

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: P229121

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229121  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)  
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-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: (1) 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 482.9 lumens  
Efficiency: N/A  
Efficacy: 48.8 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

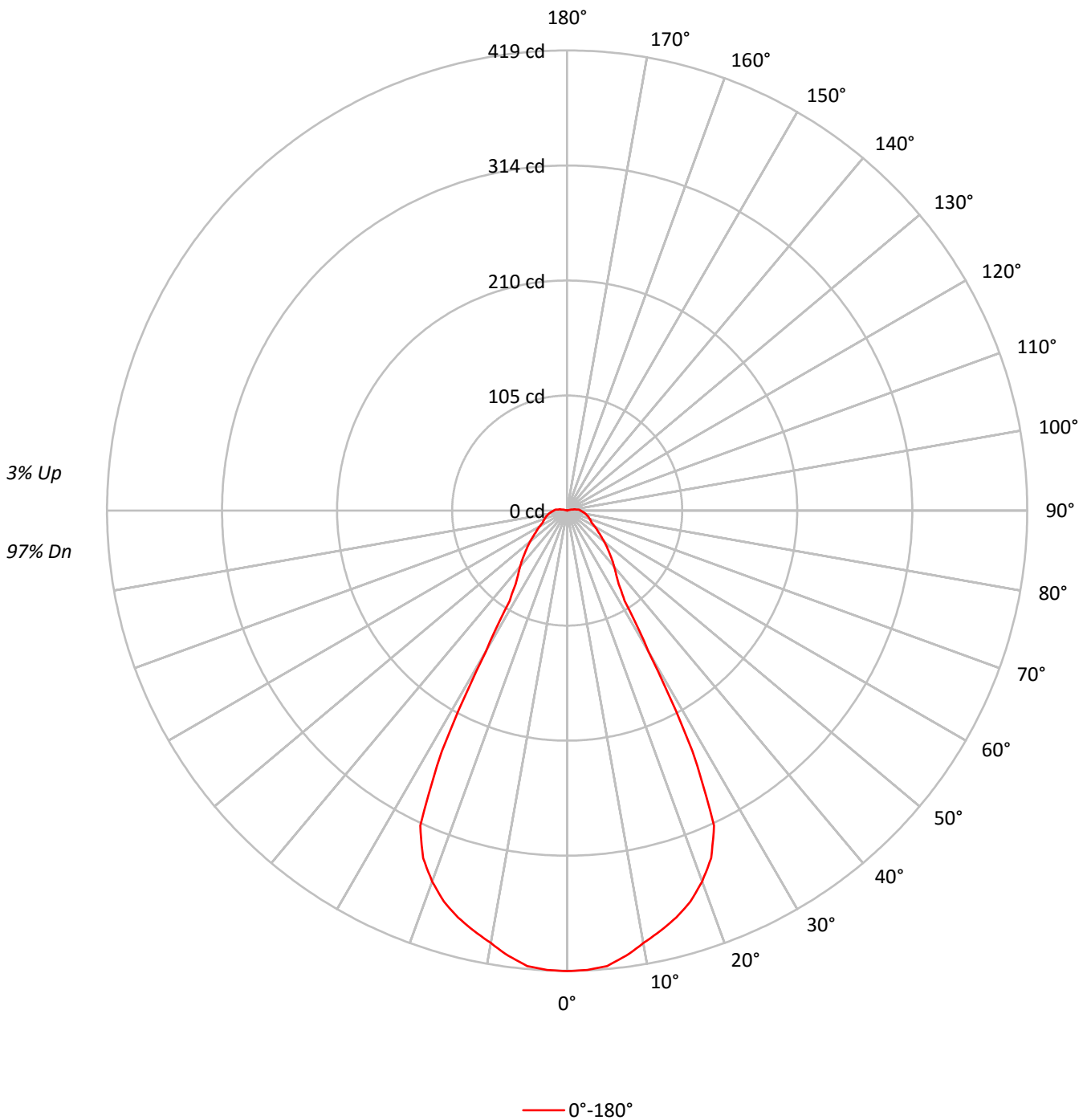
Input Watts (W): 9.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110	104	104	104	99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93	94	92	90	90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82	86	83	80	83	80	78	76
3	96	87	81	76	93	86	80	75	82	77	73	80	75	72	77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56	64	59	55	63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52	60	55	51	59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48	57	52	48	56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45	54	48	45	53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42	51	46	42	50	45	42	40

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

	0°
0°	27355
5°	24364
10°	21368
15°	18989
20°	16690
25°	13937
30°	6254
35°	3333
40°	2649
45°	2131
50°	1712
55°	1357
60°	1128
65°	954
70°	878
75°	805
80°	729
85°	656



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.2	8.1
10°-20°	107.8	22.3
20°-30°	131.4	27.2
30°-40°	55.7	11.5
40°-50°	42.2	8.7
50°-60°	32.0	6.6
60°-70°	24.4	5.1
70°-80°	20.5	4.2
80°-90°	15.8	3.3
90°-100°	10.6	2.2
100°-110°	3.1	0.6
110°-120°	0.2	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°	278.4	57.6
0°-40°	334.0	69.2
0°-60°	408.2	84.5
0°-90°	469.0	97.1
90°-120°	13.9	2.9
90°-150°	13.9	2.9
90°-180°	14.0	2.9
0°-180°	482.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	419	
5°	416	39
15°	384	108
25°	316	131
35°	82	56
45°	54	42
55°	35	32
65°	24	24
75°	19	20
85°	14	12
90°	12	7
95°	10	7
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°	419.3
2.5°	418.7
5°	416.3
7.5°	409.0
10°	399.9
12.5°	392.1
15°	383.6
17.5°	373.3
20°	359.4
22.5°	342.5
25°	316.4
27.5°	246.9
30°	148.2
32.5°	97.4
35°	81.7
37.5°	73.2
40°	66.6
42.5°	60.5
45°	54.5
47.5°	49.0
50°	44.2
52.5°	39.3
55°	35.1
57.5°	32.1
60°	29.0
62.5°	26.0
65°	24.2
67.5°	23.0
70°	21.8
72.5°	20.6
75°	19.4
77.5°	18.2
80°	16.9
82.5°	15.7
85°	14.5
87.5°	13.3
90°	12.1
92.5°	11.5
95°	10.3
97.5°	7.9
100°	6.1
102.5°	4.2
105°	2.4
107.5°	1.8
110°	0.6



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.6
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)