

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: P229187

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9030-6LBW1LI-CF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229187
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-15-D010 / 340-EU6B-1020-9030-6LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 854.7 lumens
Efficiency: N/A
Efficacy: 60.6 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

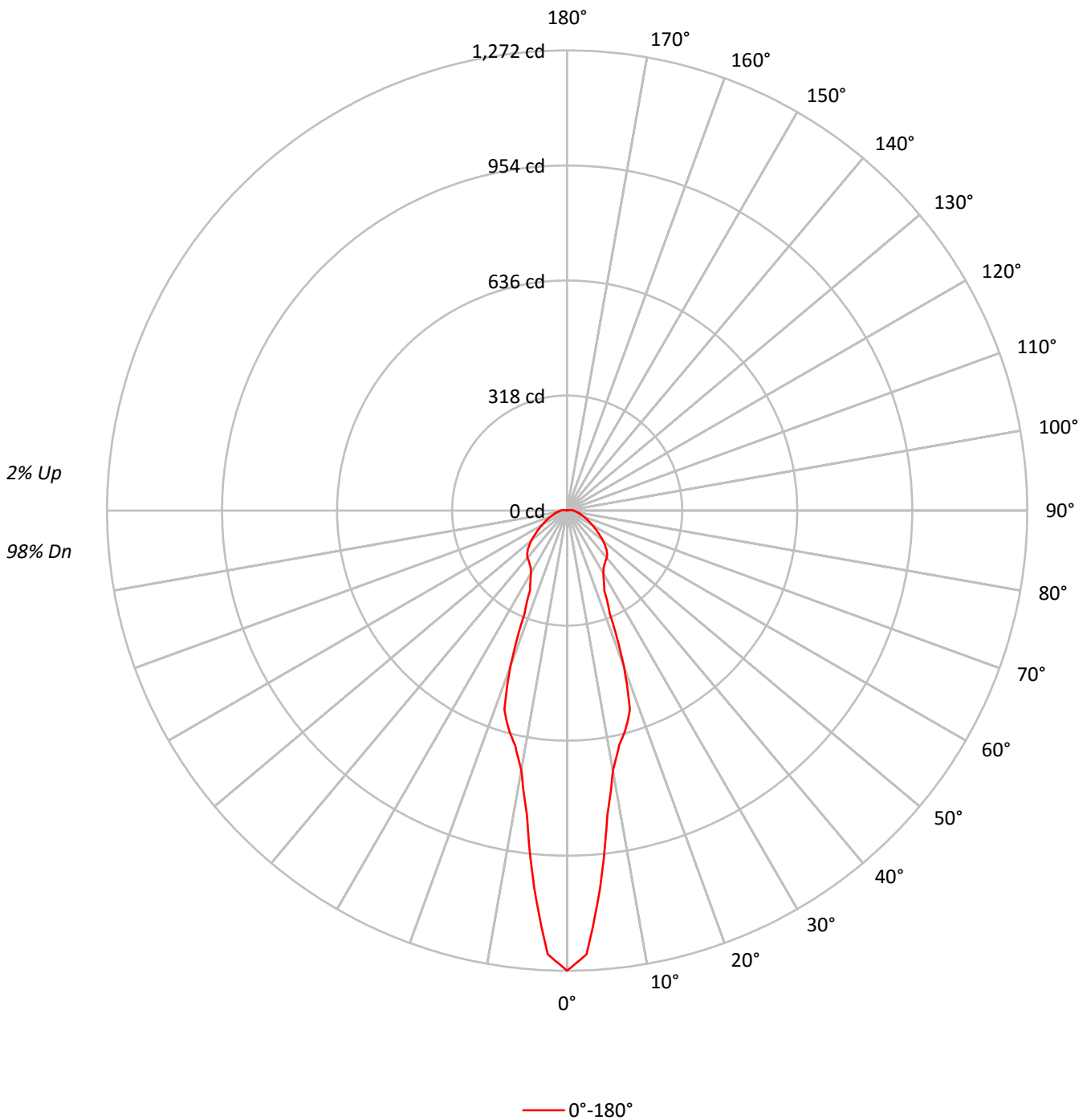
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	82967
5°	61218
10°	38926
15°	30939
20°	21334
25°	10726
30°	8444
35°	7359
40°	6782
45°	6013
50°	5000
55°	3962
60°	3142
65°	2487
70°	1945
75°	1556
80°	1276
85°	1027



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	10.4
10°-20°	171.0	20.0
20°-30°	124.2	14.5
30°-40°	113.9	13.3
40°-50°	117.5	13.7
50°-60°	92.3	10.8
60°-70°	62.8	7.3
70°-80°	40.2	4.7
80°-90°	24.9	2.9
90°-100°	14.4	1.7
100°-110°	4.3	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°	384.2	45.0
0°-40°	498.1	58.3
0°-60°	708.0	82.8
0°-90°	835.8	97.8
90°-120°	18.9	2.2
90°-150°	18.9	2.2
90°-180°	19.0	2.2
0°-180°	854.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1272	
5°	1046	89
15°	625	171
25°	244	124
35°	180	114
45°	154	118
55°	102	92
65°	63	63
75°	38	40
85°	23	20
90°	17	9
95°	14	10
105°	4	4
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°	1271.7
2.5°	1227.4
5°	1046.0
7.5°	849.8
10°	728.5
12.5°	664.5
15°	625.0
17.5°	576.7
20°	459.4
22.5°	307.6
25°	243.5
27.5°	218.9
30°	200.1
32.5°	187.3
35°	180.4
37.5°	174.5
40°	170.5
42.5°	163.6
45°	153.8
47.5°	142.0
50°	129.1
52.5°	115.3
55°	102.5
57.5°	90.7
60°	80.8
62.5°	71.0
65°	63.1
67.5°	55.2
70°	48.3
72.5°	42.4
75°	37.5
77.5°	33.5
80°	29.6
82.5°	25.6
85°	22.7
87.5°	19.7
90°	16.8
92.5°	15.8
95°	13.8
97.5°	10.8
100°	7.9
102.5°	5.9
105°	3.9
107.5°	2.0
110°	1.0



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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)