

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: G1-1705-068-10

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9035-6LBW1LI-FF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G1-1705-068-10
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-1020-9035-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 798.1 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

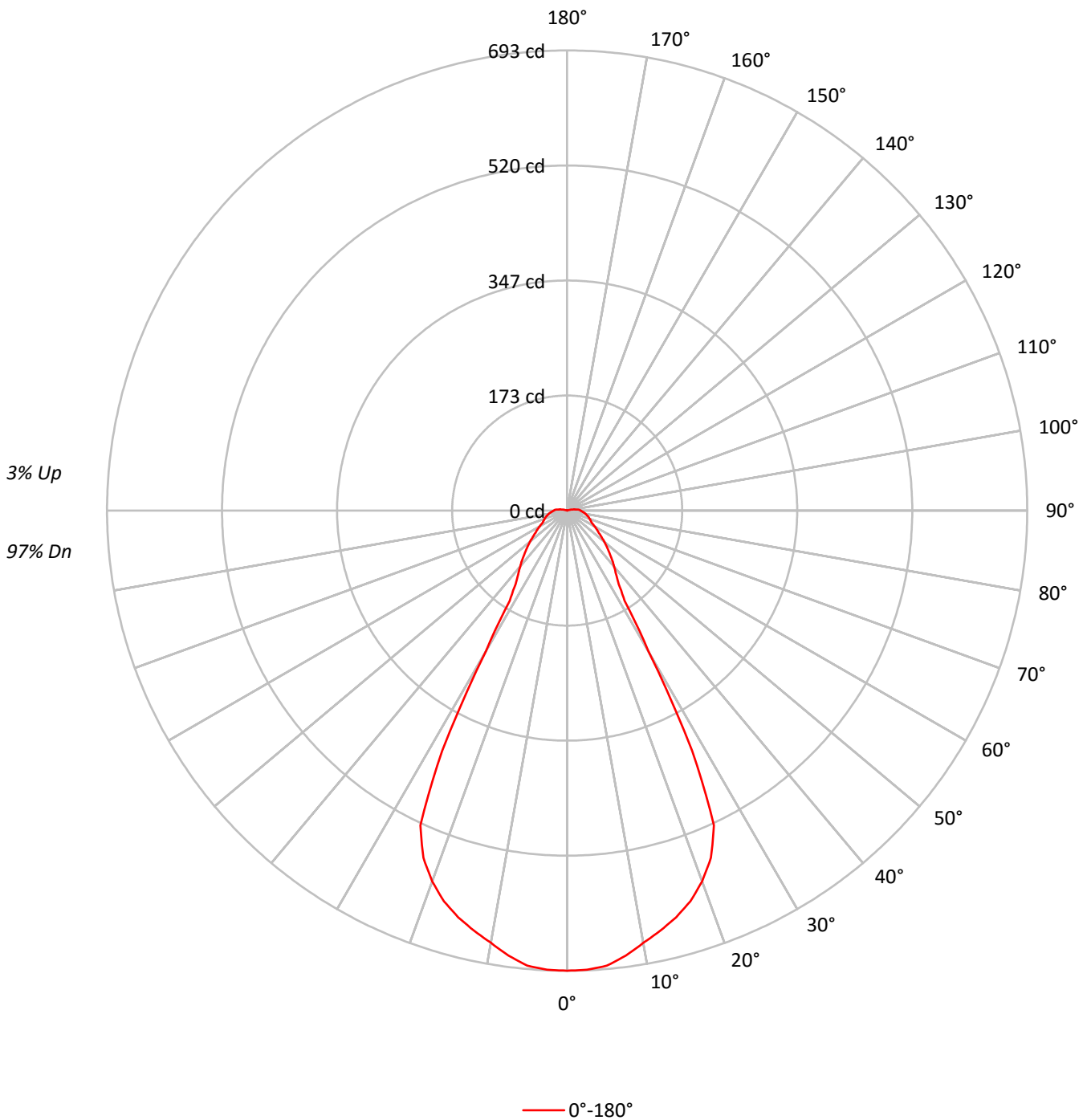
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	83	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45212
5°	40266
10°	35319
15°	31384
20°	27585
25°	23038
30°	10339
35°	5507
40°	4375
45°	3518
50°	2827
55°	2242
60°	1866
65°	1577
70°	1450
75°	1328
80°	1207
85°	1086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	8.1
10°-20°	178.1	22.3
20°-30°	217.2	27.2
30°-40°	92.0	11.5
40°-50°	69.8	8.7
50°-60°	52.8	6.6
60°-70°	40.4	5.1
70°-80°	33.8	4.2
80°-90°	26.2	3.3
90°-100°	17.5	2.2
100°-110°	5.2	0.7
110°-120°	0.4	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°	460.1	57.6
0°-40°	552.1	69.2
0°-60°	674.7	84.5
0°-90°	775.1	97.1
90°-120°	23.0	2.9
90°-150°	23.0	2.9
90°-180°	23.0	2.9
0°-180°	798.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	693	
5°	688	65
15°	634	178
25°	523	217
35°	135	92
45°	90	70
55°	58	53
65°	40	40
75°	32	34
85°	24	20
90°	20	11
95°	17	12
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	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	693
2.5°	692
5°	688
7.5°	676
10°	661
12.5°	648
15°	634
17.5°	617
20°	594
22.5°	566
25°	523
27.5°	408
30°	245
32.5°	161
35°	135
37.5°	121
40°	110
42.5°	100
45°	90
47.5°	81
50°	73
52.5°	65
55°	58
57.5°	53
60°	48
62.5°	43
65°	40
67.5°	38
70°	36
72.5°	34
75°	32
77.5°	30
80°	28
82.5°	26
85°	24
87.5°	22
90°	20
92.5°	19
95°	17
97.5°	13
100°	10
102.5°	7
105°	4
107.5°	3
110°	1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1
115°	0
117.5°	0
120°	0
122.5°	0
125°	0
127.5°	0
130°	0
132.5°	0
135°	0
137.5°	0
140°	0
142.5°	0
145°	0
147.5°	0
150°	0
152.5°	0
155°	0
157.5°	0
160°	0
162.5°	0
165°	0
167.5°	0
170°	0
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)