

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: P229223

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229223
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-1020-9040-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1192.6 lumens
Efficiency: N/A
Efficacy: 57.3 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

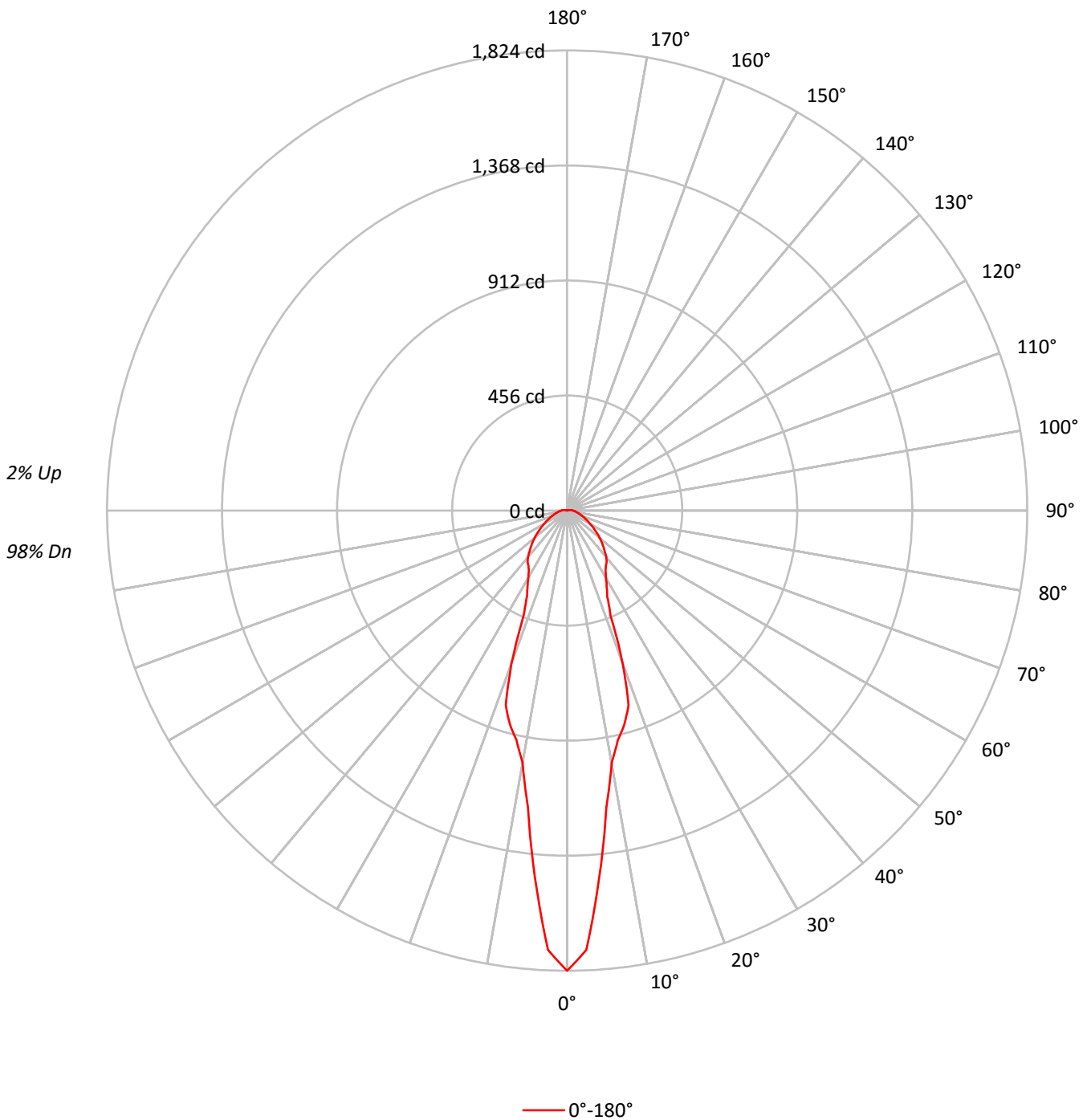
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P229223

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

Luminous Intensity Polar Plot





TEST NUMBER: P229223

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

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	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°	118992
5°	85477
10°	54235
15°	43418
20°	29870
25°	16558
30°	12984
35°	10904
40°	9582
45°	7948
50°	6525
55°	5168
60°	4114
65°	3236
70°	2577
75°	2079
80°	1682
85°	1384



TEST NUMBER: P229223

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	10.5
10°-20°	239.5	20.1
20°-30°	185.9	15.6
30°-40°	169.2	14.2
40°-50°	157.0	13.2
50°-60°	120.8	10.1
60°-70°	82.7	6.9
70°-80°	53.7	4.5
80°-90°	33.4	2.8
90°-100°	19.4	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°	550.3	46.1
0°-40°	719.4	60.3
0°-60°	997.2	83.6
0°-90°	1166.9	97.8
90°-120°	25.7	2.2
90°-150°	25.7	2.2
90°-180°	26.0	2.2
0°-180°	1192.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1824	
5°	1460	125
15°	877	240
25°	376	186
35°	267	169
45°	203	157
55°	134	121
65°	82	83
75°	50	54
85°	31	27
90°	22	13
95°	18	13
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



TEST NUMBER: P229223

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	1823.9
2.5°	1743.1
5°	1460.5
7.5°	1187.6
10°	1015.0
12.5°	930.0
15°	877.1
17.5°	808.9
20°	643.2
22.5°	449.7
25°	375.9
27.5°	339.7
30°	307.7
32.5°	282.6
35°	267.3
37.5°	257.6
40°	240.9
42.5°	221.4
45°	203.3
47.5°	185.2
50°	168.5
52.5°	150.4
55°	133.7
57.5°	119.7
60°	105.8
62.5°	93.3
65°	82.1
67.5°	73.8
70°	64.0
72.5°	57.1
75°	50.1
77.5°	44.6
80°	39.0
82.5°	34.8
85°	30.6
87.5°	26.5
90°	22.3
92.5°	20.9
95°	18.1
97.5°	15.3
100°	11.1
102.5°	8.4
105°	5.6
107.5°	2.8
110°	1.4



TEST NUMBER: P229223

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

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)