

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: P229261

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229261  
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-3040-9027-6LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2213.4 lumens  
Efficiency: N/A  
Efficacy: 53.0 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

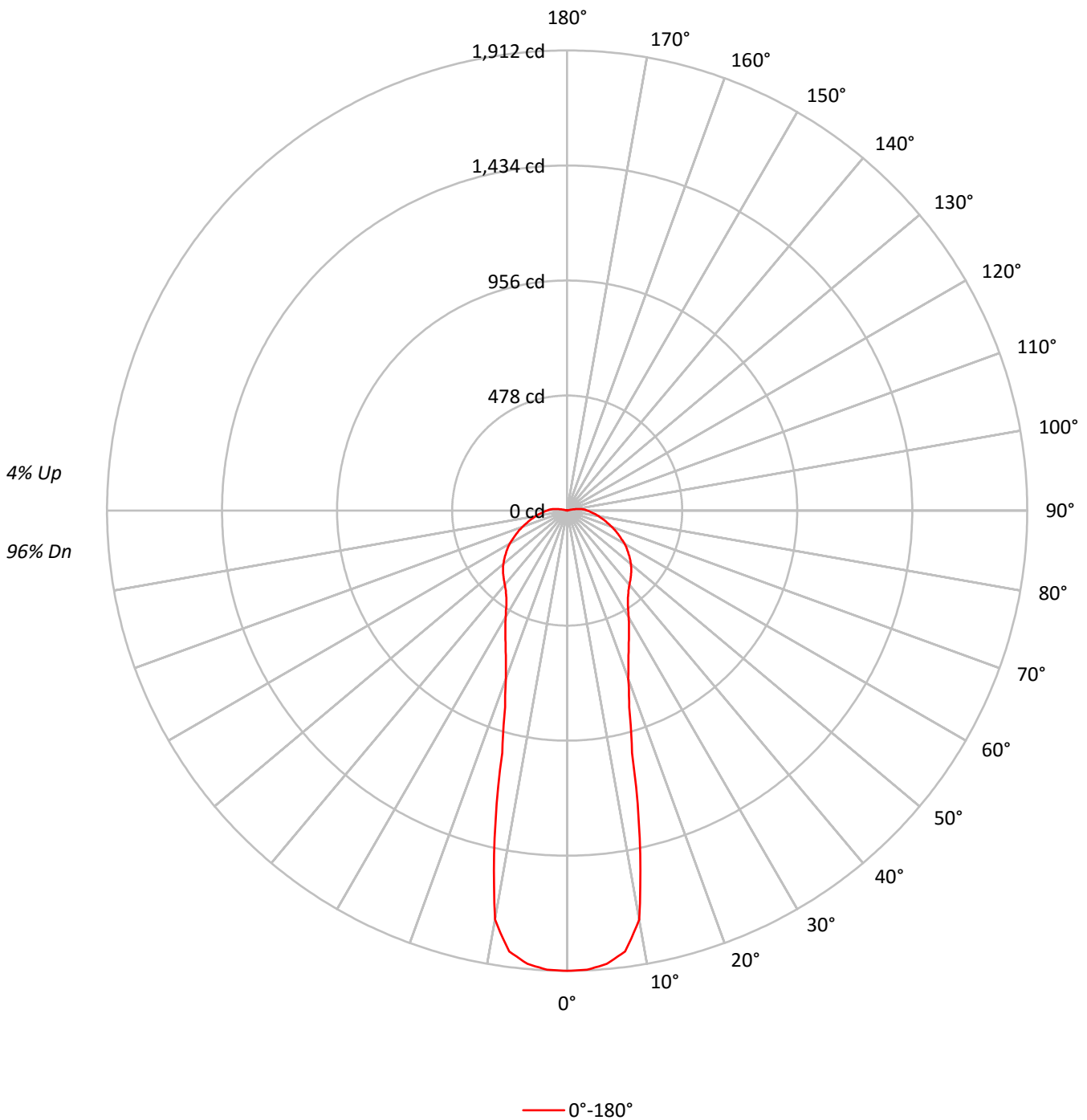
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	124760
5°	110655
10°	92220
15°	51611
20°	34495
25°	26650
30°	21542
35°	17962
40°	16005
45°	14676
50°	13388
55°	12007
60°	10712
65°	9262
70°	7941
75°	6725
80°	5705
85°	4764



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.8	7.9
10°-20°	306.1	13.8
20°-30°	280.7	12.7
30°-40°	279.1	12.6
40°-50°	289.9	13.1
50°-60°	278.7	12.6
60°-70°	233.1	10.5
70°-80°	171.9	7.8
80°-90°	116.3	5.3
90°-100°	67.5	3.0
100°-110°	14.0	0.6
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°	762.6	34.5
0°-40°	1041.7	47.1
0°-60°	1610.2	72.7
0°-90°	2131.6	96.3
90°-120°	81.8	3.7
90°-150°	81.8	3.7
90°-180°	82.0	3.7
0°-180°	2213.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1912	
5°	1891	176
15°	1043	306
25°	605	281
35°	440	279
45°	375	290
55°	311	279
65°	235	233
75°	162	172
85°	105	92
90°	84	46
95°	65	46
105°	11	14
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°	1912.3
2.5°	1909.6
5°	1890.7
7.5°	1847.4
10°	1725.9
12.5°	1393.7
15°	1042.6
17.5°	856.2
20°	742.8
22.5°	664.4
25°	605.0
27.5°	556.4
30°	510.5
32.5°	470.0
35°	440.3
37.5°	418.6
40°	402.4
42.5°	388.9
45°	375.4
47.5°	361.9
50°	345.7
52.5°	329.5
55°	310.6
57.5°	294.4
60°	275.5
62.5°	253.9
65°	235.0
67.5°	216.1
70°	197.2
72.5°	178.3
75°	162.1
77.5°	145.9
80°	132.3
82.5°	118.8
85°	105.3
87.5°	94.5
90°	83.7
92.5°	75.6
95°	64.8
97.5°	48.6
100°	32.4
102.5°	18.9
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)