

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: P229171

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-11)  
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-CC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1851.7 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

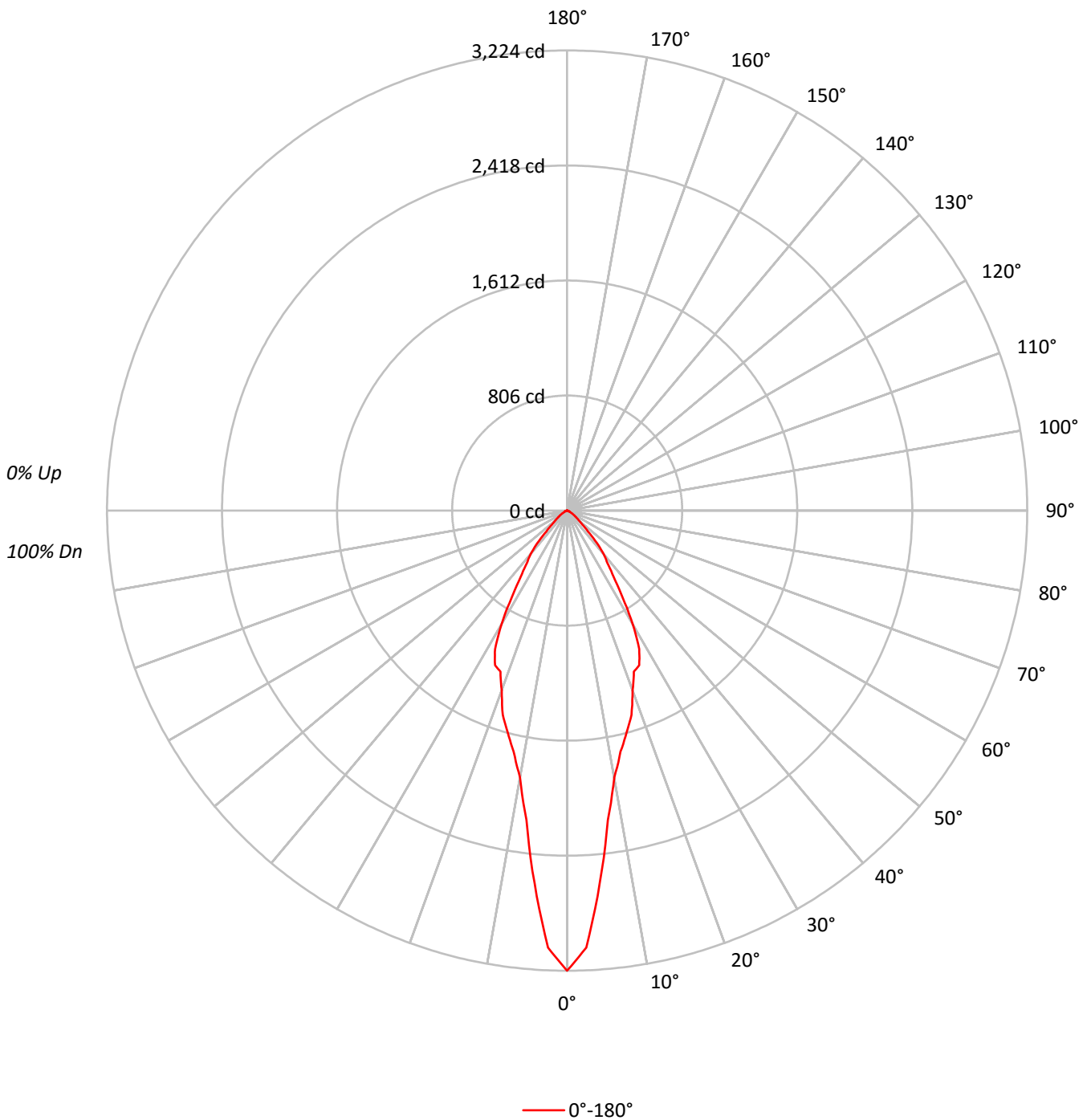
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	111	111		106	106	106		102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	61		68	63	60	59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64	60	56	55
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61	56	53	52
10	70	60	54	50	69	60	54	50	59	54	50		58	53	50		58	53	50	49

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

	0°
0°	210310
5°	171721
10°	125830
15°	108662
20°	93054
25°	86022
30°	69344
35°	45015
40°	34041
45°	18997
50°	11063
55°	7348
60°	5010
65°	3118
70°	2690
75°	2042
80°	1503
85°	1497



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.7	12.2
10°-20°	450.2	24.3
20°-30°	532.2	28.7
30°-40°	372.4	20.1
40°-50°	173.8	9.4
50°-60°	60.3	3.3
60°-70°	22.9	1.2
70°-80°	9.3	0.5
80°-90°	2.2	0.1
90°-100°	1.4	0.1
100°-110°	0.8	0.0
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°	1209.1	65.3
0°-40°	1581.5	85.4
0°-60°	1815.6	98.1
0°-90°	1850.0	99.9
90°-120°	2.2	0.1
90°-150°	2.2	0.1
90°-180°	2.0	0.1
0°-180°	1851.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3224	
5°	2622	227
15°	1609	450
25°	1195	532
35°	565	372
45°	206	174
55°	65	60
65°	20	23
75°	8	9
85°	2	2
90°	0	0
95°	0	1
105°	0	1
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°	3223.6
2.5°	3064.1
5°	2622.1
7.5°	2186.1
10°	1899.4
12.5°	1729.9
15°	1608.8
17.5°	1499.8
20°	1340.3
22.5°	1221.2
25°	1195.0
27.5°	1094.0
30°	920.5
32.5°	724.7
35°	565.2
37.5°	462.2
40°	399.7
42.5°	310.9
45°	205.9
47.5°	143.3
50°	109.0
52.5°	82.8
55°	64.6
57.5°	50.5
60°	38.4
62.5°	28.3
65°	20.2
67.5°	18.2
70°	14.1
72.5°	12.1
75°	8.1
77.5°	6.1
80°	4.0
82.5°	2.0
85°	2.0
87.5°	2.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	2.0
100°	2.0
102.5°	2.0
105°	0.0
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)