

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: P229237

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229237  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)  
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-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.  
Light Source: (1) 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 495.8 lumens  
Efficiency: N/A  
Efficacy: 50.1 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

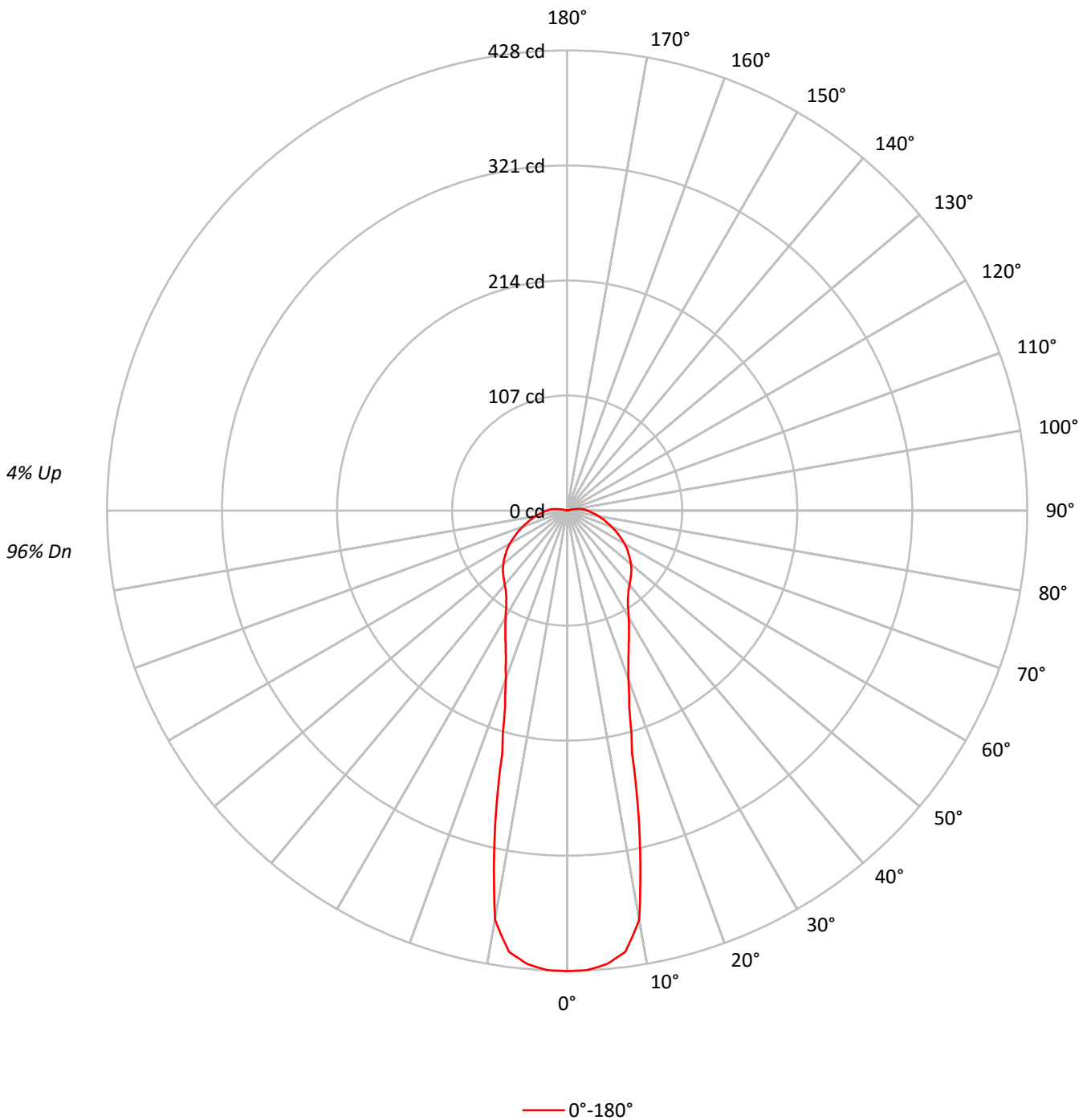
Input Watts (W): 9.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48	58	52	47	56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	50	43	39	48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36	46	40	36	45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29

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

	0°
0°	27949
5°	24786
10°	20657
15°	11559
20°	7728
25°	5969
30°	4827
35°	4022
40°	3588
45°	3288
50°	2997
55°	2691
60°	2399
65°	2073
70°	1780
75°	1506
80°	1276
85°	1068



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	7.9
10°-20°	68.6	13.8
20°-30°	62.9	12.7
30°-40°	62.5	12.6
40°-50°	64.9	13.1
50°-60°	62.4	12.6
60°-70°	52.2	10.5
70°-80°	38.5	7.8
80°-90°	26.1	5.3
90°-100°	15.1	3.0
100°-110°	3.1	0.6
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°	170.8	34.5
0°-40°	233.3	47.1
0°-60°	360.7	72.8
0°-90°	477.5	96.3
90°-120°	18.3	3.7
90°-150°	18.3	3.7
90°-180°	18.0	3.6
0°-180°	495.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	428	
5°	424	39
15°	234	69
25°	136	63
35°	99	63
45°	84	65
55°	70	62
65°	53	52
75°	36	39
85°	24	21
90°	19	10
95°	14	10
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	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	428.4
2.5°	427.8
5°	423.5
7.5°	413.9
10°	386.6
12.5°	312.2
15°	233.5
17.5°	191.8
20°	166.4
22.5°	148.8
25°	135.5
27.5°	124.6
30°	114.4
32.5°	105.3
35°	98.6
37.5°	93.8
40°	90.2
42.5°	87.1
45°	84.1
47.5°	81.1
50°	77.4
52.5°	73.8
55°	69.6
57.5°	66.0
60°	61.7
62.5°	56.9
65°	52.6
67.5°	48.4
70°	44.2
72.5°	39.9
75°	36.3
77.5°	32.7
80°	29.6
82.5°	26.6
85°	23.6
87.5°	21.2
90°	18.8
92.5°	16.9
95°	14.5
97.5°	10.9
100°	7.3
102.5°	4.2
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)