

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: P229131

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9050-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229131  
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-15-D010 / 340-EU6B-1020-9050-6LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: (1) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 802.7 lumens  
Efficiency: N/A  
Efficacy: 56.9 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

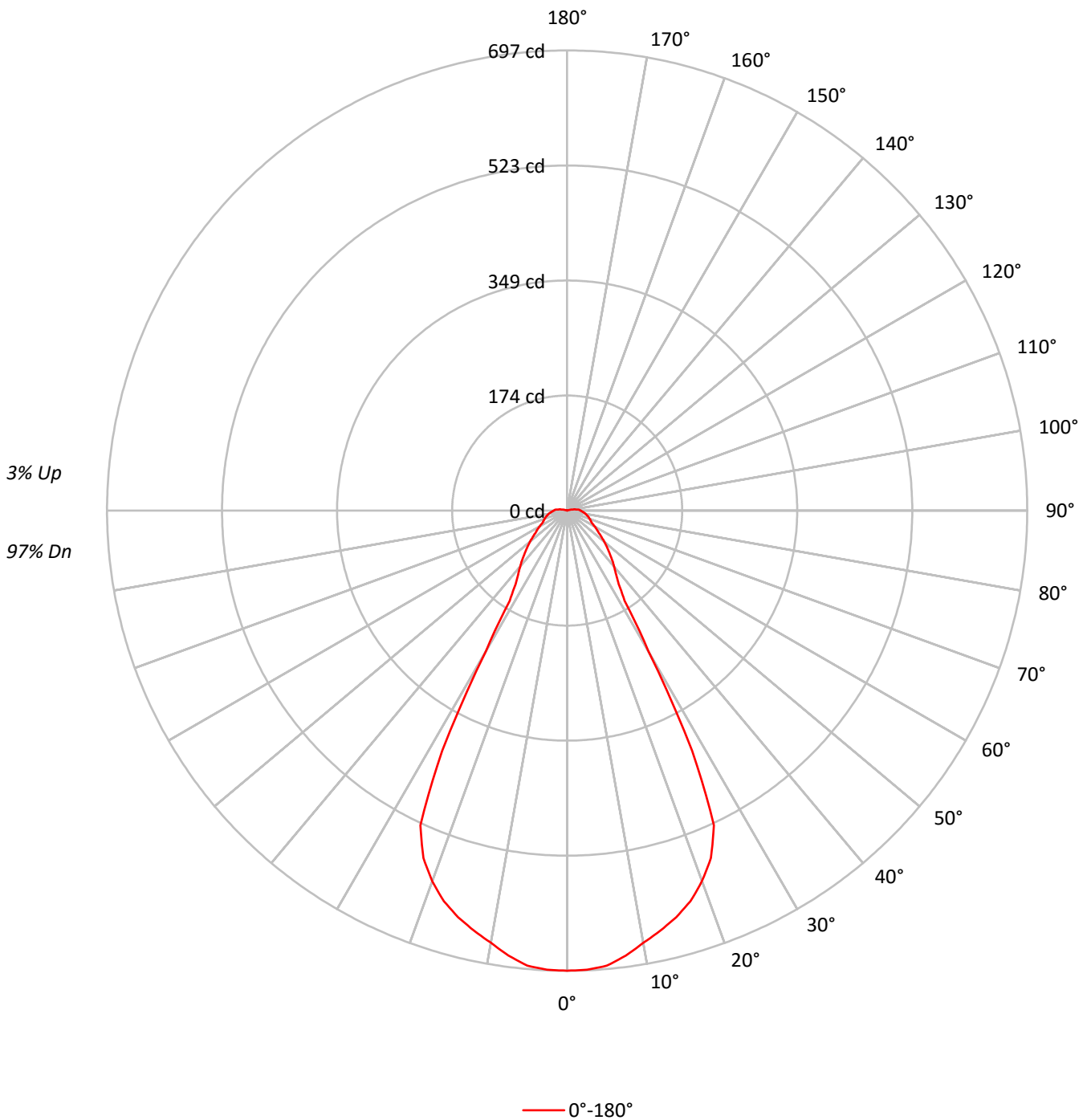
Input Watts (W): 14.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	83	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°	45473
5°	40500
10°	35522
15°	31568
20°	27743
25°	23170
30°	10398
35°	5540
40°	4399
45°	3538
50°	2843
55°	2254
60°	1878
65°	1584
70°	1458
75°	1336
80°	1216
85°	1090



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.1	8.1
10°-20°	179.1	22.3
20°-30°	218.5	27.2
30°-40°	92.5	11.5
40°-50°	70.2	8.7
50°-60°	53.1	6.6
60°-70°	40.6	5.1
70°-80°	34.0	4.2
80°-90°	26.3	3.3
90°-100°	17.6	2.2
100°-110°	5.2	0.6
110°-120°	0.4	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°	462.7	57.6
0°-40°	555.3	69.2
0°-60°	678.6	84.5
0°-90°	779.5	97.1
90°-120°	23.2	2.9
90°-150°	23.2	2.9
90°-180°	23.0	2.9
0°-180°	802.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	697	
5°	692	65
15°	638	179
25°	526	218
35°	136	93
45°	90	70
55°	58	53
65°	40	41
75°	32	34
85°	24	21
90°	20	11
95°	17	12
105°	4	5
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°	697.0
2.5°	696.0
5°	692.0
7.5°	679.9
10°	664.8
12.5°	651.7
15°	637.7
17.5°	620.6
20°	597.4
22.5°	569.3
25°	526.0
27.5°	410.4
30°	246.4
32.5°	161.9
35°	135.8
37.5°	121.7
40°	110.6
42.5°	100.6
45°	90.5
47.5°	81.5
50°	73.4
52.5°	65.4
55°	58.3
57.5°	53.3
60°	48.3
62.5°	43.2
65°	40.2
67.5°	38.2
70°	36.2
72.5°	34.2
75°	32.2
77.5°	30.2
80°	28.2
82.5°	26.2
85°	24.1
87.5°	22.1
90°	20.1
92.5°	19.1
95°	17.1
97.5°	13.1
100°	10.1
102.5°	7.0
105°	4.0
107.5°	3.0
110°	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	1.0
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)