

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: P229225

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9024-6LBW1LI-CQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229225  
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-3040-9024-6LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1439.8 lumens  
Efficiency: N/A  
Efficacy: 51.4 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

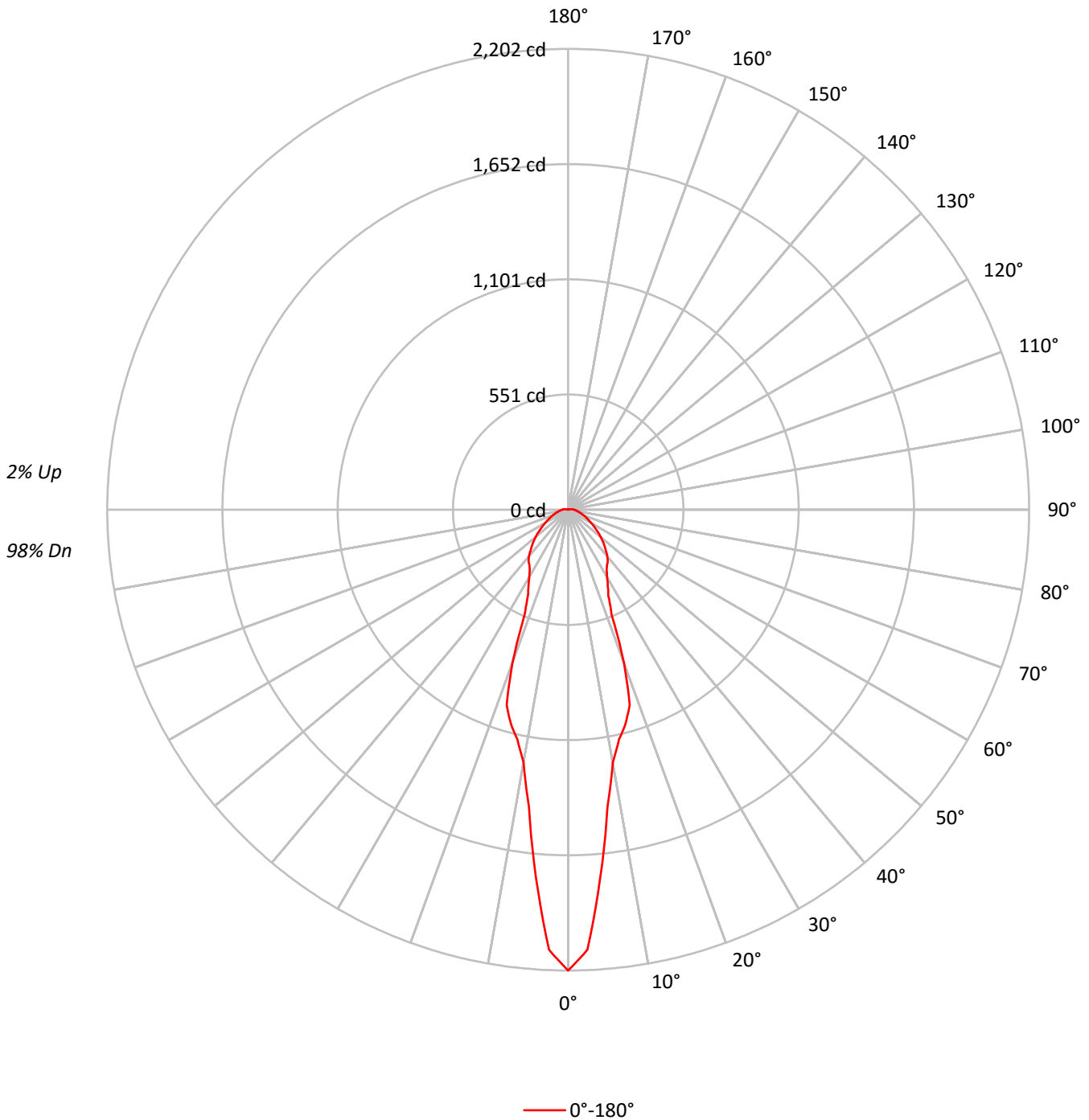
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	143660
5°	103193
10°	65477
15°	52423
20°	36065
25°	19989
30°	15677
35°	13164
40°	11566
45°	9594
50°	7877
55°	6239
60°	4965
65°	3910
70°	3113
75°	2510
80°	2031
85°	1674



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.7	10.5
10°-20°	289.2	20.1
20°-30°	224.5	15.6
30°-40°	204.2	14.2
40°-50°	189.5	13.2
50°-60°	145.8	10.1
60°-70°	99.8	6.9
70°-80°	64.8	4.5
80°-90°	40.3	2.8
90°-100°	23.4	1.6
100°-110°	7.4	0.5
110°-120°	0.2	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°	664.4	46.1
0°-40°	868.6	60.3
0°-60°	1203.9	83.6
0°-90°	1408.8	97.8
90°-120°	31.0	2.2
90°-150°	31.0	2.2
90°-180°	31.0	2.2
0°-180°	1439.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2202	
5°	1763	151
15°	1059	289
25°	454	224
35°	323	204
45°	245	189
55°	161	146
65°	99	100
75°	60	65
85°	37	32
90°	27	15
95°	22	16
105°	7	7
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°	2202.0
2.5°	2104.5
5°	1763.2
7.5°	1433.8
10°	1225.4
12.5°	1122.8
15°	1059.0
17.5°	976.6
20°	776.6
22.5°	542.9
25°	453.8
27.5°	410.1
30°	371.5
32.5°	341.2
35°	322.7
37.5°	311.0
40°	290.8
42.5°	267.3
45°	245.4
47.5°	223.6
50°	203.4
52.5°	181.5
55°	161.4
57.5°	144.6
60°	127.7
62.5°	112.6
65°	99.2
67.5°	89.1
70°	77.3
72.5°	68.9
75°	60.5
77.5°	53.8
80°	47.1
82.5°	42.0
85°	37.0
87.5°	31.9
90°	26.9
92.5°	25.2
95°	21.9
97.5°	18.5
100°	13.4
102.5°	10.1
105°	6.7
107.5°	3.4
110°	1.7



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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)