

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: P229257

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9035-6LBW1LI-GFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229257
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-30-D010 / 340-EU6B-3040-9035-6LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1651.7 lumens
Efficiency: N/A
Efficacy: 59.0 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

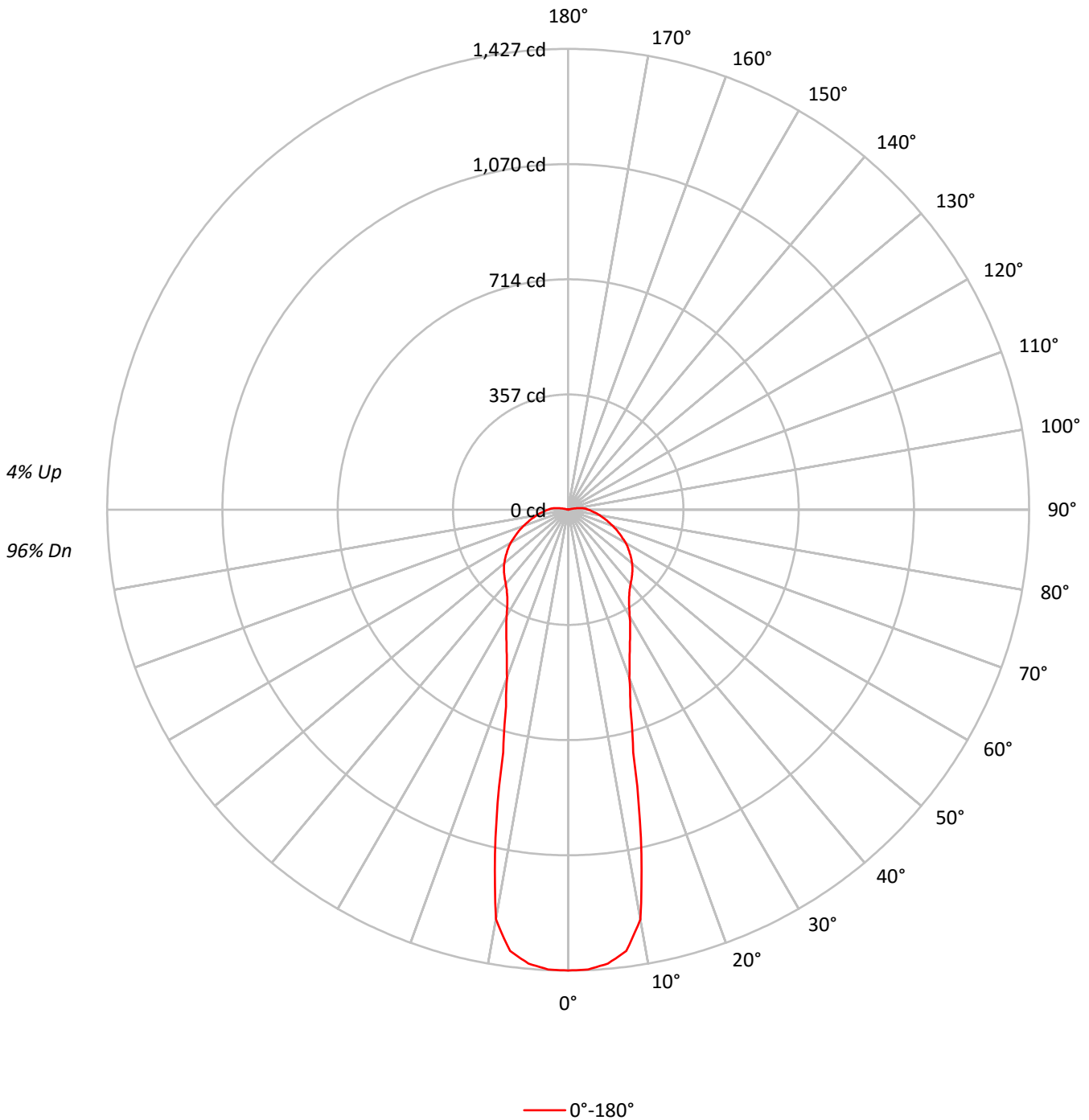
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	93098
5°	82568
10°	68816
15°	38513
20°	25741
25°	19888
30°	16073
35°	13401
40°	11944
45°	10954
50°	9991
55°	8961
60°	7994
65°	6909
70°	5924
75°	5016
80°	4260
85°	3556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	7.9
10°-20°	228.4	13.8
20°-30°	209.5	12.7
30°-40°	208.3	12.6
40°-50°	216.3	13.1
50°-60°	208.0	12.6
60°-70°	173.9	10.5
70°-80°	128.3	7.8
80°-90°	86.8	5.3
90°-100°	50.4	3.0
100°-110°	10.5	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°	569.1	34.5
0°-40°	777.3	47.1
0°-60°	1201.6	72.7
0°-90°	1590.6	96.3
90°-120°	61.1	3.7
90°-150°	61.1	3.7
90°-180°	61.0	3.7
0°-180°	1651.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1427	
5°	1411	131
15°	778	228
25°	452	209
35°	328	208
45°	280	216
55°	232	208
65°	175	174
75°	121	128
85°	79	69
90°	62	35
95°	48	34
105°	8	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°	1427.0
2.5°	1425.0
5°	1410.8
7.5°	1378.6
10°	1287.9
12.5°	1040.0
15°	778.0
17.5°	638.9
20°	554.3
22.5°	495.8
25°	451.5
27.5°	415.2
30°	380.9
32.5°	350.7
35°	328.5
37.5°	312.4
40°	300.3
42.5°	290.2
45°	280.2
47.5°	270.1
50°	258.0
52.5°	245.9
55°	231.8
57.5°	219.7
60°	205.6
62.5°	189.5
65°	175.3
67.5°	161.2
70°	147.1
72.5°	133.0
75°	120.9
77.5°	108.8
80°	98.8
82.5°	88.7
85°	78.6
87.5°	70.5
90°	62.5
92.5°	56.4
95°	48.4
97.5°	36.3
100°	24.2
102.5°	14.1
105°	8.1
107.5°	4.0
110°	2.0



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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)