

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: P229202

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
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-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2060.3 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

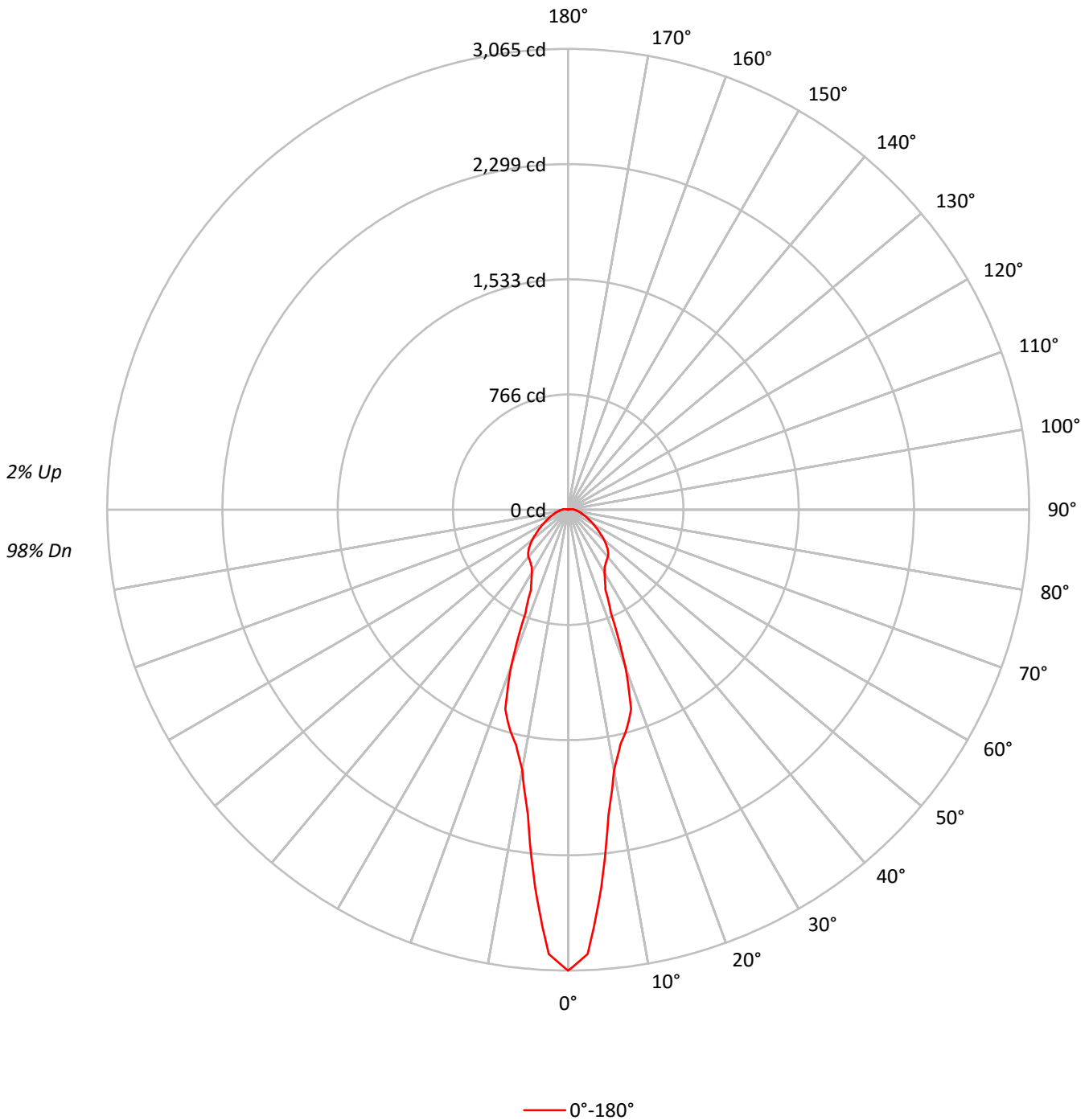
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	98	107	103	99	96	98	95	93	94	92	90	90	88	87	84				
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74				
3	94	85	78	72	92	83	77	72	80	75	70	77	73	69	75	71	67	65				
4	88	77	70	64	85	76	69	64	73	67	63	71	66	62	69	64	61	59				
5	82	71	63	58	80	70	63	57	68	61	56	66	60	56	64	59	55	53				
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49				
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	47	45				
8	69	57	50	44	67	56	49	44	55	48	44	53	48	44	52	47	43	42				
9	65	53	46	41	64	53	46	41	52	45	41	50	45	41	49	44	40	39				
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	36				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	199989
5°	147555
10°	93834
15°	74580
20°	51427
25°	25852
30°	20356
35°	17742
40°	16351
45°	14492
50°	12056
55°	9552
60°	7578
65°	5995
70°	4688
75°	3746
80°	3074
85°	2475



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.7	10.4
10°-20°	412.2	20.0
20°-30°	299.3	14.5
30°-40°	274.6	13.3
40°-50°	283.3	13.7
50°-60°	222.6	10.8
60°-70°	151.4	7.3
70°-80°	96.9	4.7
80°-90°	59.9	2.9
90°-100°	34.7	1.7
100°-110°	10.5	0.5
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°	926.2	45.0
0°-40°	1200.7	58.3
0°-60°	1706.6	82.8
0°-90°	2014.8	97.8
90°-120°	45.5	2.2
90°-150°	45.5	2.2
90°-180°	45.0	2.2
0°-180°	2060.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3065	
5°	2521	215
15°	1507	412
25°	587	299
35°	435	275
45°	371	283
55°	247	223
65°	152	151
75°	90	97
85°	55	48
90°	40	23
95°	33	24
105°	10	10
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°	3065.4
2.5°	2958.5
5°	2521.2
7.5°	2048.4
10°	1756.1
12.5°	1601.6
15°	1506.6
17.5°	1390.1
20°	1107.4
22.5°	741.4
25°	586.9
27.5°	527.5
30°	482.4
32.5°	451.5
35°	434.9
37.5°	420.6
40°	411.1
42.5°	394.5
45°	370.7
47.5°	342.2
50°	311.3
52.5°	278.0
55°	247.1
57.5°	218.6
60°	194.9
62.5°	171.1
65°	152.1
67.5°	133.1
70°	116.4
72.5°	102.2
75°	90.3
77.5°	80.8
80°	71.3
82.5°	61.8
85°	54.7
87.5°	47.5
90°	40.4
92.5°	38.0
95°	33.3
97.5°	26.1
100°	19.0
102.5°	14.3
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)