

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: P229232

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9027-6LBW1LI-CQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229232  
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-3040-9027-6LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2313.4 lumens  
Efficiency: N/A  
Efficacy: 55.3 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

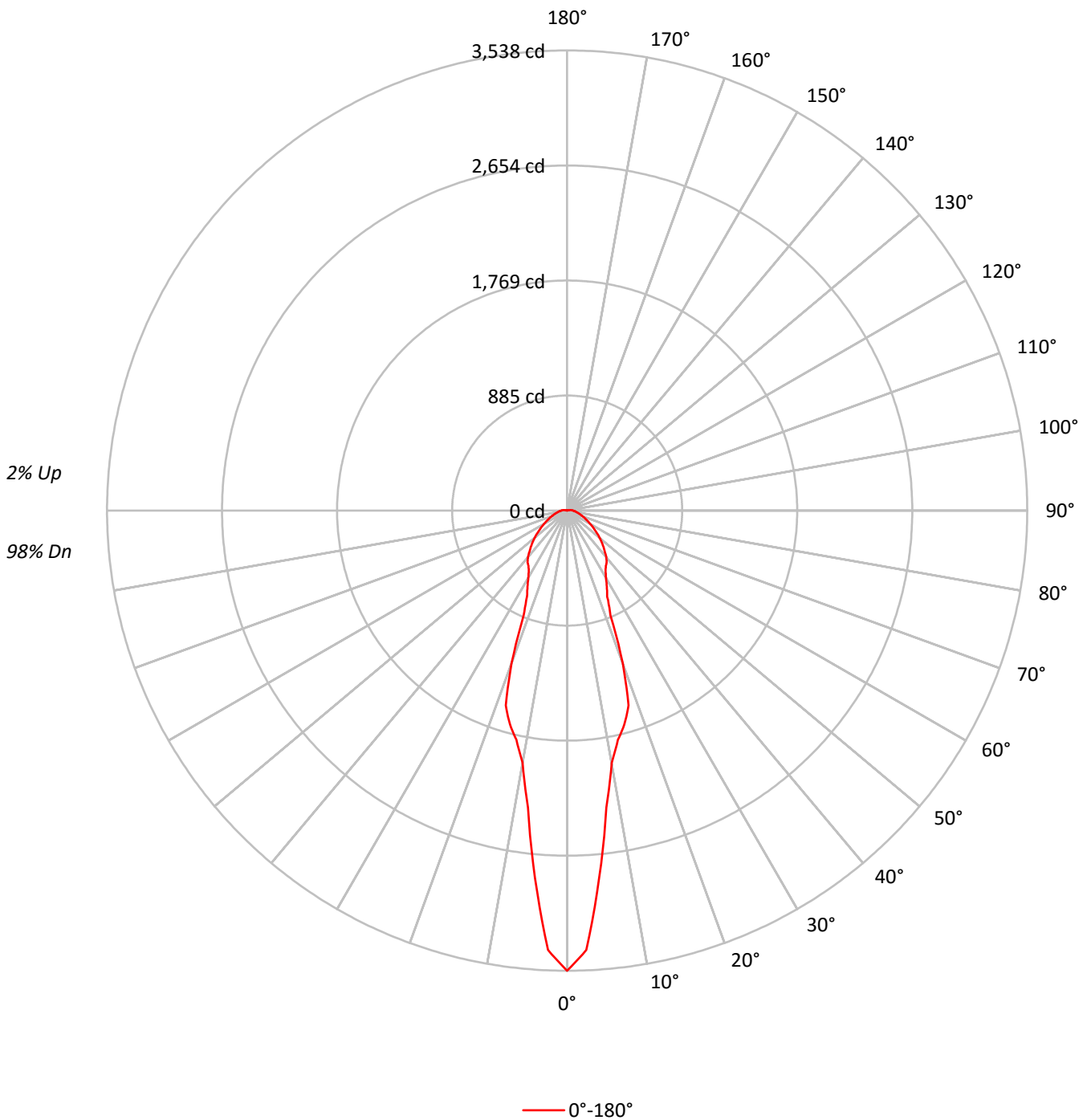
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	230834
5°	165821
10°	105210
15°	84233
20°	57947
25°	32121
30°	25188
35°	21156
40°	18587
45°	15415
50°	12656
55°	10024
60°	7983
65°	6283
70°	5002
75°	4033
80°	3260
85°	2687



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.2	10.5
10°-20°	464.7	20.1
20°-30°	360.7	15.6
30°-40°	328.2	14.2
40°-50°	304.4	13.2
50°-60°	234.3	10.1
60°-70°	160.4	6.9
70°-80°	104.1	4.5
80°-90°	64.8	2.8
90°-100°	37.6	1.6
100°-110°	11.9	0.5
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°	1067.5	46.1
0°-40°	1395.7	60.3
0°-60°	1934.4	83.6
0°-90°	2263.6	97.8
90°-120°	49.8	2.2
90°-150°	49.8	2.2
90°-180°	50.0	2.2
0°-180°	2313.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3538	
5°	2833	242
15°	1702	465
25°	729	361
35°	519	328
45°	394	304
55°	259	234
65°	159	160
75°	97	104
85°	59	52
90°	43	24
95°	35	26
105°	11	12
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°	3538.2
2.5°	3381.5
5°	2833.3
7.5°	2303.9
10°	1969.0
12.5°	1804.2
15°	1701.6
17.5°	1569.2
20°	1247.8
22.5°	872.4
25°	729.2
27.5°	659.0
30°	596.9
32.5°	548.3
35°	518.6
37.5°	499.7
40°	467.3
42.5°	429.4
45°	394.3
47.5°	359.2
50°	326.8
52.5°	291.7
55°	259.3
57.5°	232.3
60°	205.3
62.5°	181.0
65°	159.4
67.5°	143.1
70°	124.2
72.5°	110.7
75°	97.2
77.5°	86.4
80°	75.6
82.5°	67.5
85°	59.4
87.5°	51.3
90°	43.2
92.5°	40.5
95°	35.1
97.5°	29.7
100°	21.6
102.5°	16.2
105°	10.8
107.5°	5.4
110°	2.7



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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)