

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: P229310

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GCC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229310  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-16)  
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-1020-9040-6LBW1LI-GCC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,  
CLEAR OUTSIDE GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1382.7 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.89  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

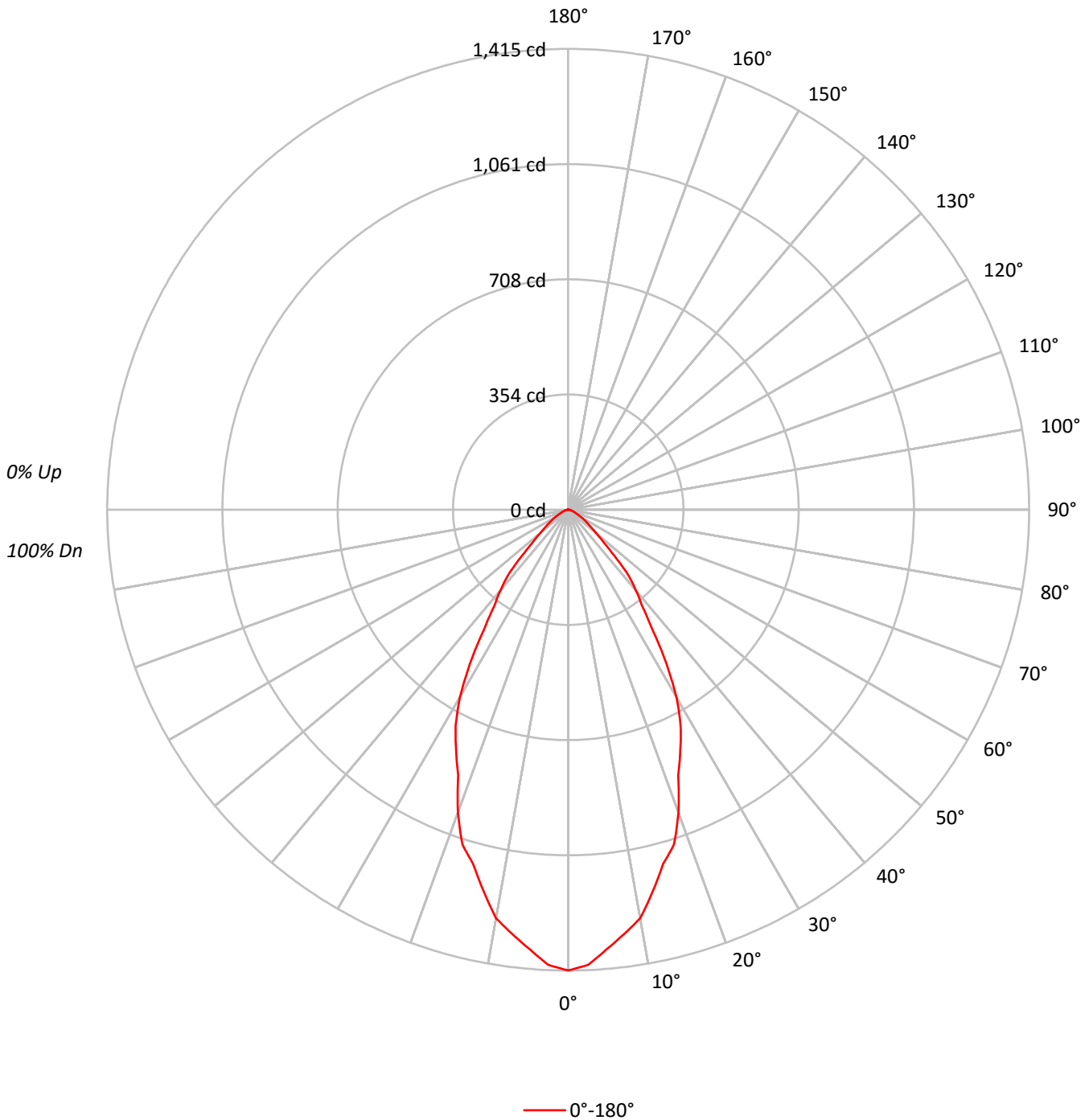
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P229310

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GCC

### Luminous Intensity Polar Plot





TEST NUMBER: P229310

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GCC

**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	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	101	96	92	104	99	95	91	95	92	89		92	90	87		90	87	85	83
3	100	93	87	83	98	91	86	82	88	84	81		86	82	79		84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	74	71	70
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57		66	60	57		64	60	56	55
8	75	64	58	53	74	64	58	53	63	57	53		62	56	53		61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54	49	46	44

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

	0°
0°	92289
5°	88719
10°	84392
15°	76079
20°	68726
25°	58632
30°	50029
35°	36039
40°	27508
45°	18499
50°	11449
55°	8235
60°	5989
65°	4091
70°	3453
75°	2798
80°	2630
85°	2096



TEST NUMBER: P229310

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GCC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.9	9.2
10°-20°	317.7	23.0
20°-30°	374.5	27.1
30°-40°	291.1	21.1
40°-50°	159.7	11.6
50°-60°	66.6	4.8
60°-70°	28.2	2.0
70°-80°	12.1	0.9
80°-90°	3.4	0.2
90°-100°	1.5	0.1
100°-110°	0.9	0.1
110°-120°	0.0	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°	819.1	59.2
0°-40°	1110.2	80.3
0°-60°	1336.5	96.7
0°-90°	1380.3	99.8
90°-120°	2.5	0.2
90°-150°	2.5	0.2
90°-180°	2.0	0.1
0°-180°	1382.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1415	
5°	1355	127
15°	1126	318
25°	814	375
35°	452	291
45°	200	160
55°	72	67
65°	26	28
75°	11	12
85°	3	3
90°	1	1
95°	1	1
105°	1	1
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: P229310

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GCC

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1414.6
2.5°	1399.2
5°	1354.7
7.5°	1314.3
10°	1273.9
12.5°	1200.1
15°	1126.4
17.5°	1079.0
20°	989.9
22.5°	882.7
25°	814.5
27.5°	747.7
30°	664.1
32.5°	562.5
35°	452.5
37.5°	373.1
40°	323.0
42.5°	274.3
45°	200.5
47.5°	144.8
50°	112.8
52.5°	89.1
55°	72.4
57.5°	58.5
60°	45.9
62.5°	33.4
65°	26.5
67.5°	22.3
70°	18.1
72.5°	13.9
75°	11.1
77.5°	8.4
80°	7.0
82.5°	4.2
85°	2.8
87.5°	1.4
90°	1.4
92.5°	1.4
95°	1.4
97.5°	1.4
100°	1.4
102.5°	1.4
105°	1.4
107.5°	0.0
110°	0.0



TEST NUMBER: P229310

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GCC

**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)