

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: P229186

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
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-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 821.8 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

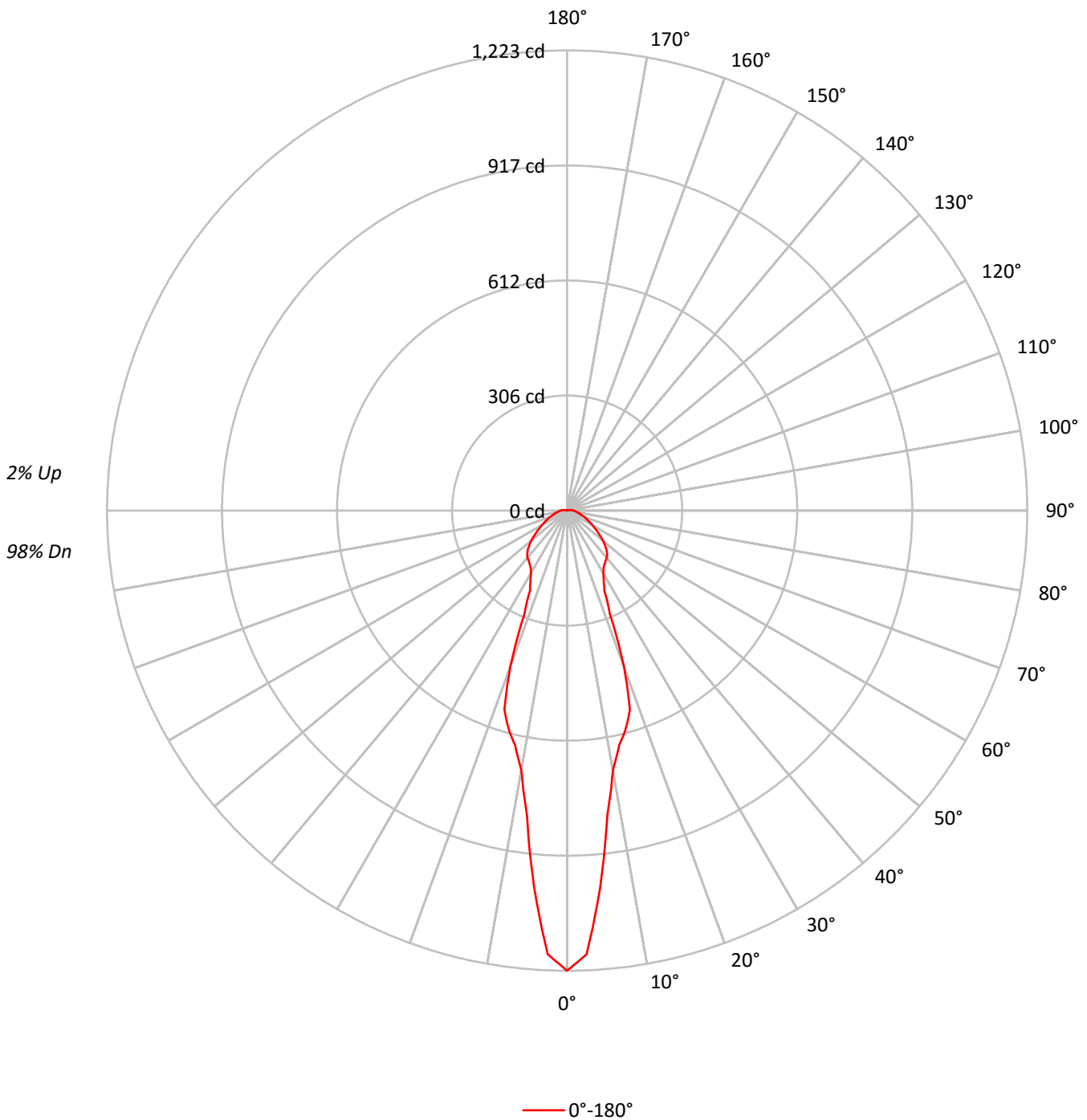
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	98	107	103	99	96	98	95	93	94	92	90	90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70	77	73	69	75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63	71	66	62	69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56	66	60	56	64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44	53	48	44	52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41	50	45	41	49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79776
5°	58859
10°	37430
15°	29751
20°	20512
25°	10312
30°	8119
35°	7078
40°	6523
45°	5782
50°	4810
55°	3812
60°	3021
65°	2392
70°	1869
75°	1494
80°	1225
85°	986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	10.4
10°-20°	164.4	20.0
20°-30°	119.4	14.5
30°-40°	109.5	13.3
40°-50°	113.0	13.8
50°-60°	88.8	10.8
60°-70°	60.4	7.3
70°-80°	38.7	4.7
80°-90°	23.9	2.9
90°-100°	13.9	1.7
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°	369.4	45.0
0°-40°	479.0	58.3
0°-60°	680.8	82.8
0°-90°	803.7	97.8
90°-120°	18.1	2.2
90°-150°	18.1	2.2
90°-180°	18.0	2.2
0°-180°	821.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1223	
5°	1006	86
15°	601	164
25°	234	119
35°	174	110
45°	148	113
55°	99	89
65°	61	60
75°	36	39
85°	22	19
90°	16	9
95°	13	10
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	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1222.8
2.5°	1180.2
5°	1005.7
7.5°	817.1
10°	700.5
12.5°	638.9
15°	601.0
17.5°	554.5
20°	441.7
22.5°	295.8
25°	234.1
27.5°	210.4
30°	192.4
32.5°	180.1
35°	173.5
37.5°	167.8
40°	164.0
42.5°	157.4
45°	147.9
47.5°	136.5
50°	124.2
52.5°	110.9
55°	98.6
57.5°	87.2
60°	77.7
62.5°	68.3
65°	60.7
67.5°	53.1
70°	46.4
72.5°	40.8
75°	36.0
77.5°	32.2
80°	28.4
82.5°	24.6
85°	21.8
87.5°	19.0
90°	16.1
92.5°	15.2
95°	13.3
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)