

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: P229272

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9024-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)
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-1020-9024-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 733.3 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

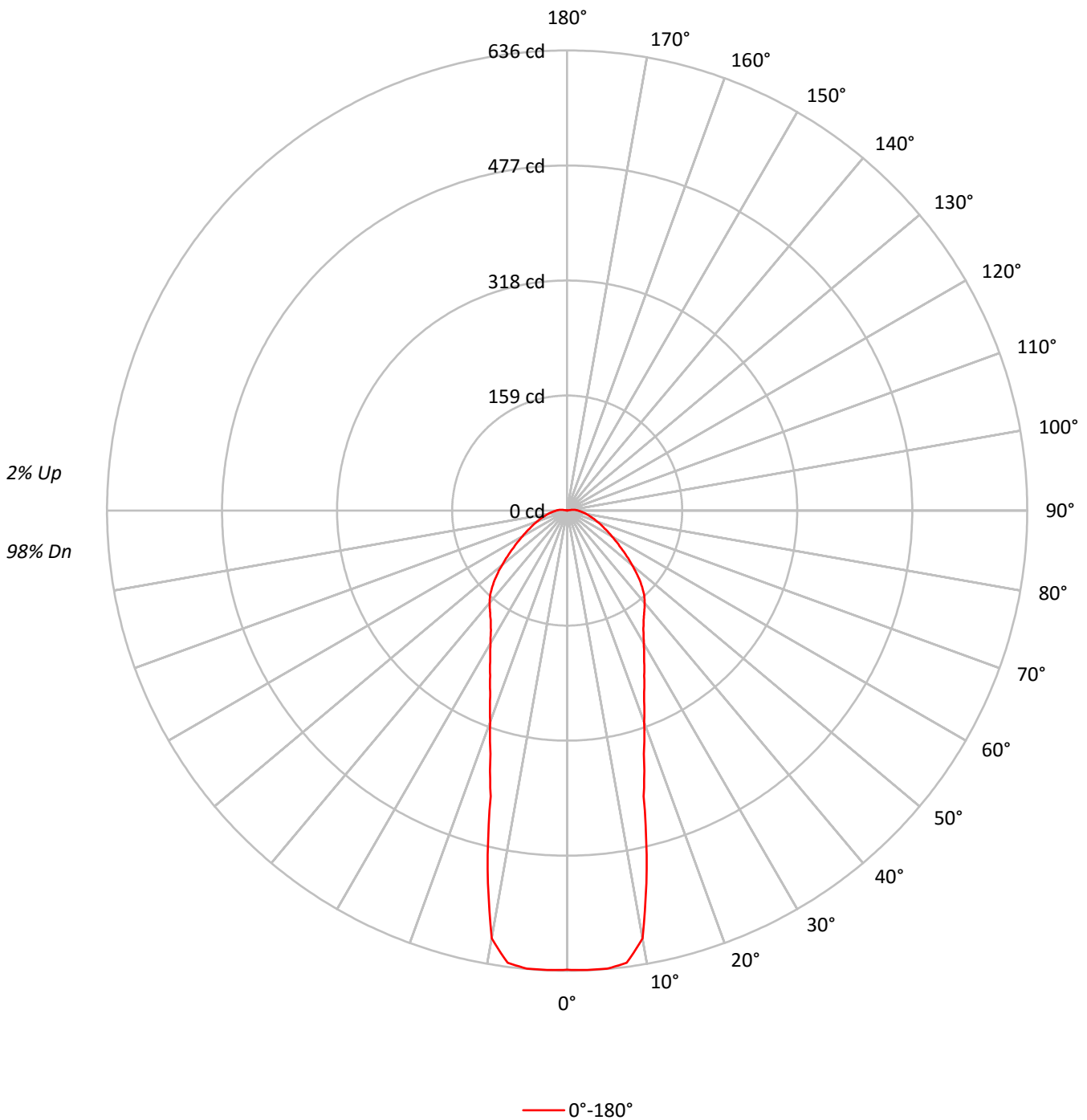
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	106	102	99	96	98	95	92	94	91	89	90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79	84	80	77	81	78	75	73
3	93	84	77	71	91	82	75	70	79	73	69	76	71	67	73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60	69	64	60	67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49	59	53	48	57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44	54	49	44	53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41	51	45	41	50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41408
5°	37193
10°	32087
15°	20232
20°	14447
25°	11096
30°	8938
35°	7518
40°	6634
45°	5673
50°	4554
55°	3545
60°	2788
65°	2203
70°	1780
75°	1419
80°	1151
85°	905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	8.1
10°-20°	118.0	16.1
20°-30°	116.9	15.9
30°-40°	116.4	15.9
40°-50°	111.1	15.2
50°-60°	82.9	11.3
60°-70°	56.2	7.7
70°-80°	36.7	5.0
80°-90°	22.3	3.0
90°-100°	11.6	1.6
100°-110°	1.6	0.2
110°-120°	0.0	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°	294.6	40.2
0°-40°	411.0	56.0
0°-60°	605.0	82.5
0°-90°	720.2	98.2
90°-120°	13.1	1.8
90°-150°	13.1	1.8
90°-180°	13.0	1.8
0°-180°	733.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	635	
5°	636	60
15°	409	118
25°	252	117
35°	184	116
45°	145	111
55°	92	83
65°	56	56
75°	34	37
85°	20	18
90°	15	8
95°	11	8
105°	1	2
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°	634.7
2.5°	635.5
5°	635.5
7.5°	630.5
10°	600.5
12.5°	507.9
15°	408.7
17.5°	352.8
20°	311.1
22.5°	277.7
25°	251.9
27.5°	230.2
30°	211.8
32.5°	196.0
35°	184.3
37.5°	175.1
40°	166.8
42.5°	157.6
45°	145.1
47.5°	131.8
50°	117.6
52.5°	104.2
55°	91.7
57.5°	80.9
60°	71.7
62.5°	63.4
65°	55.9
67.5°	50.0
70°	44.2
72.5°	39.2
75°	34.2
77.5°	30.0
80°	26.7
82.5°	23.4
85°	20.0
87.5°	17.5
90°	15.0
92.5°	13.3
95°	10.8
97.5°	8.3
100°	5.0
102.5°	2.5
105°	0.8
107.5°	0.0
110°	0.0



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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)