

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: P229306

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9024-6LBW1LI-GCC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229306  
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-1020-9024-6LBW1LI-GCC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE, CLEAR OUTSIDE GLASS KIT.  
Light Source: (1) 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1151.5 lumens  
Efficiency: N/A  
Efficacy: 55.4 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

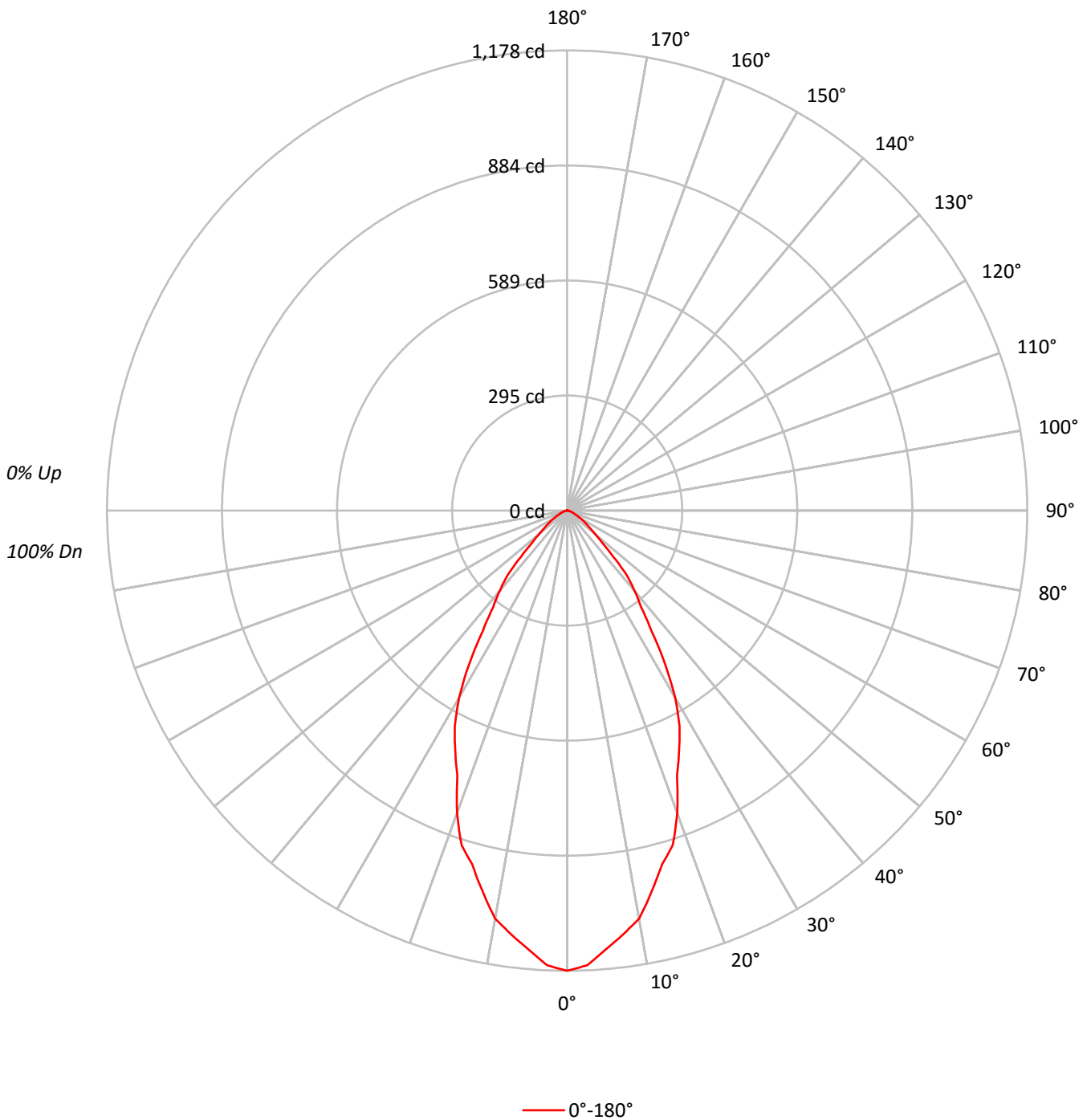
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	92	89		92	90	87		90	87	85	83
3	100	93	87	83	98	91	86	82	88	84	80		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°	76847
5°	73879
10°	70275
15°	63348
20°	57229
25°	48820
30°	41659
35°	30010
40°	22910
45°	15408
50°	9531
55°	6859
60°	4997
65°	3396
70°	2880
75°	2344
80°	2179
85°	1722



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.7	9.2
10°-20°	264.5	23.0
20°-30°	311.8	27.1
30°-40°	242.4	21.1
40°-50°	133.0	11.6
50°-60°	55.5	4.8
60°-70°	23.5	2.0
70°-80°	10.1	0.9
80°-90°	2.9	0.2
90°-100°	1.3	0.1
100°-110°	0.8	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°	682.1	59.2
0°-40°	924.5	80.3
0°-60°	1113.0	96.7
0°-90°	1149.4	99.8
90°-120°	2.1	0.2
90°-150°	2.1	0.2
90°-180°	2.0	0.2
0°-180°	1151.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1178	
5°	1128	106
15°	938	265
25°	678	312
35°	377	242
45°	167	133
55°	60	55
65°	22	23
75°	9	10
85°	2	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°	1177.9
2.5°	1165.2
5°	1128.1
7.5°	1094.5
10°	1060.8
12.5°	999.4
15°	937.9
17.5°	898.5
20°	824.3
22.5°	735.0
25°	678.2
27.5°	622.6
30°	553.0
32.5°	468.4
35°	376.8
37.5°	310.7
40°	269.0
42.5°	228.4
45°	167.0
47.5°	120.6
50°	93.9
52.5°	74.2
55°	60.3
57.5°	48.7
60°	38.3
62.5°	27.8
65°	22.0
67.5°	18.6
70°	15.1
72.5°	11.6
75°	9.3
77.5°	7.0
80°	5.8
82.5°	3.5
85°	2.3
87.5°	1.2
90°	1.2
92.5°	1.2
95°	1.2
97.5°	1.2
100°	1.2
102.5°	1.2
105°	1.2
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)