

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: P229224

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9050-6LBW1LI-CQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229224  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
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-1020-9050-6LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: (1) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1197.7 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

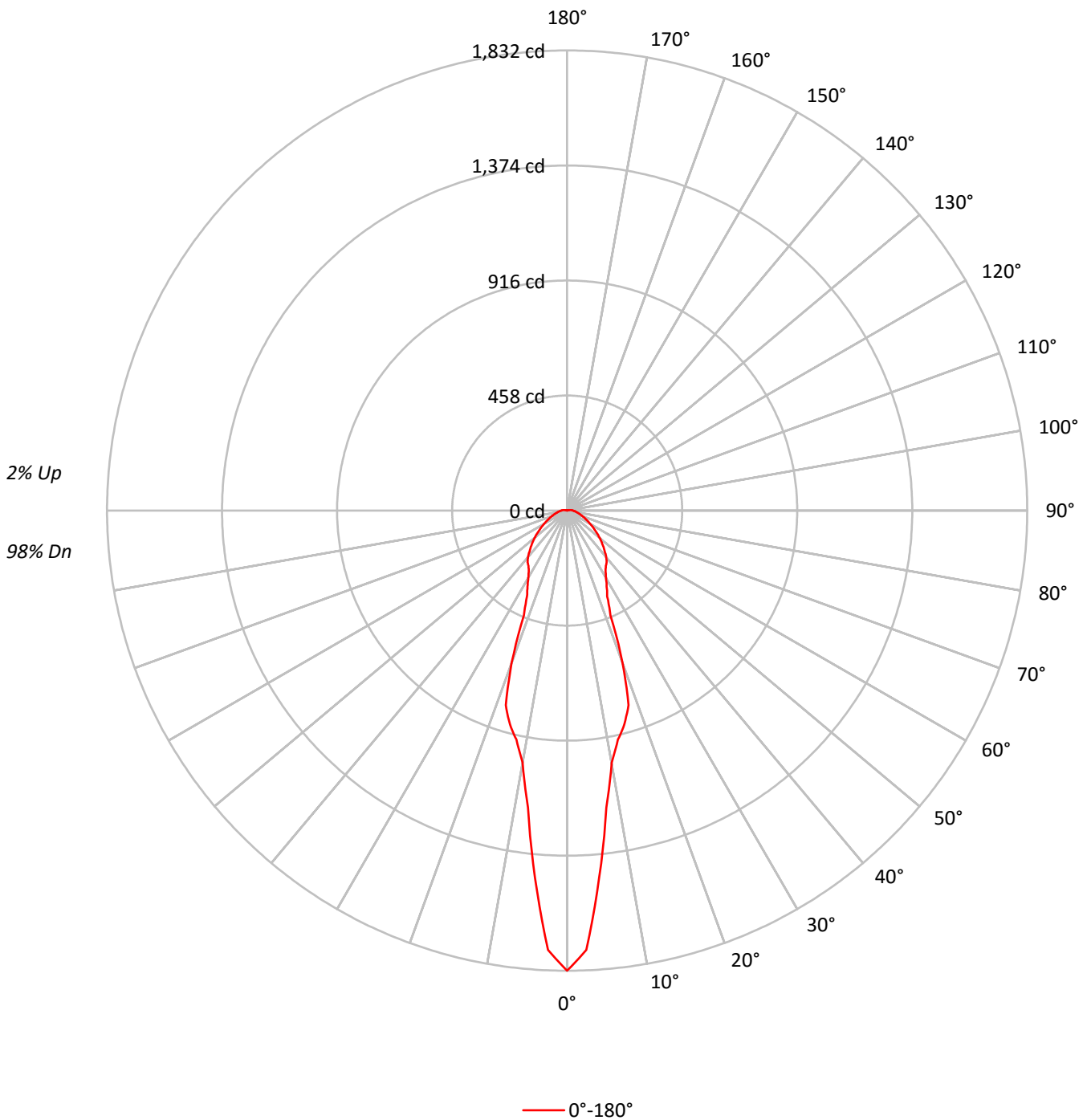
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110		105	105	105		100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

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

	0°
0°	119501
5°	85840
10°	54464
15°	43607
20°	30000
25°	16629
30°	13039
35°	10953
40°	9621
45°	7979
50°	6553
55°	5188
60°	4133
65°	3252
70°	2589
75°	2087
80°	1690
85°	1393



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.4	10.5
10°-20°	240.6	20.1
20°-30°	186.7	15.6
30°-40°	169.9	14.2
40°-50°	157.6	13.2
50°-60°	121.3	10.1
60°-70°	83.0	6.9
70°-80°	53.9	4.5
80°-90°	33.6	2.8
90°-100°	19.5	1.6
100°-110°	6.1	0.5
110°-120°	0.2	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°	552.7	46.1
0°-40°	722.5	60.3
0°-60°	1001.4	83.6
0°-90°	1171.9	97.8
90°-120°	25.8	2.2
90°-150°	25.8	2.2
90°-180°	26.0	2.2
0°-180°	1197.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1832	
5°	1467	125
15°	881	241
25°	378	187
35°	268	170
45°	204	158
55°	134	121
65°	82	83
75°	50	54
85°	31	27
90°	22	13
95°	18	14
105°	6	6
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°	1831.7
2.5°	1750.6
5°	1466.7
7.5°	1192.7
10°	1019.3
12.5°	934.0
15°	880.9
17.5°	812.4
20°	646.0
22.5°	451.6
25°	377.5
27.5°	341.2
30°	309.0
32.5°	283.8
35°	268.5
37.5°	258.7
40°	241.9
42.5°	222.3
45°	204.1
47.5°	186.0
50°	169.2
52.5°	151.0
55°	134.2
57.5°	120.2
60°	106.3
62.5°	93.7
65°	82.5
67.5°	74.1
70°	64.3
72.5°	57.3
75°	50.3
77.5°	44.7
80°	39.2
82.5°	35.0
85°	30.8
87.5°	26.6
90°	22.4
92.5°	21.0
95°	18.2
97.5°	15.4
100°	11.2
102.5°	8.4
105°	5.6
107.5°	2.8
110°	1.4



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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)