

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: P229235

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9040-6LBW1LI-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)
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-3040-9040-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2444.3 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

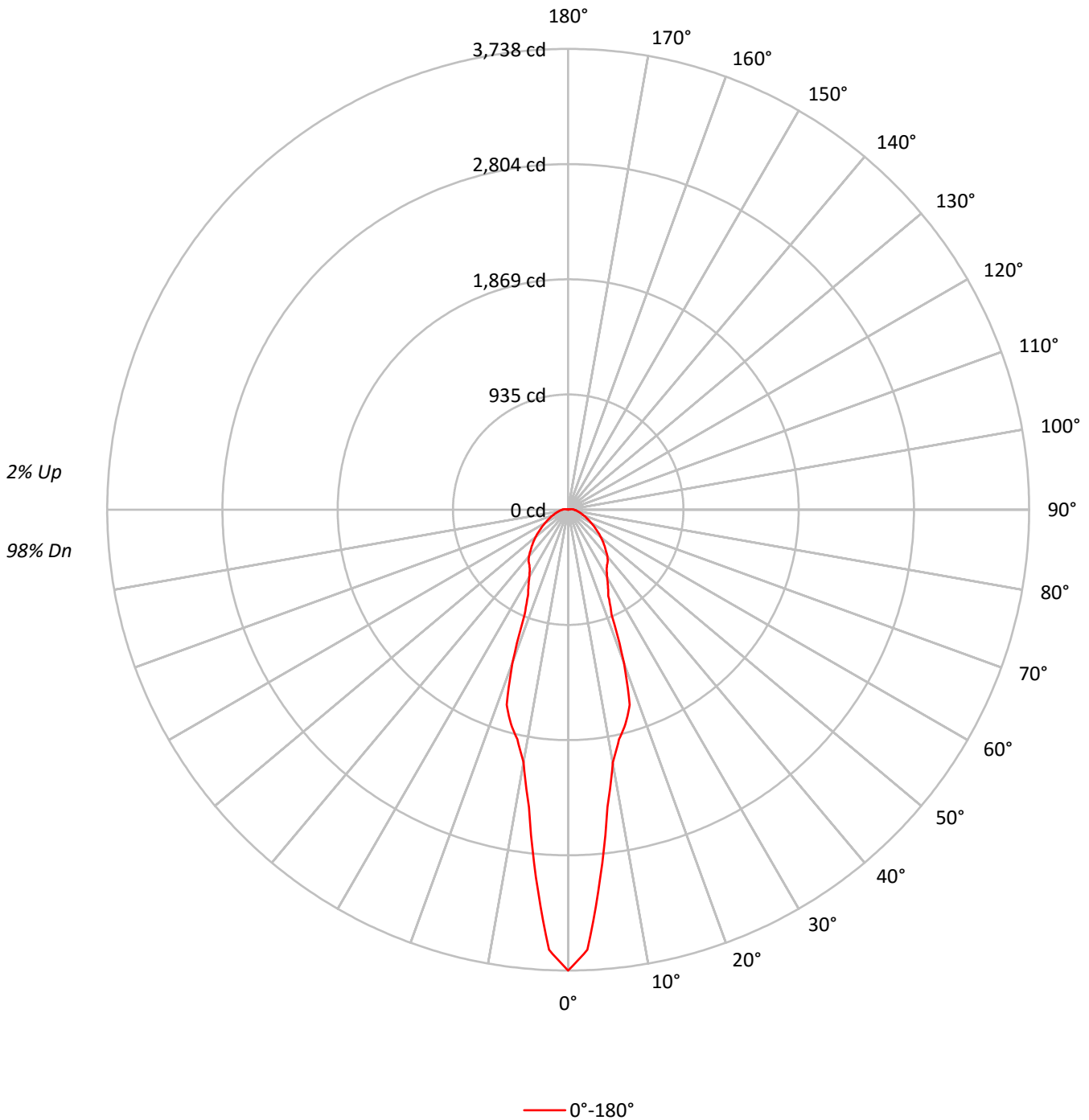
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93	94	92	90	90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81	85	82	78	82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71	78	73	70	75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63	72	67	62	69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57	66	61	57	64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	243889
5°	175197
10°	111157
15°	88995
20°	61226
25°	33940
30°	26614
35°	22351
40°	19637
45°	16287
50°	13372
55°	10588
60°	8434
65°	6637
70°	5288
75°	4261
80°	3445
85°	2841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	10.5
10°-20°	491.0	20.1
20°-30°	381.1	15.6
30°-40°	346.7	14.2
40°-50°	321.6	13.2
50°-60°	247.6	10.1
60°-70°	169.4	6.9
70°-80°	110.0	4.5
80°-90°	68.4	2.8
90°-100°	39.7	1.6
100°-110°	12.5	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°	1127.9	46.1
0°-40°	1474.6	60.3
0°-60°	2043.8	83.6
0°-90°	2391.7	97.8
90°-120°	52.6	2.2
90°-150°	52.6	2.2
90°-180°	53.0	2.2
0°-180°	2444.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3738	
5°	2994	256
15°	1798	491
25°	770	381
35°	548	347
45°	417	322
55°	274	248
65°	168	169
75°	103	110
85°	63	55
90°	46	26
95°	37	28
105°	11	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°	3738.3
2.5°	3572.7
5°	2993.5
7.5°	2434.1
10°	2080.3
12.5°	1906.2
15°	1797.8
17.5°	1658.0
20°	1318.4
22.5°	921.7
25°	770.5
27.5°	696.3
30°	630.7
32.5°	579.3
35°	547.9
37.5°	527.9
40°	493.7
42.5°	453.7
45°	416.6
47.5°	379.5
50°	345.3
52.5°	308.2
55°	273.9
57.5°	245.4
60°	216.9
62.5°	191.2
65°	168.4
67.5°	151.2
70°	131.3
72.5°	117.0
75°	102.7
77.5°	91.3
80°	79.9
82.5°	71.3
85°	62.8
87.5°	54.2
90°	45.7
92.5°	42.8
95°	37.1
97.5°	31.4
100°	22.8
102.5°	17.1
105°	11.4
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)