

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: P229210

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229210
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-1020-9030-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 612.6 lumens
Efficiency: N/A
Efficacy: 61.9 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

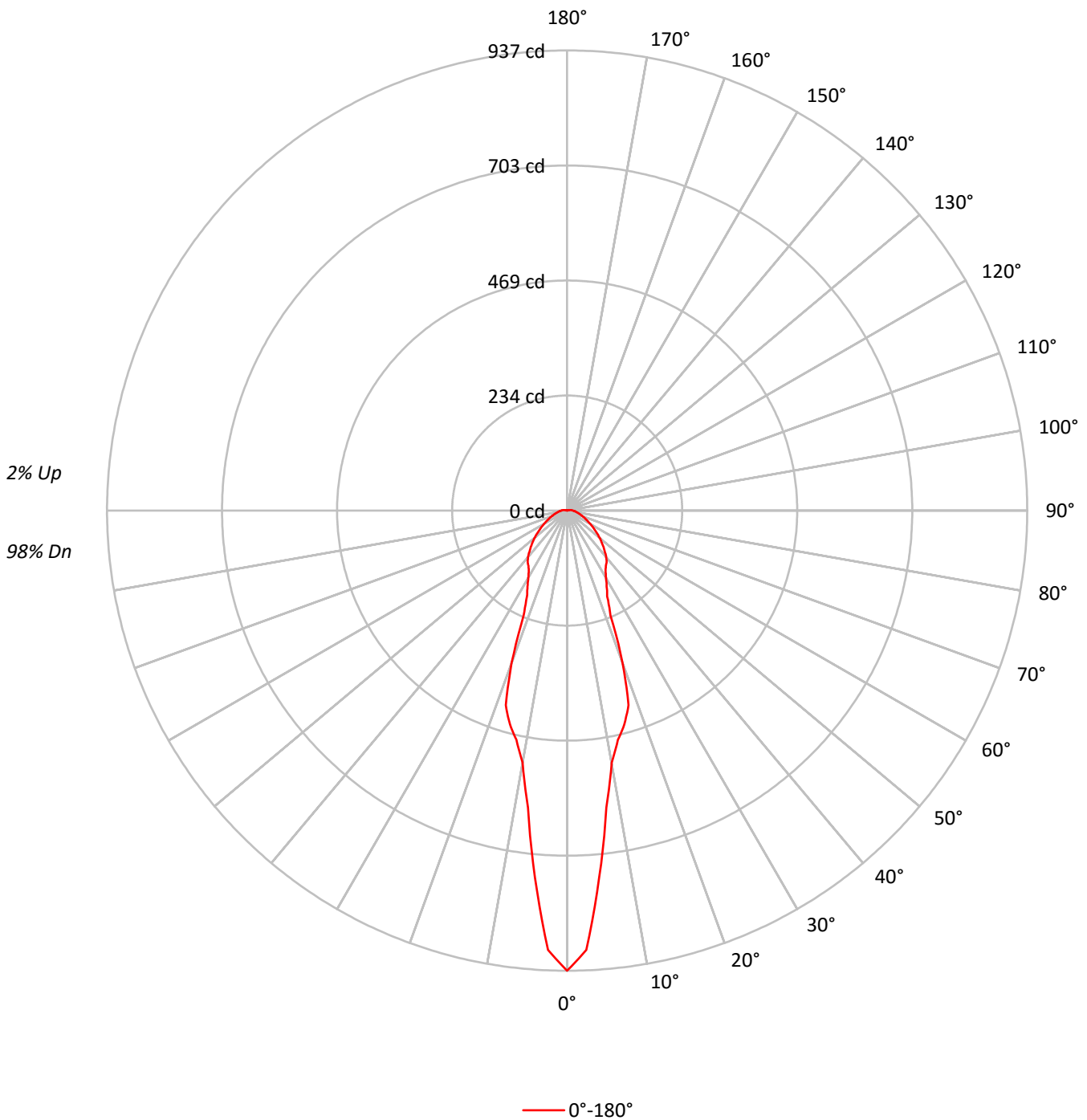
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	59	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°	61124
5°	43906
10°	27860
15°	22306
20°	15344
25°	8506
30°	6672
35°	5601
40°	4920
45°	4081
50°	3350
55°	2656
60°	2115
65°	1663
70°	1325
75°	1066
80°	862
85°	710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	10.5
10°-20°	123.0	20.1
20°-30°	95.5	15.6
30°-40°	86.9	14.2
40°-50°	80.6	13.2
50°-60°	62.0	10.1
60°-70°	42.5	6.9
70°-80°	27.5	4.5
80°-90°	17.1	2.8
90°-100°	9.9	1.6
100°-110°	3.1	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°	282.7	46.1
0°-40°	369.6	60.3
0°-60°	512.2	83.6
0°-90°	599.4	97.8
90°-120°	13.2	2.2
90°-150°	13.2	2.2
90°-180°	13.0	2.1
0°-180°	612.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	937	
5°	750	64
15°	451	123
25°	193	96
35°	137	87
45°	104	81
55°	69	62
65°	42	42
75°	26	28
85°	16	14
90°	11	6
95°	9	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°	936.9
2.5°	895.4
5°	750.2
7.5°	610.1
10°	521.4
12.5°	477.8
15°	450.6
17.5°	415.5
20°	330.4
22.5°	231.0
25°	193.1
27.5°	174.5
30°	158.1
32.5°	145.2
35°	137.3
37.5°	132.3
40°	123.7
42.5°	113.7
45°	104.4
47.5°	95.1
50°	86.5
52.5°	77.2
55°	68.7
57.5°	61.5
60°	54.4
62.5°	47.9
65°	42.2
67.5°	37.9
70°	32.9
72.5°	29.3
75°	25.7
77.5°	22.9
80°	20.0
82.5°	17.9
85°	15.7
87.5°	13.6
90°	11.4
92.5°	10.7
95°	9.3
97.5°	7.9
100°	5.7
102.5°	4.3
105°	2.9
107.5°	1.4
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)