

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: P229144

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-FF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229144
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-3040-9024-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1896.5 lumens
Efficiency: N/A
Efficacy: 45.4 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

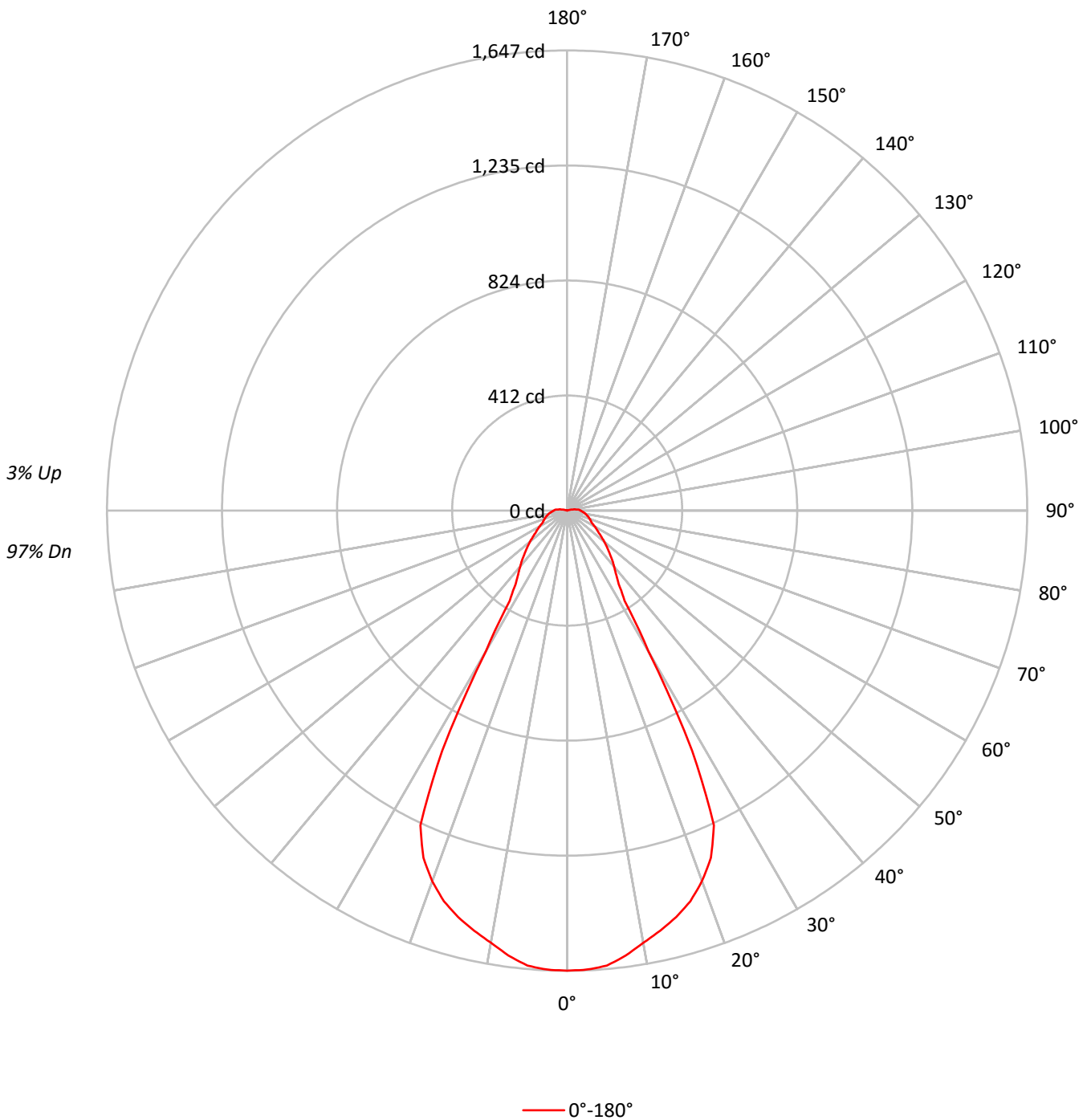
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	53	47	43	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107438
5°	95684
10°	83927
15°	74580
20°	65549
25°	54744
30°	24568
35°	13087
40°	10397
45°	8362
50°	6719
55°	5327
60°	4437
65°	3748
70°	3443
75°	3153
80°	2867
85°	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	8.1
10°-20°	423.2	22.3
20°-30°	516.2	27.2
30°-40°	218.6	11.5
40°-50°	165.8	8.7
50°-60°	125.5	6.6
60°-70°	96.0	5.1
70°-80°	80.4	4.2
80°-90°	62.2	3.3
90°-100°	41.5	2.2
100°-110°	12.3	0.6
110°-120°	0.9	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°	1093.3	57.6
0°-40°	1311.9	69.2
0°-60°	1603.3	84.5
0°-90°	1841.8	97.1
90°-120°	54.7	2.9
90°-150°	54.7	2.9
90°-180°	55.0	2.9
0°-180°	1896.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1647	
5°	1635	154
15°	1507	423
25°	1243	516
35°	321	219
45°	214	166
55°	138	126
65°	95	96
75°	76	80
85°	57	49
90°	48	26
95°	40	29
105°	10	12
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°	1646.8
2.5°	1644.4
5°	1634.9
7.5°	1606.4
10°	1570.7
12.5°	1539.8
15°	1506.6
17.5°	1466.2
20°	1411.5
22.5°	1345.0
25°	1242.8
27.5°	969.5
30°	582.2
32.5°	382.6
35°	320.8
37.5°	287.5
40°	261.4
42.5°	237.6
45°	213.9
47.5°	192.5
50°	173.5
52.5°	154.5
55°	137.8
57.5°	125.9
60°	114.1
62.5°	102.2
65°	95.1
67.5°	90.3
70°	85.5
72.5°	80.8
75°	76.0
77.5°	71.3
80°	66.5
82.5°	61.8
85°	57.0
87.5°	52.3
90°	47.5
92.5°	45.1
95°	40.4
97.5°	30.9
100°	23.8
102.5°	16.6
105°	9.5
107.5°	7.1
110°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.4
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)