

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: P229260

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-GFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229260
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-3040-9024-6LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1947.4 lumens
Efficiency: N/A
Efficacy: 46.6 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

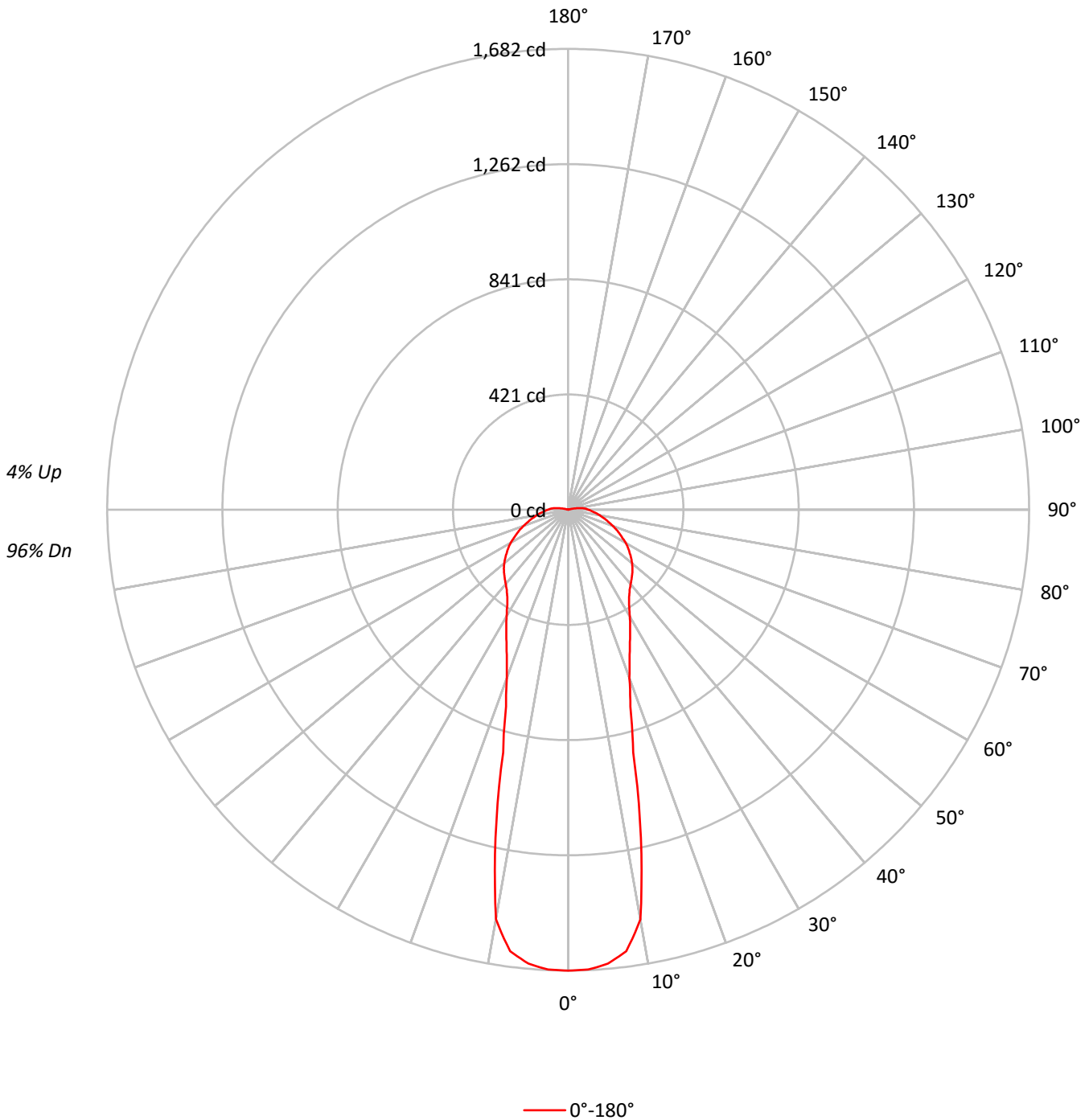
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	109761
5°	97352
10°	81138
15°	45408
20°	30348
25°	23447
30°	18951
35°	15800
40°	14084
45°	12913
50°	11781
55°	10565
60°	9425
65°	8147
70°	6987
75°	5916
80°	5019
85°	4194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	7.9
10°-20°	269.3	13.8
20°-30°	247.0	12.7
30°-40°	245.5	12.6
40°-50°	255.1	13.1
50°-60°	245.2	12.6
60°-70°	205.1	10.5
70°-80°	151.2	7.8
80°-90°	102.4	5.3
90°-100°	59.4	3.0
100°-110°	12.4	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°	670.9	34.5
0°-40°	916.5	47.1
0°-60°	1416.7	72.7
0°-90°	1875.4	96.3
90°-120°	72.0	3.7
90°-150°	72.0	3.7
90°-180°	72.0	3.7
0°-180°	1947.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1682	
5°	1663	155
15°	917	269
25°	532	247
35°	387	246
45°	330	255
55°	273	245
65°	207	205
75°	143	151
85°	93	81
90°	74	41
95°	57	40
105°	10	12
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°	1682.4
2.5°	1680.1
5°	1663.4
7.5°	1625.4
10°	1518.5
12.5°	1226.2
15°	917.3
17.5°	753.3
20°	653.5
22.5°	584.6
25°	532.3
27.5°	489.5
30°	449.1
32.5°	413.5
35°	387.3
37.5°	368.3
40°	354.1
42.5°	342.2
45°	330.3
47.5°	318.4
50°	304.2
52.5°	289.9
55°	273.3
57.5°	259.0
60°	242.4
62.5°	223.4
65°	206.7
67.5°	190.1
70°	173.5
72.5°	156.8
75°	142.6
77.5°	128.3
80°	116.4
82.5°	104.6
85°	92.7
87.5°	83.2
90°	73.7
92.5°	66.5
95°	57.0
97.5°	42.8
100°	28.5
102.5°	16.6
105°	9.5
107.5°	4.8
110°	2.4



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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)