

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: P229321

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9035-6LBW1LI-GCC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-16)
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-3040-9035-6LBW1LI-GCC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,
CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2829.5 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.89
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

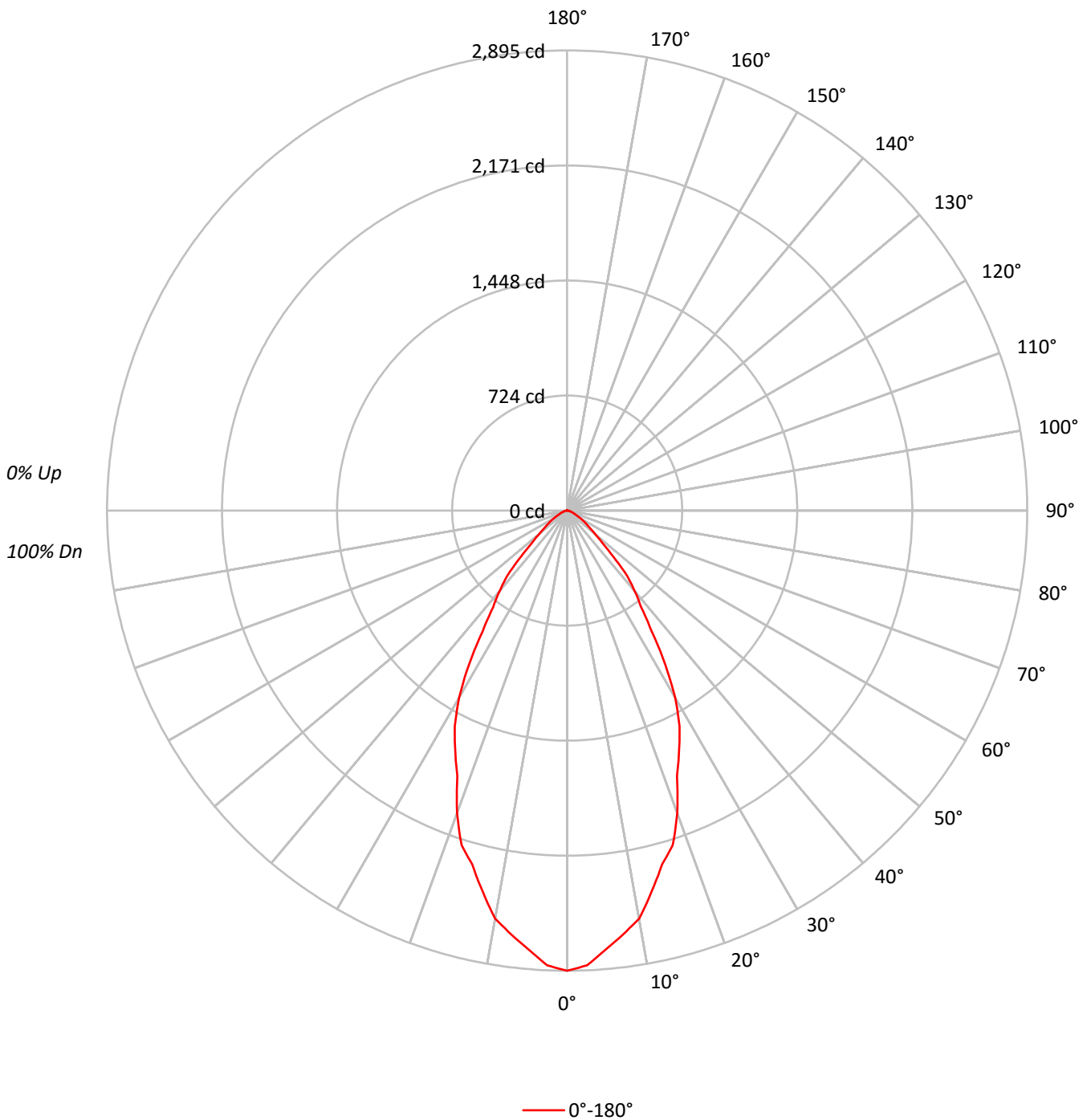
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	101	96	92	104	99	95	91	96	92	89		92	90	87		90	87	85	83
3	100	93	87	83	98	91	86	82	88	84	81		86	82	79		84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	71	70
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57		66	60	57		64	60	56	55
8	75	64	58	53	74	64	58	53	63	57	53		62	56	53		61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	188865
5°	181564
10°	172713
15°	155691
20°	140653
25°	119985
30°	102386
35°	73750
40°	56294
45°	37856
50°	23425
55°	16857
60°	12265
65°	8352
70°	7058
75°	5747
80°	5335
85°	4267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.7	9.2
10°-20°	650.2	23.0
20°-30°	766.4	27.1
30°-40°	595.8	21.1
40°-50°	326.8	11.6
50°-60°	136.3	4.8
60°-70°	57.6	2.0
70°-80°	24.8	0.9
80°-90°	6.9	0.2
90°-100°	3.1	0.1
100°-110°	1.9	0.1
110°-120°	0.0	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°	1676.3	59.2
0°-40°	2272.1	80.3
0°-60°	2735.2	96.7
0°-90°	2824.6	99.8
90°-120°	4.9	0.2
90°-150°	4.9	0.2
90°-180°	5.0	0.2
0°-180°	2829.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2895	
5°	2772	260
15°	2305	650
25°	1667	766
35°	926	596
45°	410	327
55°	148	136
65°	54	58
75°	23	25
85°	6	6
90°	3	2
95°	3	2
105°	3	2
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°	2894.9
2.5°	2863.6
5°	2772.4
7.5°	2689.7
10°	2607.1
12.5°	2456.1
15°	2305.1
17.5°	2208.2
20°	2025.9
22.5°	1806.5
25°	1666.8
27.5°	1530.1
30°	1359.1
32.5°	1151.1
35°	926.0
37.5°	763.6
40°	661.0
42.5°	561.3
45°	410.3
47.5°	296.3
50°	230.8
52.5°	182.4
55°	148.2
57.5°	119.7
60°	94.0
62.5°	68.4
65°	54.1
67.5°	45.6
70°	37.0
72.5°	28.5
75°	22.8
77.5°	17.1
80°	14.2
82.5°	8.5
85°	5.7
87.5°	2.8
90°	2.8
92.5°	2.8
95°	2.8
97.5°	2.8
100°	2.8
102.5°	2.8
105°	2.8
107.5°	0.0
110°	0.0



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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)