

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: P229124

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9035-6LBW1LI-FF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229124
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-1020-9035-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 579.0 lumens
Efficiency: N/A
Efficacy: 58.5 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

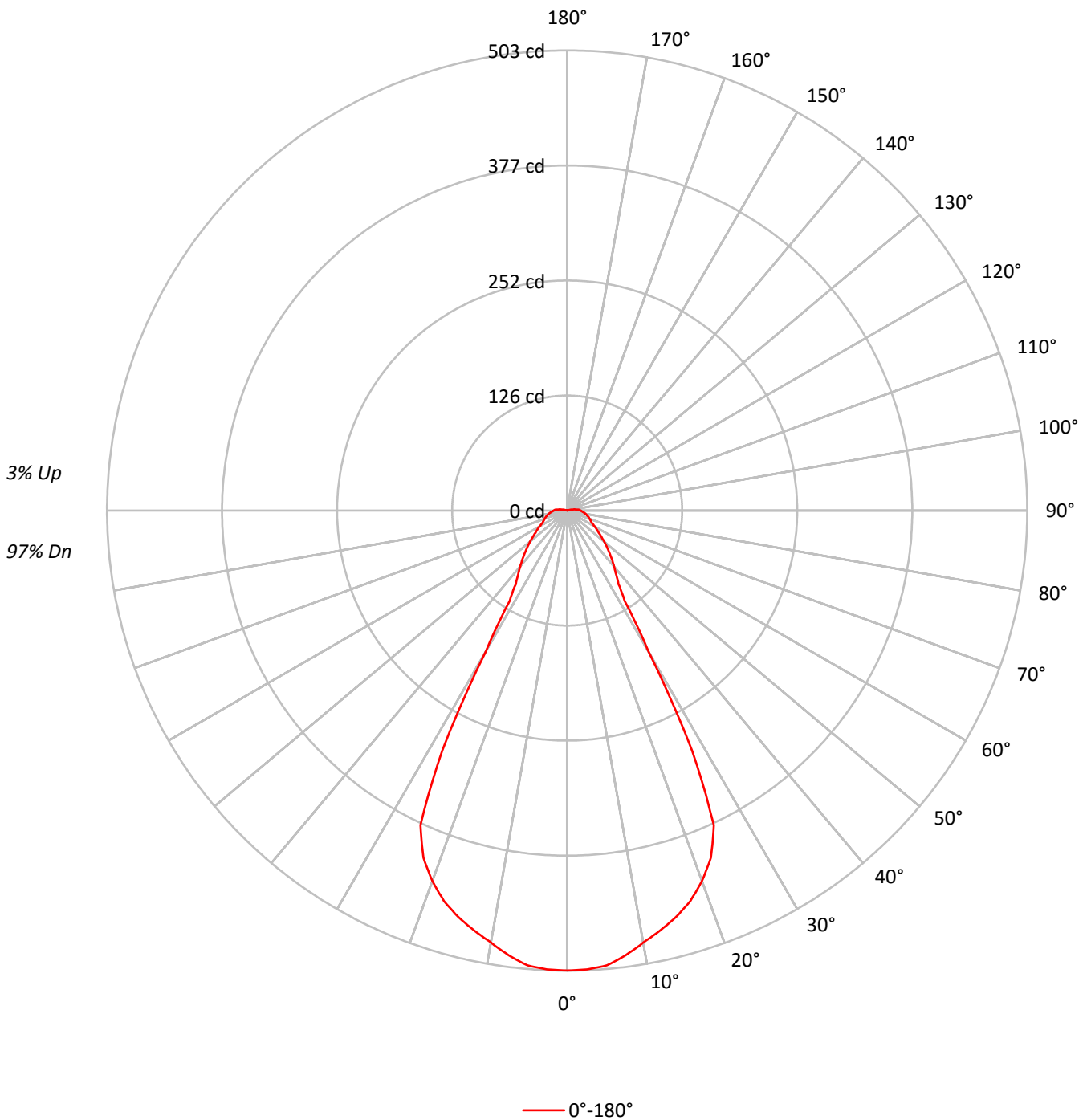
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	32803
5°	29210
10°	25621
15°	22771
20°	20011
25°	16712
30°	7499
35°	3994
40°	3174
45°	2553
50°	2053
55°	1627
60°	1353
65°	1143
70°	1051
75°	963
80°	875
85°	787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	8.1
10°-20°	129.2	22.3
20°-30°	157.6	27.2
30°-40°	66.7	11.5
40°-50°	50.6	8.7
50°-60°	38.4	6.6
60°-70°	29.3	5.1
70°-80°	24.5	4.2
80°-90°	19.0	3.3
90°-100°	12.7	2.2
100°-110°	3.8	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°	333.8	57.6
0°-40°	400.5	69.2
0°-60°	489.5	84.5
0°-90°	562.3	97.1
90°-120°	16.7	2.9
90°-150°	16.7	2.9
90°-180°	17.0	2.9
0°-180°	579.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	503	
5°	499	47
15°	460	129
25°	379	158
35°	98	67
45°	65	51
55°	42	38
65°	29	29
75°	23	25
85°	17	15
90°	14	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°	502.8
2.5°	502.0
5°	499.1
7.5°	490.4
10°	479.5
12.5°	470.1
15°	460.0
17.5°	447.6
20°	430.9
22.5°	410.6
25°	379.4
27.5°	296.0
30°	177.7
32.5°	116.8
35°	97.9
37.5°	87.8
40°	79.8
42.5°	72.5
45°	65.3
47.5°	58.8
50°	53.0
52.5°	47.2
55°	42.1
57.5°	38.5
60°	34.8
62.5°	31.2
65°	29.0
67.5°	27.6
70°	26.1
72.5°	24.7
75°	23.2
77.5°	21.8
80°	20.3
82.5°	18.9
85°	17.4
87.5°	16.0
90°	14.5
92.5°	13.8
95°	12.3
97.5°	9.4
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)