

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: P229273

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229273
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-1020-9027-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 833.6 lumens
Efficiency: N/A
Efficacy: 59.1 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

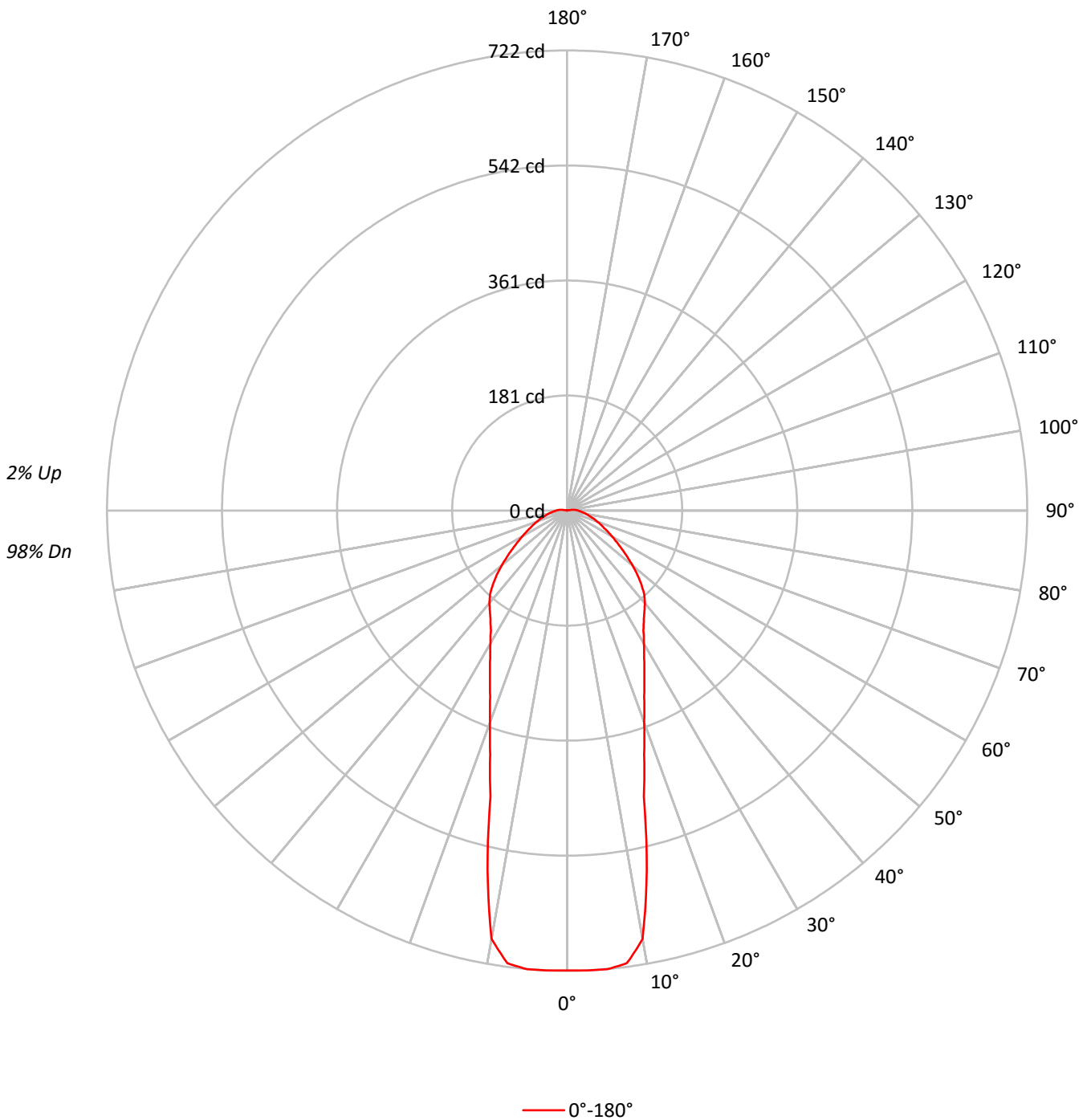
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	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	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47065
5°	42273
10°	36468
15°	22994
20°	16421
25°	12611
30°	10161
35°	8546
40°	7541
45°	6447
50°	5178
55°	4032
60°	3169
65°	2503
70°	2022
75°	1614
80°	1307
85°	1032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	8.1
10°-20°	134.1	16.1
20°-30°	132.8	15.9
30°-40°	132.3	15.9
40°-50°	126.3	15.2
50°-60°	94.3	11.3
60°-70°	63.9	7.7
70°-80°	41.7	5.0
80°-90°	25.3	3.0
90°-100°	13.2	1.6
100°-110°	1.8	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°	334.8	40.2
0°-40°	467.2	56.0
0°-60°	687.7	82.5
0°-90°	818.6	98.2
90°-120°	15.0	1.8
90°-150°	15.0	1.8
90°-180°	15.0	1.8
0°-180°	833.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	721	
5°	722	68
15°	464	134
25°	286	133
35°	210	132
45°	165	126
55°	104	94
65°	64	64
75°	39	42
85°	23	20
90°	17	9
95°	12	9
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°	721.4
2.5°	722.3
5°	722.3
7.5°	716.6
10°	682.5
12.5°	577.3
15°	464.5
17.5°	401.0
20°	353.6
22.5°	315.7
25°	286.3
27.5°	261.6
30°	240.8
32.5°	222.8
35°	209.5
37.5°	199.1
40°	189.6
42.5°	179.2
45°	164.9
47.5°	149.8
50°	133.7
52.5°	118.5
55°	104.3
57.5°	91.9
60°	81.5
62.5°	72.0
65°	63.5
67.5°	56.9
70°	50.2
72.5°	44.6
75°	38.9
77.5°	34.1
80°	30.3
82.5°	26.5
85°	22.8
87.5°	19.9
90°	17.1
92.5°	15.2
95°	12.3
97.5°	9.5
100°	5.7
102.5°	2.8
105°	0.9
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)