

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: G1-1705-068-15

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 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-1020-9035-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE,
CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 879.4 lumens
Efficiency: N/A
Efficacy: 62.4 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

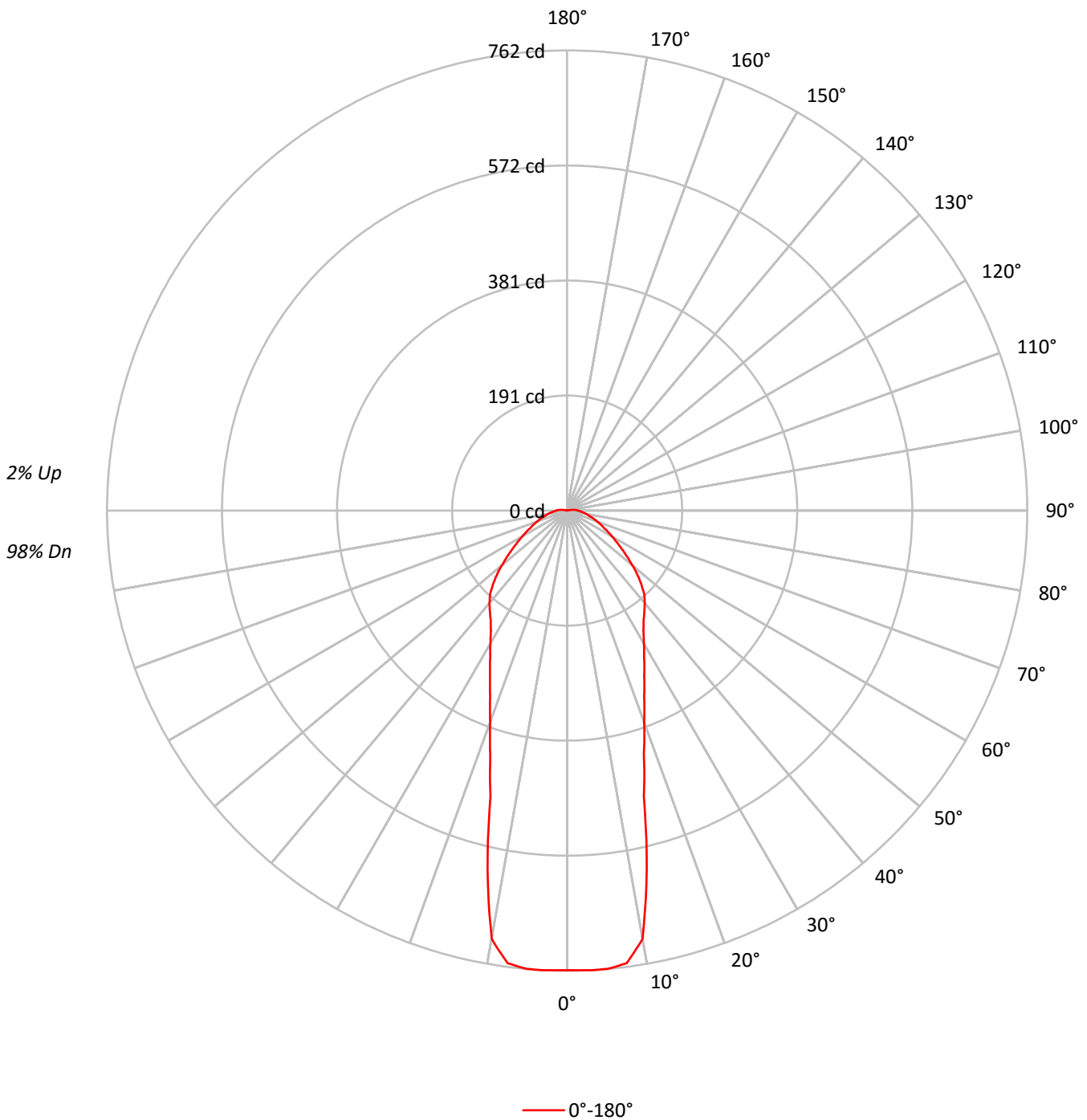
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: G1-1705-068-15

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9035-6LBW1LI-GFC

Luminous Intensity Polar Plot





TEST NUMBER: G1-1705-068-15

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9035-6LBW1LI-GFC

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°	49648
5°	44597
10°	38472
15°	24256
20°	17322
25°	13303
30°	10718
35°	9016
40°	7955
45°	6802
50°	5460
55°	4252
60°	3344
65°	2641
70°	2134
75°	1701
80°	1380
85°	1086



TEST NUMBER: G1-1705-068-15

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9035-6LBW1LI-GFC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	8.1
10°-20°	141.4	16.1
20°-30°	140.1	15.9
30°-40°	139.6	15.9
40°-50°	133.2	15.2
50°-60°	99.4	11.3
60°-70°	67.4	7.7
70°-80°	44.0	5.0
80°-90°	26.7	3.0
90°-100°	13.9	1.6
100°-110°	1.9	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°	353.2	40.2
0°-40°	492.8	56.0
0°-60°	725.5	82.5
0°-90°	863.6	98.2
90°-120°	15.8	1.8
90°-150°	15.8	1.8
90°-180°	16.0	1.8
0°-180°	879.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	761	
5°	762	72
15°	490	141
25°	302	140
35°	221	140
45°	174	133
55°	110	99
65°	67	67
75°	41	44
85°	24	21
90°	18	10
95°	13	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



TEST NUMBER: G1-1705-068-15

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9035-6LBW1LI-GFC

CANDELA DISTRIBUTION (FULL):

0°	
0°	761
2.5°	762
5°	762
7.5°	756
10°	720
12.5°	609
15°	490
17.5°	423
20°	373
22.5°	333
25°	302
27.5°	276
30°	254
32.5°	235
35°	221
37.5°	210
40°	200
42.5°	189
45°	174
47.5°	158
50°	141
52.5°	125
55°	110
57.5°	97
60°	86
62.5°	76
65°	67
67.5°	60
70°	53
72.5°	47
75°	41
77.5°	36
80°	32
82.5°	28
85°	24
87.5°	21
90°	18
92.5°	16
95°	13
97.5°	10
100°	6
102.5°	3
105°	1
107.5°	0
110°	0



TEST NUMBER: G1-1705-068-15

CATALOG NUMBER: 340-6B-15-D010 / 340-EU6B-1020-9035-6LBW1LI-GFC

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0
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)