

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: P229174

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9027-6LBW1LI-CC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-11)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-40-D010 / 340-EU6B-3040-9027-6LBW1LI-CC
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2477.5 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

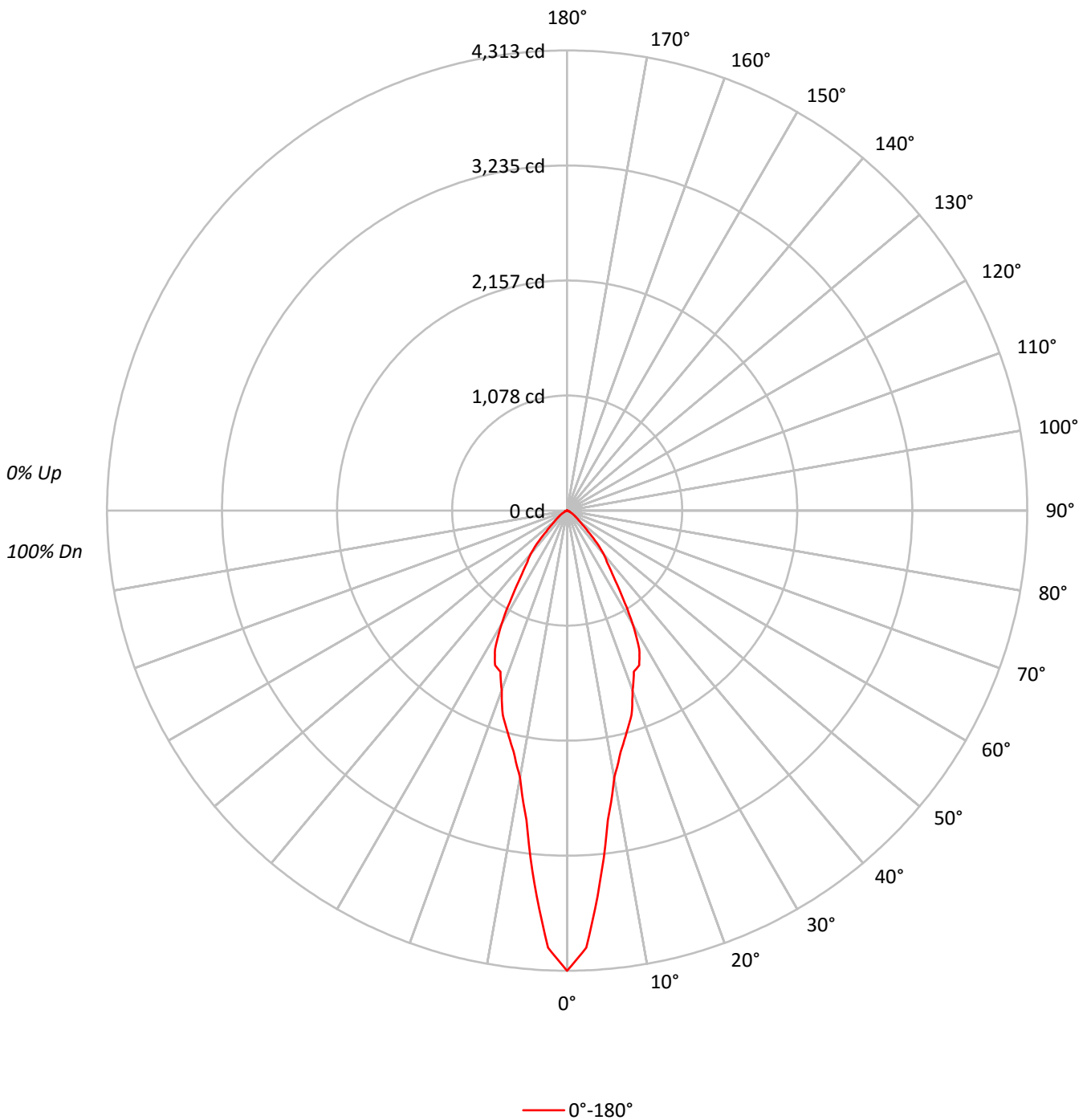
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	61	68	63	60	59
8	78	68	62	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55
9	74	64	58	54	73	63	58	54	62	57	53	62	57	53	61	56	53	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	281409
5°	229771
10°	168374
15°	145391
20°	124512
25°	115097
30°	92781
35°	60235
40°	45547
45°	25419
50°	14798
55°	9827
60°	6694
65°	4168
70°	3605
75°	2722
80°	2029
85°	2021



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.4	12.2
10°-20°	602.4	24.3
20°-30°	712.1	28.7
30°-40°	498.3	20.1
40°-50°	232.5	9.4
50°-60°	80.7	3.3
60°-70°	30.6	1.2
70°-80°	12.4	0.5
80°-90°	2.9	0.1
90°-100°	1.8	0.1
100°-110°	1.1	0.0
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°	1617.8	65.3
0°-40°	2116.2	85.4
0°-60°	2429.3	98.1
0°-90°	2475.4	99.9
90°-120°	2.9	0.1
90°-150°	2.9	0.1
90°-180°	3.0	0.1
0°-180°	2477.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4313	
5°	3508	303
15°	2153	602
25°	1599	712
35°	756	498
45°	276	233
55°	86	81
65°	27	31
75°	11	12
85°	3	3
90°	0	0
95°	0	1
105°	0	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°	4313.4
2.5°	4100.0
5°	3508.5
7.5°	2925.1
10°	2541.6
12.5°	2314.7
15°	2152.6
17.5°	2006.8
20°	1793.4
22.5°	1634.1
25°	1598.9
27.5°	1463.9
30°	1231.6
32.5°	969.6
35°	756.3
37.5°	618.5
40°	534.8
42.5°	415.9
45°	275.5
47.5°	191.8
50°	145.8
52.5°	110.7
55°	86.4
57.5°	67.5
60°	51.3
62.5°	37.8
65°	27.0
67.5°	24.3
70°	18.9
72.5°	16.2
75°	10.8
77.5°	8.1
80°	5.4
82.5°	2.7
85°	2.7
87.5°	2.7
90°	0.0
92.5°	0.0
95°	0.0
97.5°	2.7
100°	2.7
102.5°	2.7
105°	0.0
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)