

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: P229214

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9024-6LBW1LI-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229214
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-15-D010 / 340-EU6B-1020-9024-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 714.3 lumens
Efficiency: N/A
Efficacy: 50.7 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

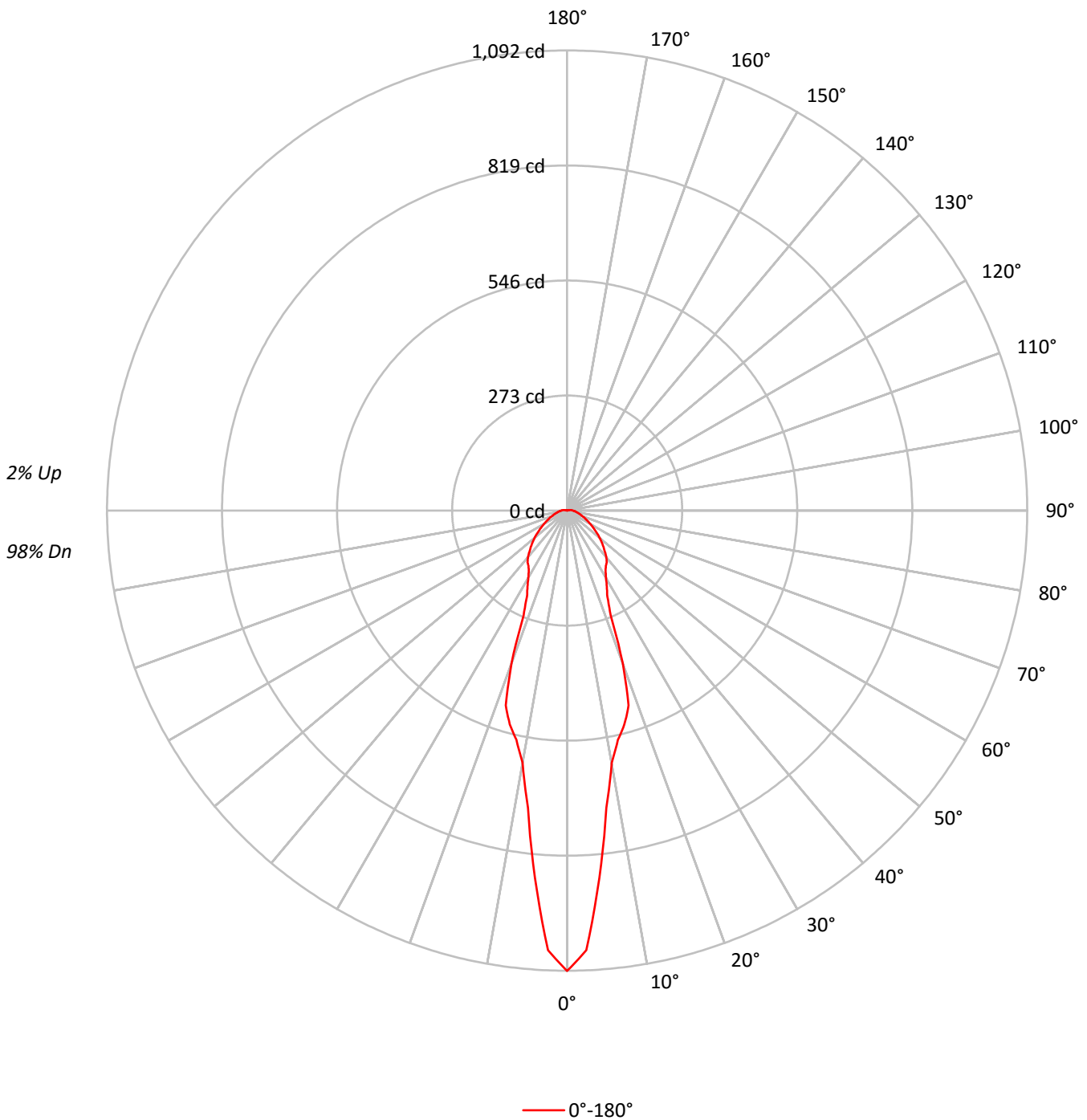
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	71275
5°	51204
10°	32487
15°	26008
20°	17893
25°	9920
30°	7777
35°	6531
40°	5739
45°	4762
50°	3908
55°	3096
60°	2465
65°	1939
70°	1546
75°	1245
80°	1009
85°	828



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	10.5
10°-20°	143.5	20.1
20°-30°	111.4	15.6
30°-40°	101.3	14.2
40°-50°	94.0	13.2
50°-60°	72.4	10.1
60°-70°	49.5	6.9
70°-80°	32.2	4.5
80°-90°	20.0	2.8
90°-100°	11.6	1.6
100°-110°	3.7	0.5
110°-120°	0.1	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°	329.6	46.1
0°-40°	431.0	60.3
0°-60°	597.3	83.6
0°-90°	699.0	97.8
90°-120°	15.4	2.2
90°-150°	15.4	2.2
90°-180°	15.0	2.1
0°-180°	714.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1092	
5°	875	75
15°	525	143
25°	225	111
35°	160	101
45°	122	94
55°	80	72
65°	49	50
75°	30	32
85°	18	16
90°	13	8
95°	11	8
105°	3	4
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°	1092.5
2.5°	1044.2
5°	874.9
7.5°	711.4
10°	608.0
12.5°	557.1
15°	525.4
17.5°	484.5
20°	385.3
22.5°	269.4
25°	225.2
27.5°	203.5
30°	184.3
32.5°	169.3
35°	160.1
37.5°	154.3
40°	144.3
42.5°	132.6
45°	121.8
47.5°	110.9
50°	100.9
52.5°	90.1
55°	80.1
57.5°	71.7
60°	63.4
62.5°	55.9
65°	49.2
67.5°	44.2
70°	38.4
72.5°	34.2
75°	30.0
77.5°	26.7
80°	23.4
82.5°	20.8
85°	18.3
87.5°	15.8
90°	13.3
92.5°	12.5
95°	10.8
97.5°	9.2
100°	6.7
102.5°	5.0
105°	3.3
107.5°	1.7
110°	0.8



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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)