

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: P229183

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-CF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229183
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-1020-9040-6LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 629.9 lumens
Efficiency: N/A
Efficacy: 63.6 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

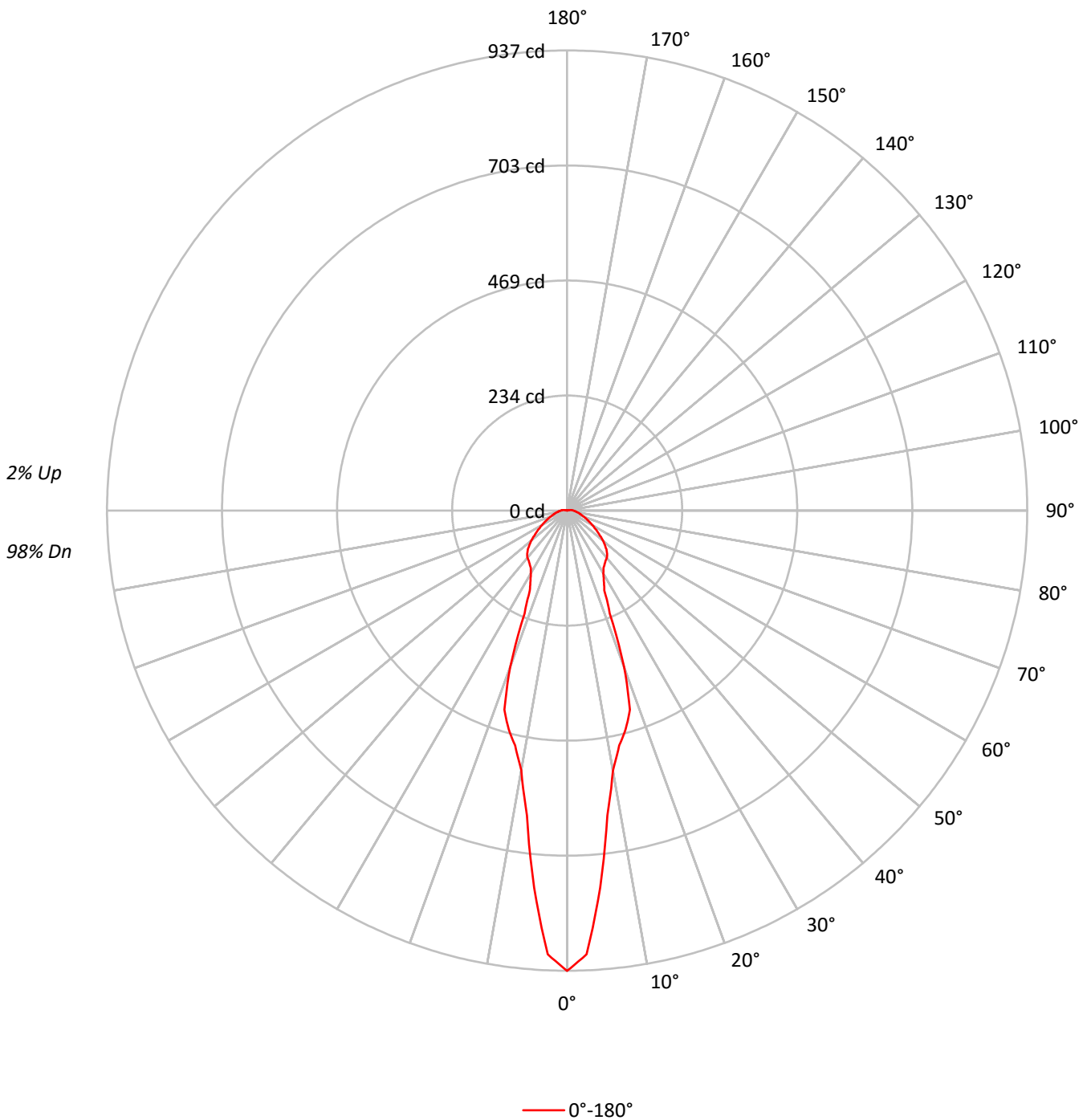
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P229183

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-CF

Luminous Intensity Polar Plot





TEST NUMBER: P229183

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-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°	61150
5°	45118
10°	28688
15°	22806
20°	15724
25°	7907
30°	6224
35°	5426
40°	5000
45°	4429
50°	3687
55°	2922
60°	2317
65°	1833
70°	1434
75°	1145
80°	940
85°	756



TEST NUMBER: P229183

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-CF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	10.4
10°-20°	126.0	20.0
20°-30°	91.5	14.5
30°-40°	84.0	13.3
40°-50°	86.6	13.7
50°-60°	68.1	10.8
60°-70°	46.3	7.3
70°-80°	29.6	4.7
80°-90°	18.3	2.9
90°-100°	10.6	1.7
100°-110°	3.2	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°	283.2	45.0
0°-40°	367.2	58.3
0°-60°	521.8	82.8
0°-90°	616.0	97.8
90°-120°	13.9	2.2
90°-150°	13.9	2.2
90°-180°	14.0	2.2
0°-180°	629.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	937	
5°	771	66
15°	461	126
25°	180	92
35°	133	84
45°	113	87
55°	76	68
65°	46	46
75°	28	30
85°	17	15
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: P229183

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-CF

CANDELA DISTRIBUTION (FULL):

0°	
0°	937.3
2.5°	904.6
5°	770.9
7.5°	626.3
10°	536.9
12.5°	489.7
15°	460.7
17.5°	425.0
20°	338.6
22.5°	226.7
25°	179.5
27.5°	161.3
30°	147.5
32.5°	138.1
35°	133.0
37.5°	128.6
40°	125.7
42.5°	120.6
45°	113.3
47.5°	104.6
50°	95.2
52.5°	85.0
55°	75.6
57.5°	66.8
60°	59.6
62.5°	52.3
65°	46.5
67.5°	40.7
70°	35.6
72.5°	31.2
75°	27.6
77.5°	24.7
80°	21.8
82.5°	18.9
85°	16.7
87.5°	14.5
90°	12.4
92.5°	11.6
95°	10.2
97.5°	8.0
100°	5.8
102.5°	4.4
105°	2.9
107.5°	1.5
110°	0.7



TEST NUMBER: P229183

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9040-6LBW1LI-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)