

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: P229238

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229238  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)  
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-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 563.6 lumens  
Efficiency: N/A  
Efficacy: 56.9 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

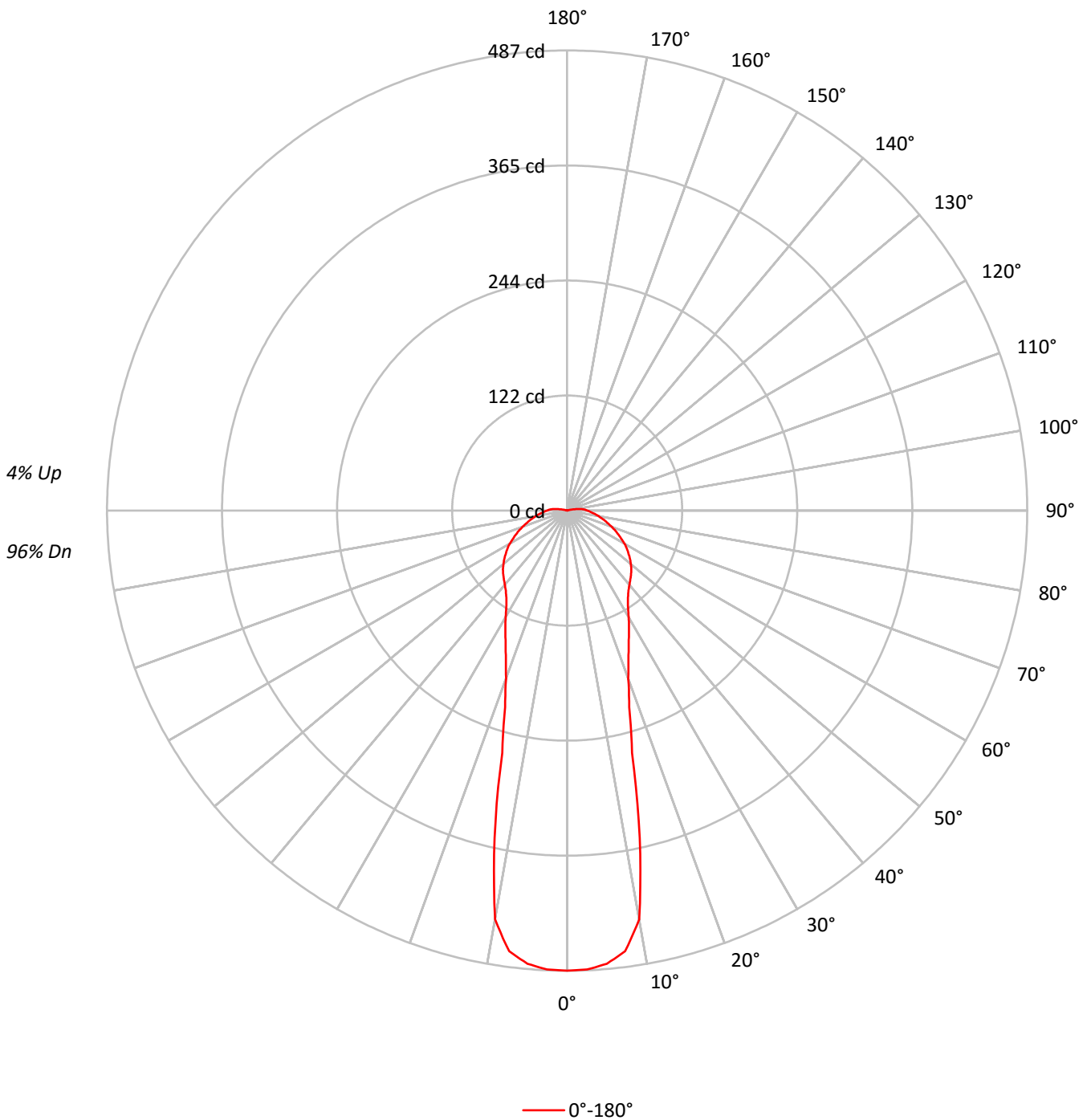
Input Watts (W): 9.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31		41	35	31		40	34	30	29

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	31766
5°	28174
10°	23478
15°	13143
20°	8782
25°	6784
30°	5486
35°	4573
40°	4077
45°	3737
50°	3408
55°	3058
60°	2726
65°	2357
70°	2022
75°	1713
80°	1453
85°	1212



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.8	7.9
10°-20°	77.9	13.8
20°-30°	71.5	12.7
30°-40°	71.1	12.6
40°-50°	73.8	13.1
50°-60°	71.0	12.6
60°-70°	59.3	10.5
70°-80°	43.8	7.8
80°-90°	29.6	5.3
90°-100°	17.2	3.1
100°-110°	3.6	0.6
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°	194.2	34.4
0°-40°	265.2	47.1
0°-60°	410.0	72.7
0°-90°	542.7	96.3
90°-120°	20.9	3.7
90°-150°	20.9	3.7
90°-180°	21.0	3.7
0°-180°	563.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	487	
5°	481	45
15°	266	78
25°	154	71
35°	112	71
45°	96	74
55°	79	71
65°	60	59
75°	41	44
85°	27	23
90°	21	12
95°	16	12
105°	3	4
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°	486.9
2.5°	486.2
5°	481.4
7.5°	470.4
10°	439.4
12.5°	354.9
15°	265.5
17.5°	218.0
20°	189.1
22.5°	169.2
25°	154.0
27.5°	141.7
30°	130.0
32.5°	119.7
35°	112.1
37.5°	106.6
40°	102.5
42.5°	99.0
45°	95.6
47.5°	92.2
50°	88.0
52.5°	83.9
55°	79.1
57.5°	75.0
60°	70.1
62.5°	64.6
65°	59.8
67.5°	55.0
70°	50.2
72.5°	45.4
75°	41.3
77.5°	37.1
80°	33.7
82.5°	30.3
85°	26.8
87.5°	24.1
90°	21.3
92.5°	19.3
95°	16.5
97.5°	12.4
100°	8.3
102.5°	4.8
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)