

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: P229231

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-CQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229231  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
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-3040-9024-6LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2035.3 lumens  
Efficiency: N/A  
Efficacy: 48.7 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

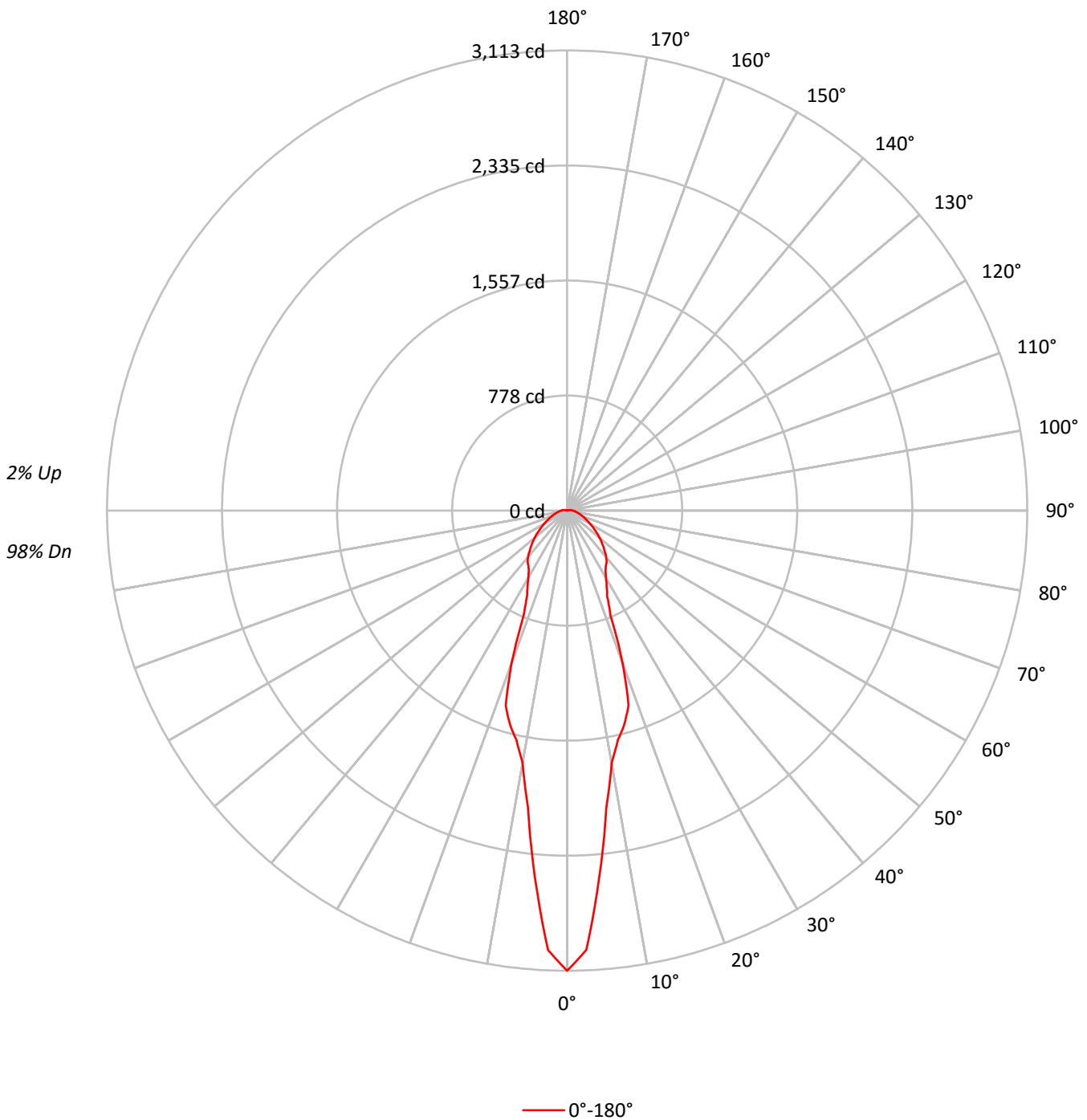
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

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

	0°
0°	203088
5°	145887
10°	92562
15°	74110
20°	50981
25°	28262
30°	22163
35°	18611
40°	16351
45°	13562
50°	11134
55°	8818
60°	7022
65°	5526
70°	4402
75°	3547
80°	2867
85°	2366



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.0	10.5
10°-20°	408.8	20.1
20°-30°	317.3	15.6
30°-40°	288.7	14.2
40°-50°	267.8	13.2
50°-60°	206.1	10.1
60°-70°	141.1	6.9
70°-80°	91.6	4.5
80°-90°	57.0	2.8
90°-100°	33.1	1.6
100°-110°	10.5	0.5
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°	939.2	46.1
0°-40°	1227.9	60.3
0°-60°	1701.9	83.6
0°-90°	1991.5	97.8
90°-120°	43.8	2.2
90°-150°	43.8	2.2
90°-180°	44.0	2.2
0°-180°	2035.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3113	
5°	2493	213
15°	1497	409
25°	642	317
35°	456	289
45°	347	268
55°	228	206
65°	140	141
75°	86	92
85°	52	46
90°	38	21
95°	31	23
105°	10	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°	3112.9
2.5°	2975.1
5°	2492.7
7.5°	2027.0
10°	1732.3
12.5°	1587.4
15°	1497.1
17.5°	1380.6
20°	1097.8
22.5°	767.5
25°	641.6
27.5°	579.8
30°	525.2
32.5°	482.4
35°	456.2
37.5°	439.6
40°	411.1
42.5°	377.8
45°	346.9
47.5°	316.0
50°	287.5
52.5°	256.6
55°	228.1
57.5°	204.4
60°	180.6
62.5°	159.2
65°	140.2
67.5°	125.9
70°	109.3
72.5°	97.4
75°	85.5
77.5°	76.0
80°	66.5
82.5°	59.4
85°	52.3
87.5°	45.1
90°	38.0
92.5°	35.6
95°	30.9
97.5°	26.1
100°	19.0
102.5°	14.3
105°	9.5
107.5°	4.8
110°	2.4



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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)