

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: P229277

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)  
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-GFC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED 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: 1019.6 lumens  
Efficiency: N/A  
Efficacy: 49.0 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

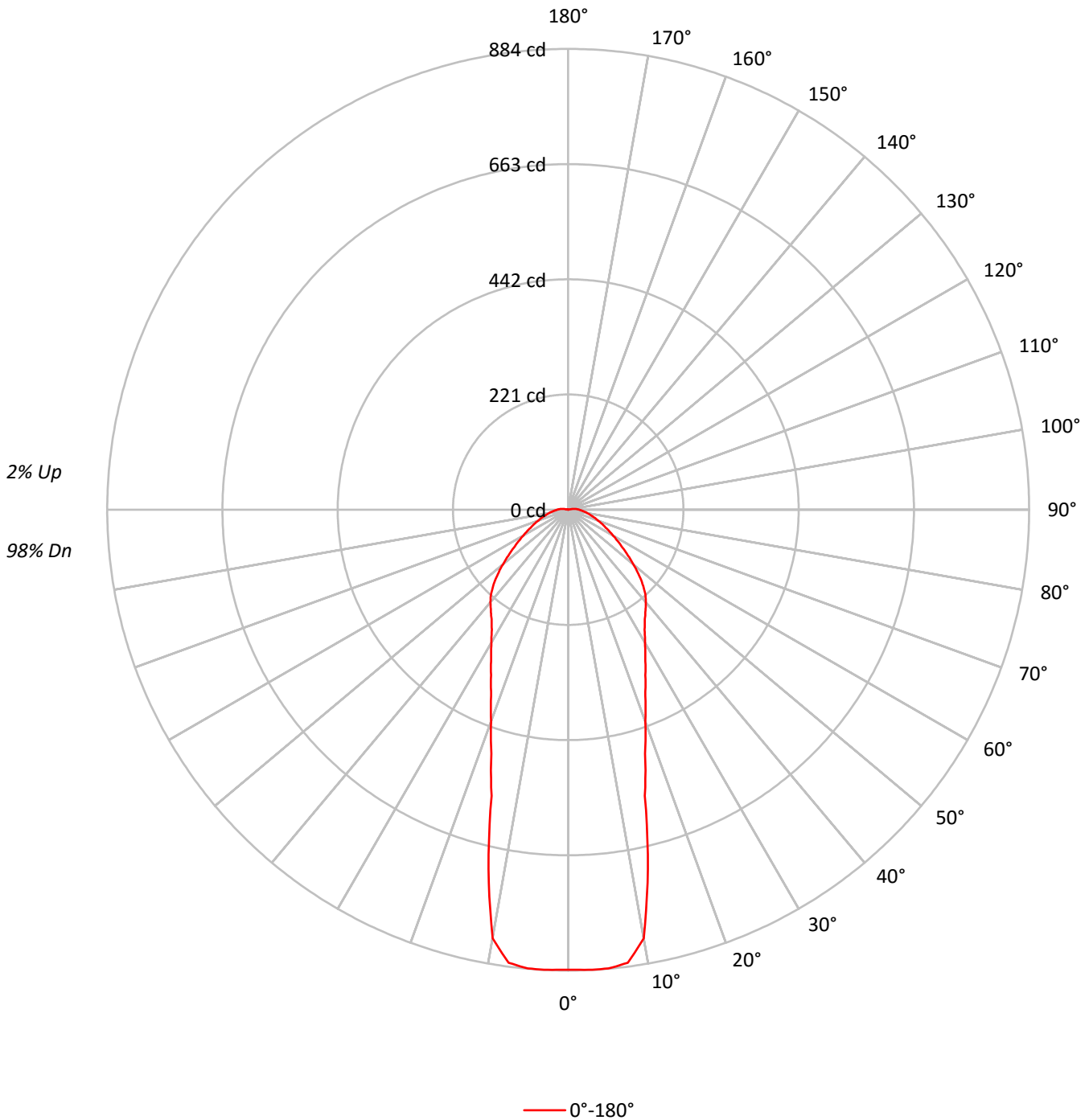
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110		105	105	105		100	100	100	98
1	109	105	101	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

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

	0°
0°	57562
5°	51708
10°	44606
15°	28122
20°	20085
25°	15422
30°	12427
35°	10452
40°	9224
45°	7885
50°	6332
55°	4929
60°	3877
65°	3063
70°	2473
75°	1971
80°	1600
85°	1258



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.1	8.1
10°-20°	164.0	16.1
20°-30°	162.4	15.9
30°-40°	161.9	15.9
40°-50°	154.5	15.2
50°-60°	115.3	11.3
60°-70°	78.2	7.7
70°-80°	50.9	5.0
80°-90°	31.0	3.0
90°-100°	16.2	1.6
100°-110°	2.2	0.2
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°	409.5	40.2
0°-40°	571.4	56.0
0°-60°	841.1	82.5
0°-90°	1001.2	98.2
90°-120°	18.4	1.8
90°-150°	18.4	1.8
90°-180°	18.0	1.8
0°-180°	1019.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	882	
5°	884	83
15°	568	164
25°	350	162
35°	256	162
45°	202	154
55°	128	115
65°	78	78
75°	48	51
85°	28	25
90°	21	12
95°	15	11
105°	1	2
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°	882.3
2.5°	883.5
5°	883.5
7.5°	876.5
10°	834.8
12.5°	706.1
15°	568.1
17.5°	490.4
20°	432.5
22.5°	386.1
25°	350.1
27.5°	320.0
30°	294.5
32.5°	272.5
35°	256.2
37.5°	243.5
40°	231.9
42.5°	219.1
45°	201.7
47.5°	183.2
50°	163.5
52.5°	144.9
55°	127.5
57.5°	112.5
60°	99.7
62.5°	88.1
65°	77.7
67.5°	69.6
70°	61.4
72.5°	54.5
75°	47.5
77.5°	41.7
80°	37.1
82.5°	32.5
85°	27.8
87.5°	24.3
90°	20.9
92.5°	18.6
95°	15.1
97.5°	11.6
100°	7.0
102.5°	3.5
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)