

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: P229213

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9050-6LBW1LI-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229213
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-10-D010 / 340-EU6B-1020-9050-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 625.0 lumens
Efficiency: N/A
Efficacy: 63.1 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

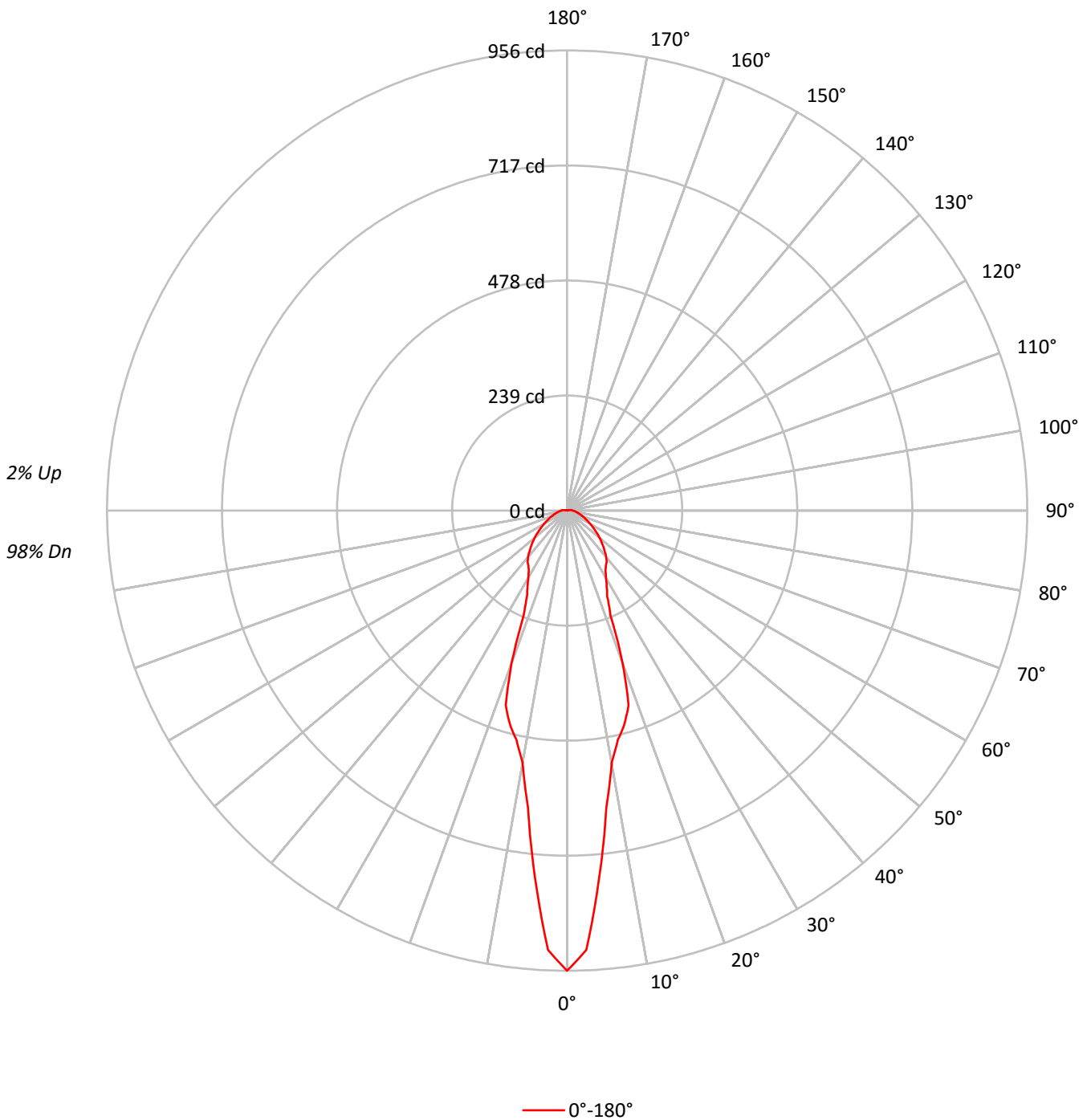
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	62364
5°	44796
10°	28421
15°	22756
20°	15655
25°	8678
30°	6807
35°	5715
40°	5020
45°	4164
50°	3420
55°	2706
60°	2158
65°	1699
70°	1353
75°	1091
80°	880
85°	728



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	10.5
10°-20°	125.5	20.1
20°-30°	97.4	15.6
30°-40°	88.7	14.2
40°-50°	82.2	13.2
50°-60°	63.3	10.1
60°-70°	43.4	6.9
70°-80°	28.1	4.5
80°-90°	17.5	2.8
90°-100°	10.1	1.6
100°-110°	3.2	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°	288.4	46.1
0°-40°	377.0	60.3
0°-60°	522.6	83.6
0°-90°	611.6	97.8
90°-120°	13.4	2.2
90°-150°	13.4	2.2
90°-180°	13.0	2.1
0°-180°	625.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	956	
5°	765	65
15°	460	126
25°	197	97
35°	140	89
45°	106	82
55°	70	63
65°	43	43
75°	26	28
85°	16	14
90°	12	7
95°	10	7
105°	3	3
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°	955.9
2.5°	913.6
5°	765.4
7.5°	622.4
10°	531.9
12.5°	487.4
15°	459.7
17.5°	423.9
20°	337.1
22.5°	235.7
25°	197.0
27.5°	178.0
30°	161.3
32.5°	148.1
35°	140.1
37.5°	135.0
40°	126.2
42.5°	116.0
45°	106.5
47.5°	97.0
50°	88.3
52.5°	78.8
55°	70.0
57.5°	62.8
60°	55.5
62.5°	48.9
65°	43.1
67.5°	38.7
70°	33.6
72.5°	29.9
75°	26.3
77.5°	23.3
80°	20.4
82.5°	18.2
85°	16.1
87.5°	13.9
90°	11.7
92.5°	10.9
95°	9.5
97.5°	8.0
100°	5.8
102.5°	4.4
105°	2.9
107.5°	1.5
110°	0.7



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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)