

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: P229239

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9030-6LBW1LI-GFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229239  
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-1020-9030-6LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 586.1 lumens  
Efficiency: N/A  
Efficacy: 59.2 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

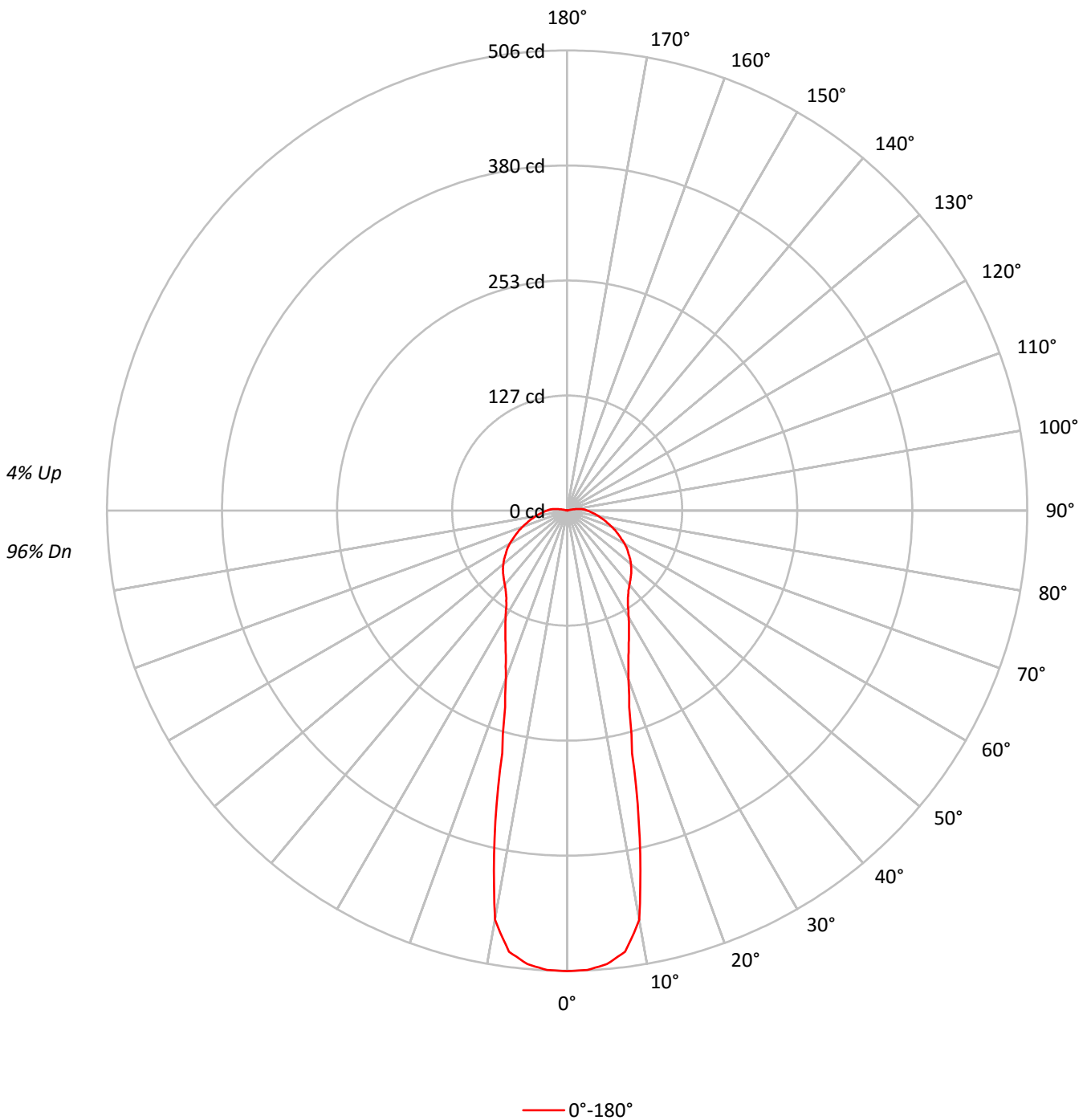
Input Watts (W): 9.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	33038
5°	29298
10°	24419
15°	13668
20°	9135
25°	7057
30°	5705
35°	4757
40°	4240
45°	3886
50°	3543
55°	3178
60°	2839
65°	2452
70°	2102
75°	1780
80°	1509
85°	1262



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.5	7.9
10°-20°	81.0	13.8
20°-30°	74.3	12.7
30°-40°	73.9	12.6
40°-50°	76.8	13.1
50°-60°	73.8	12.6
60°-70°	61.7	10.5
70°-80°	45.5	7.8
80°-90°	30.8	5.3
90°-100°	17.9	3.1
100°-110°	3.7	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°	201.9	34.5
0°-40°	275.8	47.1
0°-60°	426.4	72.8
0°-90°	564.4	96.3
90°-120°	21.7	3.7
90°-150°	21.7	3.7
90°-180°	22.0	3.8
0°-180°	586.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	506	
5°	501	47
15°	276	81
25°	160	74
35°	117	74
45°	99	77
55°	82	74
65°	62	62
75°	43	46
85°	28	24
90°	22	12
95°	17	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	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	506.4
2.5°	505.7
5°	500.6
7.5°	489.2
10°	457.0
12.5°	369.0
15°	276.1
17.5°	226.7
20°	196.7
22.5°	175.9
25°	160.2
27.5°	147.3
30°	135.2
32.5°	124.4
35°	116.6
37.5°	110.9
40°	106.6
42.5°	103.0
45°	99.4
47.5°	95.8
50°	91.5
52.5°	87.3
55°	82.2
57.5°	78.0
60°	73.0
62.5°	67.2
65°	62.2
67.5°	57.2
70°	52.2
72.5°	47.2
75°	42.9
77.5°	38.6
80°	35.0
82.5°	31.5
85°	27.9
87.5°	25.0
90°	22.2
92.5°	20.0
95°	17.2
97.5°	12.9
100°	8.6
102.5°	5.0
105°	2.9
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)