

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: P229255

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229255  
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-30-D010 / 340-EU6B-3040-9027-6LBW1LI-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: 1565.7 lumens  
Efficiency: N/A  
Efficacy: 55.9 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

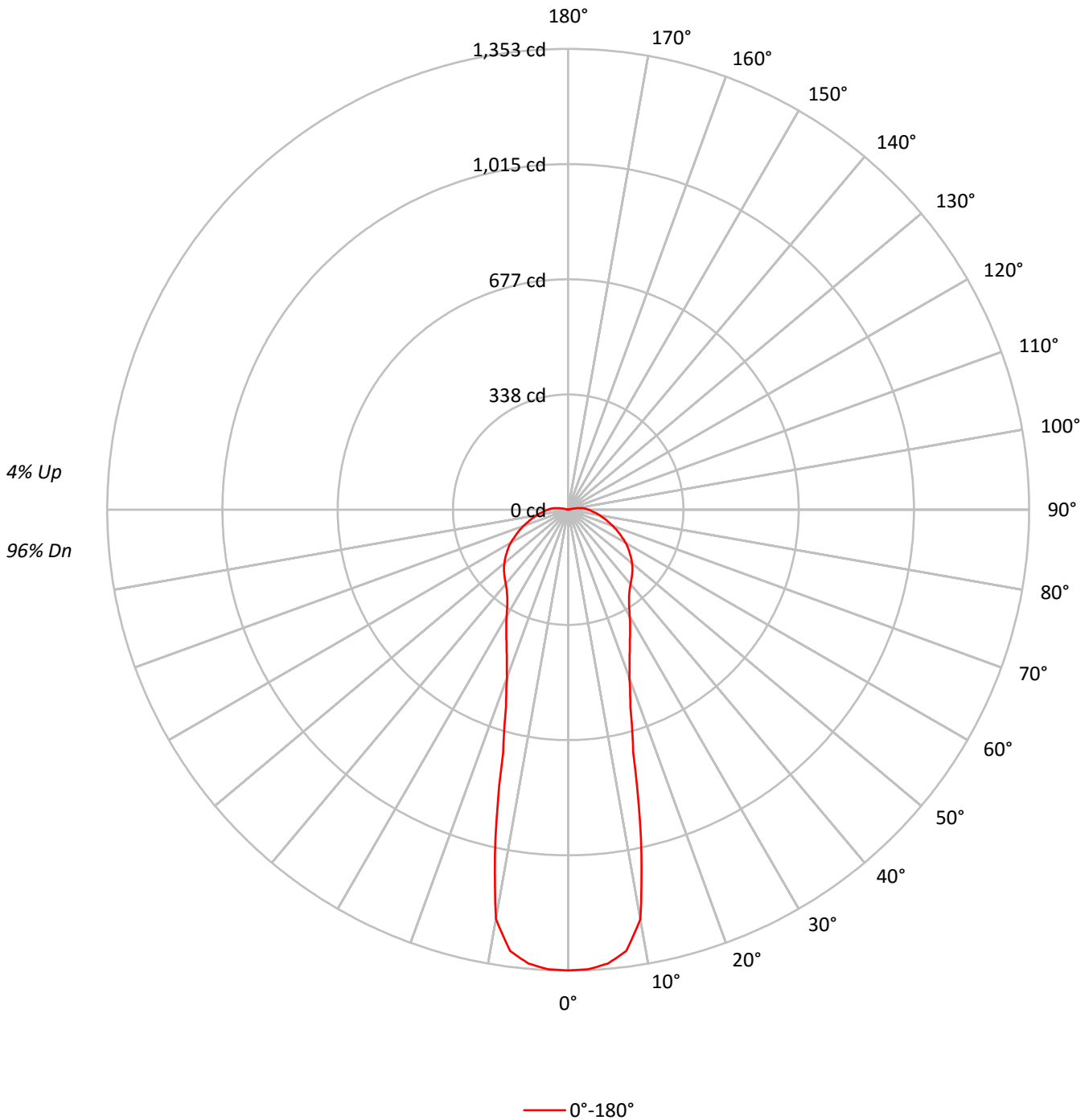
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	88251
5°	78273
10°	65231
15°	36508
20°	24399
25°	18853
30°	15238
35°	12703
40°	11324
45°	10383
50°	9469
55°	8493
60°	7578
65°	6551
70°	5618
75°	4754
80°	4036
85°	3371



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.3	7.9
10°-20°	216.5	13.8
20°-30°	198.6	12.7
30°-40°	197.4	12.6
40°-50°	205.1	13.1
50°-60°	197.1	12.6
60°-70°	164.9	10.5
70°-80°	121.6	7.8
80°-90°	82.3	5.3
90°-100°	47.7	3.0
100°-110°	9.9	0.6
110°-120°	0.2	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°	539.4	34.5
0°-40°	736.8	47.1
0°-60°	1139.0	72.7
0°-90°	1507.8	96.3
90°-120°	57.9	3.7
90°-150°	57.9	3.7
90°-180°	58.0	3.7
0°-180°	1565.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1353	
5°	1337	124
15°	738	216
25°	428	199
35°	311	197
45°	266	205
55°	220	197
65°	166	165
75°	115	122
85°	74	65
90°	59	33
95°	46	32
105°	8	10
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°	1352.7
2.5°	1350.7
5°	1337.4
7.5°	1306.8
10°	1220.8
12.5°	985.8
15°	737.5
17.5°	605.6
20°	525.4
22.5°	470.0
25°	428.0
27.5°	393.6
30°	361.1
32.5°	332.4
35°	311.4
37.5°	296.1
40°	284.7
42.5°	275.1
45°	265.6
47.5°	256.0
50°	244.5
52.5°	233.1
55°	219.7
57.5°	208.2
60°	194.9
62.5°	179.6
65°	166.2
67.5°	152.8
70°	139.5
72.5°	126.1
75°	114.6
77.5°	103.2
80°	93.6
82.5°	84.1
85°	74.5
87.5°	66.9
90°	59.2
92.5°	53.5
95°	45.9
97.5°	34.4
100°	22.9
102.5°	13.4
105°	7.6
107.5°	3.8
110°	1.9



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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)