

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: P229233

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9030-6LBW1LI-CQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229233  
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-3040-9030-6LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2406.1 lumens  
Efficiency: N/A  
Efficacy: 57.6 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

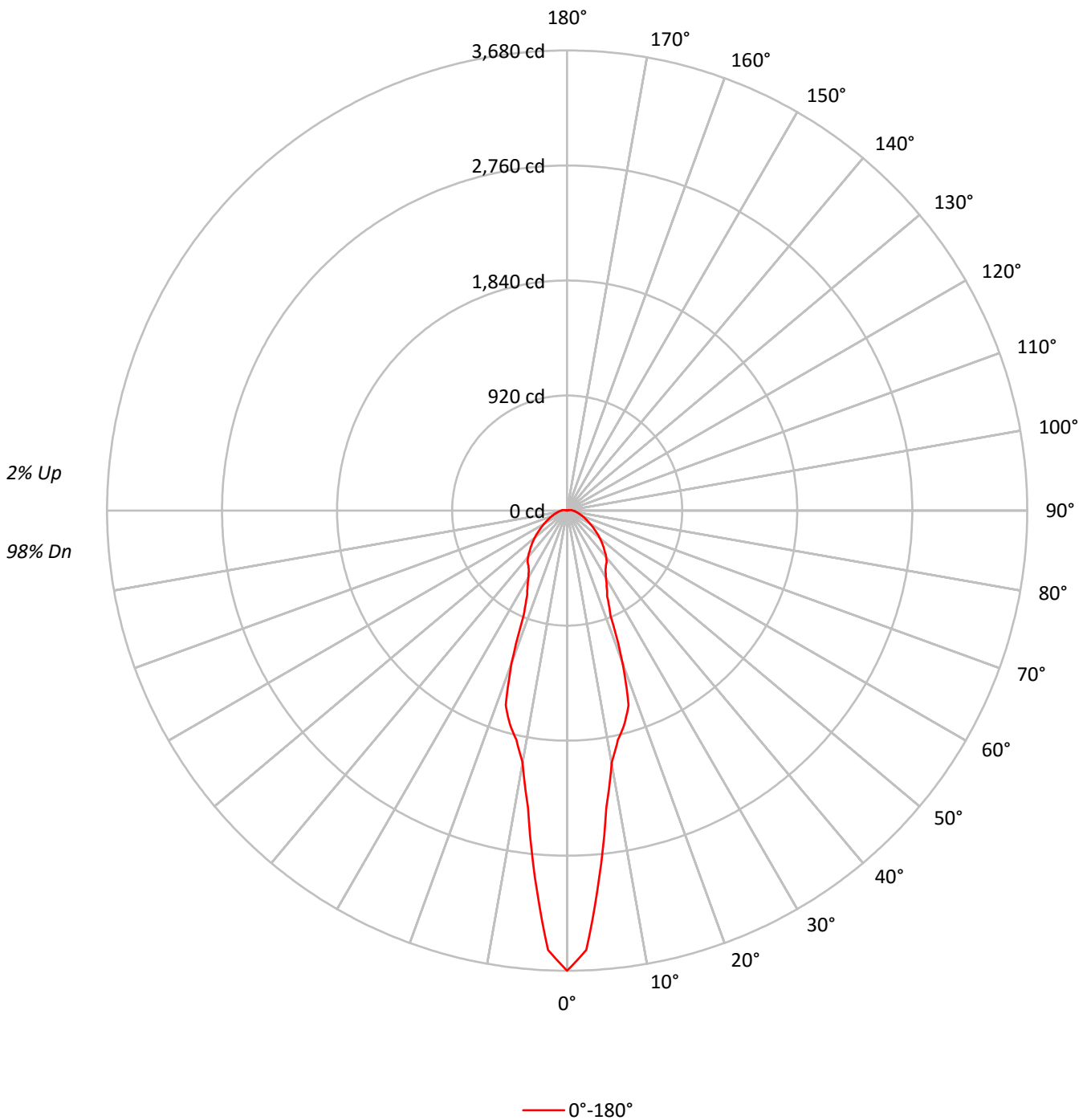
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	240066
5°	172452
10°	109415
15°	87599
20°	60264
25°	33407
30°	26197
35°	22001
40°	19326
45°	16033
50°	13163
55°	10426
60°	8302
65°	6531
70°	5203
75°	4194
80°	3393
85°	2796



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.8	10.5
10°-20°	483.3	20.1
20°-30°	375.1	15.6
30°-40°	341.3	14.2
40°-50°	316.6	13.2
50°-60°	243.7	10.1
60°-70°	166.8	6.9
70°-80°	108.3	4.5
80°-90°	67.4	2.8
90°-100°	39.1	1.6
100°-110°	12.3	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°	1110.2	46.1
0°-40°	1451.5	60.3
0°-60°	2011.8	83.6
0°-90°	2354.3	97.8
90°-120°	51.8	2.2
90°-150°	51.8	2.2
90°-180°	52.0	2.2
0°-180°	2406.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3680	
5°	2947	252
15°	1770	483
25°	758	375
35°	539	341
45°	410	317
55°	270	244
65°	166	167
75°	101	108
85°	62	54
90°	45	25
95°	36	27
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°	3679.7
2.5°	3516.8
5°	2946.6
7.5°	2396.0
10°	2047.7
12.5°	1876.4
15°	1769.6
17.5°	1632.0
20°	1297.7
22.5°	907.3
25°	758.4
27.5°	685.4
30°	620.8
32.5°	570.2
35°	539.3
37.5°	519.7
40°	485.9
42.5°	446.6
45°	410.1
47.5°	373.6
50°	339.9
52.5°	303.4
55°	269.7
57.5°	241.6
60°	213.5
62.5°	188.2
65°	165.7
67.5°	148.9
70°	129.2
72.5°	115.2
75°	101.1
77.5°	89.9
80°	78.7
82.5°	70.2
85°	61.8
87.5°	53.4
90°	44.9
92.5°	42.1
95°	36.5
97.5°	30.9
100°	22.5
102.5°	16.9
105°	11.2
107.5°	5.6
110°	2.8



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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)