

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: P229271

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9050-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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-10-D010 / 340-EU6B-1020-9050-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 641.7 lumens
Efficiency: N/A
Efficacy: 64.8 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

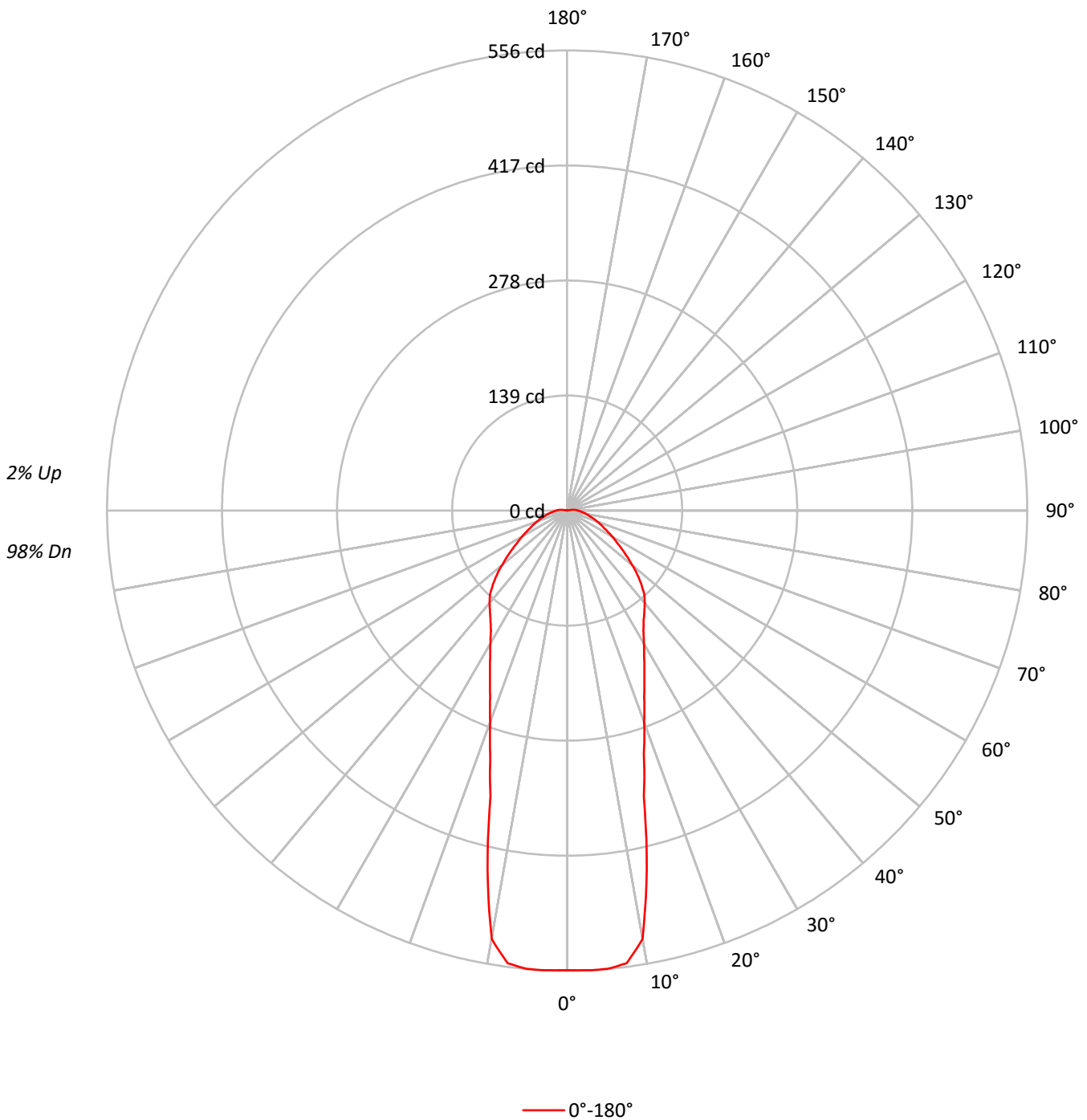
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	36228
5°	32540
10°	28074
15°	17697
20°	12641
25°	9708
30°	7819
35°	6580
40°	5803
45°	4965
50°	3985
55°	3104
60°	2442
65°	1927
70°	1558
75°	1240
80°	1005
85°	792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	8.1
10°-20°	103.2	16.1
20°-30°	102.2	15.9
30°-40°	101.9	15.9
40°-50°	97.2	15.2
50°-60°	72.6	11.3
60°-70°	49.2	7.7
70°-80°	32.1	5.0
80°-90°	19.5	3.0
90°-100°	10.2	1.6
100°-110°	1.4	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°	257.7	40.2
0°-40°	359.6	56.0
0°-60°	529.4	82.5
0°-90°	630.2	98.2
90°-120°	11.5	1.8
90°-150°	11.5	1.8
90°-180°	12.0	1.9
0°-180°	641.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	555	
5°	556	52
15°	358	103
25°	220	102
35°	161	102
45°	127	97
55°	80	73
65°	49	49
75°	30	32
85°	18	16
90°	13	7
95°	10	7
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°	555.3
2.5°	556.0
5°	556.0
7.5°	551.6
10°	525.4
12.5°	444.4
15°	357.5
17.5°	308.7
20°	272.2
22.5°	243.0
25°	220.4
27.5°	201.4
30°	185.3
32.5°	171.5
35°	161.3
37.5°	153.2
40°	145.9
42.5°	137.9
45°	127.0
47.5°	115.3
50°	102.9
52.5°	91.2
55°	80.3
57.5°	70.8
60°	62.8
62.5°	55.5
65°	48.9
67.5°	43.8
70°	38.7
72.5°	34.3
75°	29.9
77.5°	26.3
80°	23.3
82.5°	20.4
85°	17.5
87.5°	15.3
90°	13.1
92.5°	11.7
95°	9.5
97.5°	7.3
100°	4.4
102.5°	2.2
105°	0.7
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)