

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: P229270

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-GFC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229270  
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-10-D010 / 340-EU6B-1020-9040-6LBW1LI-GFC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 638.9 lumens  
Efficiency: N/A  
Efficacy: 64.5 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

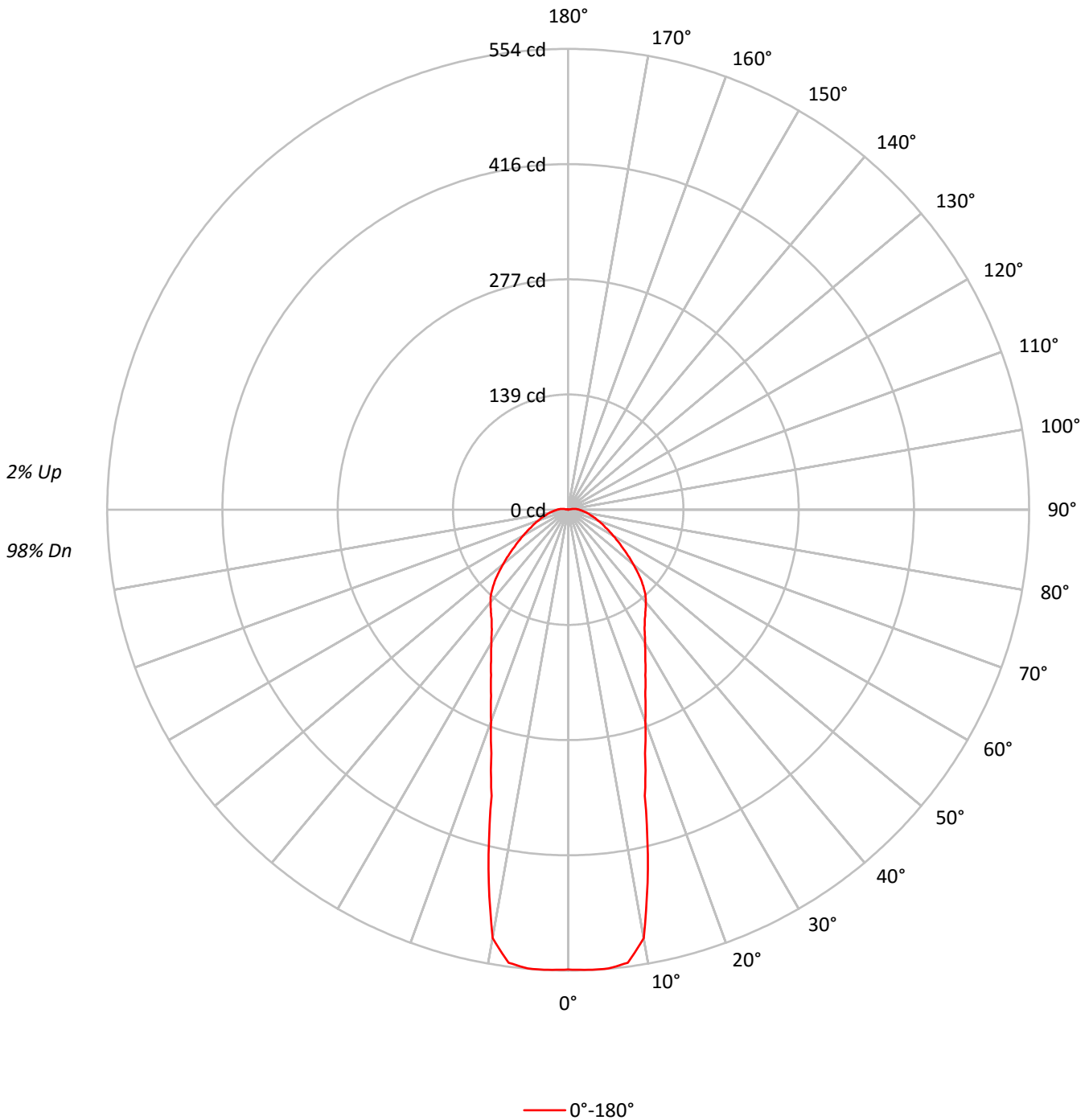
Input Watts (W): 9.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	36072
5°	32406
10°	27951
15°	17623
20°	12585
25°	9664
30°	7790
35°	6552
40°	5779
45°	4941
50°	3966
55°	3089
60°	2430
65°	1919
70°	1550
75°	1236
80°	1005
85°	787



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.1	8.1
10°-20°	102.8	16.1
20°-30°	101.8	15.9
30°-40°	101.4	15.9
40°-50°	96.8	15.2
50°-60°	72.2	11.3
60°-70°	49.0	7.7
70°-80°	31.9	5.0
80°-90°	19.4	3.0
90°-100°	10.1	1.6
100°-110°	1.4	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°	256.6	40.2
0°-40°	358.0	56.0
0°-60°	527.1	82.5
0°-90°	627.4	98.2
90°-120°	11.5	1.8
90°-150°	11.5	1.8
90°-180°	11.0	1.7
0°-180°	638.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	553	
5°	554	52
15°	356	103
25°	219	102
35°	161	101
45°	126	97
55°	80	72
65°	49	49
75°	30	32
85°	17	16
90°	13	7
95°	9	7
105°	1	1
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°	552.9
2.5°	553.7
5°	553.7
7.5°	549.3
10°	523.1
12.5°	442.5
15°	356.0
17.5°	307.3
20°	271.0
22.5°	242.0
25°	219.4
27.5°	200.5
30°	184.6
32.5°	170.7
35°	160.6
37.5°	152.6
40°	145.3
42.5°	137.3
45°	126.4
47.5°	114.8
50°	102.4
52.5°	90.8
55°	79.9
57.5°	70.5
60°	62.5
62.5°	55.2
65°	48.7
67.5°	43.6
70°	38.5
72.5°	34.1
75°	29.8
77.5°	26.2
80°	23.3
82.5°	20.3
85°	17.4
87.5°	15.3
90°	13.1
92.5°	11.6
95°	9.4
97.5°	7.3
100°	4.4
102.5°	2.2
105°	0.7
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)