

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: P229268

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9030-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)
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-1020-9030-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 628.9 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

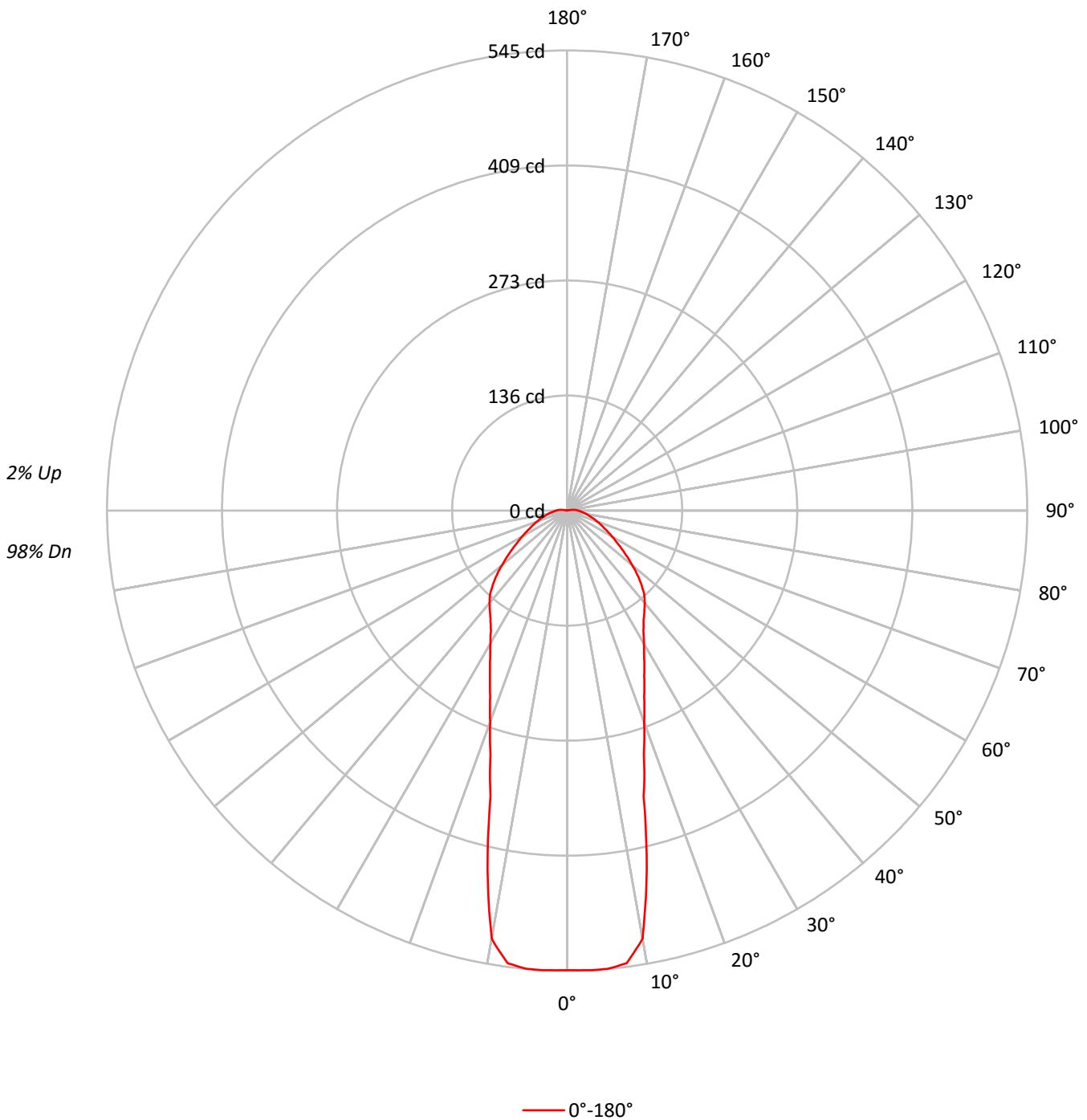
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	106	102	99	96	98	95	92	94	91	89	90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79	84	80	77	81	78	75	73
3	93	84	77	71	91	82	75	70	79	73	69	76	71	67	73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60	69	64	60	67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49	59	53	48	57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44	54	49	44	53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41	51	45	41	50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35510
5°	31897
10°	27513
15°	17346
20°	12390
25°	9515
30°	7667
35°	6450
40°	5688
45°	4863
50°	3904
55°	3042
60°	2391
65°	1888
70°	1526
75°	1216
80°	987
85°	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	8.1
10°-20°	101.1	16.1
20°-30°	100.2	15.9
30°-40°	99.9	15.9
40°-50°	95.3	15.2
50°-60°	71.1	11.3
60°-70°	48.2	7.7
70°-80°	31.4	5.0
80°-90°	19.1	3.0
90°-100°	10.0	1.6
100°-110°	1.3	0.2
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°	252.6	40.2
0°-40°	352.5	56.0
0°-60°	518.9	82.5
0°-90°	617.6	98.2
90°-120°	11.3	1.8
90°-150°	11.3	1.8
90°-180°	11.0	1.7
0°-180°	628.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	544	
5°	545	51
15°	350	101
25°	216	100
35°	158	100
45°	124	95
55°	79	71
65°	48	48
75°	29	31
85°	17	15
90°	13	7
95°	9	7
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°	544.3
2.5°	545.0
5°	545.0
7.5°	540.7
10°	514.9
12.5°	435.6
15°	350.4
17.5°	302.5
20°	266.8
22.5°	238.2
25°	216.0
27.5°	197.4
30°	181.7
32.5°	168.1
35°	158.1
37.5°	150.2
40°	143.0
42.5°	135.2
45°	124.4
47.5°	113.0
50°	100.8
52.5°	89.4
55°	78.7
57.5°	69.4
60°	61.5
62.5°	54.4
65°	47.9
67.5°	42.9
70°	37.9
72.5°	33.6
75°	29.3
77.5°	25.7
80°	22.9
82.5°	20.0
85°	17.2
87.5°	15.0
90°	12.9
92.5°	11.4
95°	9.3
97.5°	7.2
100°	4.3
102.5°	2.1
105°	0.7
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)