

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: P229125

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229125  
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-10-D010 / 340-EU6B-1020-9040-6LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 579.9 lumens  
Efficiency: N/A  
Efficacy: 58.6 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

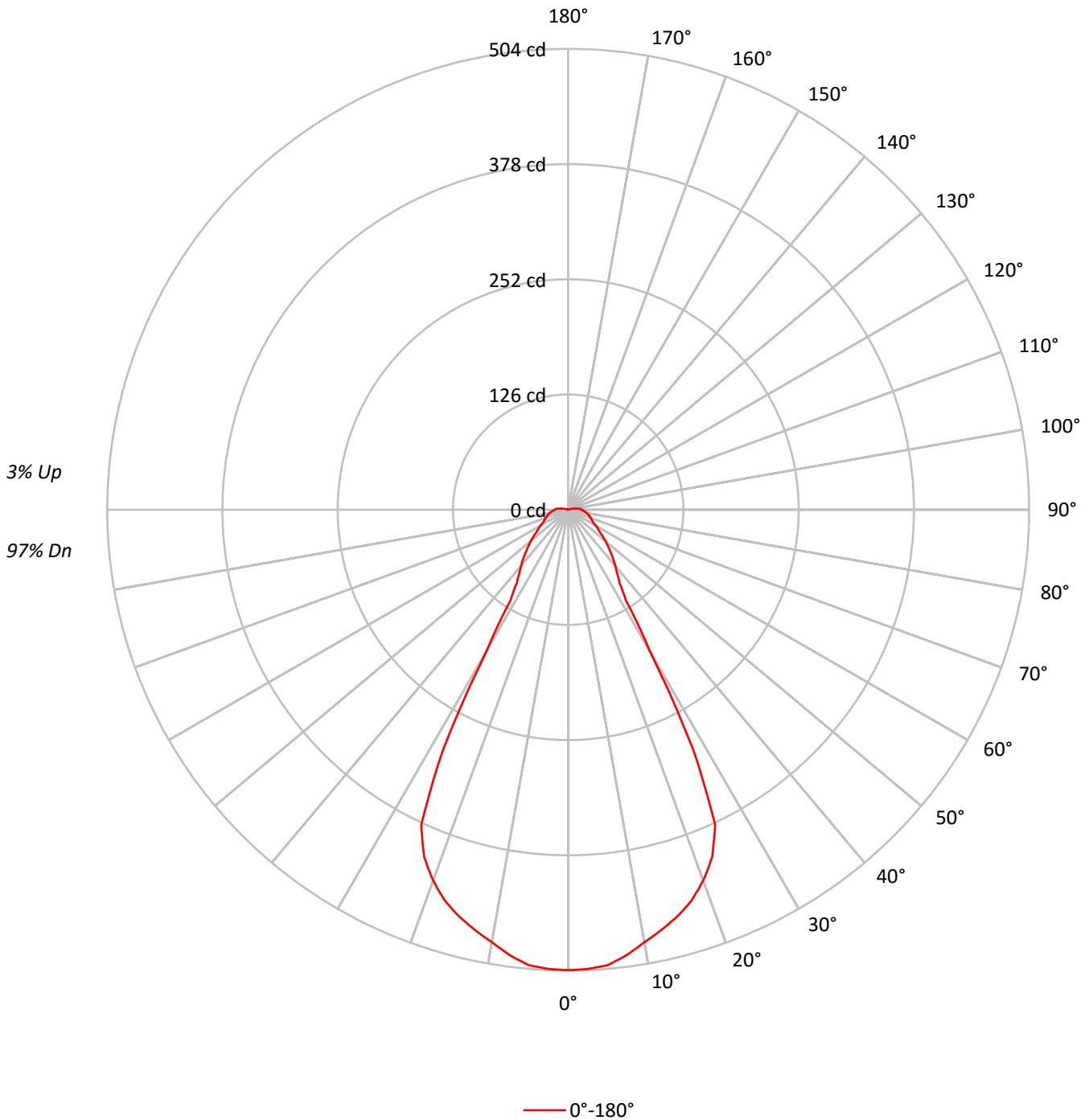
Input Watts (W): 9.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P229125

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

### Luminous Intensity Polar Plot





TEST NUMBER: P229125

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

**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	83	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°	32849
5°	29257
10°	25664
15°	22806
20°	20043
25°	16739
30°	7511
35°	4002
40°	3178
45°	2557
50°	2053
55°	1627
60°	1357
65°	1147
70°	1055
75°	967
80°	875
85°	787



TEST NUMBER: P229125

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.0	8.1
10°-20°	129.4	22.3
20°-30°	157.8	27.2
30°-40°	66.8	11.5
40°-50°	50.7	8.7
50°-60°	38.4	6.6
60°-70°	29.3	5.1
70°-80°	24.6	4.2
80°-90°	19.0	3.3
90°-100°	12.7	2.2
100°-110°	3.8	0.7
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°	334.3	57.6
0°-40°	401.1	69.2
0°-60°	490.2	84.5
0°-90°	563.1	97.1
90°-120°	16.7	2.9
90°-150°	16.7	2.9
90°-180°	17.0	2.9
0°-180°	579.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	504	
5°	500	47
15°	461	129
25°	380	158
35°	98	67
45°	65	51
55°	42	38
65°	29	29
75°	23	25
85°	17	15
90°	14	8
95°	12	9
105°	3	4
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



TEST NUMBER: P229125

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	503.5
2.5°	502.8
5°	499.9
7.5°	491.2
10°	480.3
12.5°	470.8
15°	460.7
17.5°	448.3
20°	431.6
22.5°	411.2
25°	380.0
27.5°	296.4
30°	178.0
32.5°	117.0
35°	98.1
37.5°	87.9
40°	79.9
42.5°	72.7
45°	65.4
47.5°	58.9
50°	53.0
52.5°	47.2
55°	42.1
57.5°	38.5
60°	34.9
62.5°	31.2
65°	29.1
67.5°	27.6
70°	26.2
72.5°	24.7
75°	23.3
77.5°	21.8
80°	20.3
82.5°	18.9
85°	17.4
87.5°	16.0
90°	14.5
92.5°	13.8
95°	12.4
97.5°	9.4
100°	7.3
102.5°	5.1
105°	2.9
107.5°	2.2
110°	0.7



TEST NUMBER: P229125

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-FF

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.7
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)