

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: P229215

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9027-6LBW1LI-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229215
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-15-D010 / 340-EU6B-1020-9027-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 811.9 lumens
Efficiency: N/A
Efficacy: 57.6 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

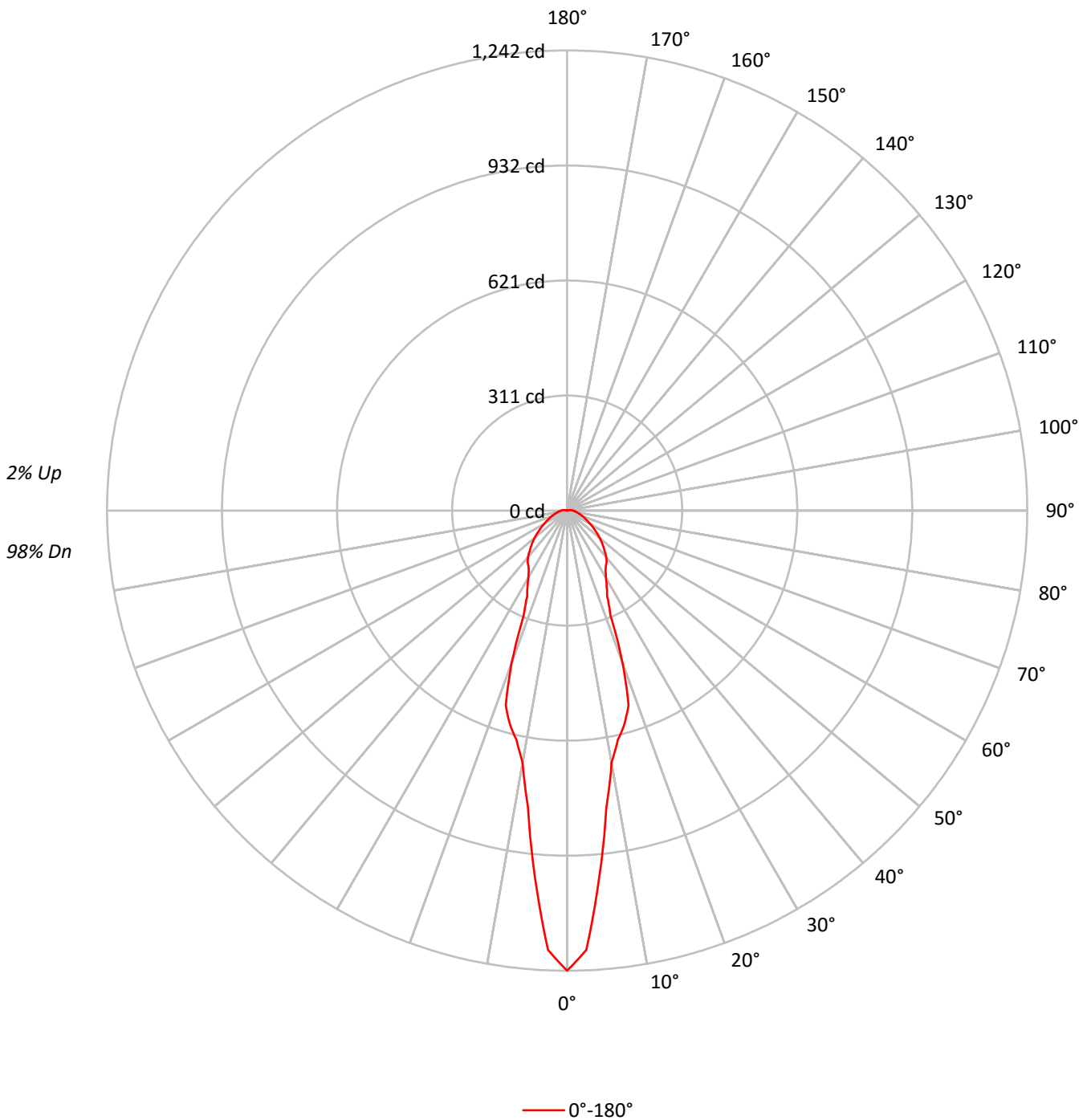
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	81016
5°	58198
10°	36922
15°	29563
20°	20336
25°	11272
30°	8841
35°	7425
40°	6523
45°	5411
50°	4442
55°	3518
60°	2800
65°	2203
70°	1756
75°	1415
80°	1143
85°	946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	10.5
10°-20°	163.1	20.1
20°-30°	126.6	15.6
30°-40°	115.2	14.2
40°-50°	106.8	13.2
50°-60°	82.2	10.1
60°-70°	56.3	6.9
70°-80°	36.5	4.5
80°-90°	22.7	2.8
90°-100°	13.2	1.6
100°-110°	4.2	0.5
110°-120°	0.1	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°	374.7	46.1
0°-40°	489.8	60.3
0°-60°	678.9	83.6
0°-90°	794.4	97.8
90°-120°	17.5	2.2
90°-150°	17.5	2.2
90°-180°	17.0	2.1
0°-180°	811.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1242	
5°	994	85
15°	597	163
25°	256	127
35°	182	115
45°	138	107
55°	91	82
65°	56	56
75°	34	37
85°	21	18
90°	15	9
95°	12	9
105°	4	4
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°	1241.8
2.5°	1186.8
5°	994.4
7.5°	808.6
10°	691.0
12.5°	633.2
15°	597.2
17.5°	550.7
20°	437.9
22.5°	306.2
25°	255.9
27.5°	231.3
30°	209.5
32.5°	192.4
35°	182.0
37.5°	175.4
40°	164.0
42.5°	150.7
45°	138.4
47.5°	126.1
50°	114.7
52.5°	102.4
55°	91.0
57.5°	81.5
60°	72.0
62.5°	63.5
65°	55.9
67.5°	50.2
70°	43.6
72.5°	38.9
75°	34.1
77.5°	30.3
80°	26.5
82.5°	23.7
85°	20.9
87.5°	18.0
90°	15.2
92.5°	14.2
95°	12.3
97.5°	10.4
100°	7.6
102.5°	5.7
105°	3.8
107.5°	1.9
110°	0.9



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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)