

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: P229236

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229236  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
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-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2454.8 lumens  
Efficiency: N/A  
Efficacy: 58.7 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

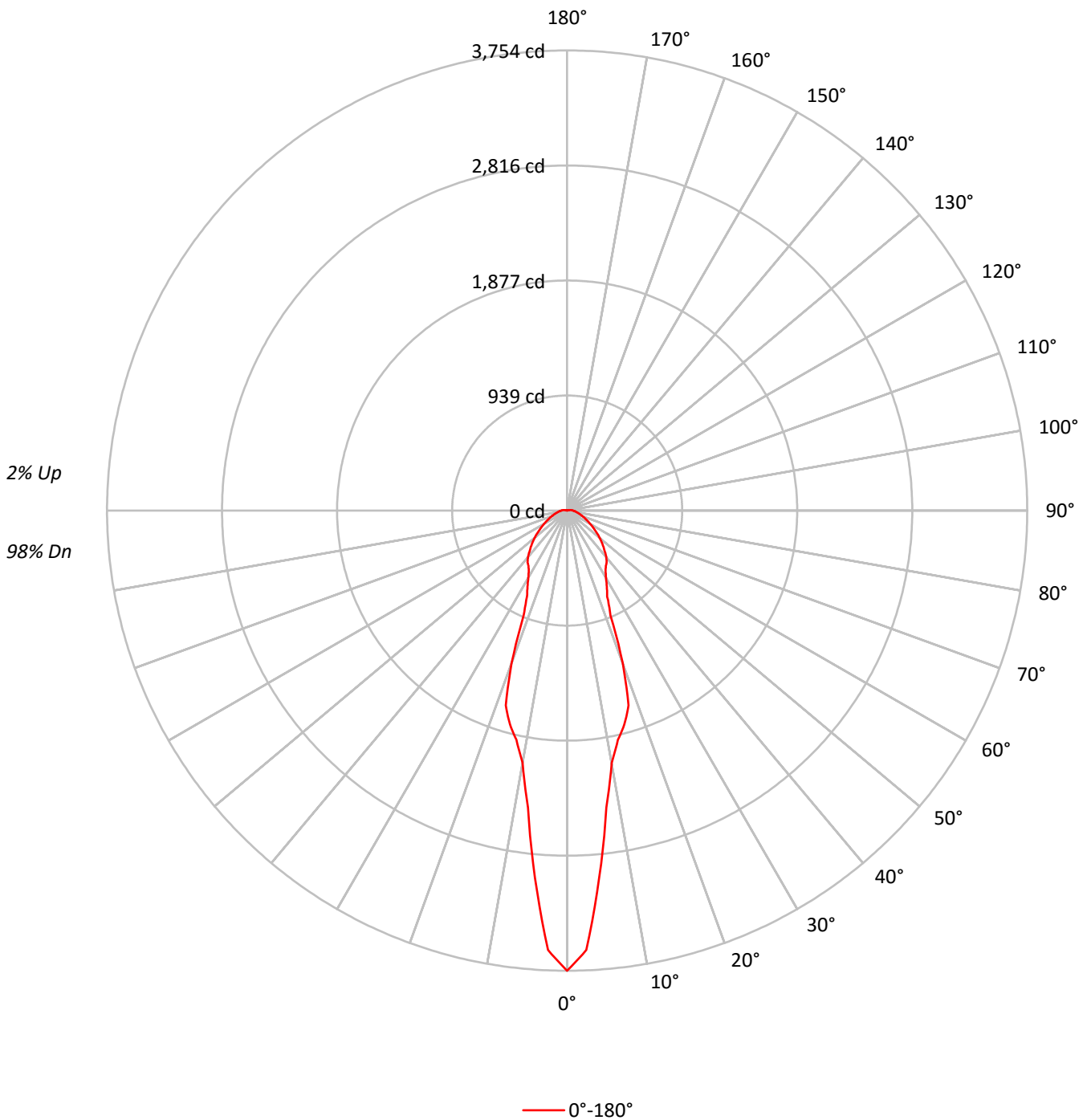
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P229236

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

### Luminous Intensity Polar Plot





TEST NUMBER: P229236

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

**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	110	105	102	98	107	103	100	97	98	96	93	94	92	90	90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81	85	82	78	82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71	78	73	70	75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63	72	67	62	69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57	66	61	57	64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37

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

	0°
0°	244926
5°	175941
10°	111632
15°	89376
20°	61486
25°	34085
30°	26724
35°	22445
40°	19720
45°	16357
50°	13430
55°	10635
60°	8469
65°	6665
70°	5308
75°	4282
80°	3458
85°	2850



TEST NUMBER: P229236

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.9	10.5
10°-20°	493.1	20.1
20°-30°	382.7	15.6
30°-40°	348.2	14.2
40°-50°	323.0	13.2
50°-60°	248.6	10.1
60°-70°	170.2	6.9
70°-80°	110.5	4.5
80°-90°	68.7	2.8
90°-100°	39.9	1.6
100°-110°	12.6	0.5
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°	1132.7	46.1
0°-40°	1480.9	60.3
0°-60°	2052.6	83.6
0°-90°	2401.9	97.8
90°-120°	52.9	2.2
90°-150°	52.9	2.2
90°-180°	53.0	2.2
0°-180°	2454.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3754	
5°	3006	257
15°	1806	493
25°	774	383
35°	550	348
45°	418	323
55°	275	249
65°	169	170
75°	103	110
85°	63	55
90°	46	26
95°	37	28
105°	12	13
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: P229236

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

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3754.2
2.5°	3588.0
5°	3006.2
7.5°	2444.5
10°	2089.2
12.5°	1914.4
15°	1805.5
17.5°	1665.0
20°	1324.0
22.5°	925.7
25°	773.8
27.5°	699.3
30°	633.3
32.5°	581.8
35°	550.2
37.5°	530.2
40°	495.8
42.5°	455.7
45°	418.4
47.5°	381.2
50°	346.8
52.5°	309.5
55°	275.1
57.5°	246.5
60°	217.8
62.5°	192.0
65°	169.1
67.5°	151.9
70°	131.8
72.5°	117.5
75°	103.2
77.5°	91.7
80°	80.2
82.5°	71.6
85°	63.0
87.5°	54.5
90°	45.9
92.5°	43.0
95°	37.3
97.5°	31.5
100°	22.9
102.5°	17.2
105°	11.5
107.5°	5.7
110°	2.9



TEST NUMBER: P229236

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

**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)