

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: P229286

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)
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-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1772.3 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

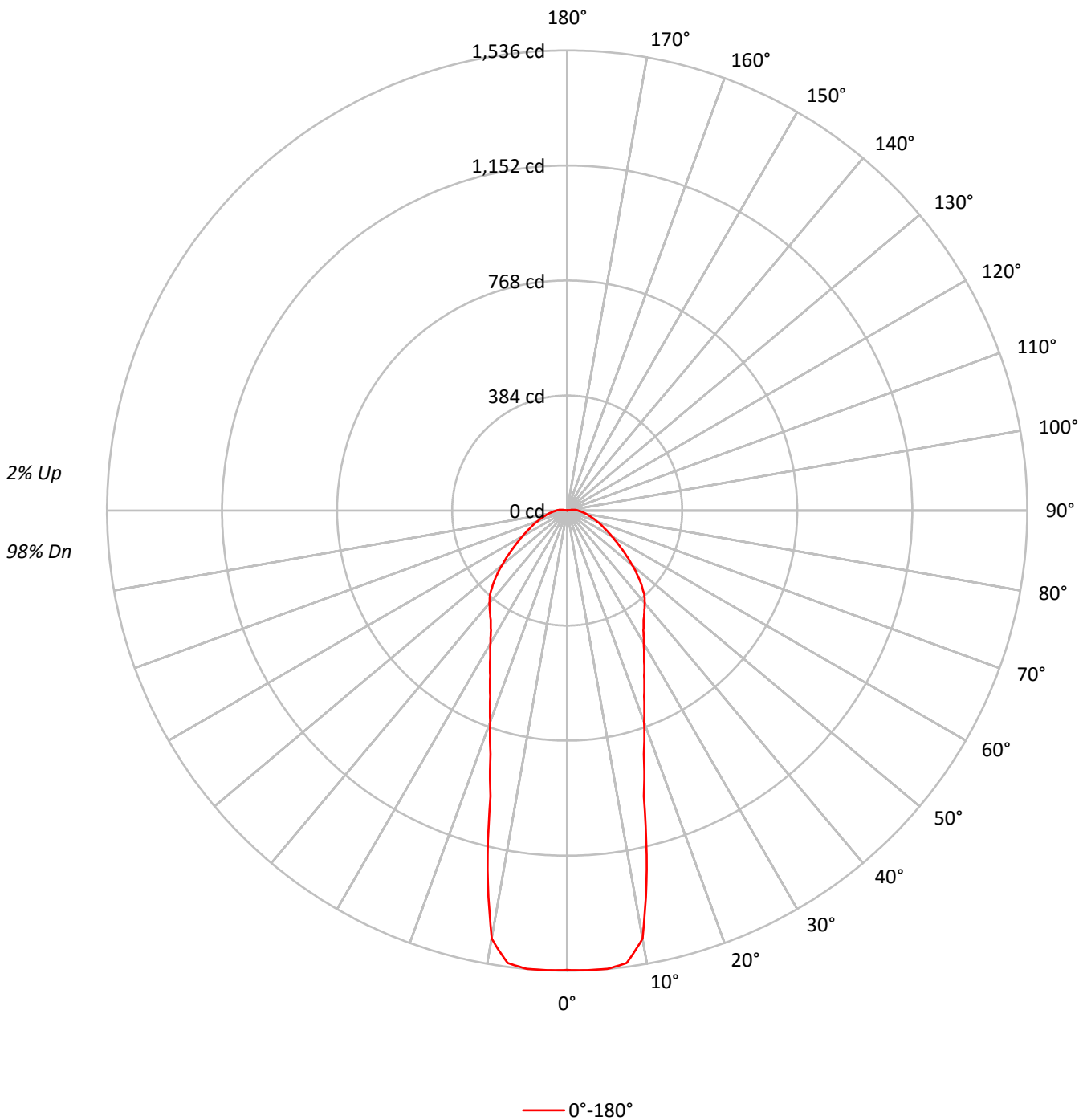
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	109	105	101	97	106	102	99	96	98	95	92	94	91	89	90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79	84	80	77	81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69	76	71	67	73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60	69	64	60	67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49	59	53	48	57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44	54	49	44	53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41	51	45	41	50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100066
5°	89884
10°	77537
15°	48888
20°	34913
25°	26813
30°	21601
35°	18170
40°	16033
45°	13710
50°	11006
55°	8570
60°	6739
65°	5321
70°	4301
75°	3427
80°	2781
85°	2190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	8.1
10°-20°	285.0	16.1
20°-30°	282.4	15.9
30°-40°	281.4	15.9
40°-50°	268.5	15.2
50°-60°	200.4	11.3
60°-70°	135.9	7.7
70°-80°	88.6	5.0
80°-90°	53.8	3.0
90°-100°	28.1	1.6
100°-110°	3.8	0.2
110°-120°	0.0	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°	711.8	40.2
0°-40°	993.2	56.0
0°-60°	1462.2	82.5
0°-90°	1740.4	98.2
90°-120°	31.8	1.8
90°-150°	31.8	1.8
90°-180°	32.0	1.8
0°-180°	1772.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1534	
5°	1536	144
15°	988	285
25°	609	282
35°	445	281
45°	351	269
55°	222	200
65°	135	136
75°	83	89
85°	48	43
90°	36	20
95°	26	19
105°	2	4
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°	1533.8
2.5°	1535.8
5°	1535.8
7.5°	1523.7
10°	1451.1
12.5°	1227.4
15°	987.6
17.5°	852.5
20°	751.8
22.5°	671.2
25°	608.7
27.5°	556.3
30°	511.9
32.5°	473.6
35°	445.4
37.5°	423.3
40°	403.1
42.5°	380.9
45°	350.7
47.5°	318.4
50°	284.2
52.5°	251.9
55°	221.7
57.5°	195.5
60°	173.3
62.5°	153.2
65°	135.0
67.5°	120.9
70°	106.8
72.5°	94.7
75°	82.6
77.5°	72.6
80°	64.5
82.5°	56.4
85°	48.4
87.5°	42.3
90°	36.3
92.5°	32.2
95°	26.2
97.5°	20.2
100°	12.1
102.5°	6.0
105°	2.0
107.5°	0.0
110°	0.0



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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)