

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: P229128

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9027-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229128  
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-15-D010 / 340-EU6B-1020-9027-6LBW1LI-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: 756.5 lumens  
Efficiency: N/A  
Efficacy: 53.7 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

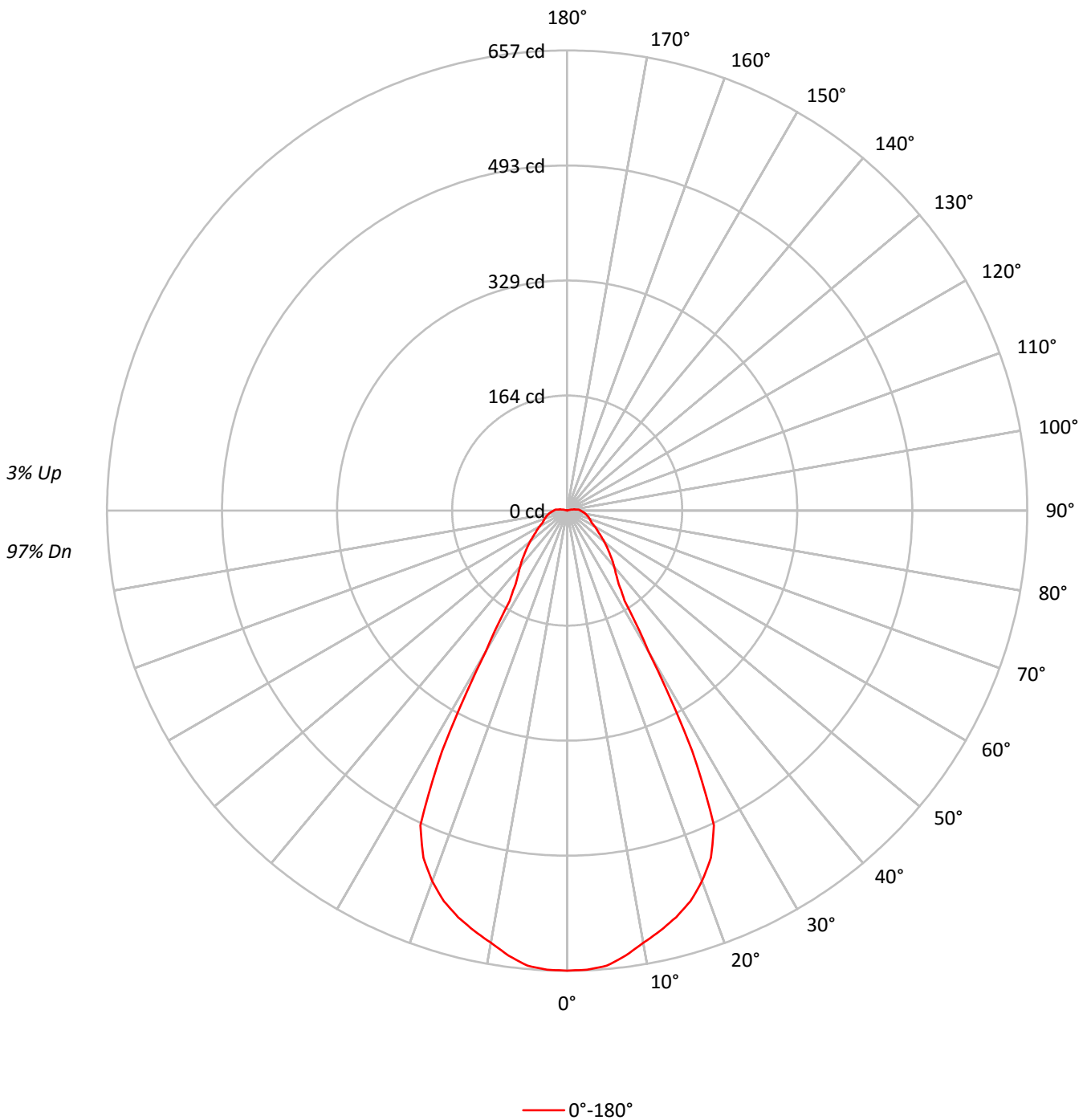
Input Watts (W): 14.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97				97
1	110	106	102	99	107	103	100	97	99	96	93	94	92	90	90	89	87	85				85
2	102	96	90	86	100	94	89	84	90	86	82	86	83	80	83	80	78	76				76
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70	68				68
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62				62
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57				57
6	80	69	62	57	78	68	61	56	66	60	56	64	59	55	63	58	54	53				53
7	75	64	57	52	74	64	57	52	62	56	52	60	55	51	59	54	51	49				49
8	71	60	53	49	70	60	53	48	58	52	48	57	52	48	56	51	47	46				46
9	68	57	50	45	66	56	50	45	55	49	45	54	48	45	53	48	44	43				43
10	64	54	47	43	63	53	47	42	52	46	42	51	46	42	50	45	42	40				40

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

	0°
0°	42857
5°	38171
10°	33481
15°	29751
20°	26150
25°	21840
30°	9798
35°	5222
40°	4148
45°	3335
50°	2680
55°	2126
60°	1769
65°	1494
70°	1373
75°	1257
80°	1143
85°	1032



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.4	8.1
10°-20°	168.8	22.3
20°-30°	205.9	27.2
30°-40°	87.2	11.5
40°-50°	66.2	8.7
50°-60°	50.1	6.6
60°-70°	38.3	5.1
70°-80°	32.0	4.2
80°-90°	24.8	3.3
90°-100°	16.6	2.2
100°-110°	4.9	0.6
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°	436.1	57.7
0°-40°	523.3	69.2
0°-60°	639.6	84.5
0°-90°	734.7	97.1
90°-120°	21.8	2.9
90°-150°	21.8	2.9
90°-180°	22.0	2.9
0°-180°	756.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	657	
5°	652	61
15°	601	169
25°	496	206
35°	128	87
45°	85	66
55°	55	50
65°	38	38
75°	30	32
85°	23	19
90°	19	11
95°	16	11
105°	4	5
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°	656.9
2.5°	656.0
5°	652.2
7.5°	640.8
10°	626.6
12.5°	614.3
15°	601.0
17.5°	584.9
20°	563.1
22.5°	536.5
25°	495.8
27.5°	386.8
30°	232.2
32.5°	152.6
35°	128.0
37.5°	114.7
40°	104.3
42.5°	94.8
45°	85.3
47.5°	76.8
50°	69.2
52.5°	61.6
55°	55.0
57.5°	50.2
60°	45.5
62.5°	40.8
65°	37.9
67.5°	36.0
70°	34.1
72.5°	32.2
75°	30.3
77.5°	28.4
80°	26.5
82.5°	24.6
85°	22.8
87.5°	20.9
90°	19.0
92.5°	18.0
95°	16.1
97.5°	12.3
100°	9.5
102.5°	6.6
105°	3.8
107.5°	2.8
110°	0.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.9
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)