

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: P229139

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9027-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229139  
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-30-D010 / 340-EU6B-3040-9027-6LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1524.8 lumens  
Efficiency: N/A  
Efficacy: 54.5 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

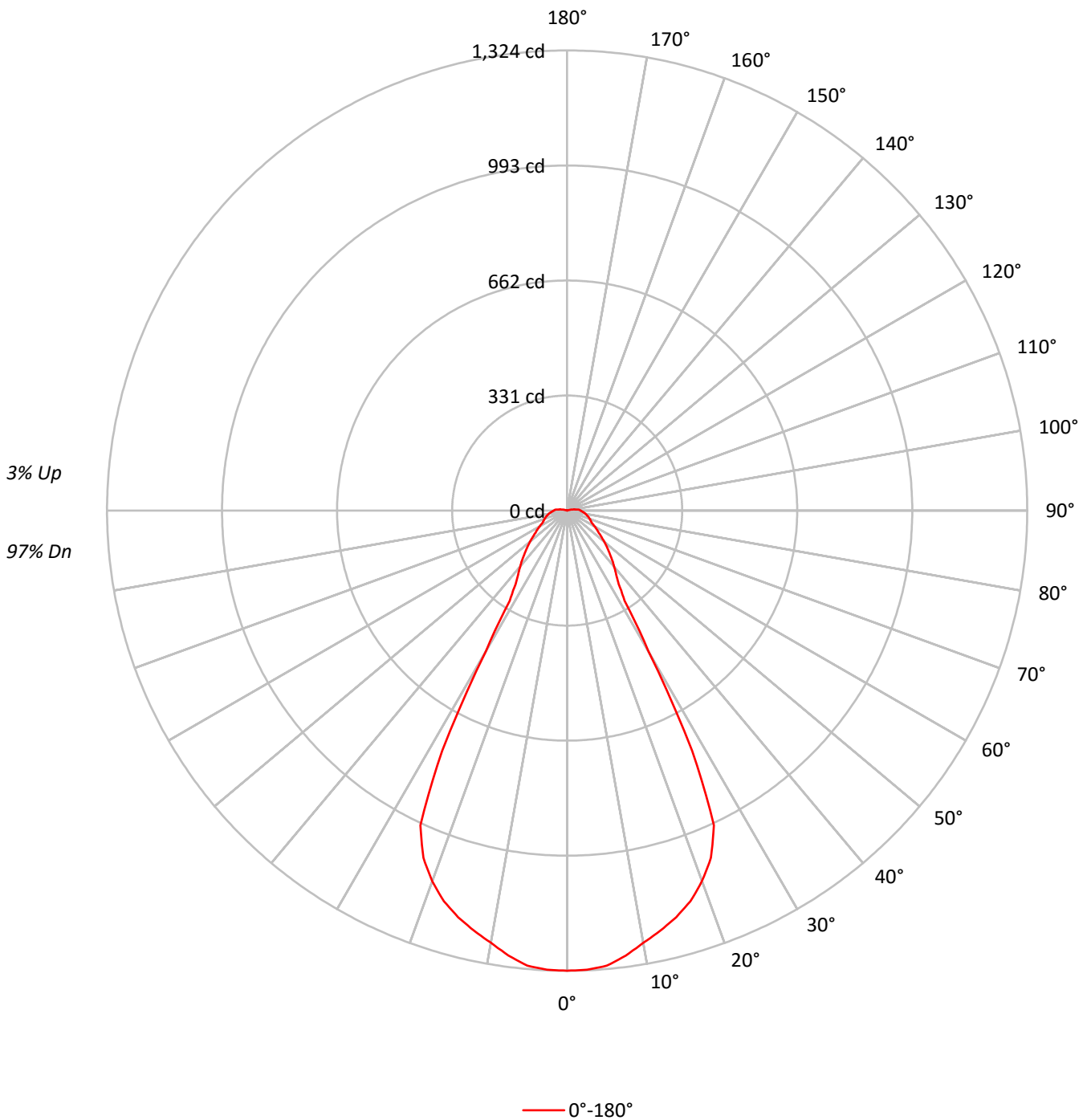
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	83	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°	86379
5°	76926
10°	67475
15°	59962
20°	52699
25°	44014
30°	19753
35°	10521
40°	8361
45°	6720
50°	5402
55°	4283
60°	3566
65°	3011
70°	2771
75°	2535
80°	2307
85°	2077



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.7	8.1
10°-20°	340.3	22.3
20°-30°	415.0	27.2
30°-40°	175.7	11.5
40°-50°	133.3	8.7
50°-60°	101.0	6.6
60°-70°	77.2	5.1
70°-80°	64.6	4.2
80°-90°	50.0	3.3
90°-100°	33.4	2.2
100°-110°	9.9	0.6
110°-120°	0.7	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°	879.0	57.6
0°-40°	1054.7	69.2
0°-60°	1289.0	84.5
0°-90°	1480.8	97.1
90°-120°	44.0	2.9
90°-150°	44.0	2.9
90°-180°	44.0	2.9
0°-180°	1524.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1324	
5°	1314	124
15°	1211	340
25°	999	415
35°	258	176
45°	172	133
55°	111	101
65°	76	77
75°	61	65
85°	46	39
90°	38	21
95°	32	23
105°	8	10
115°	0	1
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°	1324.0
2.5°	1322.1
5°	1314.4
7.5°	1291.5
10°	1262.8
12.5°	1238.0
15°	1211.3
17.5°	1178.8
20°	1134.8
22.5°	1081.3
25°	999.2
27.5°	779.5
30°	468.1
32.5°	307.6
35°	257.9
37.5°	231.2
40°	210.2
42.5°	191.1
45°	171.9
47.5°	154.8
50°	139.5
52.5°	124.2
55°	110.8
57.5°	101.3
60°	91.7
62.5°	82.2
65°	76.4
67.5°	72.6
70°	68.8
72.5°	65.0
75°	61.1
77.5°	57.3
80°	53.5
82.5°	49.7
85°	45.9
87.5°	42.0
90°	38.2
92.5°	36.3
95°	32.5
97.5°	24.8
100°	19.1
102.5°	13.4
105°	7.6
107.5°	5.7
110°	1.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	1.9
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)