

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: P229294

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-GFC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229294  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-GFC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.  
Light Source: (1) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2520.1 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

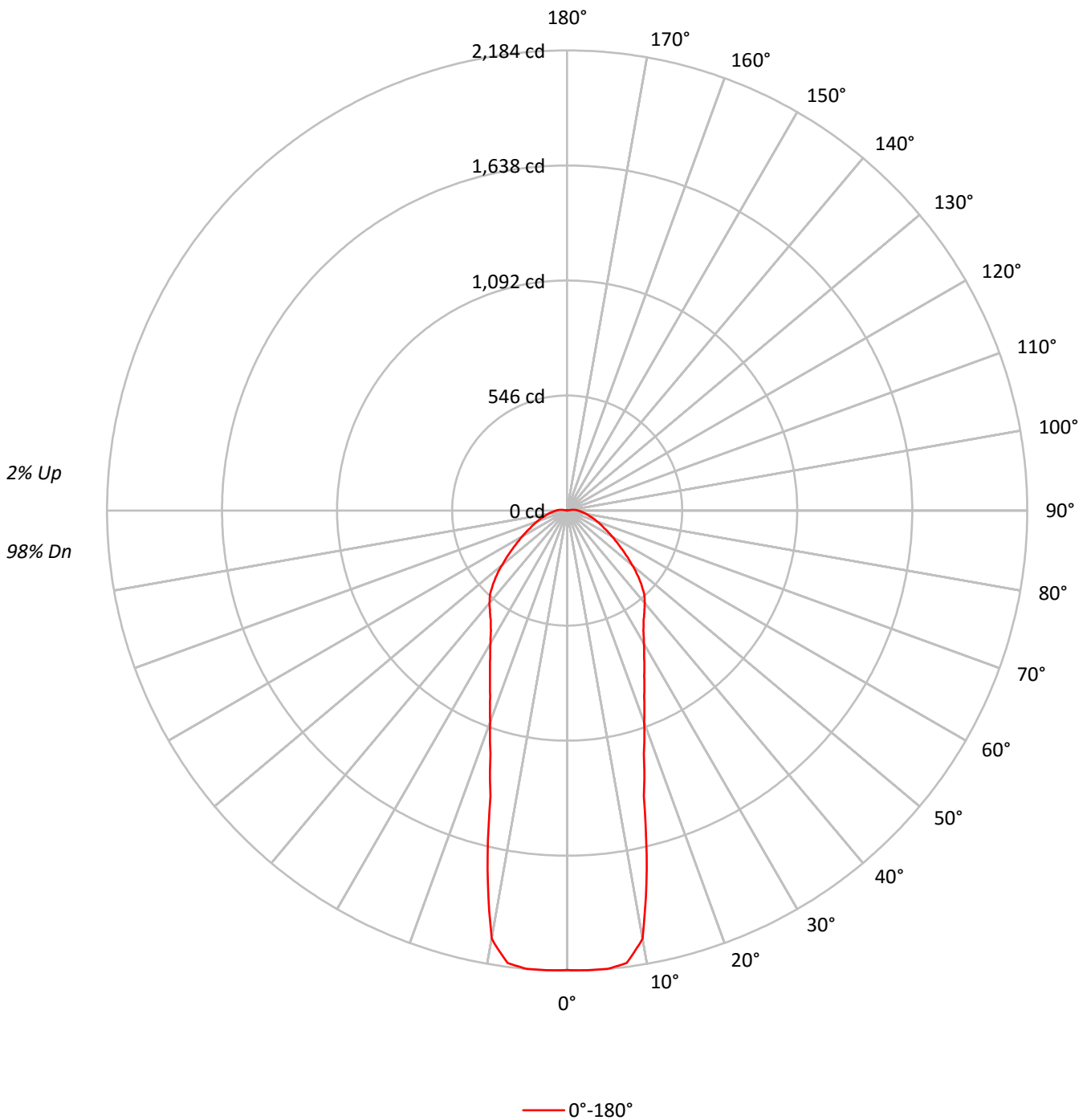
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P229294

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-GFC

### Luminous Intensity Polar Plot





TEST NUMBER: P229294

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-GFC

**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	110	110	110		105	105	105		100	100	100	98
1	109	105	101	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

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

	0°
0°	142283
5°	127803
10°	110254
15°	69511
20°	49639
25°	38124
30°	30716
35°	25835
40°	22799
45°	19496
50°	15649
55°	12185
60°	9585
65°	7568
70°	6117
75°	4875
80°	3954
85°	3113



TEST NUMBER: P229294

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-GFC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.3	8.1
10°-20°	405.3	16.1
20°-30°	401.5	15.9
30°-40°	400.1	15.9
40°-50°	381.9	15.2
50°-60°	285.0	11.3
60°-70°	193.2	7.7
70°-80°	126.0	5.0
80°-90°	76.6	3.0
90°-100°	40.0	1.6
100°-110°	5.4	0.2
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°	1012.2	40.2
0°-40°	1412.2	56.0
0°-60°	2079.1	82.5
0°-90°	2474.8	98.2
90°-120°	45.3	1.8
90°-150°	45.3	1.8
90°-180°	45.0	1.8
0°-180°	2520.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2181	
5°	2184	205
15°	1404	405
25°	866	402
35°	633	400
45°	499	382
55°	315	285
65°	192	193
75°	118	126
85°	69	61
90°	52	29
95°	37	27
105°	3	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



TEST NUMBER: P229294

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-GFC

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2180.9
2.5°	2183.7
5°	2183.7
7.5°	2166.5
10°	2063.4
12.5°	1745.3
15°	1404.2
17.5°	1212.2
20°	1068.9
22.5°	954.3
25°	865.5
27.5°	791.0
30°	727.9
32.5°	673.5
35°	633.3
37.5°	601.8
40°	573.2
42.5°	541.6
45°	498.7
47.5°	452.8
50°	404.1
52.5°	358.2
55°	315.2
57.5°	278.0
60°	246.5
62.5°	217.8
65°	192.0
67.5°	171.9
70°	151.9
72.5°	134.7
75°	117.5
77.5°	103.2
80°	91.7
82.5°	80.2
85°	68.8
87.5°	60.2
90°	51.6
92.5°	45.9
95°	37.3
97.5°	28.7
100°	17.2
102.5°	8.6
105°	2.9
107.5°	0.0
110°	0.0



TEST NUMBER: P229294

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-GFC

**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)