

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: P229207

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-CF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229207
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-40-D010 / 340-EU6B-3040-9050-6LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2484.6 lumens
Efficiency: N/A
Efficacy: 59.4 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

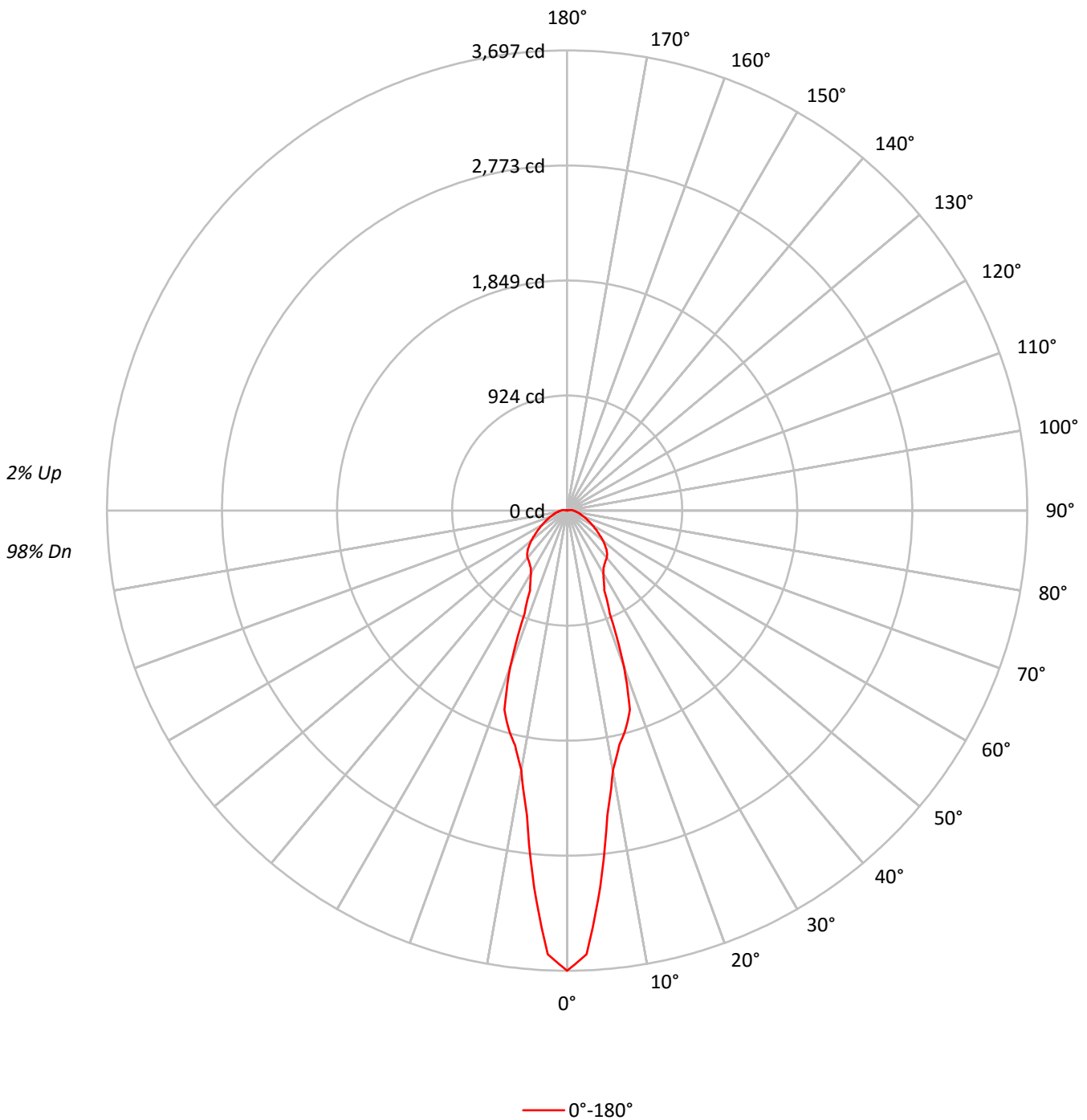
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	241188
5°	177954
10°	113161
15°	89941
20°	62020
25°	31182
30°	24551
35°	21393
40°	19720
45°	17479
50°	14538
55°	11520
60°	9138
65°	7229
70°	5654
75°	4518
80°	3708
85°	2981



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.9	10.4
10°-20°	497.1	20.0
20°-30°	361.0	14.5
30°-40°	331.1	13.3
40°-50°	341.6	13.7
50°-60°	268.4	10.8
60°-70°	182.5	7.3
70°-80°	116.9	4.7
80°-90°	72.2	2.9
90°-100°	41.9	1.7
100°-110°	12.6	0.5
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°	1116.9	45.0
0°-40°	1448.1	58.3
0°-60°	2058.1	82.8
0°-90°	2429.8	97.8
90°-120°	54.8	2.2
90°-150°	54.8	2.2
90°-180°	55.0	2.2
0°-180°	2484.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3697	
5°	3041	259
15°	1817	497
25°	708	361
35°	524	331
45°	447	342
55°	298	268
65°	183	183
75°	109	117
85°	66	58
90°	49	27
95°	40	29
105°	12	13
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°	3696.9
2.5°	3567.9
5°	3040.6
7.5°	2470.3
10°	2117.8
12.5°	1931.6
15°	1816.9
17.5°	1676.5
20°	1335.5
22.5°	894.1
25°	707.9
27.5°	636.2
30°	581.8
32.5°	544.5
35°	524.4
37.5°	507.2
40°	495.8
42.5°	475.7
45°	447.1
47.5°	412.7
50°	375.4
52.5°	335.3
55°	298.0
57.5°	263.7
60°	235.0
62.5°	206.3
65°	183.4
67.5°	160.5
70°	140.4
72.5°	123.2
75°	108.9
77.5°	97.4
80°	86.0
82.5°	74.5
85°	65.9
87.5°	57.3
90°	48.7
92.5°	45.9
95°	40.1
97.5°	31.5
100°	22.9
102.5°	17.2
105°	11.5
107.5°	5.7
110°	2.9



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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)