

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: P229145

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9027-6LBW1LI-FF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-40-D010 / 340-EU6B-3040-9027-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2155.5 lumens
Efficiency: N/A
Efficacy: 51.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

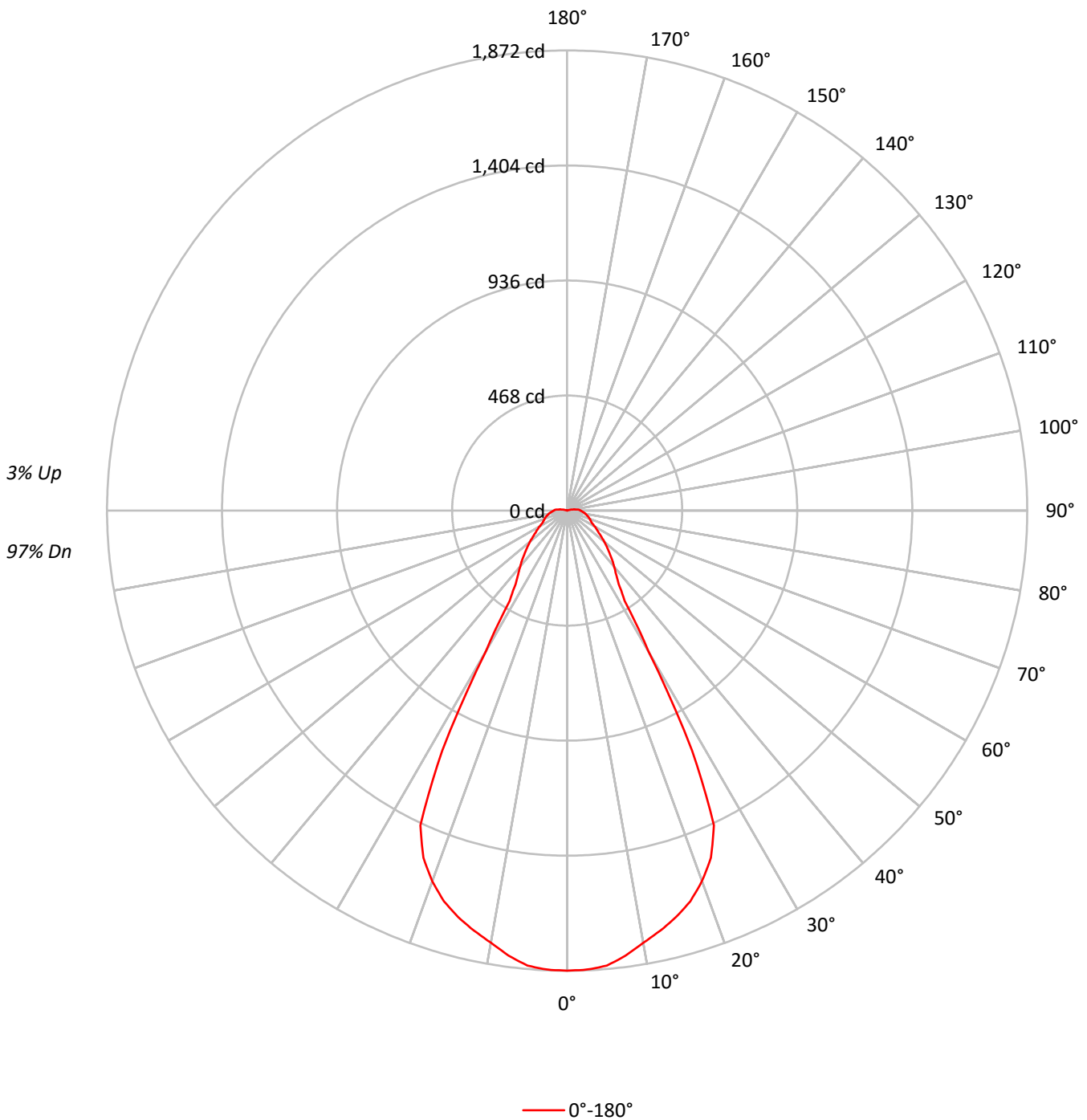
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	83	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	54	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122111
5°	108753
10°	95394
15°	84768
20°	74503
25°	62224
30°	27923
35°	14874
40°	11817
45°	9504
50°	7637
55°	6058
60°	5039
65°	4257
70°	3914
75°	3585
80°	3260
85°	2932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.9	8.1
10°-20°	481.1	22.3
20°-30°	586.7	27.2
30°-40°	248.4	11.5
40°-50°	188.5	8.7
50°-60°	142.7	6.6
60°-70°	109.0	5.1
70°-80°	91.3	4.2
80°-90°	70.7	3.3
90°-100°	47.2	2.2
100°-110°	14.0	0.7
110°-120°	1.0	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°	1242.7	57.7
0°-40°	1491.1	69.2
0°-60°	1822.3	84.5
0°-90°	2093.3	97.1
90°-120°	62.2	2.9
90°-150°	62.2	2.9
90°-180°	62.0	2.9
0°-180°	2155.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1872	
5°	1858	175
15°	1712	481
25°	1413	587
35°	365	248
45°	243	189
55°	157	143
65°	108	109
75°	86	91
85°	65	55
90°	54	30
95°	46	33
105°	11	14
115°	0	1
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°	1871.7
2.5°	1869.0
5°	1858.2
7.5°	1825.8
10°	1785.3
12.5°	1750.2
15°	1712.4
17.5°	1666.5
20°	1604.3
22.5°	1528.7
25°	1412.6
27.5°	1102.0
30°	661.7
32.5°	434.8
35°	364.6
37.5°	326.8
40°	297.1
42.5°	270.1
45°	243.1
47.5°	218.8
50°	197.2
52.5°	175.6
55°	156.7
57.5°	143.1
60°	129.6
62.5°	116.1
65°	108.0
67.5°	102.6
70°	97.2
72.5°	91.8
75°	86.4
77.5°	81.0
80°	75.6
82.5°	70.2
85°	64.8
87.5°	59.4
90°	54.0
92.5°	51.3
95°	45.9
97.5°	35.1
100°	27.0
102.5°	18.9
105°	10.8
107.5°	8.1
110°	2.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.7
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)