

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: P229259

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9050-6LBW1LI-GFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229259  
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-30-D010 / 340-EU6B-3040-9050-6LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.  
Light Source: (1) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1661.3 lumens  
Efficiency: N/A  
Efficacy: 59.3 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

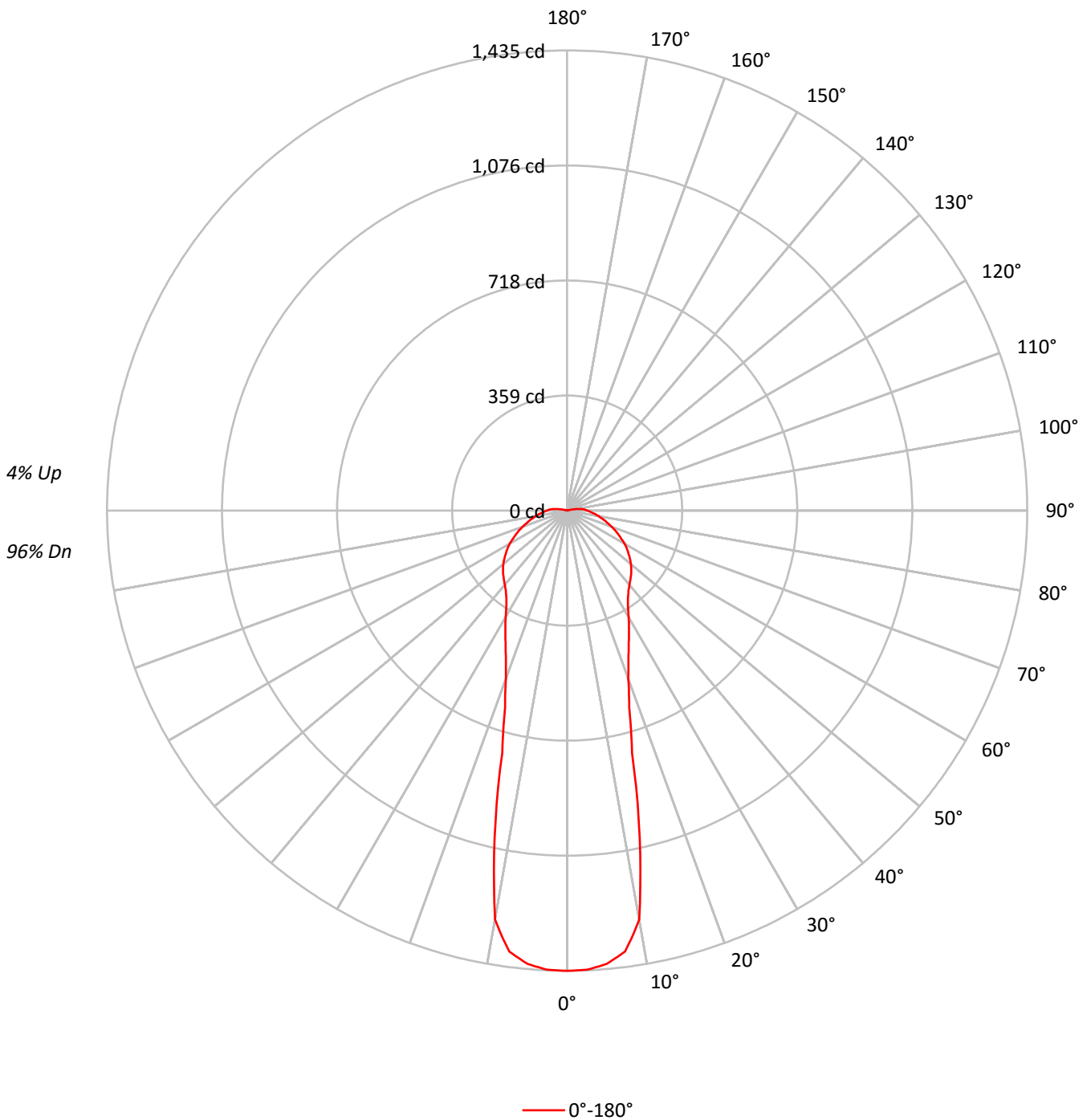
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	93633
5°	83048
10°	69217
15°	38735
20°	25890
25°	20003
30°	16166
35°	13479
40°	12012
45°	11017
50°	10050
55°	9011
60°	8041
65°	6953
70°	5960
75°	5045
80°	4282
85°	3579



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.9	7.9
10°-20°	229.7	13.8
20°-30°	210.7	12.7
30°-40°	209.4	12.6
40°-50°	217.6	13.1
50°-60°	209.2	12.6
60°-70°	175.0	10.5
70°-80°	129.0	7.8
80°-90°	87.3	5.3
90°-100°	50.7	3.0
100°-110°	10.5	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°	572.4	34.5
0°-40°	781.8	47.1
0°-60°	1208.5	72.7
0°-90°	1599.9	96.3
90°-120°	61.5	3.7
90°-150°	61.5	3.7
90°-180°	61.0	3.7
0°-180°	1661.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1435	
5°	1419	132
15°	782	230
25°	454	211
35°	330	209
45°	282	218
55°	233	209
65°	176	175
75°	122	129
85°	79	69
90°	63	35
95°	49	34
105°	8	11
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°	1435.2
2.5°	1433.2
5°	1419.0
7.5°	1386.6
10°	1295.4
12.5°	1046.0
15°	782.5
17.5°	642.6
20°	557.5
22.5°	498.7
25°	454.1
27.5°	417.6
30°	383.1
32.5°	352.7
35°	330.4
37.5°	314.2
40°	302.0
42.5°	291.9
45°	281.8
47.5°	271.6
50°	259.5
52.5°	247.3
55°	233.1
57.5°	221.0
60°	206.8
62.5°	190.6
65°	176.4
67.5°	162.2
70°	148.0
72.5°	133.8
75°	121.6
77.5°	109.5
80°	99.3
82.5°	89.2
85°	79.1
87.5°	71.0
90°	62.8
92.5°	56.8
95°	48.7
97.5°	36.5
100°	24.3
102.5°	14.2
105°	8.1
107.5°	4.1
110°	2.0



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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)