

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: P229304

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9040-6LBW1LI-GCC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229304
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-15-D010 / 340-EU6B-1020-9040-6LBW1LI-GCC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,
CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 994.6 lumens
Efficiency: N/A
Efficacy: 70.5 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

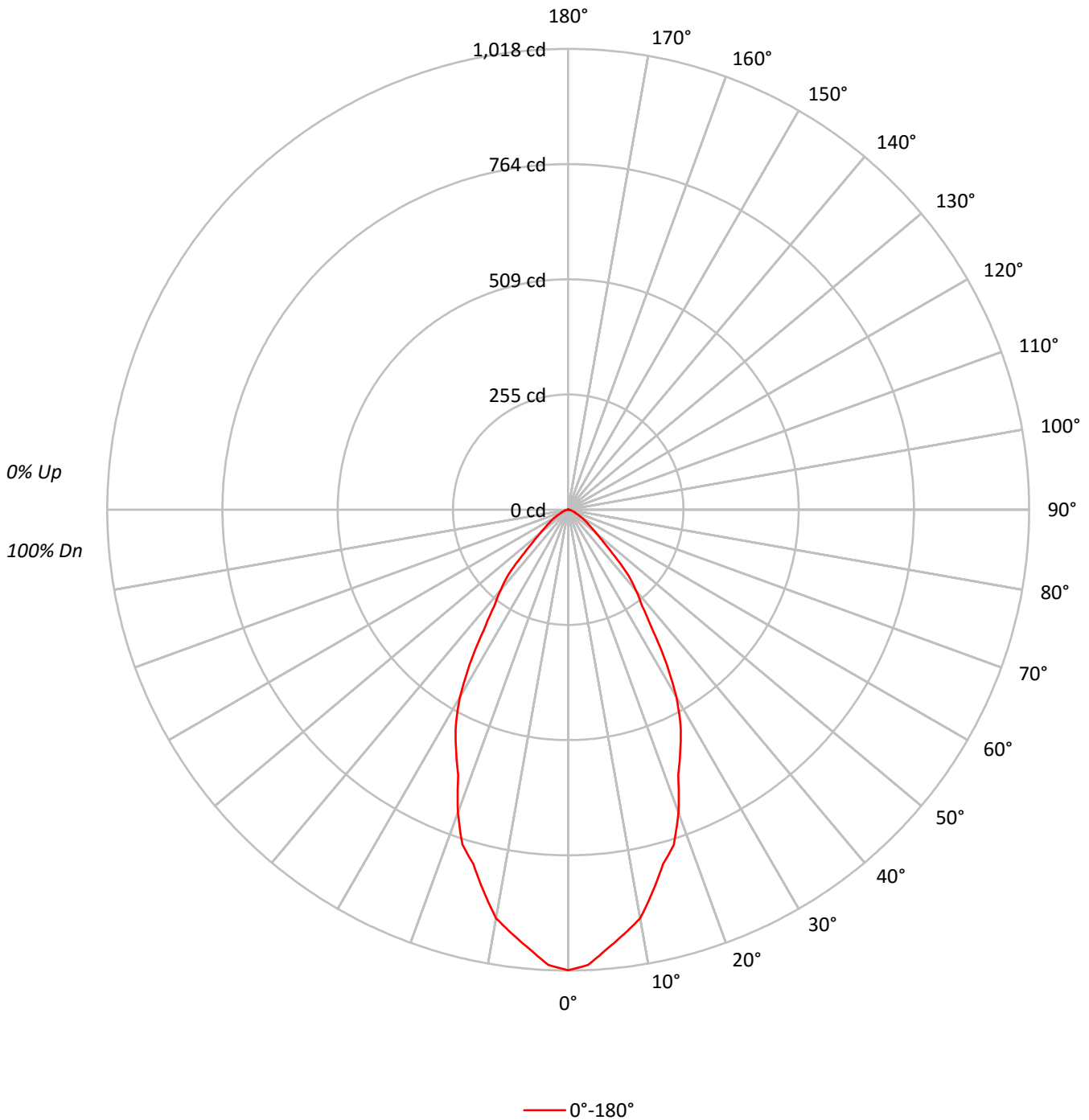
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	95	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°	66382
5°	63820
10°	60709
15°	54723
20°	49439
25°	42176
30°	35987
35°	25924
40°	19792
45°	13304
50°	8231
55°	5926
60°	4306
65°	2933
70°	2480
75°	2017
80°	1879
85°	1497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	9.2
10°-20°	228.5	23.0
20°-30°	269.4	27.1
30°-40°	209.4	21.1
40°-50°	114.9	11.6
50°-60°	47.9	4.8
60°-70°	20.2	2.0
70°-80°	8.7	0.9
80°-90°	2.4	0.2
90°-100°	1.1	0.1
100°-110°	0.7	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°	589.2	59.2
0°-40°	798.6	80.3
0°-60°	961.4	96.7
0°-90°	992.8	99.8
90°-120°	1.8	0.2
90°-150°	1.8	0.2
90°-180°	2.0	0.2
0°-180°	994.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1018	
5°	974	91
15°	810	229
25°	586	269
35°	326	209
45°	144	115
55°	52	48
65°	19	20
75°	8	9
85°	2	2
90°	1	1
95°	1	1
105°	1	1
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°	1017.5
2.5°	1006.5
5°	974.5
7.5°	945.4
10°	916.4
12.5°	863.3
15°	810.2
17.5°	776.2
20°	712.1
22.5°	635.0
25°	585.9
27.5°	537.8
30°	477.7
32.5°	404.6
35°	325.5
37.5°	268.4
40°	232.4
42.5°	197.3
45°	144.2
47.5°	104.2
50°	81.1
52.5°	64.1
55°	52.1
57.5°	42.1
60°	33.0
62.5°	24.0
65°	19.0
67.5°	16.0
70°	13.0
72.5°	10.0
75°	8.0
77.5°	6.0
80°	5.0
82.5°	3.0
85°	2.0
87.5°	1.0
90°	1.0
92.5°	1.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	1.0
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)