

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: P229138

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9024-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229138  
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-3040-9024-6LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: (1) 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1341.6 lumens  
Efficiency: N/A  
Efficacy: 47.9 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

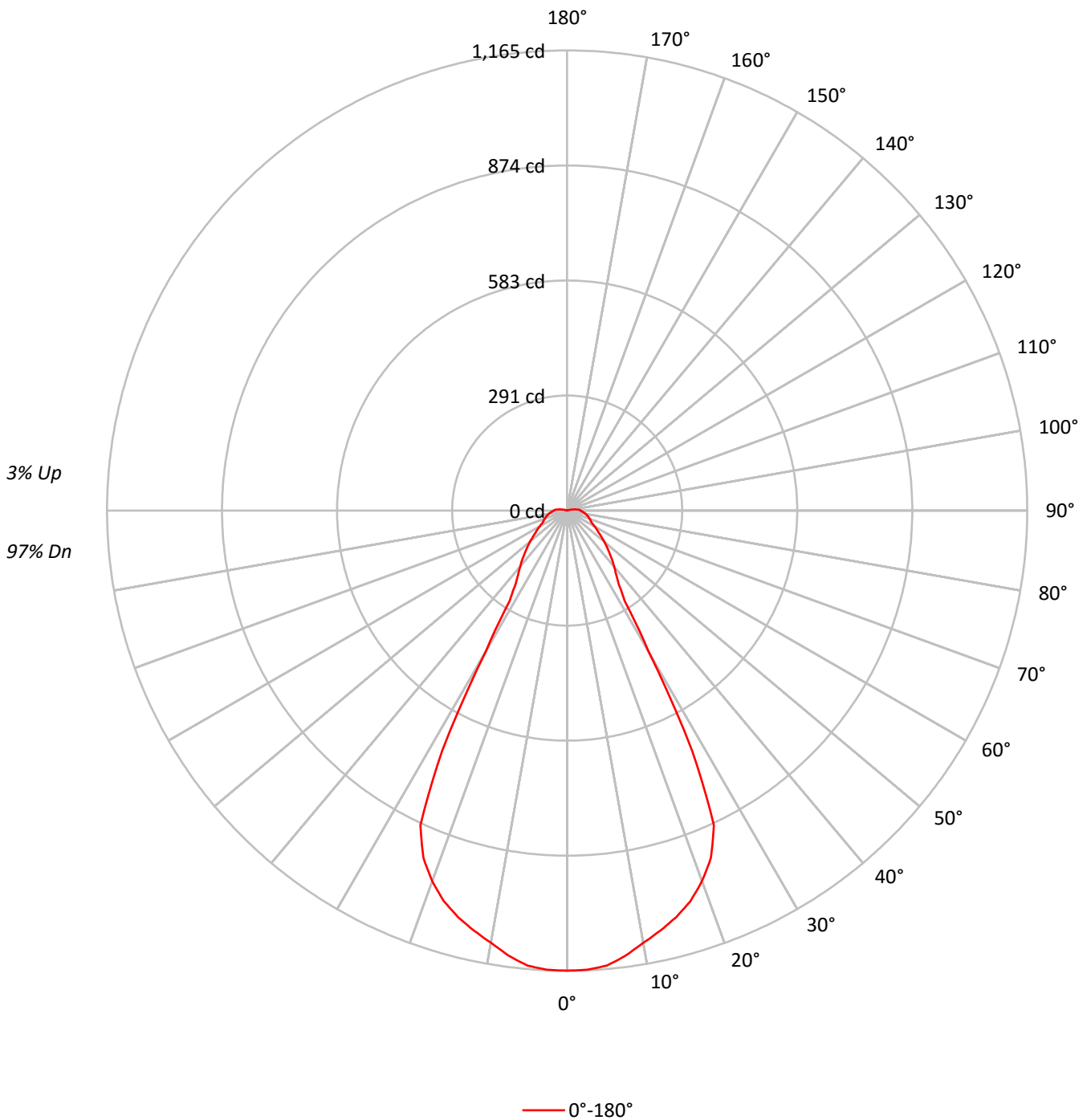
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	75999
5°	67679
10°	59369
15°	52755
20°	46365
25°	38724
30°	17377
35°	9256
40°	7354
45°	5915
50°	4752
55°	3769
60°	3138
65°	2649
70°	2436
75°	2232
80°	2031
85°	1823



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.8	8.1
10°-20°	299.4	22.3
20°-30°	365.1	27.2
30°-40°	154.6	11.5
40°-50°	117.3	8.7
50°-60°	88.8	6.6
60°-70°	67.9	5.1
70°-80°	56.9	4.2
80°-90°	44.0	3.3
90°-100°	29.4	2.2
100°-110°	8.7	0.6
110°-120°	0.6	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°	773.3	57.6
0°-40°	927.9	69.2
0°-60°	1134.1	84.5
0°-90°	1302.8	97.1
90°-120°	38.7	2.9
90°-150°	38.7	2.9
90°-180°	39.0	2.9
0°-180°	1341.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1165	
5°	1156	109
15°	1066	299
25°	879	365
35°	227	155
45°	151	117
55°	98	89
65°	67	68
75°	54	57
85°	40	34
90°	34	19
95°	29	20
105°	7	9
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°	1164.9
2.5°	1163.2
5°	1156.4
7.5°	1136.3
10°	1111.1
12.5°	1089.2
15°	1065.7
17.5°	1037.1
20°	998.4
22.5°	951.4
25°	879.1
27.5°	685.8
30°	411.8
32.5°	270.6
35°	226.9
37.5°	203.4
40°	184.9
42.5°	168.1
45°	151.3
47.5°	136.2
50°	122.7
52.5°	109.3
55°	97.5
57.5°	89.1
60°	80.7
62.5°	72.3
65°	67.2
67.5°	63.9
70°	60.5
72.5°	57.2
75°	53.8
77.5°	50.4
80°	47.1
82.5°	43.7
85°	40.3
87.5°	37.0
90°	33.6
92.5°	31.9
95°	28.6
97.5°	21.9
100°	16.8
102.5°	11.8
105°	6.7
107.5°	5.0
110°	1.7



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	1.7
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)