

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: P229307

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9027-6LBW1LI-GCC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229307  
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-1020-9027-6LBW1LI-GCC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,  
CLEAR OUTSIDE GLASS KIT.  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1308.6 lumens  
Efficiency: N/A  
Efficacy: 62.9 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

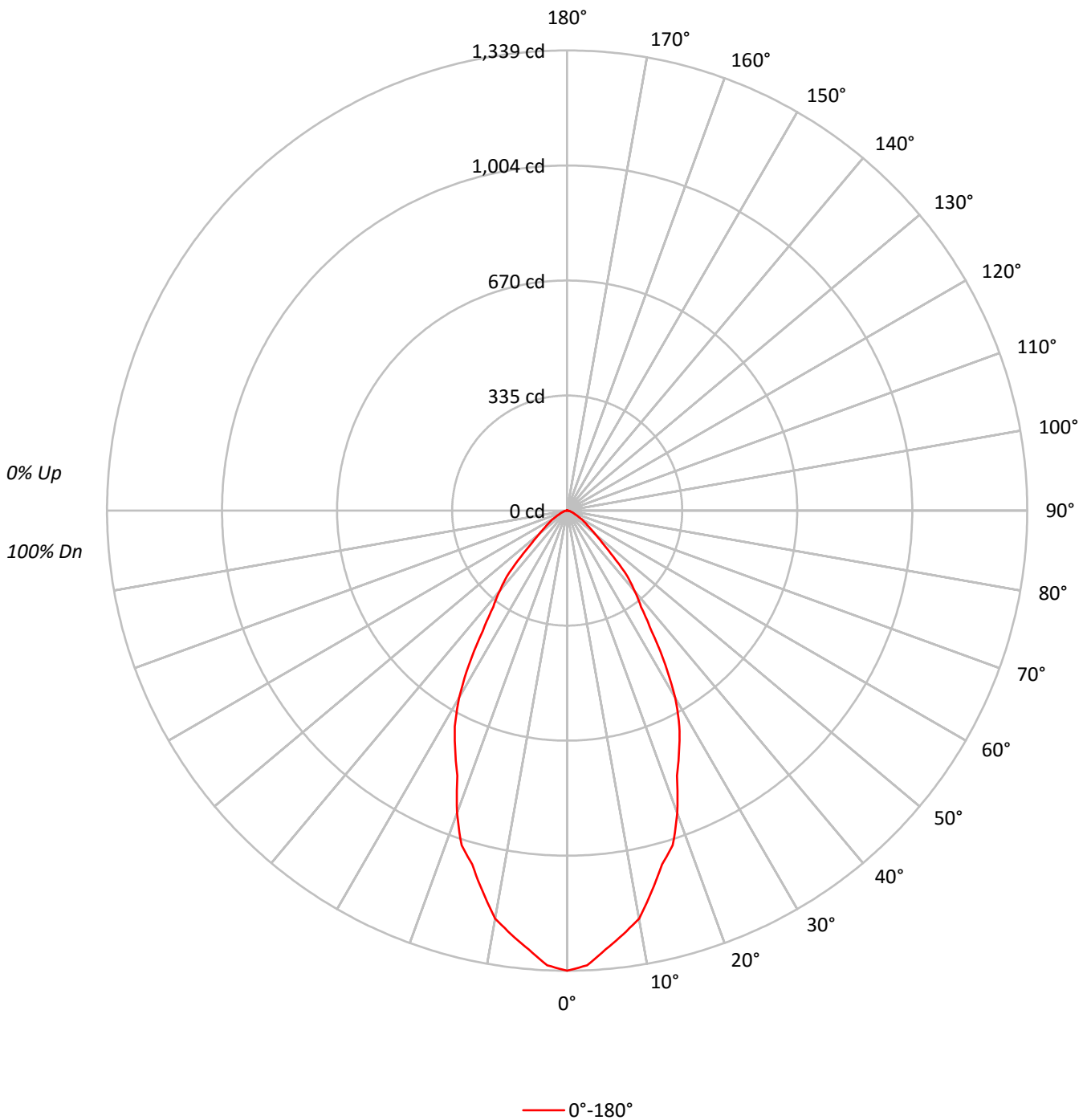
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	96	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	75	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°	87344
5°	83971
10°	79881
15°	72007
20°	65047
25°	55493
30°	47355
35°	34112
40°	26035
45°	17512
50°	10830
55°	7791
60°	5676
65°	3859
70°	3262
75°	2647
80°	2480
85°	1946



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.1	9.2
10°-20°	300.7	23.0
20°-30°	354.5	27.1
30°-40°	275.6	21.1
40°-50°	151.2	11.6
50°-60°	63.0	4.8
60°-70°	26.6	2.0
70°-80°	11.5	0.9
80°-90°	3.2	0.2
90°-100°	1.4	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°	775.3	59.2
0°-40°	1050.8	80.3
0°-60°	1265.0	96.7
0°-90°	1306.3	99.8
90°-120°	2.3	0.2
90°-150°	2.3	0.2
90°-180°	2.0	0.2
0°-180°	1308.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1339	
5°	1282	120
15°	1066	301
25°	771	354
35°	428	276
45°	190	151
55°	68	63
65°	25	27
75°	10	11
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



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1338.8
2.5°	1324.4
5°	1282.2
7.5°	1244.0
10°	1205.8
12.5°	1135.9
15°	1066.1
17.5°	1021.3
20°	936.9
22.5°	835.5
25°	770.9
27.5°	707.6
30°	628.6
32.5°	532.4
35°	428.3
37.5°	353.2
40°	305.7
42.5°	259.6
45°	189.8
47.5°	137.0
50°	106.7
52.5°	84.3
55°	68.5
57.5°	55.3
60°	43.5
62.5°	31.6
65°	25.0
67.5°	21.1
70°	17.1
72.5°	13.2
75°	10.5
77.5°	7.9
80°	6.6
82.5°	4.0
85°	2.6
87.5°	1.3
90°	1.3
92.5°	1.3
95°	1.3
97.5°	1.3
100°	1.3
102.5°	1.3
105°	1.3
107.5°	0.0
110°	0.0



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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)