

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: P229301

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-16)  
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-GCC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,  
CLEAR OUTSIDE GLASS KIT.  
Light Source: (1) 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 828.1 lumens  
Efficiency: N/A  
Efficacy: 58.7 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.89  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

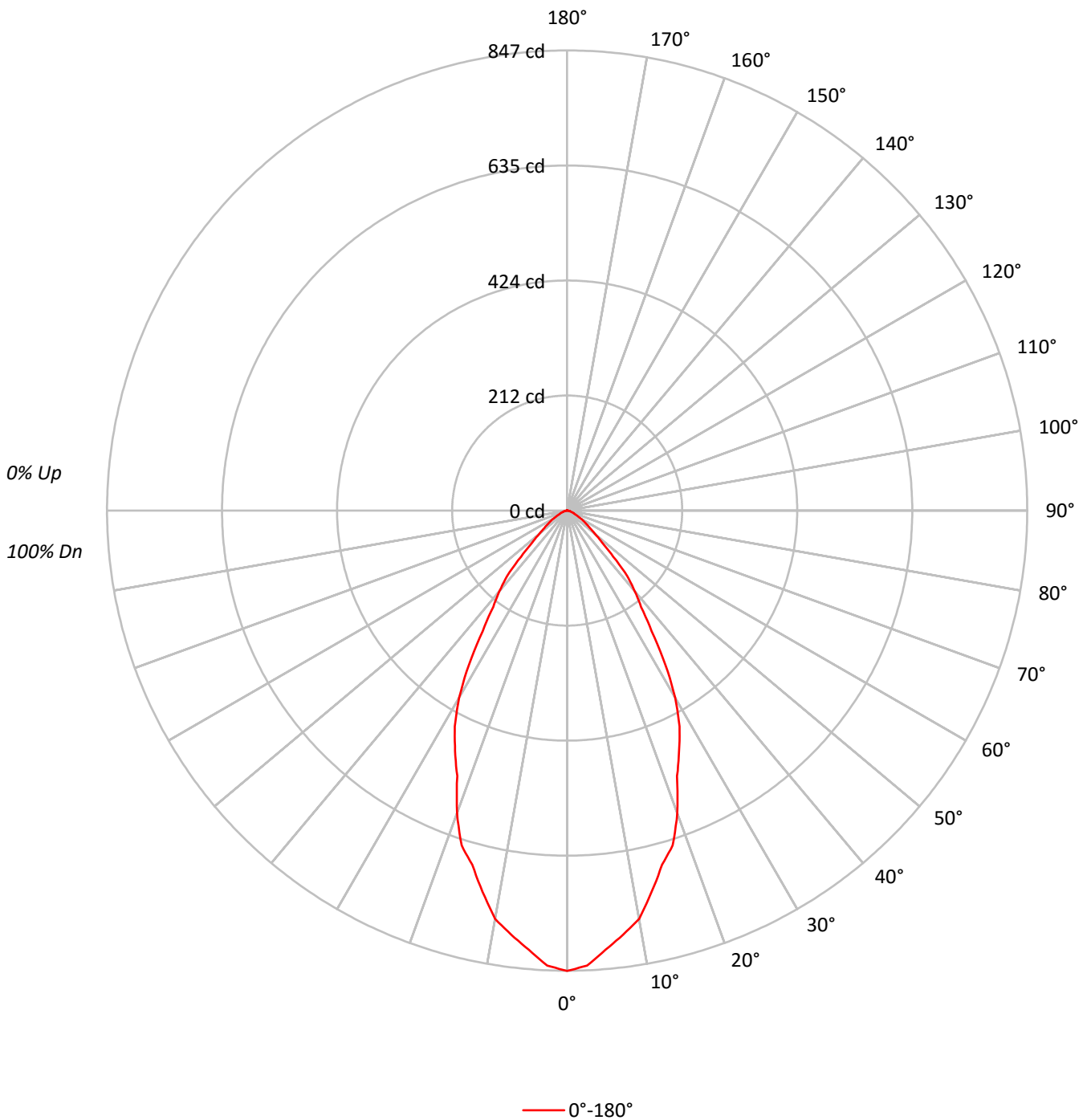
Input Watts (W): 14.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	101	96	92	104	99	95	91	96	92	89	92	90	87	90	87	85	84
3	100	93	87	83	98	91	86	82	88	84	81	86	82	79	84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	71	70
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57	66	60	57	64	60	56	55
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	44

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

	0°
0°	55278
5°	53145
10°	50553
15°	45571
20°	41171
25°	35122
30°	29968
35°	21584
40°	16480
45°	11081
50°	6861
55°	4936
60°	3588
65°	2439
70°	2060
75°	1689
80°	1578
85°	1273



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.0	9.2
10°-20°	190.3	23.0
20°-30°	224.3	27.1
30°-40°	174.4	21.1
40°-50°	95.7	11.6
50°-60°	39.9	4.8
60°-70°	16.8	2.0
70°-80°	7.2	0.9
80°-90°	2.0	0.2
90°-100°	0.9	0.1
100°-110°	0.5	0.1
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°	490.6	59.2
0°-40°	665.0	80.3
0°-60°	800.6	96.7
0°-90°	826.7	99.8
90°-120°	1.4	0.2
90°-150°	1.4	0.2
90°-180°	1.0	0.1
0°-180°	828.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	847	
5°	812	76
15°	675	190
25°	488	224
35°	271	174
45°	120	96
55°	43	40
65°	16	17
75°	7	7
85°	2	2
90°	1	0
95°	1	1
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°	847.3
2.5°	838.2
5°	811.5
7.5°	787.3
10°	763.1
12.5°	718.9
15°	674.7
17.5°	646.3
20°	593.0
22.5°	528.7
25°	487.9
27.5°	447.9
30°	397.8
32.5°	336.9
35°	271.0
37.5°	223.5
40°	193.5
42.5°	164.3
45°	120.1
47.5°	86.7
50°	67.6
52.5°	53.4
55°	43.4
57.5°	35.0
60°	27.5
62.5°	20.0
65°	15.8
67.5°	13.3
70°	10.8
72.5°	8.3
75°	6.7
77.5°	5.0
80°	4.2
82.5°	2.5
85°	1.7
87.5°	0.8
90°	0.8
92.5°	0.8
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	0.8
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)