

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: P229149

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229149  
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-40-D010 / 340-EU6B-3040-9050-6LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: (1) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2287.2 lumens  
Efficiency: N/A  
Efficacy: 54.7 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

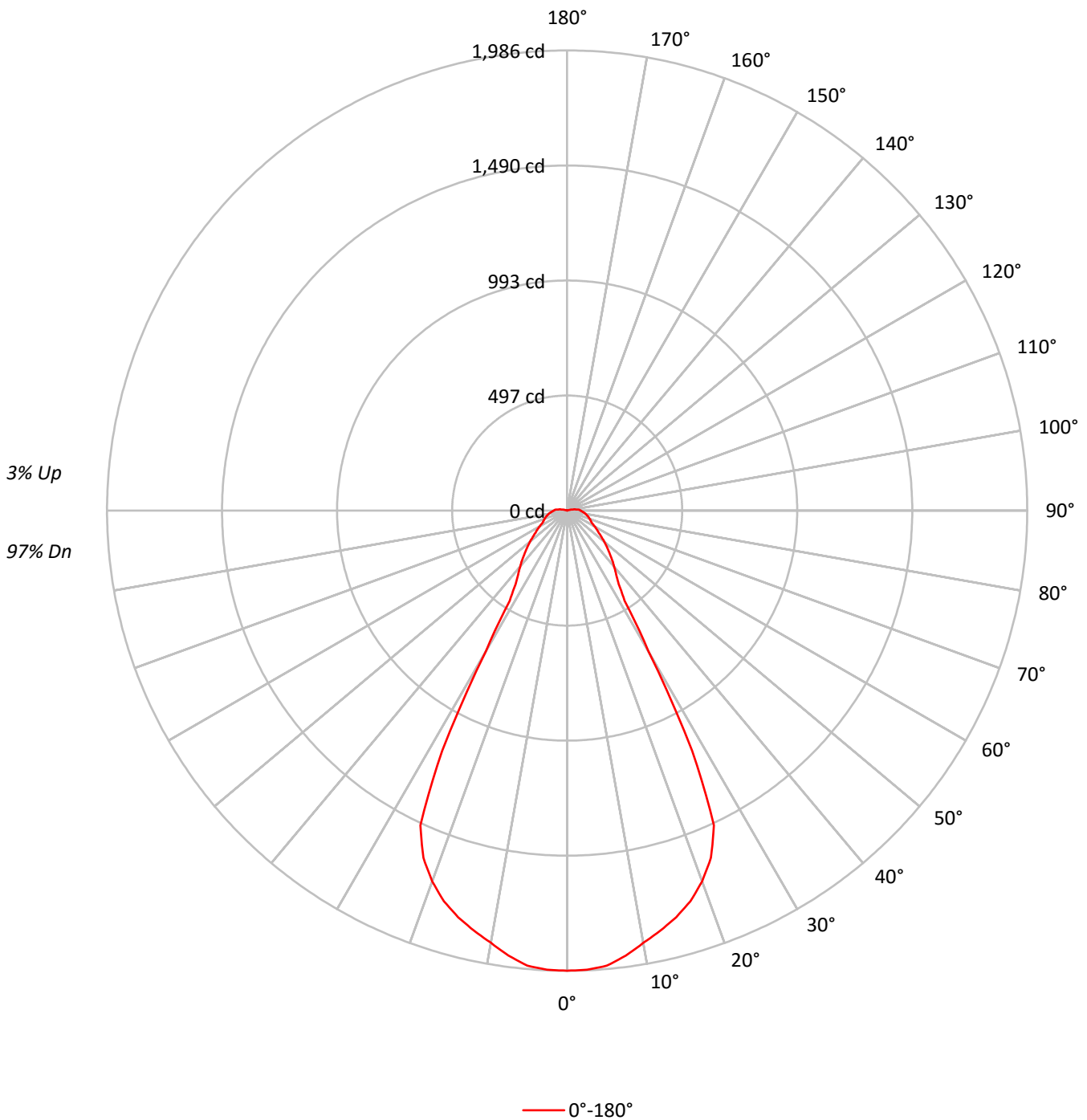
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	129568
5°	115396
10°	101218
15°	89941
20°	79054
25°	66021
30°	29627
35°	15783
40°	12537
45°	10082
50°	8102
55°	6425
60°	5350
65°	4517
70°	4156
75°	3804
80°	3458
85°	3113



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.5	8.1
10°-20°	510.4	22.3
20°-30°	622.5	27.2
30°-40°	263.6	11.5
40°-50°	200.0	8.7
50°-60°	151.4	6.6
60°-70°	115.7	5.1
70°-80°	96.9	4.2
80°-90°	75.0	3.3
90°-100°	50.1	2.2
100°-110°	14.9	0.7
110°-120°	1.1	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°	1318.5	57.6
0°-40°	1582.1	69.2
0°-60°	1933.5	84.5
0°-90°	2221.1	97.1
90°-120°	66.1	2.9
90°-150°	66.1	2.9
90°-180°	66.0	2.9
0°-180°	2287.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1986	
5°	1972	186
15°	1817	510
25°	1499	623
35°	387	264
45°	258	200
55°	166	151
65°	115	116
75°	92	97
85°	69	59
90°	57	32
95°	49	35
105°	12	15
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°	1986.0
2.5°	1983.1
5°	1971.7
7.5°	1937.3
10°	1894.3
12.5°	1857.0
15°	1816.9
17.5°	1768.2
20°	1702.3
22.5°	1622.0
25°	1498.8
27.5°	1169.2
30°	702.1
32.5°	461.4
35°	386.9
37.5°	346.8
40°	315.2
42.5°	286.6
45°	257.9
47.5°	232.1
50°	209.2
52.5°	186.3
55°	166.2
57.5°	151.9
60°	137.6
62.5°	123.2
65°	114.6
67.5°	108.9
70°	103.2
72.5°	97.4
75°	91.7
77.5°	86.0
80°	80.2
82.5°	74.5
85°	68.8
87.5°	63.0
90°	57.3
92.5°	54.5
95°	48.7
97.5°	37.3
100°	28.7
102.5°	20.1
105°	11.5
107.5°	8.6
110°	2.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	2.9
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)