

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: P229126

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229126
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-1020-9050-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 582.4 lumens
Efficiency: N/A
Efficacy: 58.8 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

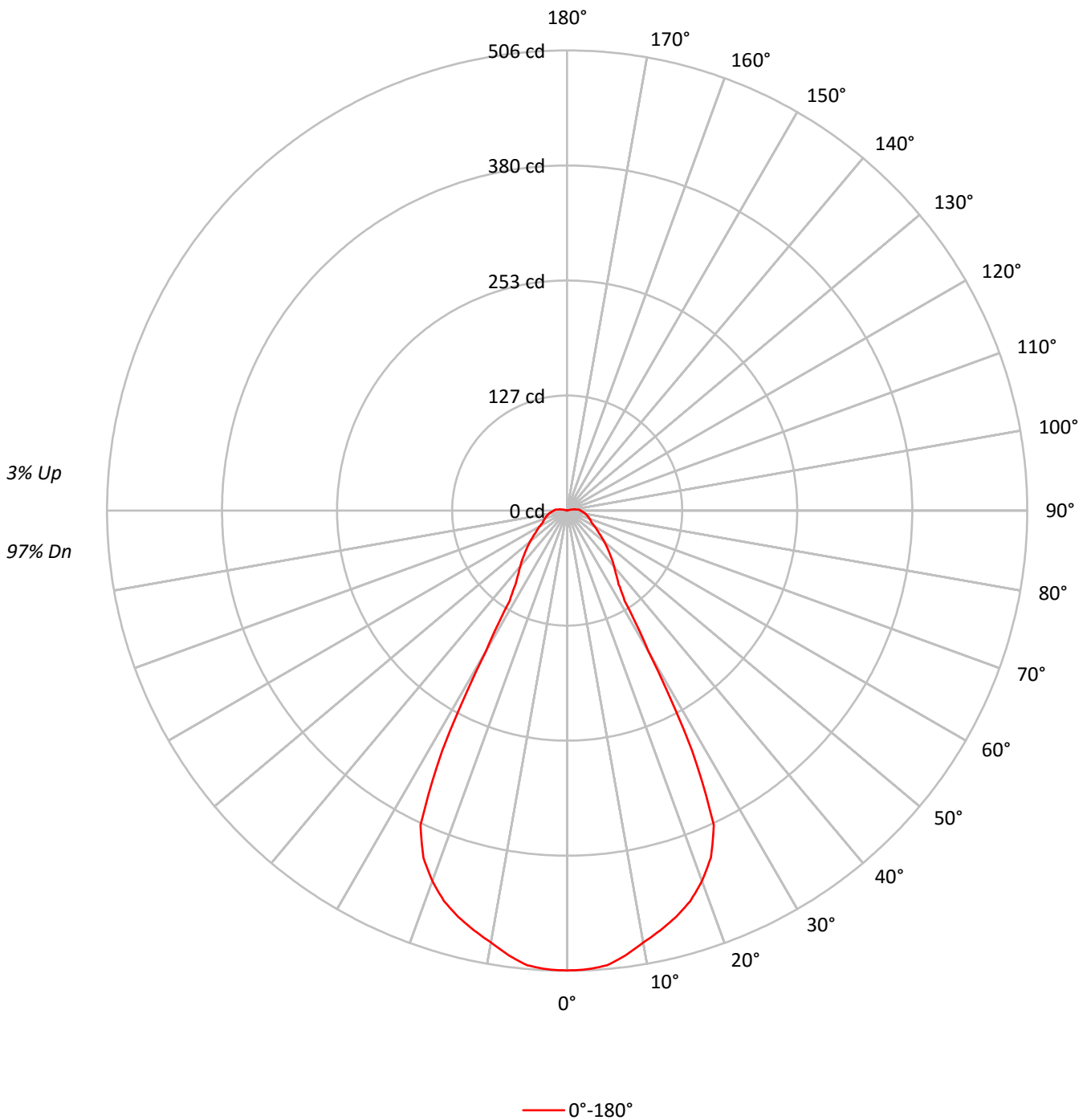
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	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°	32992
5°	29380
10°	25771
15°	22900
20°	20127
25°	16809
30°	7545
35°	4018
40°	3194
45°	2568
50°	2064
55°	1635
60°	1361
65°	1151
70°	1059
75°	967
80°	880
85°	792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	8.1
10°-20°	130.0	22.3
20°-30°	158.5	27.2
30°-40°	67.1	11.5
40°-50°	50.9	8.7
50°-60°	38.5	6.6
60°-70°	29.5	5.1
70°-80°	24.7	4.2
80°-90°	19.1	3.3
90°-100°	12.8	2.2
100°-110°	3.8	0.6
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°	335.7	57.6
0°-40°	402.8	69.2
0°-60°	492.3	84.5
0°-90°	565.6	97.1
90°-120°	16.8	2.9
90°-150°	16.8	2.9
90°-180°	17.0	2.9
0°-180°	582.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	506	
5°	502	47
15°	463	130
25°	382	159
35°	98	67
45°	66	51
55°	42	39
65°	29	29
75°	23	25
85°	18	15
90°	15	8
95°	12	9
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°	505.7
2.5°	504.9
5°	502.0
7.5°	493.3
10°	482.3
12.5°	472.8
15°	462.6
17.5°	450.2
20°	433.4
22.5°	413.0
25°	381.6
27.5°	297.7
30°	178.8
32.5°	117.5
35°	98.5
37.5°	88.3
40°	80.3
42.5°	73.0
45°	65.7
47.5°	59.1
50°	53.3
52.5°	47.4
55°	42.3
57.5°	38.7
60°	35.0
62.5°	31.4
65°	29.2
67.5°	27.7
70°	26.3
72.5°	24.8
75°	23.3
77.5°	21.9
80°	20.4
82.5°	19.0
85°	17.5
87.5°	16.1
90°	14.6
92.5°	13.9
95°	12.4
97.5°	9.5
100°	7.3
102.5°	5.1
105°	2.9
107.5°	2.2
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)