

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: P229302

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9027-6LBW1LI-GCC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-16)
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-1020-9027-6LBW1LI-GCC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,
CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 941.3 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.89
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

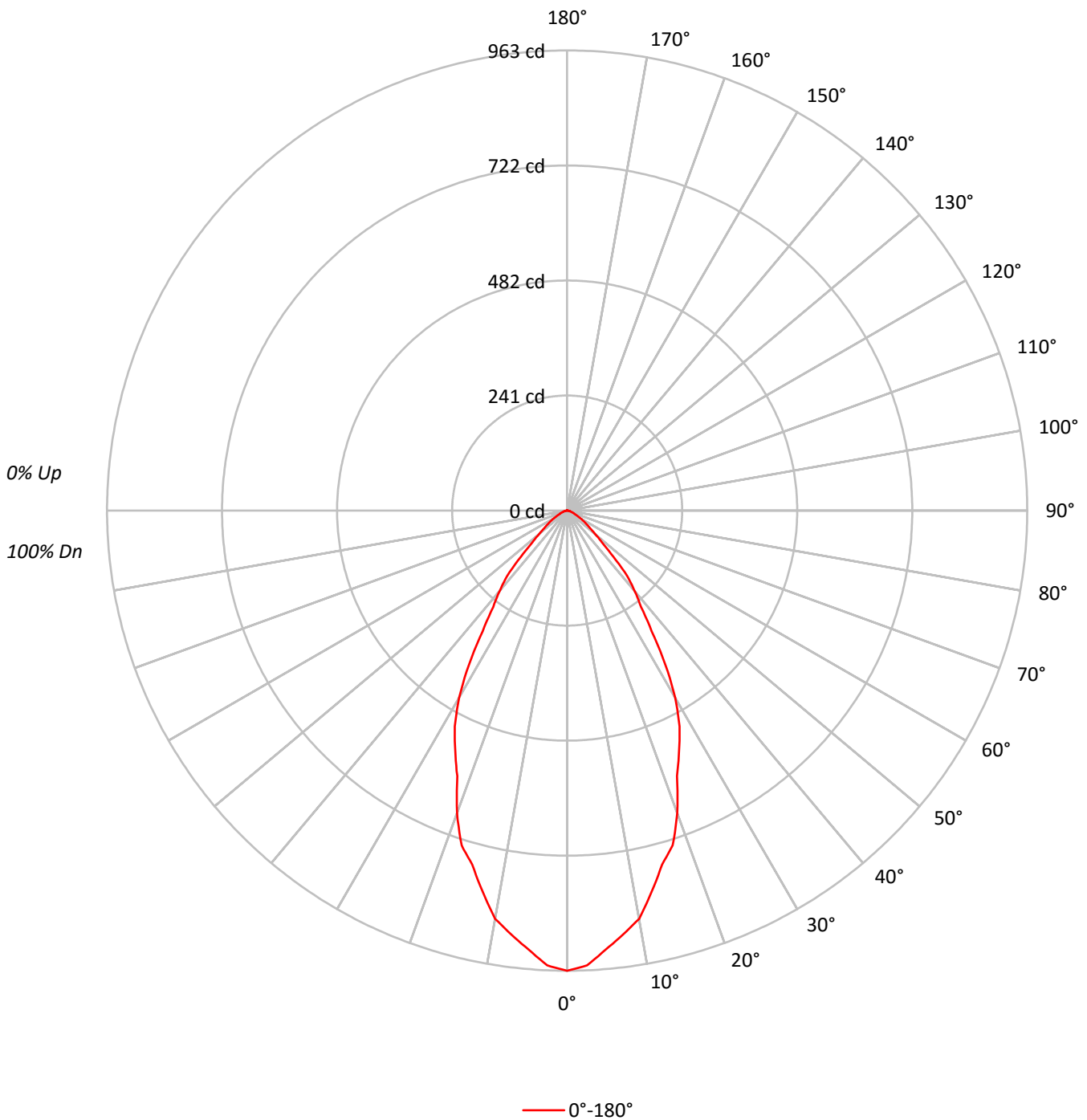
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	101	96	92	104	99	95	91	96	92	89	92	90	87	90	87	85	84
3	100	93	87	83	98	91	86	82	88	84	81	86	82	79	84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	71	70
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57	66	60	57	64	60	56	55
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62833
5°	60401
10°	57456
15°	51798
20°	46794
25°	39916
30°	34066
35°	24538
40°	18728
45°	12594
50°	7795
55°	5608
60°	4084
65°	2779
70°	2346
75°	1916
80°	1766
85°	1422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	9.2
10°-20°	216.3	23.0
20°-30°	255.0	27.1
30°-40°	198.2	21.1
40°-50°	108.7	11.6
50°-60°	45.3	4.8
60°-70°	19.2	2.0
70°-80°	8.2	0.9
80°-90°	2.3	0.2
90°-100°	1.0	0.1
100°-110°	0.6	0.1
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°	557.7	59.2
0°-40°	755.9	80.3
0°-60°	910.0	96.7
0°-90°	939.7	99.8
90°-120°	1.6	0.2
90°-150°	1.6	0.2
90°-180°	2.0	0.2
0°-180°	941.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	963	
5°	922	86
15°	767	216
25°	554	255
35°	308	198
45°	136	109
55°	49	45
65°	18	19
75°	8	8
85°	2	2
90°	1	0
95°	1	1
105°	1	1
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°	963.1
2.5°	952.7
5°	922.3
7.5°	894.8
10°	867.3
12.5°	817.1
15°	766.9
17.5°	734.6
20°	674.0
22.5°	601.0
25°	554.5
27.5°	509.0
30°	452.2
32.5°	383.0
35°	308.1
37.5°	254.0
40°	219.9
42.5°	186.7
45°	136.5
47.5°	98.6
50°	76.8
52.5°	60.7
55°	49.3
57.5°	39.8
60°	31.3
62.5°	22.7
65°	18.0
67.5°	15.2
70°	12.3
72.5°	9.5
75°	7.6
77.5°	5.7
80°	4.7
82.5°	2.8
85°	1.9
87.5°	0.9
90°	0.9
92.5°	0.9
95°	0.9
97.5°	0.9
100°	0.9
102.5°	0.9
105°	0.9
107.5°	0.0
110°	0.0



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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)