

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: P229265

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9050-6LBW1LI-GFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)
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-3040-9050-6LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2348.6 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

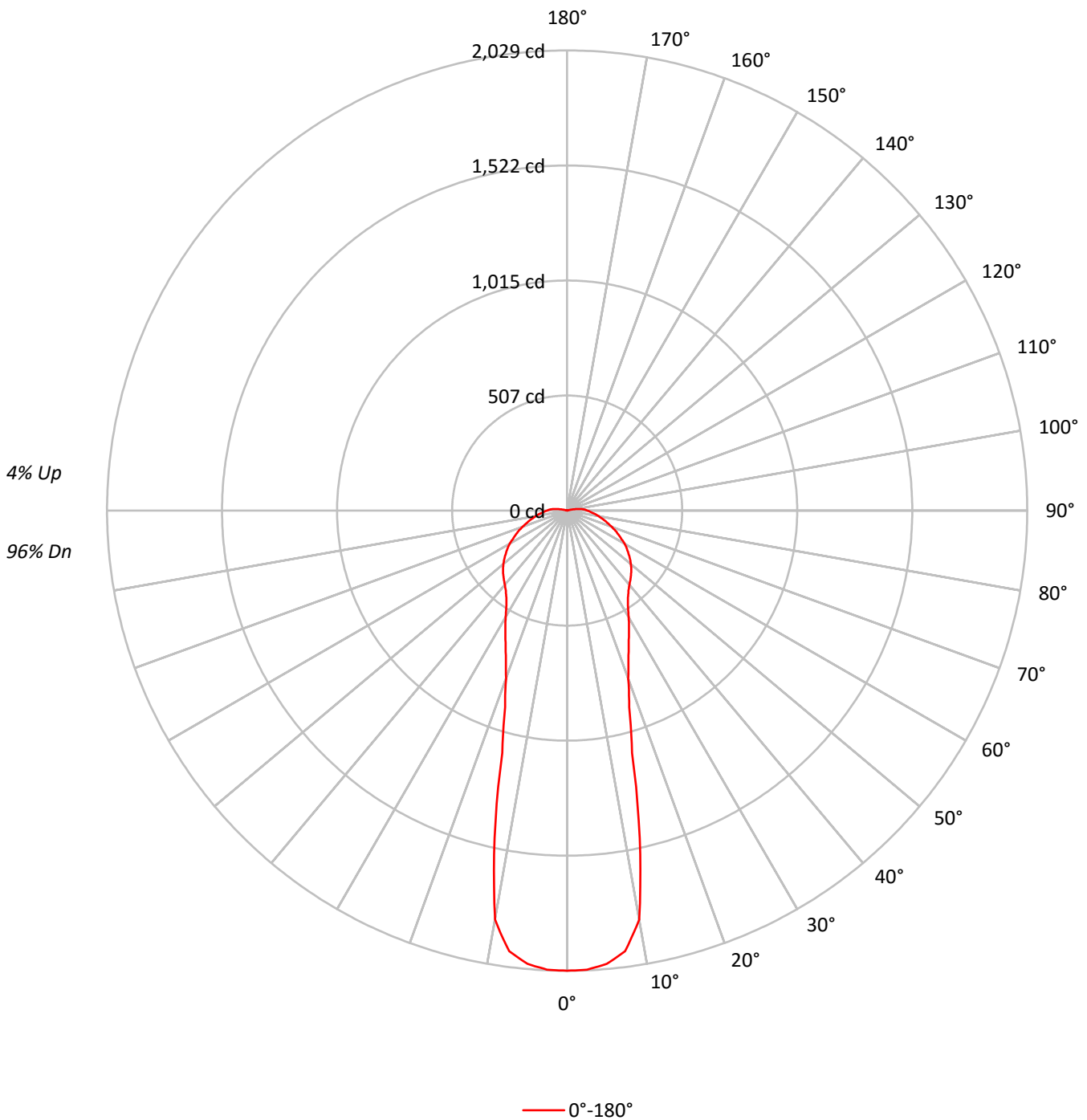
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48	58	52	47	56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	50	43	39	48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36	46	40	36	45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	132373
5°	117409
10°	97852
15°	54759
20°	36599
25°	28275
30°	22855
35°	19055
40°	16984
45°	15575
50°	14205
55°	12741
60°	11366
65°	9826
70°	8425
75°	7132
80°	6054
85°	5058



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	7.9
10°-20°	324.8	13.8
20°-30°	297.9	12.7
30°-40°	296.1	12.6
40°-50°	307.6	13.1
50°-60°	295.7	12.6
60°-70°	247.3	10.5
70°-80°	182.4	7.8
80°-90°	123.4	5.3
90°-100°	71.6	3.0
100°-110°	14.9	0.6
110°-120°	0.4	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°	809.1	34.5
0°-40°	1105.3	47.1
0°-60°	1708.5	72.7
0°-90°	2261.7	96.3
90°-120°	86.9	3.7
90°-150°	86.9	3.7
90°-180°	87.0	3.7
0°-180°	2348.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2029	
5°	2006	187
15°	1106	325
25°	642	298
35°	467	296
45°	398	308
55°	330	296
65°	249	247
75°	172	182
85°	112	98
90°	89	49
95°	69	48
105°	12	15
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°	2029.0
2.5°	2026.1
5°	2006.1
7.5°	1960.2
10°	1831.3
12.5°	1478.8
15°	1106.2
17.5°	908.5
20°	788.1
22.5°	705.0
25°	641.9
27.5°	590.4
30°	541.6
32.5°	498.7
35°	467.1
37.5°	444.2
40°	427.0
42.5°	412.7
45°	398.4
47.5°	384.0
50°	366.8
52.5°	349.6
55°	329.6
57.5°	312.4
60°	292.3
62.5°	269.4
65°	249.3
67.5°	229.3
70°	209.2
72.5°	189.1
75°	171.9
77.5°	154.8
80°	140.4
82.5°	126.1
85°	111.8
87.5°	100.3
90°	88.8
92.5°	80.2
95°	68.8
97.5°	51.6
100°	34.4
102.5°	20.1
105°	11.5
107.5°	5.7
110°	2.9



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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)