

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: P229209

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 589.1 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

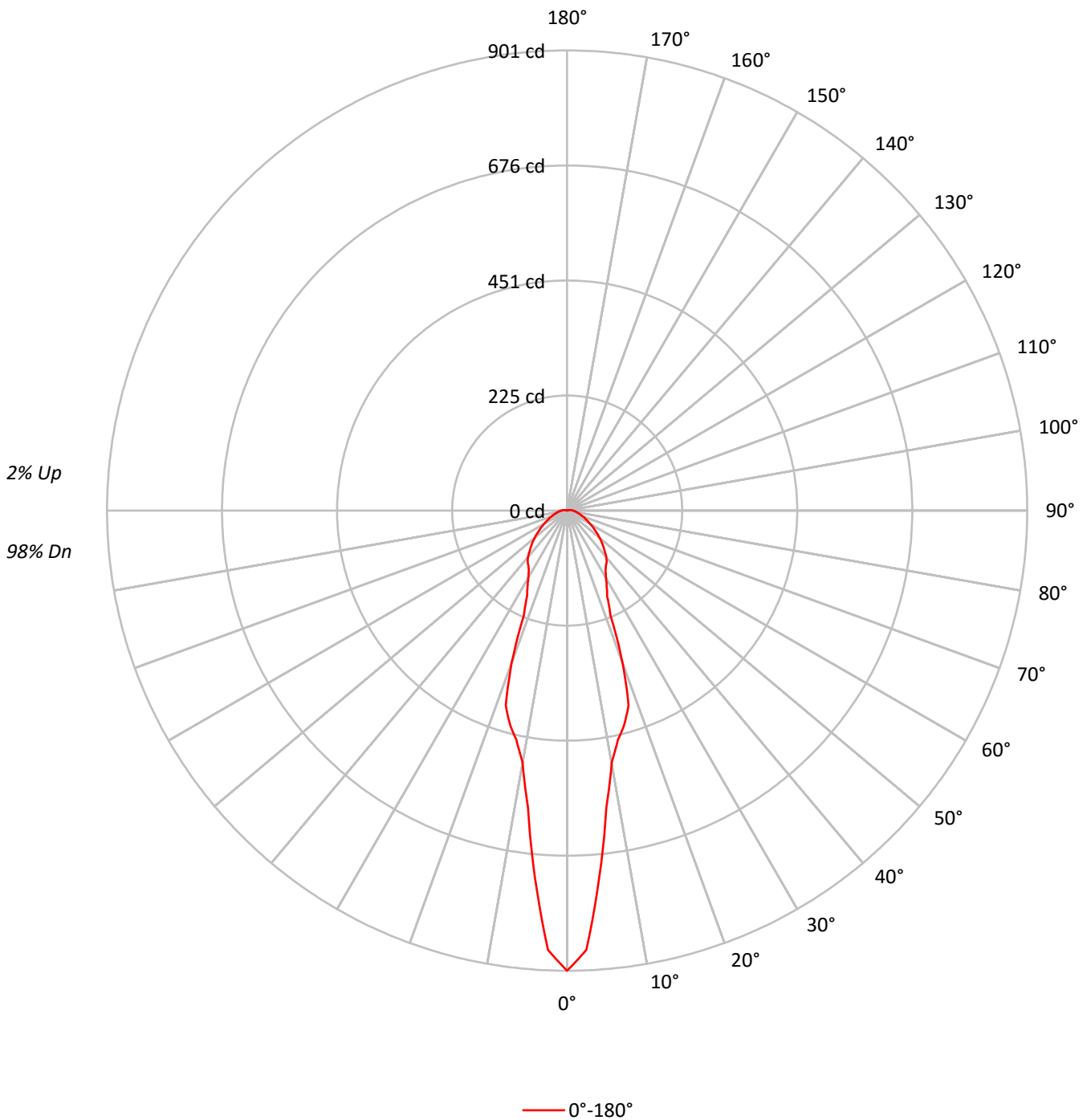
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	105	105	105	100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93	94	92	90	90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81	85	82	78	82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71	78	73	70	75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63	72	67	62	69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57	66	61	57	64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58775
5°	42221
10°	26786
15°	21444
20°	14754
25°	8180
30°	6414
35°	5385
40°	4733
45°	3925
50°	3222
55°	2551
60°	2034
65°	1600
70°	1273
75°	1029
80°	832
85°	683



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	10.5
10°-20°	118.3	20.1
20°-30°	91.8	15.6
30°-40°	83.5	14.2
40°-50°	77.5	13.2
50°-60°	59.7	10.1
60°-70°	40.8	6.9
70°-80°	26.5	4.5
80°-90°	16.5	2.8
90°-100°	9.6	1.6
100°-110°	3.0	0.5
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°	271.8	46.1
0°-40°	355.4	60.3
0°-60°	492.5	83.6
0°-90°	576.4	97.8
90°-120°	12.7	2.2
90°-150°	12.7	2.2
90°-180°	13.0	2.2
0°-180°	589.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	901	
5°	721	62
15°	433	118
25°	186	92
35°	132	84
45°	100	78
55°	66	60
65°	41	41
75°	25	27
85°	15	13
90°	11	6
95°	9	7
105°	3	3
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°	900.9
2.5°	861.0
5°	721.4
7.5°	586.6
10°	501.3
12.5°	459.4
15°	433.2
17.5°	399.6
20°	317.7
22.5°	222.1
25°	185.7
27.5°	167.8
30°	152.0
32.5°	139.6
35°	132.0
37.5°	127.2
40°	119.0
42.5°	109.3
45°	100.4
47.5°	91.5
50°	83.2
52.5°	74.3
55°	66.0
57.5°	59.1
60°	52.3
62.5°	46.1
65°	40.6
67.5°	36.4
70°	31.6
72.5°	28.2
75°	24.8
77.5°	22.0
80°	19.3
82.5°	17.2
85°	15.1
87.5°	13.1
90°	11.0
92.5°	10.3
95°	8.9
97.5°	7.6
100°	5.5
102.5°	4.1
105°	2.8
107.5°	1.4
110°	0.7



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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)