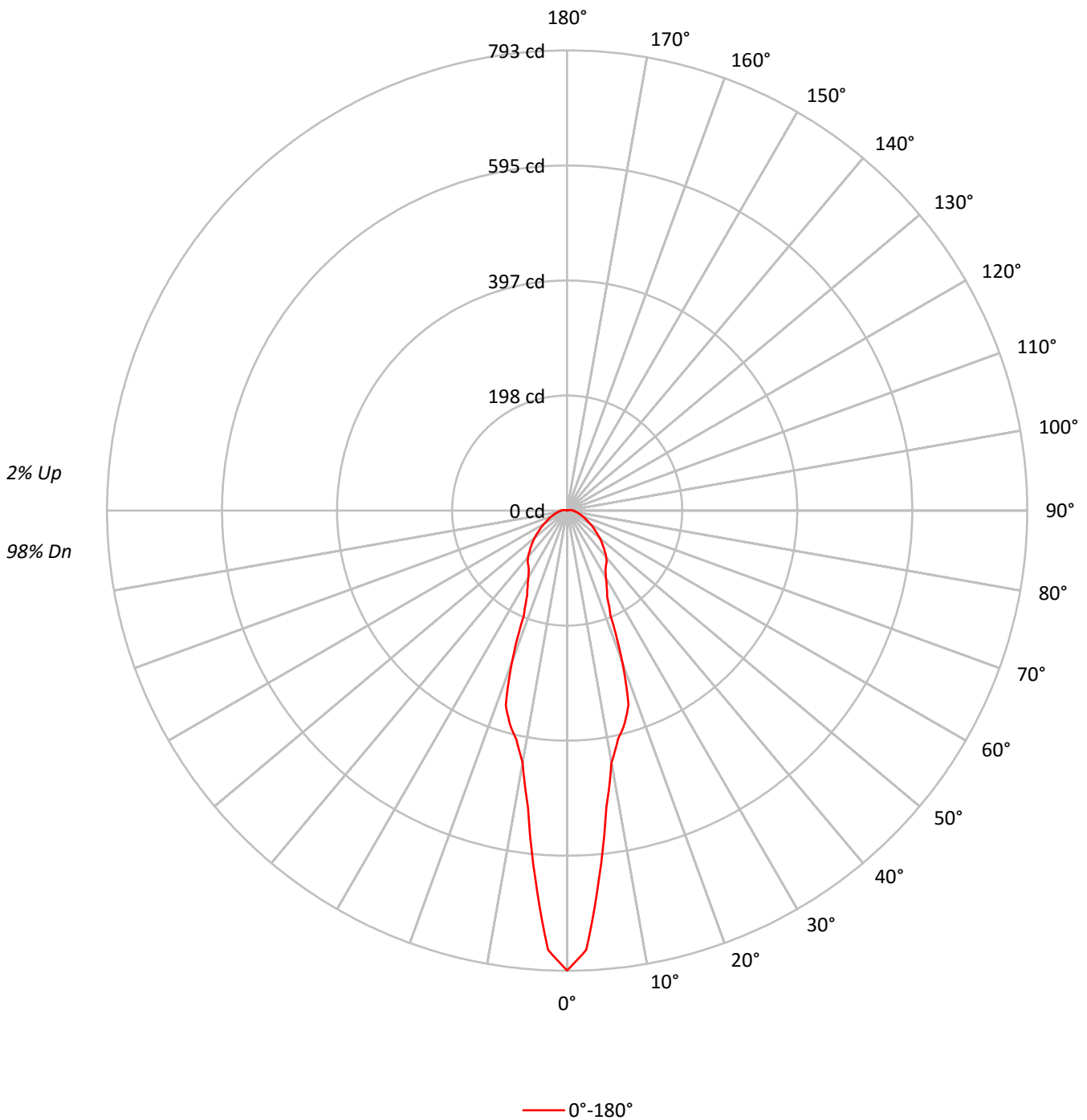
Input Watts (W): 9.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	51710
5°	37146
10°	23569
15°	18870
20°	12980
25°	7198
30°	5642
35°	4740
40°	4164
45°	3452
50°	2835
55°	2246
60°	1789
65°	1407
70°	1120
75°	904
80°	729
85°	602



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.2	10.5
10°-20°	104.1	20.1
20°-30°	80.8	15.6
30°-40°	73.5	14.2
40°-50°	68.2	13.2
50°-60°	52.5	10.1
60°-70°	35.9	6.9
70°-80°	23.3	4.5
80°-90°	14.5	2.8
90°-100°	8.4	1.6
100°-110°	2.6	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°	239.1	46.1
0°-40°	312.6	60.3
0°-60°	433.3	83.6
0°-90°	507.1	97.8
90°-120°	11.2	2.2
90°-150°	11.2	2.2
90°-180°	11.0	2.1
0°-180°	518.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	793	
5°	635	54
15°	381	104
25°	163	81
35°	116	74
45°	88	68
55°	58	52
65°	36	36
75°	22	23
85°	13	12
90°	10	5
95°	8	6
105°	2	3
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°	792.6
2.5°	757.5
5°	634.7
7.5°	516.1
10°	441.1
12.5°	404.2
15°	381.2
17.5°	351.5
20°	279.5
22.5°	195.4
25°	163.4
27.5°	147.6
30°	133.7
32.5°	122.8
35°	116.2
37.5°	111.9
40°	104.7
42.5°	96.2
45°	88.3
47.5°	80.5
50°	73.2
52.5°	65.3
55°	58.1
57.5°	52.0
60°	46.0
62.5°	40.5
65°	35.7
67.5°	32.1
70°	27.8
72.5°	24.8
75°	21.8
77.5°	19.4
80°	16.9
82.5°	15.1
85°	13.3
87.5°	11.5
90°	9.7
92.5°	9.1
95°	7.9
97.5°	6.7
100°	4.8
102.5°	3.6
105°	2.4
107.5°	1.2
110°	0.6



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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)