

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: P229122

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9027-6LBW1LI-FF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)
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-1020-9027-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 548.9 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

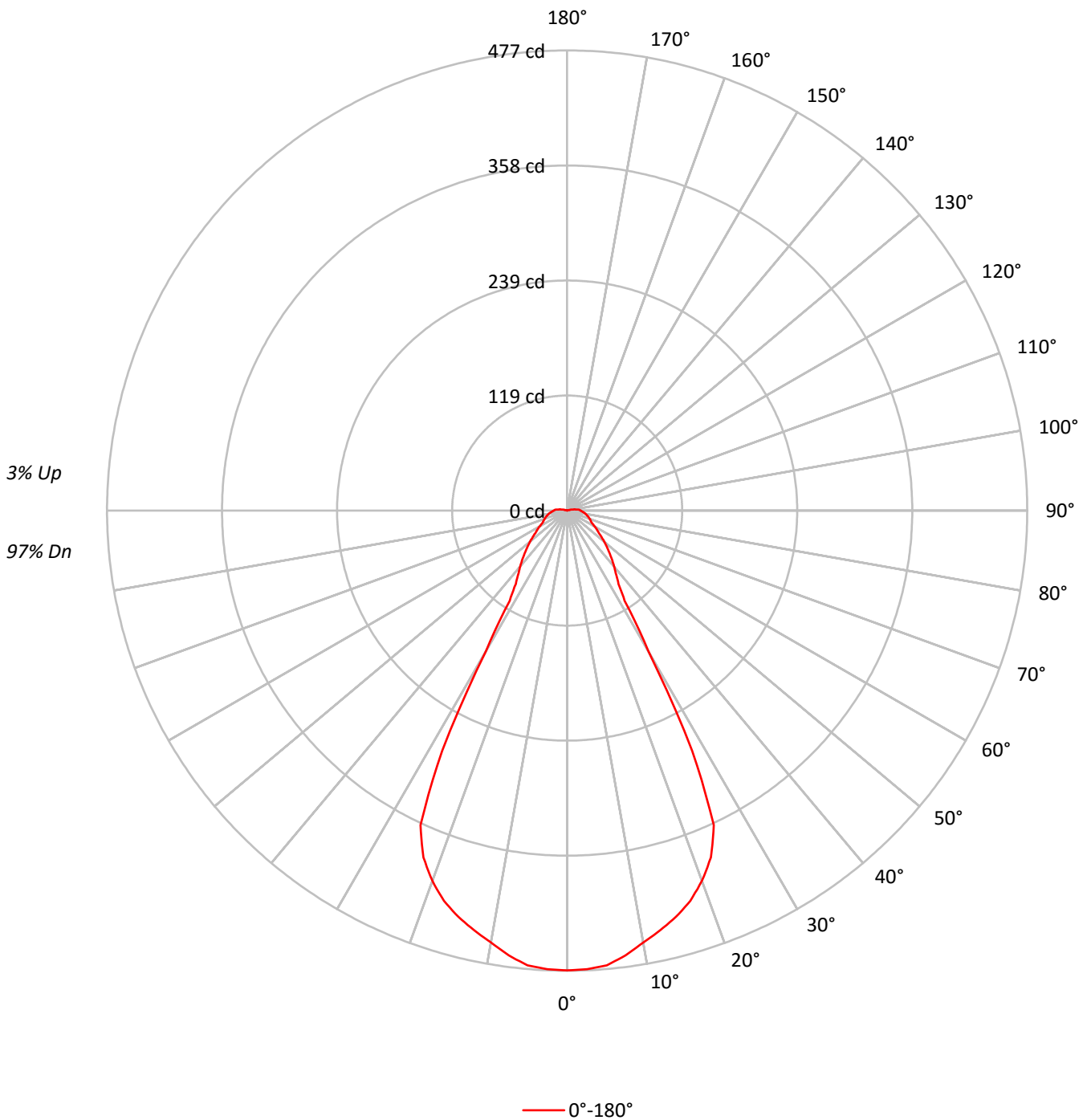
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	82	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31094
5°	27689
10°	24291
15°	21583
20°	18970
25°	15844
30°	7110
35°	3786
40°	3007
45°	2420
50°	1944
55°	1542
60°	1283
65°	1084
70°	999
75°	913
80°	832
85°	746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	8.1
10°-20°	122.5	22.3
20°-30°	149.4	27.2
30°-40°	63.2	11.5
40°-50°	48.0	8.7
50°-60°	36.3	6.6
60°-70°	27.8	5.1
70°-80°	23.3	4.2
80°-90°	18.0	3.3
90°-100°	12.0	2.2
100°-110°	3.6	0.7
110°-120°	0.3	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°	316.4	57.6
0°-40°	379.6	69.2
0°-60°	464.0	84.5
0°-90°	533.0	97.1
90°-120°	15.9	2.9
90°-150°	15.9	2.9
90°-180°	16.0	2.9
0°-180°	548.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	477	
5°	473	45
15°	436	122
25°	360	149
35°	93	63
45°	62	48
55°	40	36
65°	28	28
75°	22	23
85°	16	14
90°	14	8
95°	12	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°	476.6
2.5°	475.9
5°	473.1
7.5°	464.9
10°	454.6
12.5°	445.6
15°	436.0
17.5°	424.3
20°	408.5
22.5°	389.2
25°	359.7
27.5°	280.6
30°	168.5
32.5°	110.7
35°	92.8
37.5°	83.2
40°	75.6
42.5°	68.8
45°	61.9
47.5°	55.7
50°	50.2
52.5°	44.7
55°	39.9
57.5°	36.4
60°	33.0
62.5°	29.6
65°	27.5
67.5°	26.1
70°	24.8
72.5°	23.4
75°	22.0
77.5°	20.6
80°	19.3
82.5°	17.9
85°	16.5
87.5°	15.1
90°	13.8
92.5°	13.1
95°	11.7
97.5°	8.9
100°	6.9
102.5°	4.8
105°	2.8
107.5°	2.1
110°	0.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.7
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)