

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: P229189

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9050-6LBW1LI-CF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229189
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-1020-9050-6LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 872.0 lumens
Efficiency: N/A
Efficacy: 61.8 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

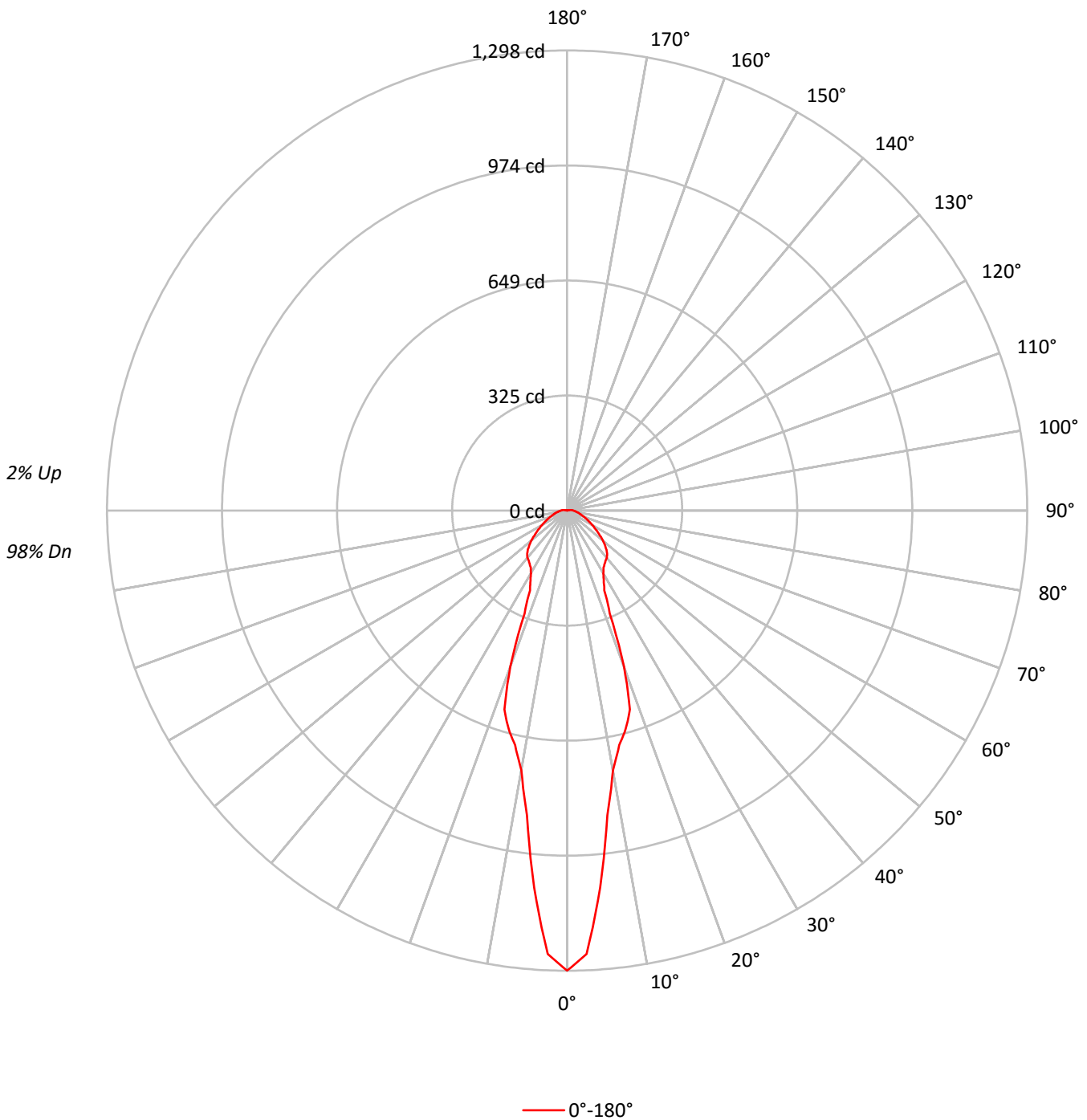
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	84650
5°	62453
10°	39717
15°	31568
20°	21766
25°	10942
30°	8617
35°	7510
40°	6921
45°	6134
50°	5104
55°	4044
60°	3208
65°	2538
70°	1985
75°	1585
80°	1302
85°	1045



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	10.4
10°-20°	174.5	20.0
20°-30°	126.7	14.5
30°-40°	116.2	13.3
40°-50°	119.9	13.7
50°-60°	94.2	10.8
60°-70°	64.1	7.3
70°-80°	41.0	4.7
80°-90°	25.4	2.9
90°-100°	14.7	1.7
100°-110°	4.4	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°	392.0	45.0
0°-40°	508.2	58.3
0°-60°	722.3	82.8
0°-90°	852.8	97.8
90°-120°	19.2	2.2
90°-150°	19.2	2.2
90°-180°	19.0	2.2
0°-180°	872.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1298	
5°	1067	91
15°	638	174
25°	248	127
35°	184	116
45°	157	120
55°	105	94
65°	64	64
75°	38	41
85°	23	20
90°	17	10
95°	14	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	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1297.5
2.5°	1252.2
5°	1067.1
7.5°	867.0
10°	743.3
12.5°	677.9
15°	637.7
17.5°	588.4
20°	468.7
22.5°	313.8
25°	248.4
27.5°	223.3
30°	204.2
32.5°	191.1
35°	184.1
37.5°	178.0
40°	174.0
42.5°	167.0
45°	156.9
47.5°	144.8
50°	131.8
52.5°	117.7
55°	104.6
57.5°	92.5
60°	82.5
62.5°	72.4
65°	64.4
67.5°	56.3
70°	49.3
72.5°	43.2
75°	38.2
77.5°	34.2
80°	30.2
82.5°	26.2
85°	23.1
87.5°	20.1
90°	17.1
92.5°	16.1
95°	14.1
97.5°	11.1
100°	8.0
102.5°	6.0
105°	4.0
107.5°	2.0
110°	1.0



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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)