

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: P229134

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9030-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229134  
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-20-D010 / 340-EU6B-1020-9030-6LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1093.8 lumens  
Efficiency: N/A  
Efficacy: 52.6 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

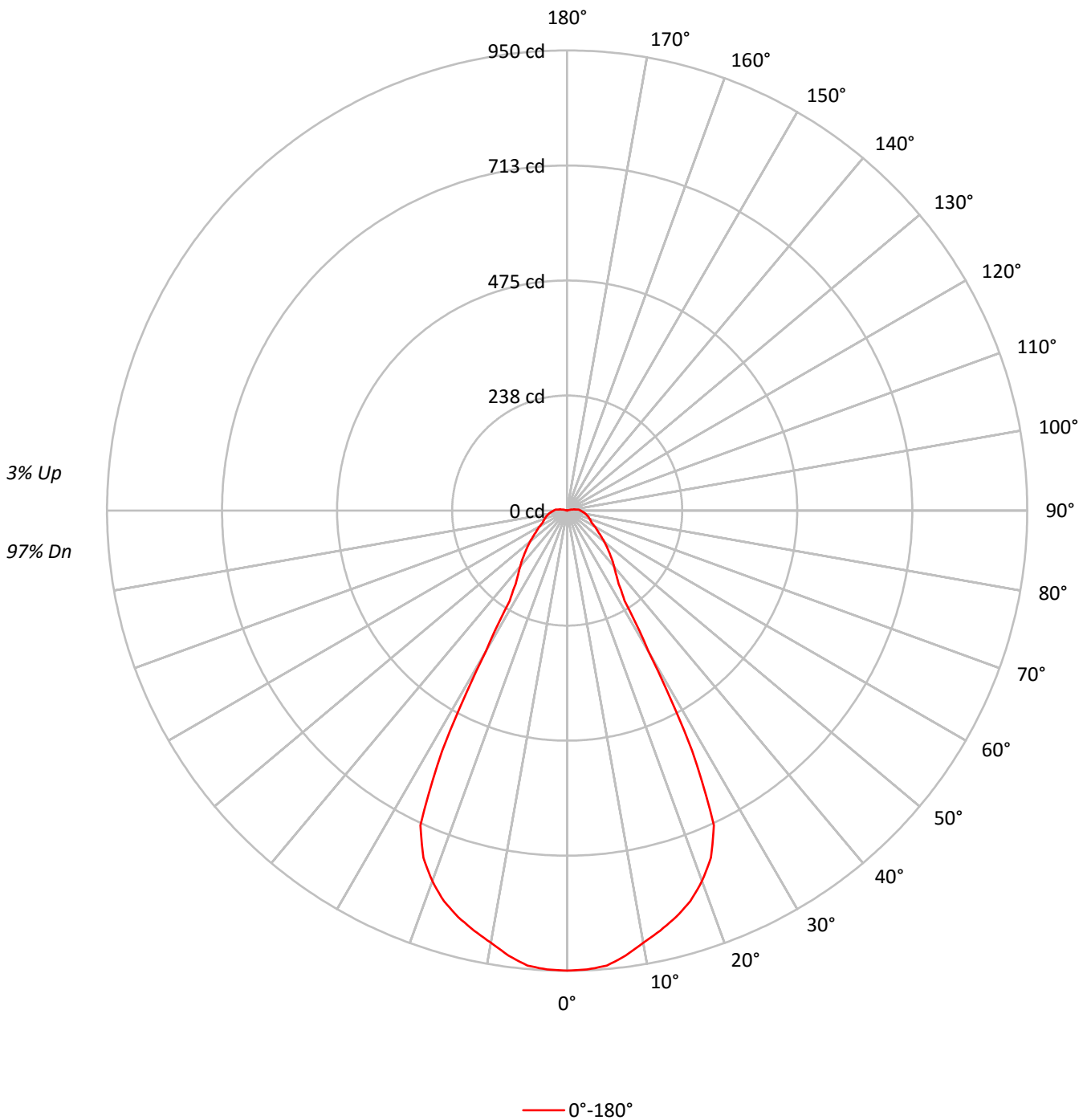
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P229134

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9030-6LBW1LI-FF

### Luminous Intensity Polar Plot





TEST NUMBER: P229134

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9030-6LBW1LI-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	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°	61959
5°	55184
10°	48405
15°	43012
20°	37806
25°	31574
30°	14170
35°	7547
40°	5998
45°	4820
50°	3873
55°	3073
60°	2559
65°	2160
70°	1985
75°	1821
80°	1656
85°	1488



TEST NUMBER: P229134

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9030-6LBW1LI-FF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.7	8.1
10°-20°	244.1	22.3
20°-30°	297.7	27.2
30°-40°	126.0	11.5
40°-50°	95.6	8.7
50°-60°	72.4	6.6
60°-70°	55.3	5.1
70°-80°	46.4	4.2
80°-90°	35.9	3.3
90°-100°	23.9	2.2
100°-110°	7.1	0.7
110°-120°	0.5	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°	630.6	57.6
0°-40°	756.6	69.2
0°-60°	924.6	84.5
0°-90°	1062.2	97.1
90°-120°	31.6	2.9
90°-150°	31.6	2.9
90°-180°	32.0	2.9
0°-180°	1093.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	950	
5°	943	89
15°	869	244
25°	717	298
35°	185	126
45°	123	96
55°	80	72
65°	55	55
75°	44	46
85°	33	28
90°	27	15
95°	23	17
105°	6	7
115°	0	1
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



TEST NUMBER: P229134

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9030-6LBW1LI-FF

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	949.7
2.5°	948.4
5°	942.9
7.5°	926.4
10°	905.9
12.5°	888.1
15°	868.9
17.5°	845.6
20°	814.1
22.5°	775.7
25°	716.8
27.5°	559.2
30°	335.8
32.5°	220.6
35°	185.0
37.5°	165.8
40°	150.8
42.5°	137.0
45°	123.3
47.5°	111.0
50°	100.0
52.5°	89.1
55°	79.5
57.5°	72.6
60°	65.8
62.5°	58.9
65°	54.8
67.5°	52.1
70°	49.3
72.5°	46.6
75°	43.9
77.5°	41.1
80°	38.4
82.5°	35.6
85°	32.9
87.5°	30.2
90°	27.4
92.5°	26.0
95°	23.3
97.5°	17.8
100°	13.7
102.5°	9.6
105°	5.5
107.5°	4.1
110°	1.4



TEST NUMBER: P229134

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9030-6LBW1LI-FF

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	1.4
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)