

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: P229229

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229229  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
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-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1729.0 lumens  
Efficiency: N/A  
Efficacy: 61.8 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

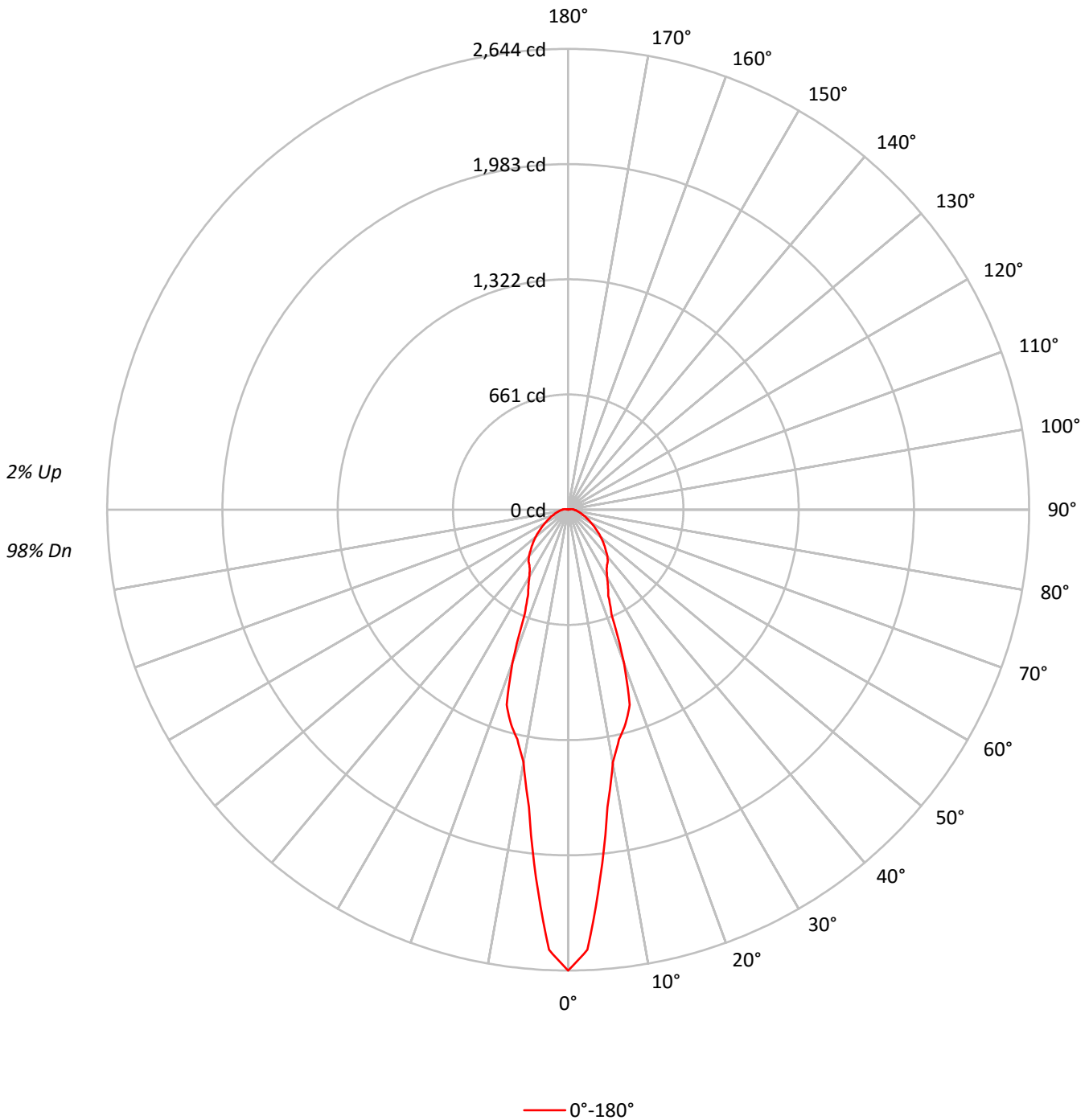
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	97	98	96	93	94	92	90	90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81	85	82	78	82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71	78	73	70	75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63	72	67	62	69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57	66	61	57	64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37

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

	0°
0°	172516
5°	123923
10°	78627
15°	62952
20°	43309
25°	24007
30°	18825
35°	15812
40°	13889
45°	11521
50°	9457
55°	7492
60°	5965
65°	4694
70°	3741
75°	3016
80°	2436
85°	2009



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.0	10.5
10°-20°	347.3	20.1
20°-30°	269.6	15.6
30°-40°	245.3	14.2
40°-50°	227.5	13.2
50°-60°	175.1	10.1
60°-70°	119.8	6.9
70°-80°	77.8	4.5
80°-90°	48.4	2.8
90°-100°	28.1	1.6
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°	797.8	46.1
0°-40°	1043.1	60.3
0°-60°	1445.7	83.6
0°-90°	1691.8	97.8
90°-120°	37.2	2.2
90°-150°	37.2	2.2
90°-180°	37.0	2.1
0°-180°	1729.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2644	
5°	2117	181
15°	1272	347
25°	545	270
35°	388	245
45°	295	228
55°	194	175
65°	119	120
75°	73	78
85°	44	39
90°	32	18
95°	26	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°	2644.3
2.5°	2527.2
5°	2117.4
7.5°	1721.8
10°	1471.5
12.5°	1348.4
15°	1271.7
17.5°	1172.8
20°	932.6
22.5°	652.0
25°	545.0
27.5°	492.5
30°	446.1
32.5°	409.8
35°	387.6
37.5°	373.4
40°	349.2
42.5°	320.9
45°	294.7
47.5°	268.5
50°	244.2
52.5°	218.0
55°	193.8
57.5°	173.6
60°	153.4
62.5°	135.2
65°	119.1
67.5°	107.0
70°	92.9
72.5°	82.8
75°	72.7
77.5°	64.6
80°	56.5
82.5°	50.5
85°	44.4
87.5°	38.4
90°	32.3
92.5°	30.3
95°	26.2
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)