

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: P229254

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9024-6LBW1LI-GFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229254
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-3040-9024-6LBW1LI-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: 1377.6 lumens
Efficiency: N/A
Efficacy: 49.2 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

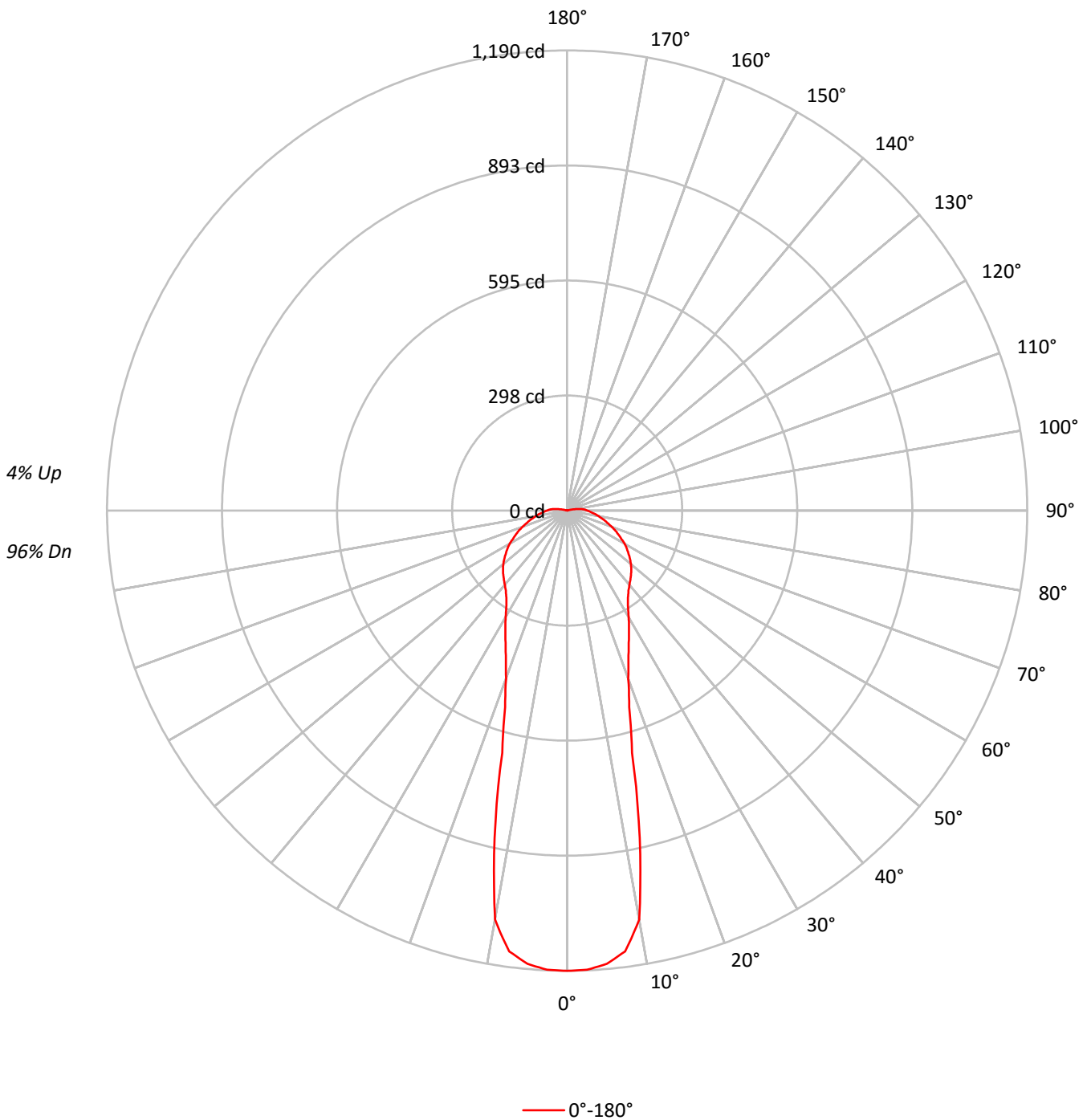
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	77643
5°	68862
10°	57392
15°	32117
20°	21464
25°	16584
30°	13406
35°	11178
40°	9963
45°	9132
50°	8334
55°	7472
60°	6669
65°	5762
70°	4941
75°	4186
80°	3553
85°	2968



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	7.9
10°-20°	190.5	13.8
20°-30°	174.7	12.7
30°-40°	173.7	12.6
40°-50°	180.4	13.1
50°-60°	173.4	12.6
60°-70°	145.1	10.5
70°-80°	107.0	7.8
80°-90°	72.4	5.3
90°-100°	42.0	3.0
100°-110°	8.8	0.6
110°-120°	0.2	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°	474.6	34.4
0°-40°	648.3	47.1
0°-60°	1002.1	72.7
0°-90°	1326.6	96.3
90°-120°	51.0	3.7
90°-150°	51.0	3.7
90°-180°	51.0	3.7
0°-180°	1377.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1190	
5°	1177	109
15°	649	190
25°	376	175
35°	274	174
45°	234	180
55°	193	173
65°	146	145
75°	101	107
85°	66	57
90°	52	29
95°	40	28
105°	7	9
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°	1190.1
2.5°	1188.4
5°	1176.6
7.5°	1149.7
10°	1074.1
12.5°	867.3
15°	648.8
17.5°	532.8
20°	462.2
22.5°	413.5
25°	376.5
27.5°	346.3
30°	317.7
32.5°	292.5
35°	274.0
37.5°	260.5
40°	250.5
42.5°	242.0
45°	233.6
47.5°	225.2
50°	215.2
52.5°	205.1
55°	193.3
57.5°	183.2
60°	171.5
62.5°	158.0
65°	146.2
67.5°	134.5
70°	122.7
72.5°	110.9
75°	100.9
77.5°	90.8
80°	82.4
82.5°	74.0
85°	65.6
87.5°	58.8
90°	52.1
92.5°	47.1
95°	40.3
97.5°	30.3
100°	20.2
102.5°	11.8
105°	6.7
107.5°	3.4
110°	1.7



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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)