

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: P229247

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229247
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-1020-9050-6LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 824.2 lumens
Efficiency: N/A
Efficacy: 58.5 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

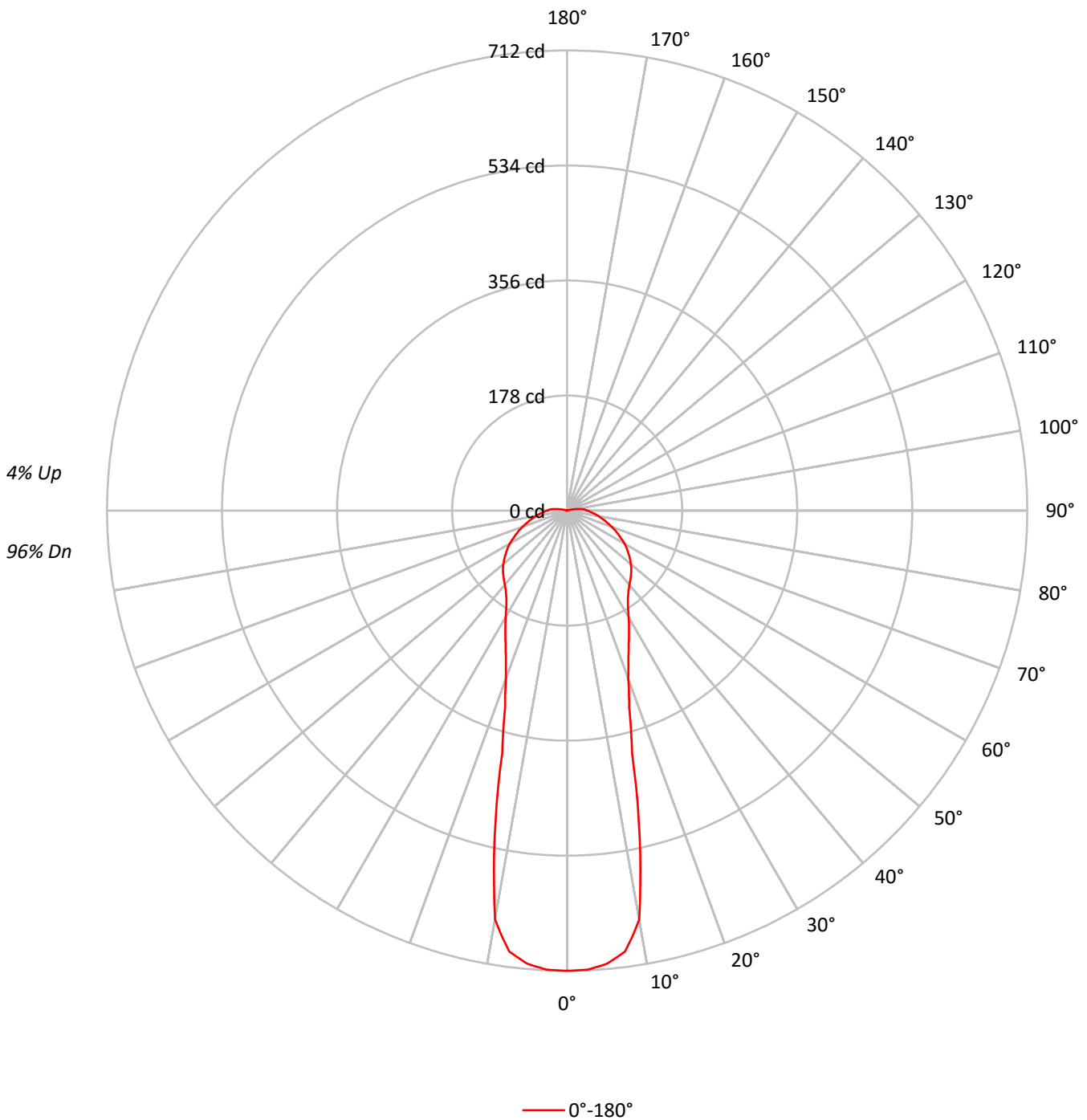
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	46458
5°	41208
10°	34341
15°	19217
20°	12845
25°	9924
30°	8022
35°	6686
40°	5962
45°	5465
50°	4984
55°	4473
60°	3989
65°	3449
70°	2956
75°	2502
80°	2126
85°	1773



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	7.9
10°-20°	114.0	13.8
20°-30°	104.5	12.7
30°-40°	103.9	12.6
40°-50°	108.0	13.1
50°-60°	103.8	12.6
60°-70°	86.8	10.5
70°-80°	64.0	7.8
80°-90°	43.3	5.3
90°-100°	25.1	3.0
100°-110°	5.2	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°	284.0	34.5
0°-40°	387.9	47.1
0°-60°	599.6	72.7
0°-90°	793.7	96.3
90°-120°	30.5	3.7
90°-150°	30.5	3.7
90°-180°	30.0	3.6
0°-180°	824.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	712	
5°	704	65
15°	388	114
25°	225	105
35°	164	104
45°	140	108
55°	116	104
65°	88	87
75°	60	64
85°	39	34
90°	31	17
95°	24	17
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°	712.1
2.5°	711.1
5°	704.1
7.5°	688.0
10°	642.7
12.5°	519.0
15°	388.2
17.5°	318.8
20°	276.6
22.5°	247.4
25°	225.3
27.5°	207.2
30°	190.1
32.5°	175.0
35°	163.9
37.5°	155.9
40°	149.9
42.5°	144.8
45°	139.8
47.5°	134.8
50°	128.7
52.5°	122.7
55°	115.7
57.5°	109.6
60°	102.6
62.5°	94.5
65°	87.5
67.5°	80.5
70°	73.4
72.5°	66.4
75°	60.3
77.5°	54.3
80°	49.3
82.5°	44.3
85°	39.2
87.5°	35.2
90°	31.2
92.5°	28.2
95°	24.1
97.5°	18.1
100°	12.1
102.5°	7.0
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)