

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: P229123

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)  
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-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 570.8 lumens  
Efficiency: N/A  
Efficacy: 57.7 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

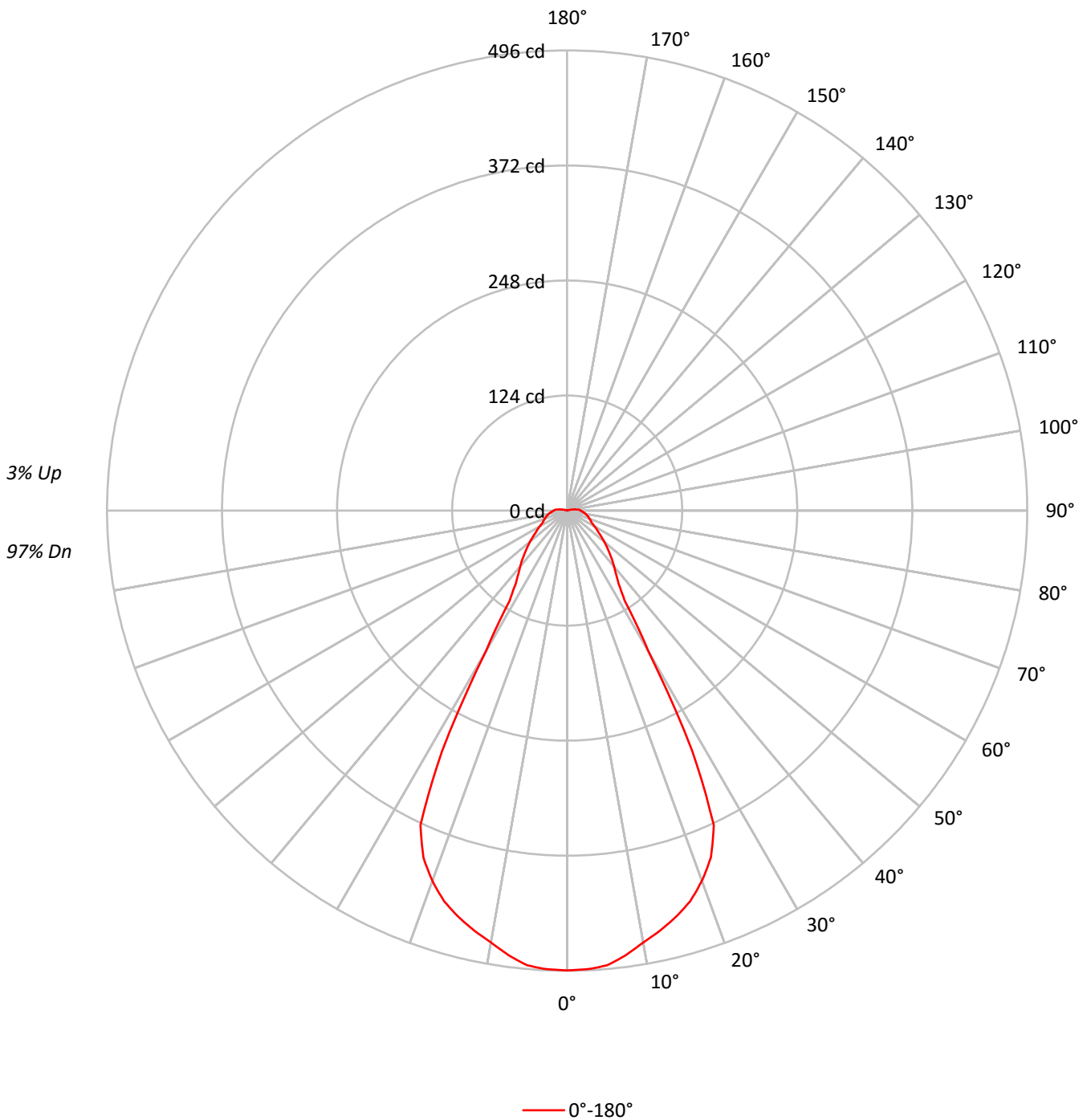
Input Watts (W): 9.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	82	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	32333
5°	28801
10°	25258
15°	22444
20°	19727
25°	16479
30°	7393
35°	3941
40°	3130
45°	2518
50°	2022
55°	1604
60°	1334
65°	1127
70°	1035
75°	950
80°	862
85°	778



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.3	8.1
10°-20°	127.4	22.3
20°-30°	155.4	27.2
30°-40°	65.8	11.5
40°-50°	49.9	8.7
50°-60°	37.8	6.6
60°-70°	28.9	5.1
70°-80°	24.2	4.2
80°-90°	18.7	3.3
90°-100°	12.5	2.2
100°-110°	3.7	0.7
110°-120°	0.3	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°	329.1	57.6
0°-40°	394.8	69.2
0°-60°	482.5	84.5
0°-90°	554.3	97.1
90°-120°	16.5	2.9
90°-150°	16.5	2.9
90°-180°	16.0	2.8
0°-180°	570.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	496	
5°	492	46
15°	453	127
25°	374	155
35°	97	66
45°	64	50
55°	42	38
65°	29	29
75°	23	24
85°	17	15
90°	14	8
95°	12	9
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°	495.6
2.5°	494.9
5°	492.1
7.5°	483.5
10°	472.7
12.5°	463.5
15°	453.4
17.5°	441.3
20°	424.8
22.5°	404.8
25°	374.1
27.5°	291.8
30°	175.2
32.5°	115.1
35°	96.6
37.5°	86.5
40°	78.7
42.5°	71.5
45°	64.4
47.5°	57.9
50°	52.2
52.5°	46.5
55°	41.5
57.5°	37.9
60°	34.3
62.5°	30.8
65°	28.6
67.5°	27.2
70°	25.7
72.5°	24.3
75°	22.9
77.5°	21.5
80°	20.0
82.5°	18.6
85°	17.2
87.5°	15.7
90°	14.3
92.5°	13.6
95°	12.2
97.5°	9.3
100°	7.2
102.5°	5.0
105°	2.9
107.5°	2.1
110°	0.7



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.7
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)