

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: P229244

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)
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-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 776.8 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

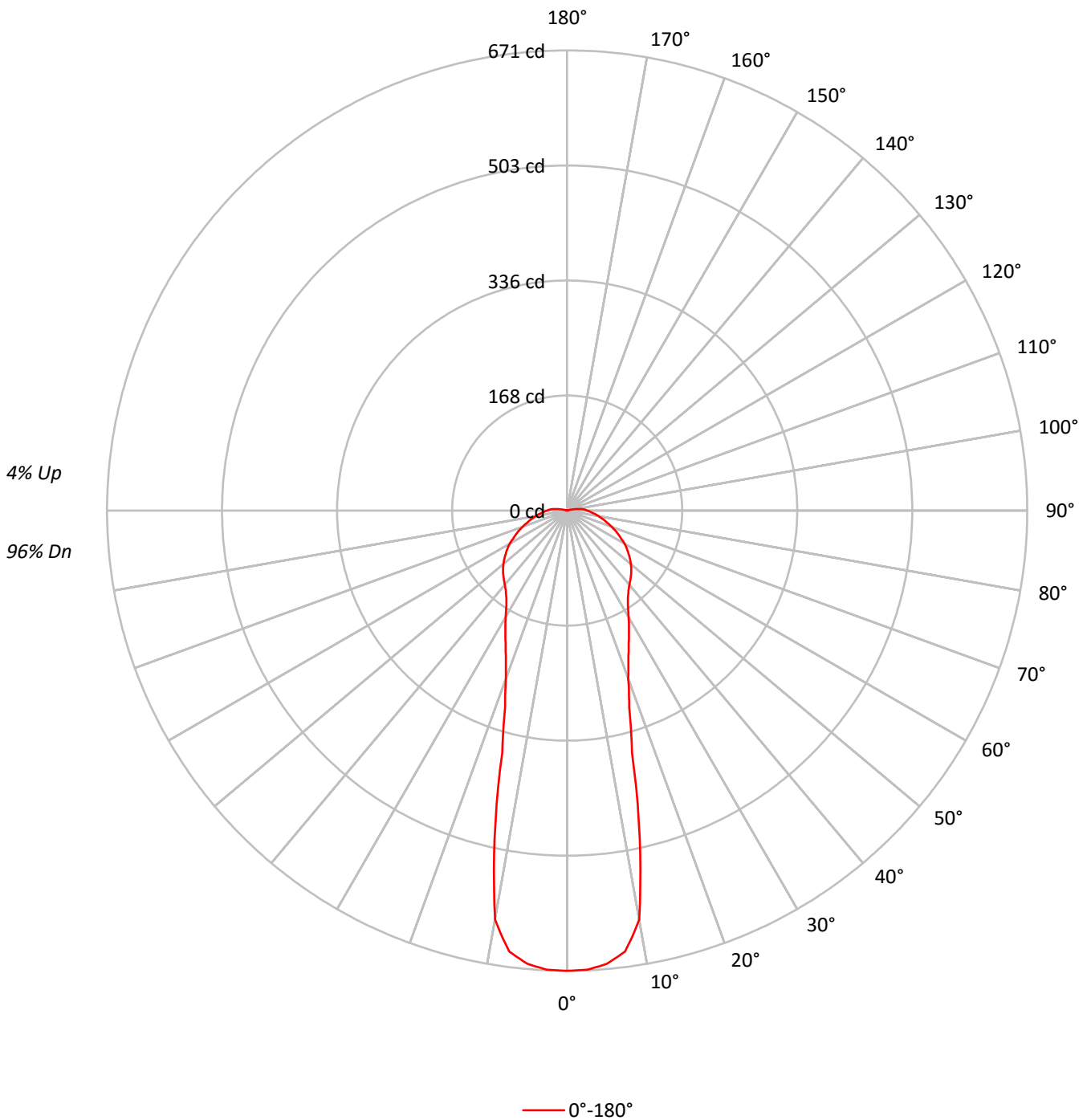
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48	58	52	47	56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	50	43	39	48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36	46	40	36	45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43783
5°	38832
10°	32364
15°	18113
20°	12107
25°	9352
30°	7562
35°	6303
40°	5616
45°	5153
50°	4698
55°	4214
60°	3760
65°	3252
70°	2787
75°	2361
80°	2001
85°	1674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	7.9
10°-20°	107.4	13.8
20°-30°	98.5	12.7
30°-40°	97.9	12.6
40°-50°	101.7	13.1
50°-60°	97.8	12.6
60°-70°	81.8	10.5
70°-80°	60.3	7.8
80°-90°	40.8	5.3
90°-100°	23.7	3.1
100°-110°	4.9	0.6
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°	267.6	34.5
0°-40°	365.6	47.1
0°-60°	565.1	72.7
0°-90°	748.1	96.3
90°-120°	28.7	3.7
90°-150°	28.7	3.7
90°-180°	29.0	3.7
0°-180°	776.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	671	
5°	664	62
15°	366	107
25°	212	99
35°	154	98
45°	132	102
55°	109	98
65°	82	82
75°	57	60
85°	37	32
90°	29	16
95°	23	16
105°	4	5
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°	671.1
2.5°	670.2
5°	663.5
7.5°	648.4
10°	605.7
12.5°	489.1
15°	365.9
17.5°	300.5
20°	260.7
22.5°	233.2
25°	212.3
27.5°	195.3
30°	179.2
32.5°	164.9
35°	154.5
37.5°	146.9
40°	141.2
42.5°	136.5
45°	131.8
47.5°	127.0
50°	121.3
52.5°	115.6
55°	109.0
57.5°	103.3
60°	96.7
62.5°	89.1
65°	82.5
67.5°	75.8
70°	69.2
72.5°	62.6
75°	56.9
77.5°	51.2
80°	46.4
82.5°	41.7
85°	37.0
87.5°	33.2
90°	29.4
92.5°	26.5
95°	22.8
97.5°	17.1
100°	11.4
102.5°	6.6
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)