

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: P229200

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9040-6LBW1LI-CF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229200  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)  
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-3040-9040-6LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1750.0 lumens  
Efficiency: N/A  
Efficacy: 62.5 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

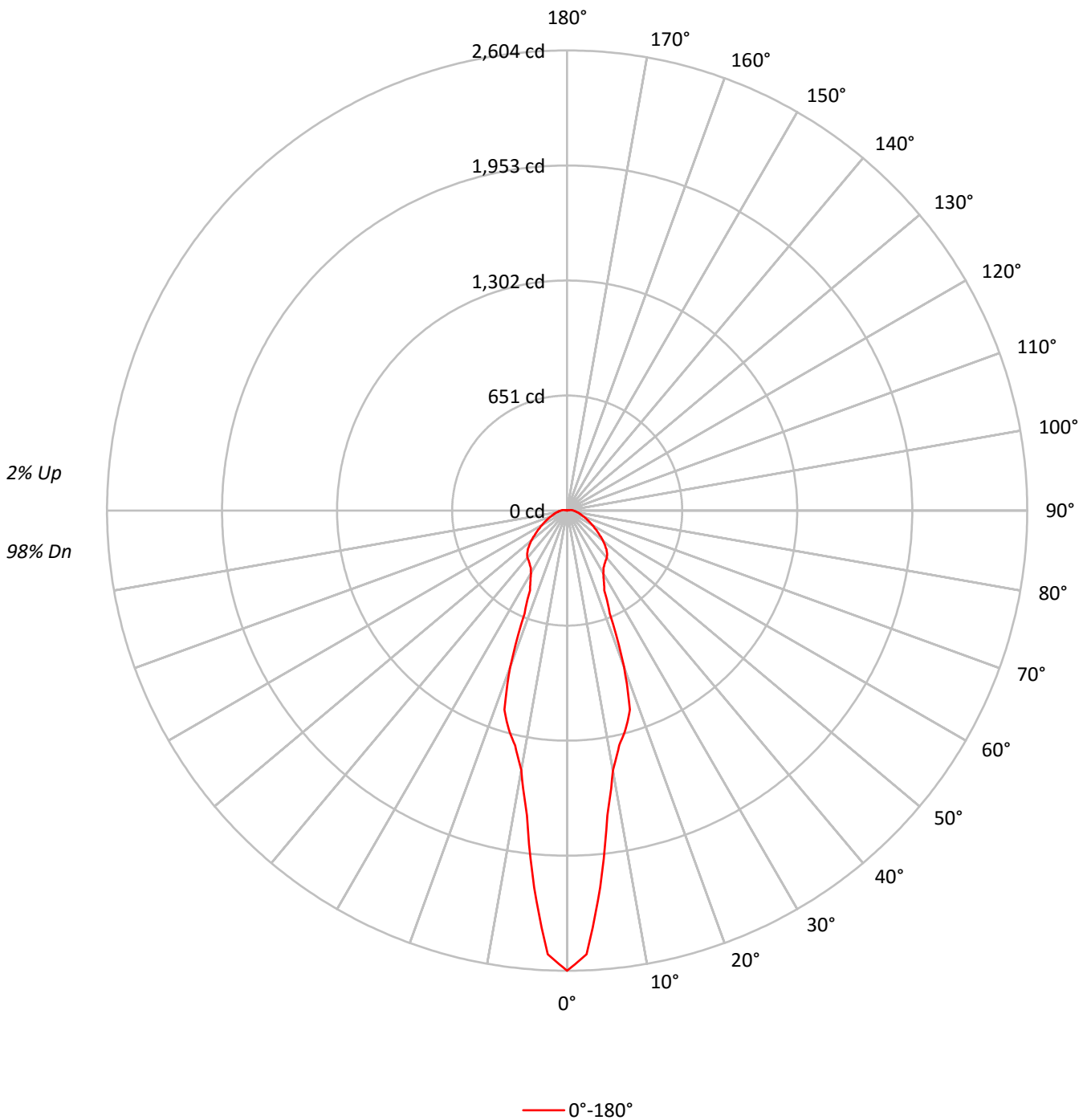
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	109	105	101	98	107	103	99	96	98	95	93		94	92	90		90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80		85	81	78		82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70		77	73	69		75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63		71	66	62		69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56		66	60	56		64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52		61	55	51		59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44		53	48	44		52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41		50	45	41		49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	36

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

	0°
0°	169880
5°	125345
10°	79706
15°	63353
20°	43681
25°	21963
30°	17293
35°	15070
40°	13889
45°	12311
50°	10239
55°	8114
60°	6435
65°	5092
70°	3983
75°	3182
80°	2613
85°	2099



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.3	10.4
10°-20°	350.1	20.0
20°-30°	254.3	14.5
30°-40°	233.3	13.3
40°-50°	240.6	13.7
50°-60°	189.1	10.8
60°-70°	128.5	7.3
70°-80°	82.3	4.7
80°-90°	50.9	2.9
90°-100°	29.5	1.7
100°-110°	8.9	0.5
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°	786.7	45.0
0°-40°	1020.0	58.3
0°-60°	1449.7	82.8
0°-90°	1711.4	97.8
90°-120°	38.6	2.2
90°-150°	38.6	2.2
90°-180°	39.0	2.2
0°-180°	1750.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2604	
5°	2142	182
15°	1280	350
25°	499	254
35°	369	233
45°	315	241
55°	210	189
65°	129	129
75°	77	82
85°	46	41
90°	34	19
95°	28	20
105°	8	9
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°	2603.9
2.5°	2513.1
5°	2141.7
7.5°	1740.0
10°	1491.7
12.5°	1360.5
15°	1279.8
17.5°	1180.8
20°	940.6
22.5°	629.8
25°	498.6
27.5°	448.1
30°	409.8
32.5°	383.5
35°	369.4
37.5°	357.3
40°	349.2
42.5°	335.1
45°	314.9
47.5°	290.7
50°	264.4
52.5°	236.2
55°	209.9
57.5°	185.7
60°	165.5
62.5°	145.3
65°	129.2
67.5°	113.0
70°	98.9
72.5°	86.8
75°	76.7
77.5°	68.6
80°	60.6
82.5°	52.5
85°	46.4
87.5°	40.4
90°	34.3
92.5°	32.3
95°	28.3
97.5°	22.2
100°	16.1
102.5°	12.1
105°	8.1
107.5°	4.0
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)