

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: P229318

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-GCC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229318  
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-40-D010 / 340-EU6B-3040-9024-6LBW1LI-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: 2359.9 lumens  
Efficiency: N/A  
Efficacy: 56.5 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

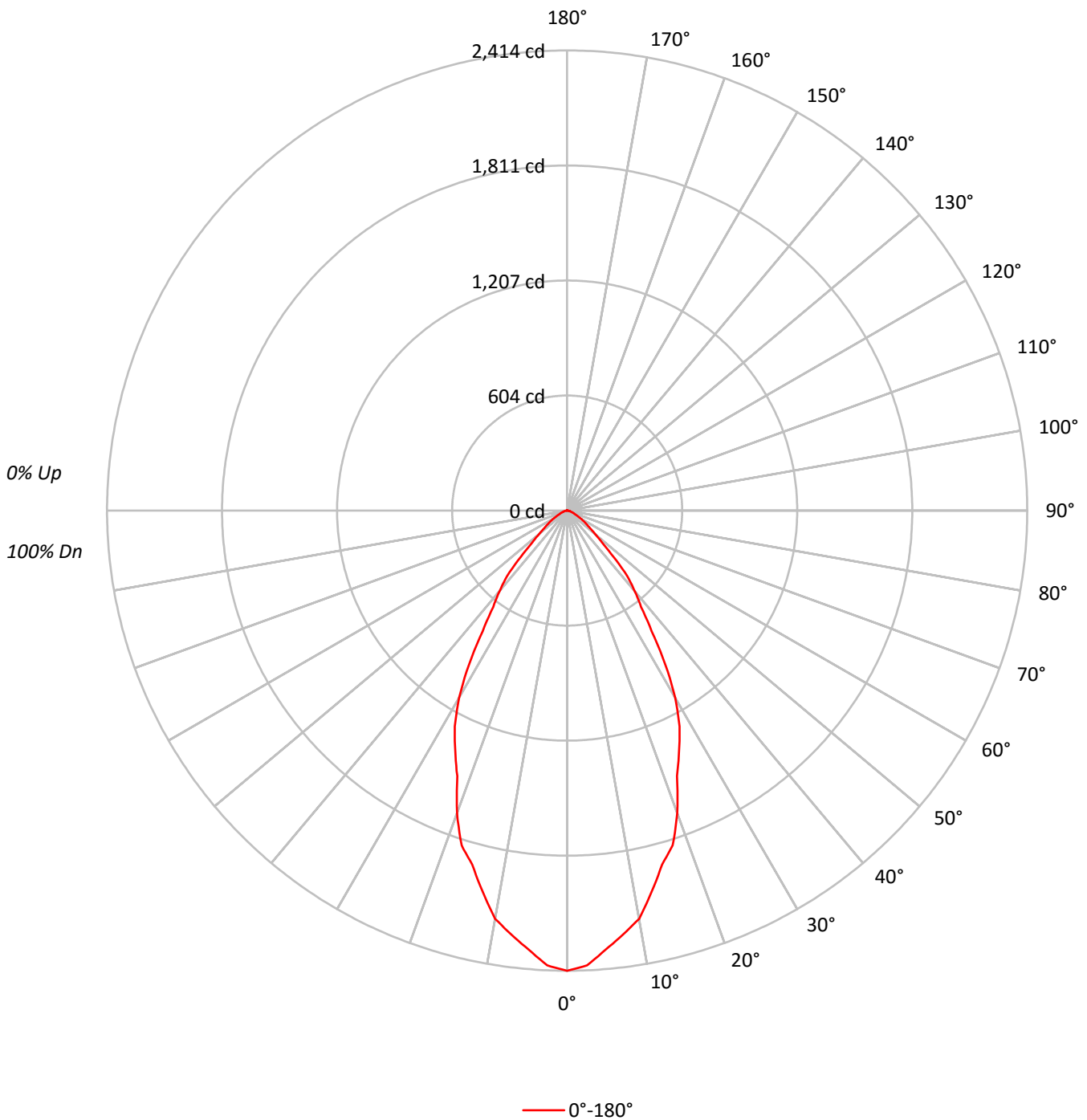
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83
3	100	93	87	83	98	91	86	82	88	84	81	86	82	79	84	81	78	76				76
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70				70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59
7	79	69	62	58	78	68	62	57	67	61	57	66	60	57	64	60	56	55				55
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51				51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48				48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	44				44

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

	0°
0°	157510
5°	151419
10°	144041
15°	129843
20°	117298
25°	100066
30°	85390
35°	61509
40°	46952
45°	31573
50°	19538
55°	14059
60°	10230
65°	6962
70°	5894
75°	4789
80°	4471
85°	3593



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.6	9.2
10°-20°	542.2	23.0
20°-30°	639.2	27.1
30°-40°	496.9	21.1
40°-50°	272.6	11.6
50°-60°	113.7	4.8
60°-70°	48.0	2.0
70°-80°	20.7	0.9
80°-90°	5.8	0.2
90°-100°	2.6	0.1
100°-110°	1.6	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°	1398.0	59.2
0°-40°	1894.9	80.3
0°-60°	2281.1	96.7
0°-90°	2355.7	99.8
90°-120°	4.2	0.2
90°-150°	4.2	0.2
90°-180°	4.0	0.2
0°-180°	2359.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2414	
5°	2312	217
15°	1922	542
25°	1390	639
35°	772	497
45°	342	273
55°	124	114
65°	45	48
75°	19	21
85°	5	5
90°	2	1
95°	2	2
105°	2	2
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°	2414.3
2.5°	2388.2
5°	2312.1
7.5°	2243.2
10°	2174.3
12.5°	2048.4
15°	1922.4
17.5°	1841.6
20°	1689.5
22.5°	1506.6
25°	1390.1
27.5°	1276.1
30°	1133.5
32.5°	960.0
35°	772.3
37.5°	636.8
40°	551.3
42.5°	468.1
45°	342.2
47.5°	247.1
50°	192.5
52.5°	152.1
55°	123.6
57.5°	99.8
60°	78.4
62.5°	57.0
65°	45.1
67.5°	38.0
70°	30.9
72.5°	23.8
75°	19.0
77.5°	14.3
80°	11.9
82.5°	7.1
85°	4.8
87.5°	2.4
90°	2.4
92.5°	2.4
95°	2.4
97.5°	2.4
100°	2.4
102.5°	2.4
105°	2.4
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)