

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: P229264

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9040-6LBW1LI-GFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229264  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)  
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-3040-9040-6LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2338.6 lumens  
Efficiency: N/A  
Efficacy: 55.9 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

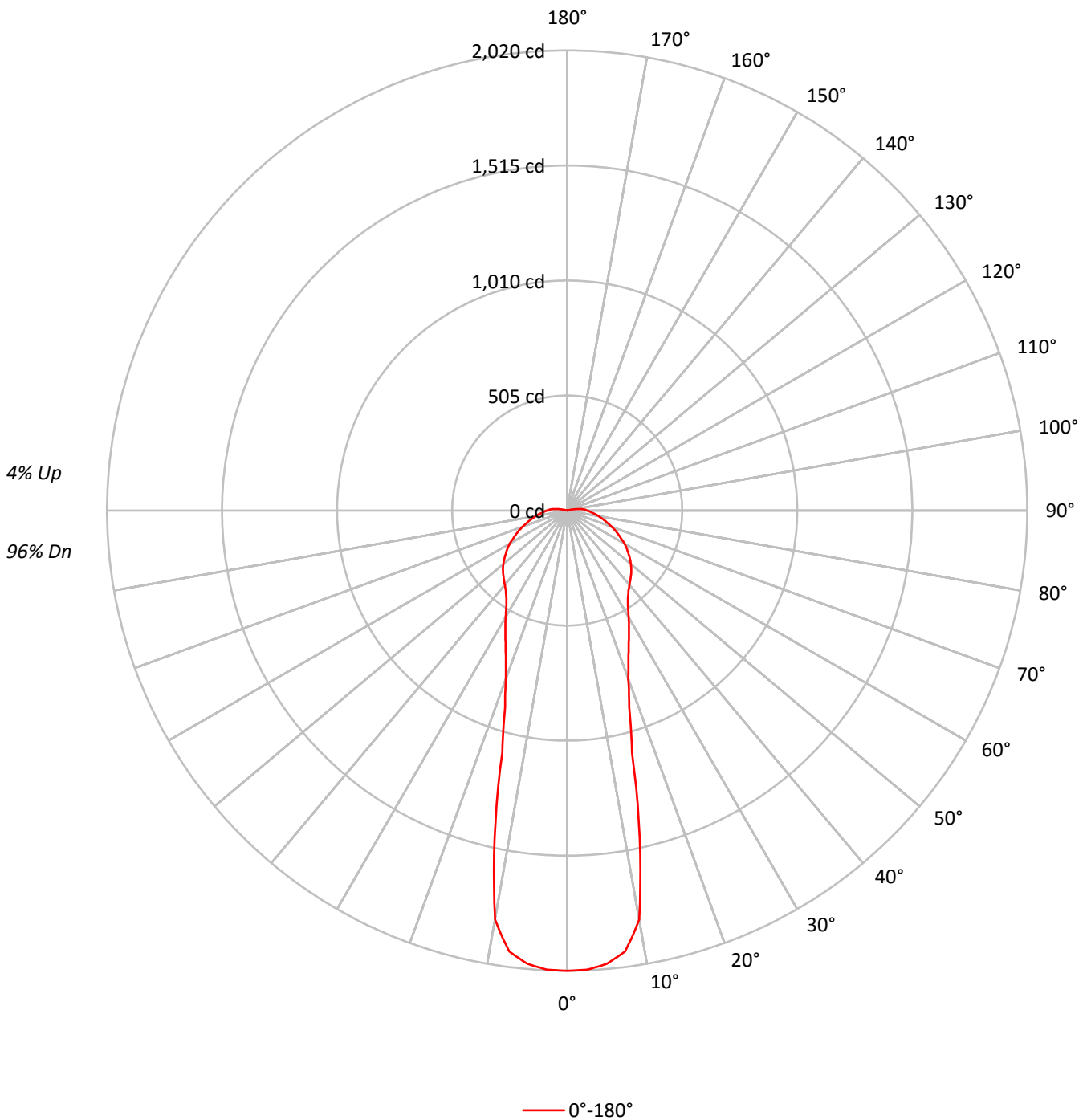
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48	58	52	47	56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	50	43	39	48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36	46	40	36	45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29

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

	0°
0°	131812
5°	116911
10°	97435
15°	54527
20°	36446
25°	28156
30°	22758
35°	18974
40°	16912
45°	15509
50°	14147
55°	12687
60°	11319
65°	9787
70°	8388
75°	7103
80°	6028
85°	5035



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.7	7.9
10°-20°	323.4	13.8
20°-30°	296.6	12.7
30°-40°	294.8	12.6
40°-50°	306.3	13.1
50°-60°	294.4	12.6
60°-70°	246.3	10.5
70°-80°	181.6	7.8
80°-90°	122.9	5.3
90°-100°	71.3	3.0
100°-110°	14.8	0.6
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°	805.7	34.5
0°-40°	1100.5	47.1
0°-60°	1701.3	72.7
0°-90°	2252.1	96.3
90°-120°	86.5	3.7
90°-150°	86.5	3.7
90°-180°	87.0	3.7
0°-180°	2338.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2020	
5°	1998	186
15°	1102	323
25°	639	297
35°	465	295
45°	397	306
55°	328	294
65°	248	246
75°	171	182
85°	111	97
90°	88	49
95°	68	48
105°	11	15
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°	2020.4
2.5°	2017.5
5°	1997.6
7.5°	1951.9
10°	1823.5
12.5°	1472.5
15°	1101.5
17.5°	904.6
20°	784.8
22.5°	702.0
25°	639.2
27.5°	587.9
30°	539.3
32.5°	496.5
35°	465.1
37.5°	442.3
40°	425.2
42.5°	410.9
45°	396.7
47.5°	382.4
50°	365.3
52.5°	348.1
55°	328.2
57.5°	311.0
60°	291.1
62.5°	268.2
65°	248.3
67.5°	228.3
70°	208.3
72.5°	188.3
75°	171.2
77.5°	154.1
80°	139.8
82.5°	125.6
85°	111.3
87.5°	99.9
90°	88.5
92.5°	79.9
95°	68.5
97.5°	51.4
100°	34.2
102.5°	20.0
105°	11.4
107.5°	5.7
110°	2.9



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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)