

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: P229262

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9030-6LBW1LI-GFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229262
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-40-D010 / 340-EU6B-3040-9030-6LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2301.9 lumens
Efficiency: N/A
Efficacy: 55.1 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

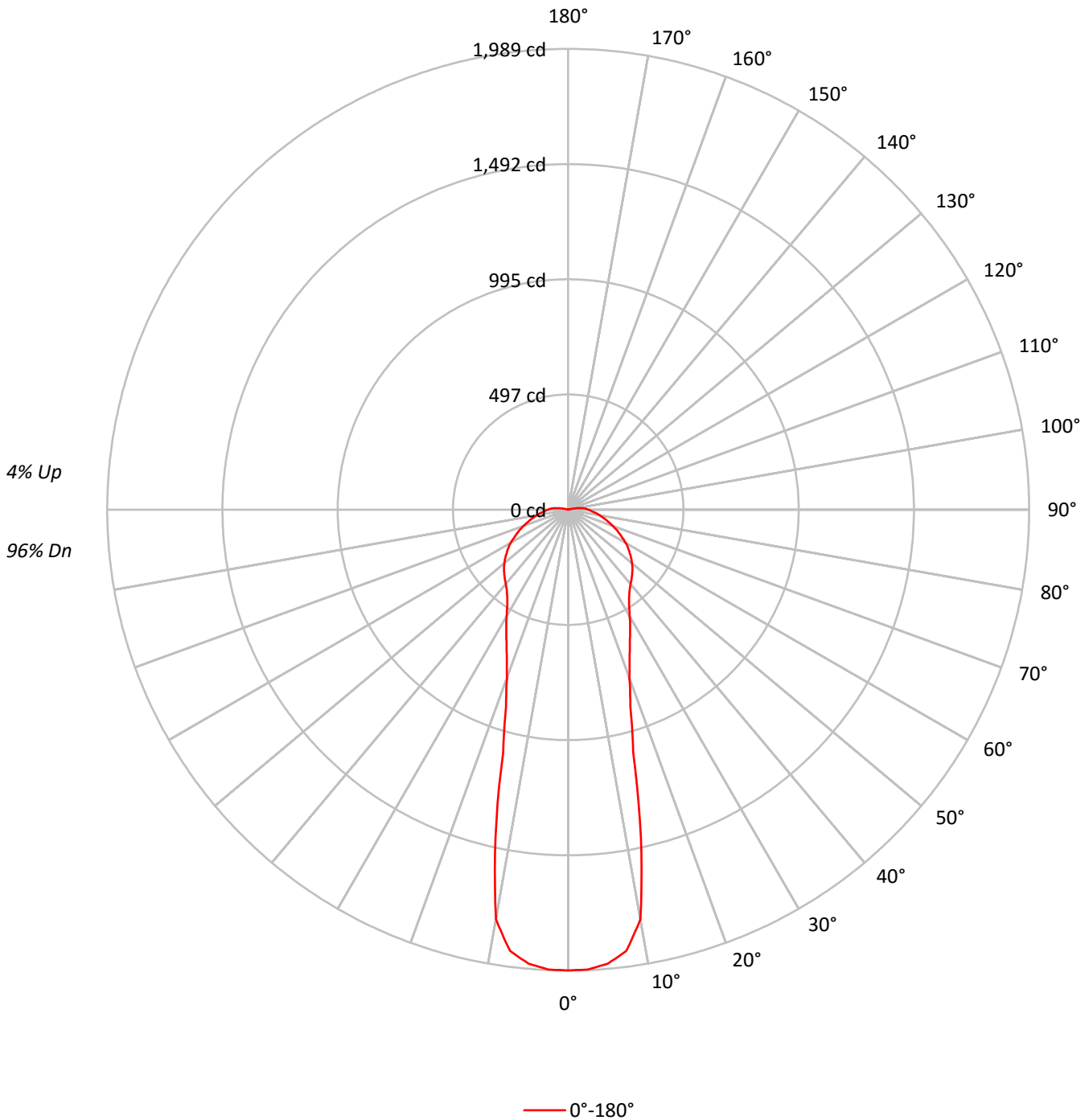
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	49	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	35	31	41	35	31	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129744
5°	115079
10°	95907
15°	53675
20°	35874
25°	27716
30°	22403
35°	18680
40°	16646
45°	15262
50°	13922
55°	12486
60°	11140
65°	9633
70°	8260
75°	6991
80°	5933
85°	4954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	7.9
10°-20°	318.3	13.8
20°-30°	292.0	12.7
30°-40°	290.3	12.6
40°-50°	301.5	13.1
50°-60°	289.8	12.6
60°-70°	242.4	10.5
70°-80°	178.8	7.8
80°-90°	121.0	5.3
90°-100°	70.2	3.0
100°-110°	14.6	0.6
110°-120°	0.4	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°	793.1	34.5
0°-40°	1083.3	47.1
0°-60°	1674.6	72.7
0°-90°	2216.8	96.3
90°-120°	85.2	3.7
90°-150°	85.2	3.7
90°-180°	85.0	3.7
0°-180°	2301.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1989	
5°	1966	183
15°	1084	318
25°	629	292
35°	458	290
45°	390	301
55°	323	290
65°	244	242
75°	168	179
85°	110	96
90°	87	48
95°	67	47
105°	11	15
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°	1988.7
2.5°	1985.9
5°	1966.3
7.5°	1921.3
10°	1794.9
12.5°	1449.4
15°	1084.3
17.5°	890.4
20°	772.5
22.5°	691.0
25°	629.2
27.5°	578.6
30°	530.9
32.5°	488.8
35°	457.9
37.5°	435.4
40°	418.5
42.5°	404.5
45°	390.4
47.5°	376.4
50°	359.5
52.5°	342.7
55°	323.0
57.5°	306.2
60°	286.5
62.5°	264.0
65°	244.4
67.5°	224.7
70°	205.1
72.5°	185.4
75°	168.5
77.5°	151.7
80°	137.6
82.5°	123.6
85°	109.5
87.5°	98.3
90°	87.1
92.5°	78.7
95°	67.4
97.5°	50.6
100°	33.7
102.5°	19.7
105°	11.2
107.5°	5.6
110°	2.8



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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)