

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: P229241

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)
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-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 595.4 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

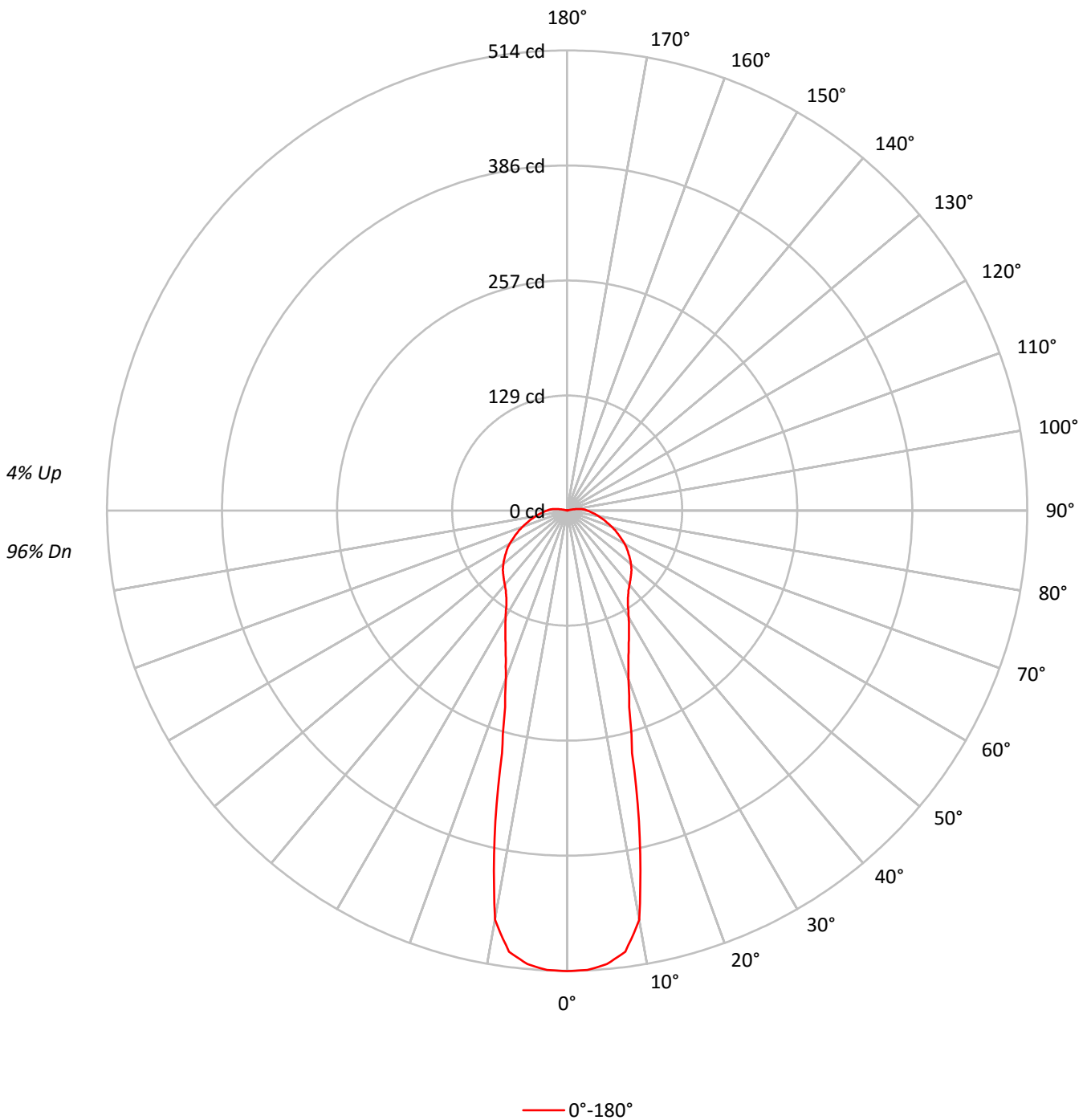
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	104	104	104	99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	77	65	56	50	75	63	55	49	61	54	48	58	52	47	56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	50	43	39	48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36	46	40	36	45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33560
5°	29766
10°	24809
15°	13885
20°	9279
25°	7171
30°	5794
35°	4830
40°	4308
45°	3949
50°	3602
55°	3232
60°	2881
65°	2491
70°	2134
75°	1809
80°	1535
85°	1280



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	7.9
10°-20°	82.3	13.8
20°-30°	75.5	12.7
30°-40°	75.1	12.6
40°-50°	78.0	13.1
50°-60°	75.0	12.6
60°-70°	62.7	10.5
70°-80°	46.2	7.8
80°-90°	31.3	5.3
90°-100°	18.1	3.0
100°-110°	3.8	0.6
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°	205.1	34.5
0°-40°	280.2	47.1
0°-60°	433.2	72.8
0°-90°	573.4	96.3
90°-120°	22.0	3.7
90°-150°	22.0	3.7
90°-180°	22.0	3.7
0°-180°	595.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	514	
5°	509	47
15°	280	82
25°	163	76
35°	118	75
45°	101	78
55°	84	75
65°	63	63
75°	44	46
85°	28	25
90°	22	12
95°	17	12
105°	3	4
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	514.4
2.5°	513.7
5°	508.6
7.5°	497.0
10°	464.3
12.5°	374.9
15°	280.5
17.5°	230.3
20°	199.8
22.5°	178.7
25°	162.8
27.5°	149.7
30°	137.3
32.5°	126.4
35°	118.4
37.5°	112.6
40°	108.3
42.5°	104.6
45°	101.0
47.5°	97.4
50°	93.0
52.5°	88.6
55°	83.6
57.5°	79.2
60°	74.1
62.5°	68.3
65°	63.2
67.5°	58.1
70°	53.0
72.5°	48.0
75°	43.6
77.5°	39.2
80°	35.6
82.5°	32.0
85°	28.3
87.5°	25.4
90°	22.5
92.5°	20.3
95°	17.4
97.5°	13.1
100°	8.7
102.5°	5.1
105°	2.9
107.5°	1.5
110°	0.7



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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)