

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: P229246

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-GFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229246
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-1020-9040-6LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 820.7 lumens
Efficiency: N/A
Efficacy: 58.2 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

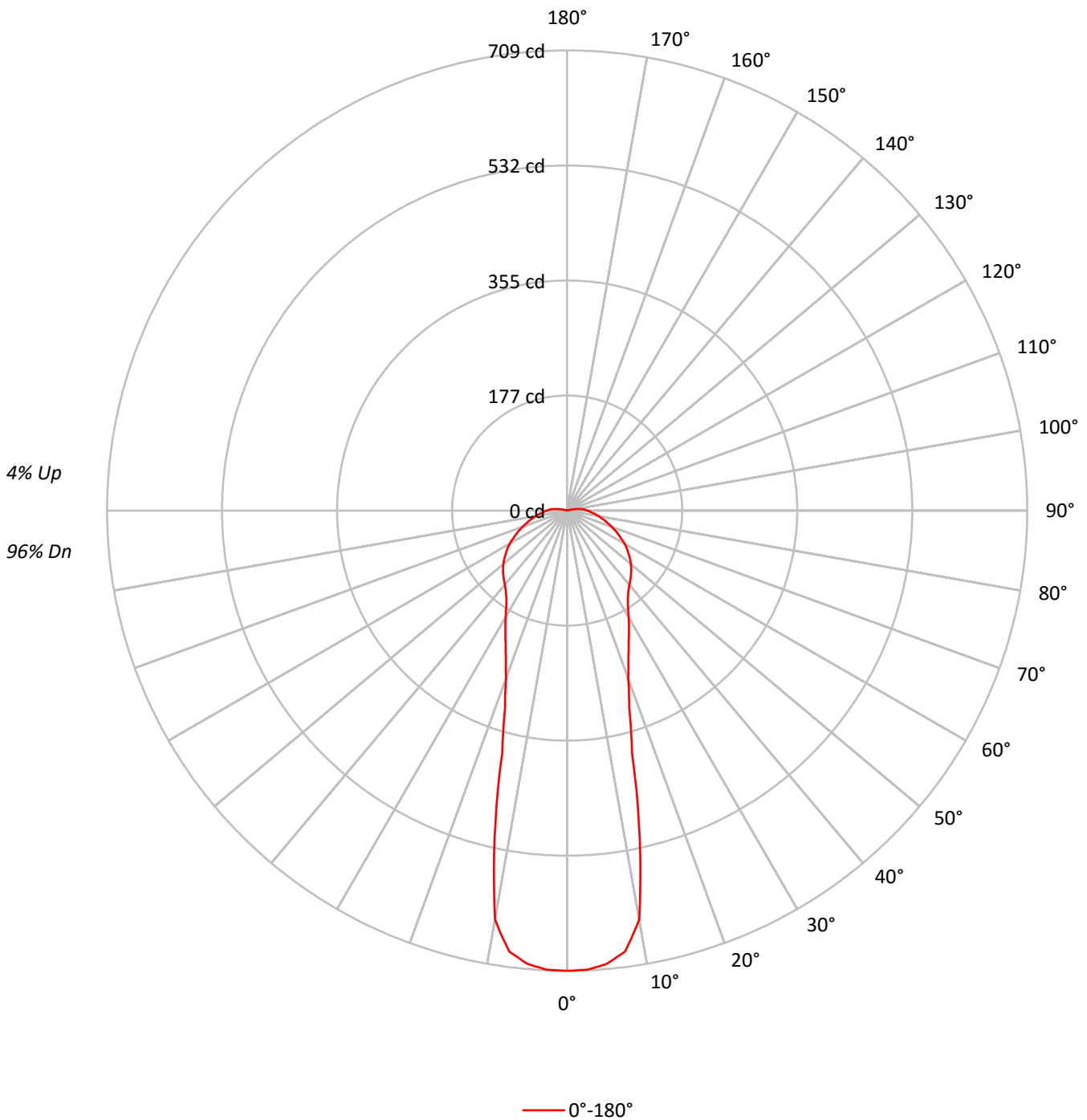
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P229246

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-GFF

Luminous Intensity Polar Plot





TEST NUMBER: P229246

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-GFF

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°	46262
5°	41033
10°	34197
15°	19138
20°	12789
25°	9880
30°	7988
35°	6658
40°	5934
45°	5442
50°	4965
55°	4453
60°	3974
65°	3433
70°	2944
75°	2493
80°	2117
85°	1769



TEST NUMBER: P229246

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-GFF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	7.9
10°-20°	113.5	13.8
20°-30°	104.1	12.7
30°-40°	103.5	12.6
40°-50°	107.5	13.1
50°-60°	103.4	12.6
60°-70°	86.4	10.5
70°-80°	63.8	7.8
80°-90°	43.2	5.3
90°-100°	25.0	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°	282.8	34.5
0°-40°	386.2	47.1
0°-60°	597.1	72.8
0°-90°	790.4	96.3
90°-120°	30.3	3.7
90°-150°	30.3	3.7
90°-180°	30.0	3.7
0°-180°	820.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	709	
5°	701	65
15°	387	113
25°	224	104
35°	163	103
45°	139	107
55°	115	103
65°	87	86
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	



TEST NUMBER: P229246

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-GFF

CANDELA DISTRIBUTION (FULL):

0°	
0°	709.1
2.5°	708.1
5°	701.1
7.5°	685.0
10°	640.0
12.5°	516.8
15°	386.6
17.5°	317.5
20°	275.4
22.5°	246.4
25°	224.3
27.5°	206.3
30°	189.3
32.5°	174.3
35°	163.2
37.5°	155.2
40°	149.2
42.5°	144.2
45°	139.2
47.5°	134.2
50°	128.2
52.5°	122.2
55°	115.2
57.5°	109.2
60°	102.2
62.5°	94.1
65°	87.1
67.5°	80.1
70°	73.1
72.5°	66.1
75°	60.1
77.5°	54.1
80°	49.1
82.5°	44.1
85°	39.1
87.5°	35.1
90°	31.0
92.5°	28.0
95°	24.0
97.5°	18.0
100°	12.0
102.5°	7.0
105°	4.0
107.5°	2.0
110°	1.0



TEST NUMBER: P229246

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-GFF

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)