

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: P229127

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9024-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229127  
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-1020-9024-6LBW1LI-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: 665.6 lumens  
Efficiency: N/A  
Efficacy: 47.2 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

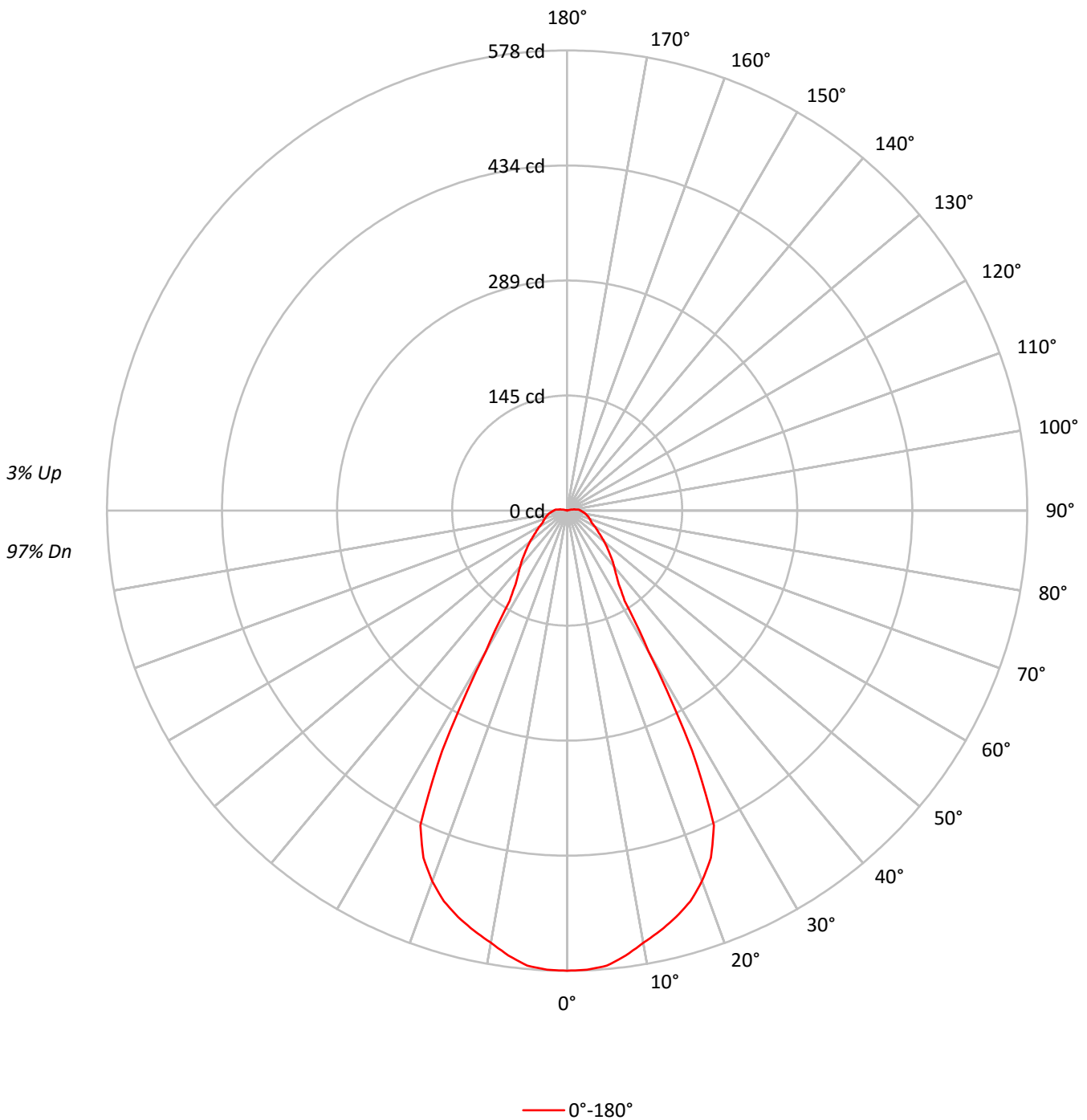
Input Watts (W): 14.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	37709
5°	33582
10°	29458
15°	26172
20°	23006
25°	19214
30°	8621
35°	4593
40°	3647
45°	2936
50°	2358
55°	1871
60°	1555
65°	1316
70°	1208
75°	1108
80°	1009
85°	905



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.0	8.1
10°-20°	148.5	22.3
20°-30°	181.2	27.2
30°-40°	76.7	11.5
40°-50°	58.2	8.7
50°-60°	44.1	6.6
60°-70°	33.7	5.1
70°-80°	28.2	4.2
80°-90°	21.8	3.3
90°-100°	14.6	2.2
100°-110°	4.3	0.6
110°-120°	0.3	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°	383.7	57.6
0°-40°	460.4	69.2
0°-60°	562.7	84.5
0°-90°	646.4	97.1
90°-120°	19.2	2.9
90°-150°	19.2	2.9
90°-180°	19.0	2.9
0°-180°	665.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	578	
5°	574	54
15°	529	149
25°	436	181
35°	113	77
45°	75	58
55°	48	44
65°	33	34
75°	27	28
85°	20	17
90°	17	9
95°	14	10
105°	3	4
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°	578.0
2.5°	577.1
5°	573.8
7.5°	563.8
10°	551.3
12.5°	540.4
15°	528.7
17.5°	514.6
20°	495.4
22.5°	472.0
25°	436.2
27.5°	340.3
30°	204.3
32.5°	134.3
35°	112.6
37.5°	100.9
40°	91.7
42.5°	83.4
45°	75.1
47.5°	67.6
50°	60.9
52.5°	54.2
55°	48.4
57.5°	44.2
60°	40.0
62.5°	35.9
65°	33.4
67.5°	31.7
70°	30.0
72.5°	28.4
75°	26.7
77.5°	25.0
80°	23.4
82.5°	21.7
85°	20.0
87.5°	18.3
90°	16.7
92.5°	15.8
95°	14.2
97.5°	10.8
100°	8.3
102.5°	5.8
105°	3.3
107.5°	2.5
110°	0.8



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.8
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)