

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: P229293

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9040-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229293
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-40-D010 / 340-EU6B-3040-9040-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2509.4 lumens
Efficiency: N/A
Efficacy: 60.0 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

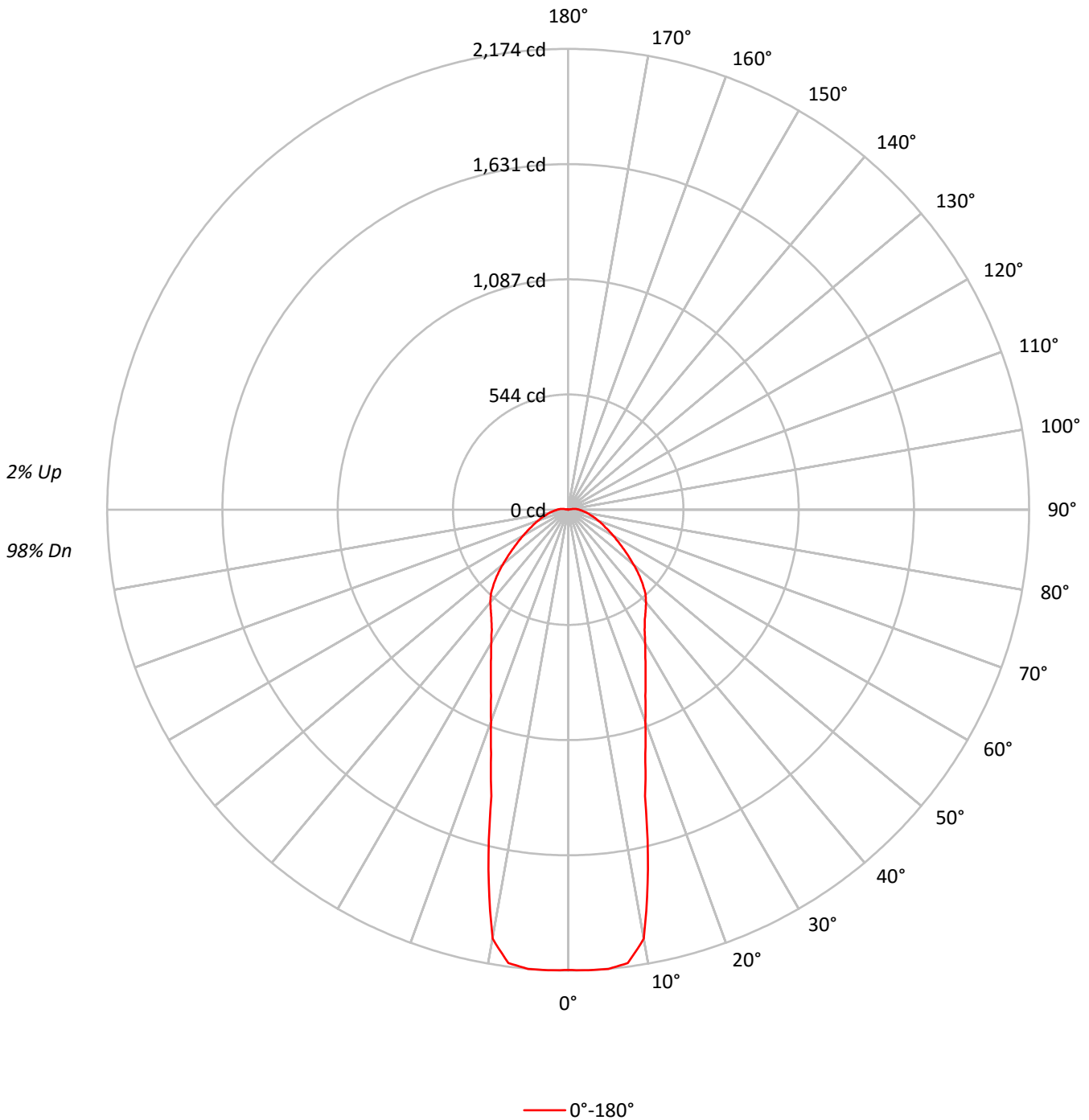
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	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°	141677
5°	127265
10°	109784
15°	69219
20°	49430
25°	37961
30°	30585
35°	25729
40°	22699
45°	19410
50°	15584
55°	12135
60°	9542
65°	7536
70°	6089
75°	4854
80°	3937
85°	3099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.4	8.1
10°-20°	403.6	16.1
20°-30°	399.8	15.9
30°-40°	398.4	15.9
40°-50°	380.2	15.2
50°-60°	283.8	11.3
60°-70°	192.4	7.7
70°-80°	125.4	5.0
80°-90°	76.2	3.0
90°-100°	39.7	1.6
100°-110°	5.4	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°	1007.9	40.2
0°-40°	1406.2	56.0
0°-60°	2070.3	82.5
0°-90°	2464.3	98.2
90°-120°	45.1	1.8
90°-150°	45.1	1.8
90°-180°	45.0	1.8
0°-180°	2509.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2172	
5°	2174	204
15°	1398	404
25°	862	400
35°	631	398
45°	496	380
55°	314	284
65°	191	192
75°	117	125
85°	68	61
90°	51	29
95°	37	26
105°	3	5
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°	2171.6
2.5°	2174.5
5°	2174.5
7.5°	2157.3
10°	2054.6
12.5°	1737.9
15°	1398.3
17.5°	1207.1
20°	1064.4
22.5°	950.3
25°	861.8
27.5°	787.6
30°	724.8
32.5°	670.6
35°	630.7
37.5°	599.3
40°	570.7
42.5°	539.3
45°	496.5
47.5°	450.9
50°	402.4
52.5°	356.7
55°	313.9
57.5°	276.8
60°	245.4
62.5°	216.9
65°	191.2
67.5°	171.2
70°	151.2
72.5°	134.1
75°	117.0
77.5°	102.7
80°	91.3
82.5°	79.9
85°	68.5
87.5°	59.9
90°	51.4
92.5°	45.7
95°	37.1
97.5°	28.5
100°	17.1
102.5°	8.6
105°	2.9
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)