

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: P229222

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9035-6LBW1LI-CQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229222  
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-20-D010 / 340-EU6B-1020-9035-6LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1190.8 lumens  
Efficiency: N/A  
Efficacy: 57.2 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

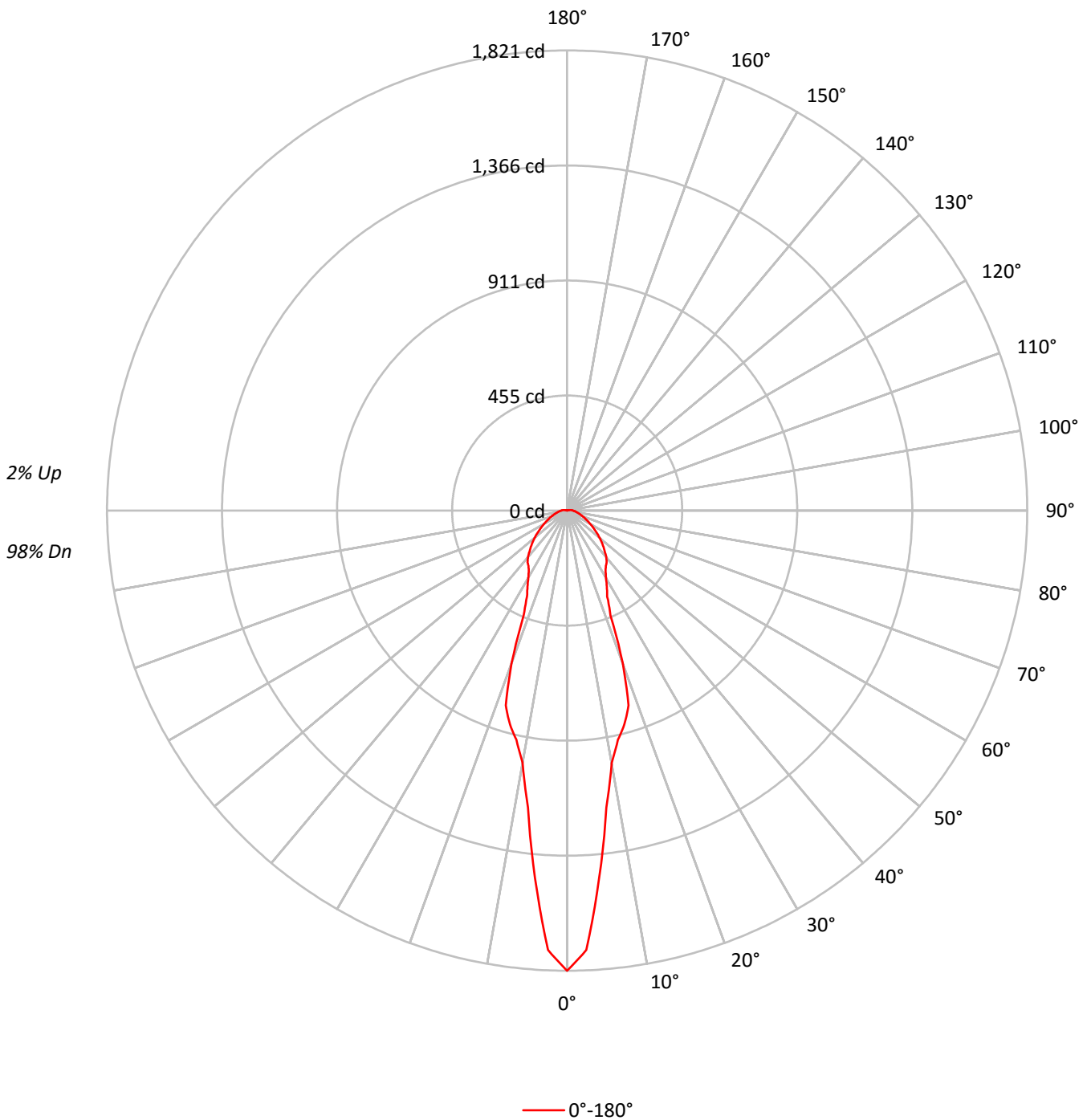
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	118810
5°	85348
10°	54149
15°	43354
20°	29828
25°	16532
30°	12963
35°	10888
40°	9566
45°	7936
50°	6514
55°	5161
60°	4110
65°	3232
70°	2573
75°	2074
80°	1677
85°	1384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.6	10.5
10°-20°	239.2	20.1
20°-30°	185.6	15.6
30°-40°	168.9	14.2
40°-50°	156.7	13.2
50°-60°	120.6	10.1
60°-70°	82.5	6.9
70°-80°	53.6	4.5
80°-90°	33.4	2.8
90°-100°	19.4	1.6
100°-110°	6.1	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°	549.5	46.1
0°-40°	718.4	60.3
0°-60°	995.7	83.6
0°-90°	1165.1	97.8
90°-120°	25.7	2.2
90°-150°	25.7	2.2
90°-180°	26.0	2.2
0°-180°	1190.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1821	
5°	1458	125
15°	876	239
25°	375	186
35°	267	169
45°	203	157
55°	134	121
65°	82	83
75°	50	54
85°	31	27
90°	22	13
95°	18	13
105°	6	6
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°	1821.1
2.5°	1740.5
5°	1458.3
7.5°	1185.8
10°	1013.4
12.5°	928.6
15°	875.8
17.5°	807.7
20°	642.3
22.5°	449.0
25°	375.3
27.5°	339.2
30°	307.2
32.5°	282.2
35°	266.9
37.5°	257.2
40°	240.5
42.5°	221.0
45°	203.0
47.5°	184.9
50°	168.2
52.5°	150.1
55°	133.5
57.5°	119.6
60°	105.7
62.5°	93.1
65°	82.0
67.5°	73.7
70°	63.9
72.5°	57.0
75°	50.0
77.5°	44.5
80°	38.9
82.5°	34.8
85°	30.6
87.5°	26.4
90°	22.2
92.5°	20.9
95°	18.1
97.5°	15.3
100°	11.1
102.5°	8.3
105°	5.6
107.5°	2.8
110°	1.4



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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)