

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: P229180

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-CF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 596.3 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

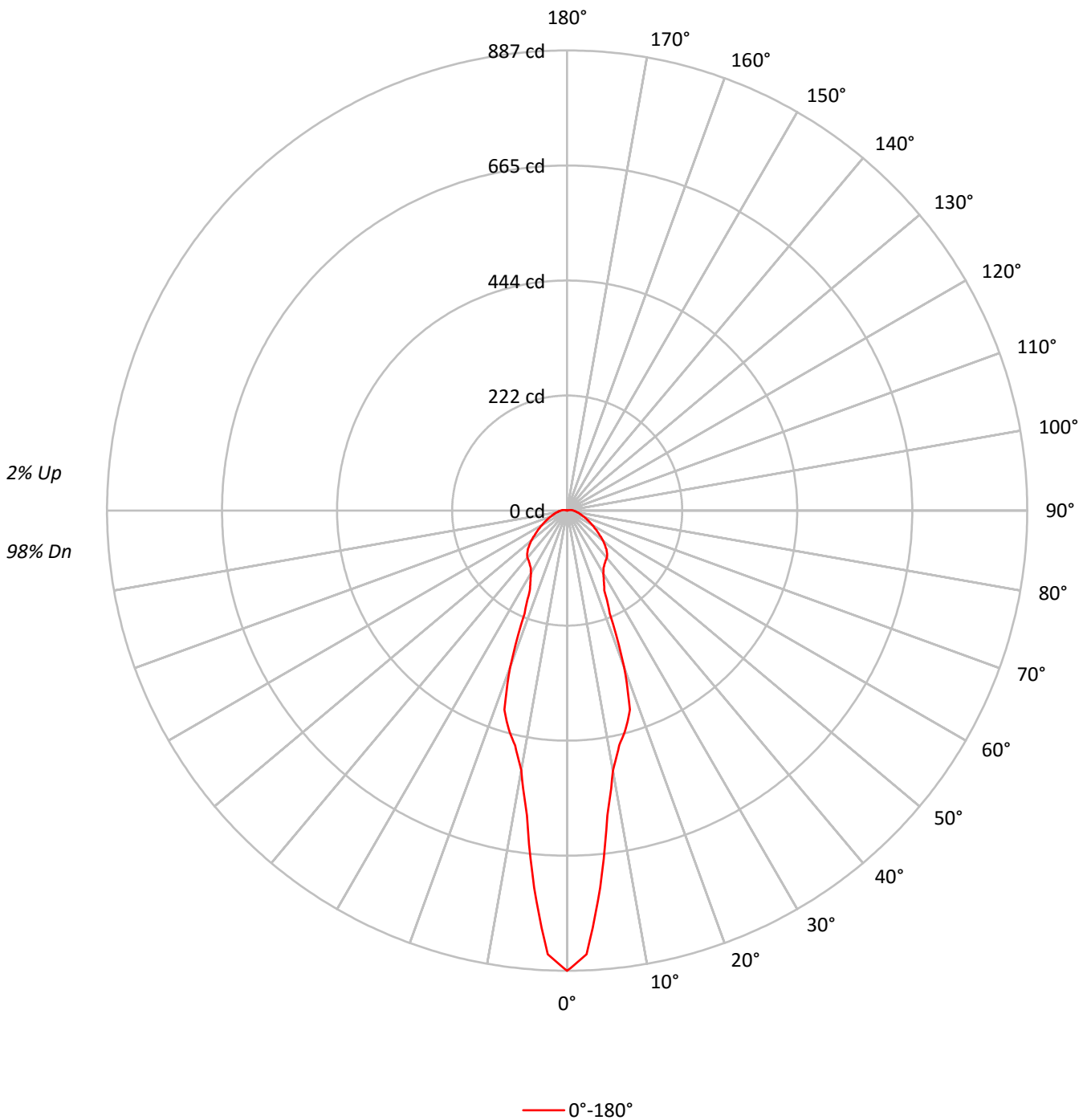
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P229180

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-CF

Luminous Intensity Polar Plot





TEST NUMBER: P229180

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-CF

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	98	107	103	99	96	98	95	93		94	92	90		90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80		85	81	78		82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70		77	73	69		75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63		71	66	62		69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56		66	60	56		64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52		61	55	51		59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44		53	48	44		52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41		50	45	41		49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57875
5°	42700
10°	27155
15°	21583
20°	14884
25°	7484
30°	5891
35°	5132
40°	4733
45°	4195
50°	3489
55°	2764
60°	2193
65°	1734
70°	1357
75°	1083
80°	888
85°	715



TEST NUMBER: P229180

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-CF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	10.4
10°-20°	119.3	20.0
20°-30°	86.6	14.5
30°-40°	79.5	13.3
40°-50°	82.0	13.7
50°-60°	64.4	10.8
60°-70°	43.8	7.3
70°-80°	28.1	4.7
80°-90°	17.4	2.9
90°-100°	10.0	1.7
100°-110°	3.0	0.5
110°-120°	0.1	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°	268.0	45.0
0°-40°	347.5	58.3
0°-60°	493.9	82.8
0°-90°	583.1	97.8
90°-120°	13.2	2.2
90°-150°	13.2	2.2
90°-180°	13.0	2.2
0°-180°	596.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	887	
5°	730	62
15°	436	119
25°	170	87
35°	126	79
45°	107	82
55°	72	64
65°	44	44
75°	26	28
85°	16	14
90°	12	7
95°	10	7
105°	3	3
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: P229180

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-CF

CANDELA DISTRIBUTION (FULL):

0°	
0°	887.1
2.5°	856.2
5°	729.6
7.5°	592.8
10°	508.2
12.5°	463.5
15°	436.0
17.5°	402.3
20°	320.5
22.5°	214.6
25°	169.9
27.5°	152.7
30°	139.6
32.5°	130.7
35°	125.8
37.5°	121.7
40°	119.0
42.5°	114.2
45°	107.3
47.5°	99.0
50°	90.1
52.5°	80.5
55°	71.5
57.5°	63.3
60°	56.4
62.5°	49.5
65°	44.0
67.5°	38.5
70°	33.7
72.5°	29.6
75°	26.1
77.5°	23.4
80°	20.6
82.5°	17.9
85°	15.8
87.5°	13.8
90°	11.7
92.5°	11.0
95°	9.6
97.5°	7.6
100°	5.5
102.5°	4.1
105°	2.8
107.5°	1.4
110°	0.7



TEST NUMBER: P229180

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-CF

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)