

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: P229181

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9030-6LBW1LI-CF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229181  
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-10-D010 / 340-EU6B-1020-9030-6LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 620.1 lumens  
Efficiency: N/A  
Efficacy: 62.6 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

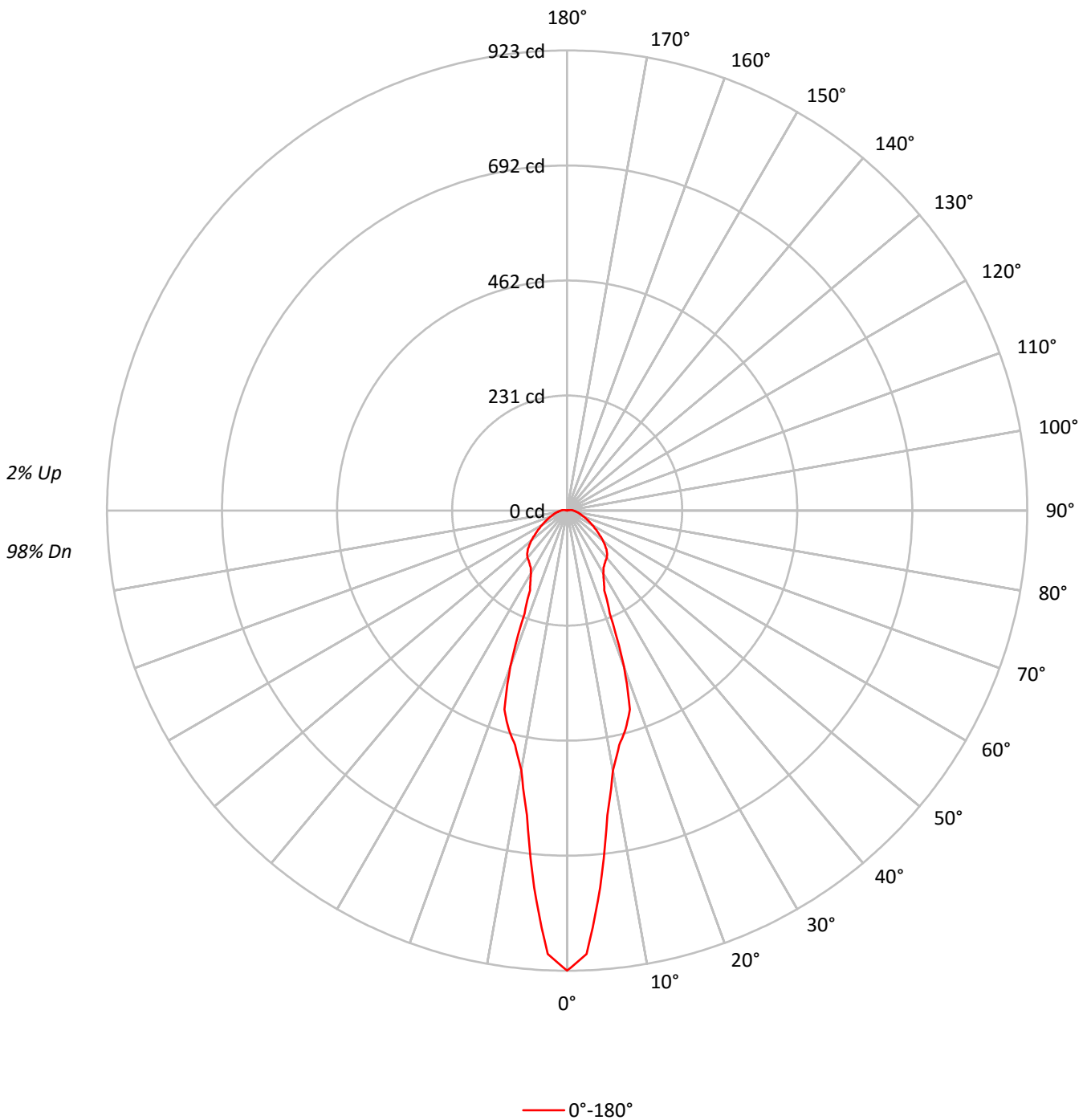
Input Watts (W): 9.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	60191
5°	44409
10°	28239
15°	22444
20°	15478
25°	7783
30°	6127
35°	5340
40°	4920
45°	4363
50°	3629
55°	2876
60°	2279
65°	1805
70°	1409
75°	1128
80°	927
85°	742



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.6	10.4
10°-20°	124.1	20.0
20°-30°	90.1	14.5
30°-40°	82.6	13.3
40°-50°	85.3	13.7
50°-60°	67.0	10.8
60°-70°	45.6	7.3
70°-80°	29.2	4.7
80°-90°	18.0	2.9
90°-100°	10.4	1.7
100°-110°	3.1	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°	278.7	45.0
0°-40°	361.4	58.3
0°-60°	513.6	82.8
0°-90°	606.4	97.8
90°-120°	13.7	2.2
90°-150°	13.7	2.2
90°-180°	14.0	2.3
0°-180°	620.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	923	
5°	759	65
15°	453	124
25°	177	90
35°	131	83
45°	112	85
55°	74	67
65°	46	46
75°	27	29
85°	16	14
90°	12	7
95°	10	7
105°	3	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°	922.6
2.5°	890.4
5°	758.8
7.5°	616.5
10°	528.5
12.5°	482.0
15°	453.4
17.5°	418.4
20°	333.3
22.5°	223.1
25°	176.7
27.5°	158.8
30°	145.2
32.5°	135.9
35°	130.9
37.5°	126.6
40°	123.7
42.5°	118.7
45°	111.6
47.5°	103.0
50°	93.7
52.5°	83.7
55°	74.4
57.5°	65.8
60°	58.6
62.5°	51.5
65°	45.8
67.5°	40.1
70°	35.0
72.5°	30.8
75°	27.2
77.5°	24.3
80°	21.5
82.5°	18.6
85°	16.4
87.5°	14.3
90°	12.2
92.5°	11.4
95°	10.0
97.5°	7.9
100°	5.7
102.5°	4.3
105°	2.9
107.5°	1.4
110°	0.7



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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)