

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: P229287

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9040-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229287
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-3040-9040-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1775.0 lumens
Efficiency: N/A
Efficacy: 63.4 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

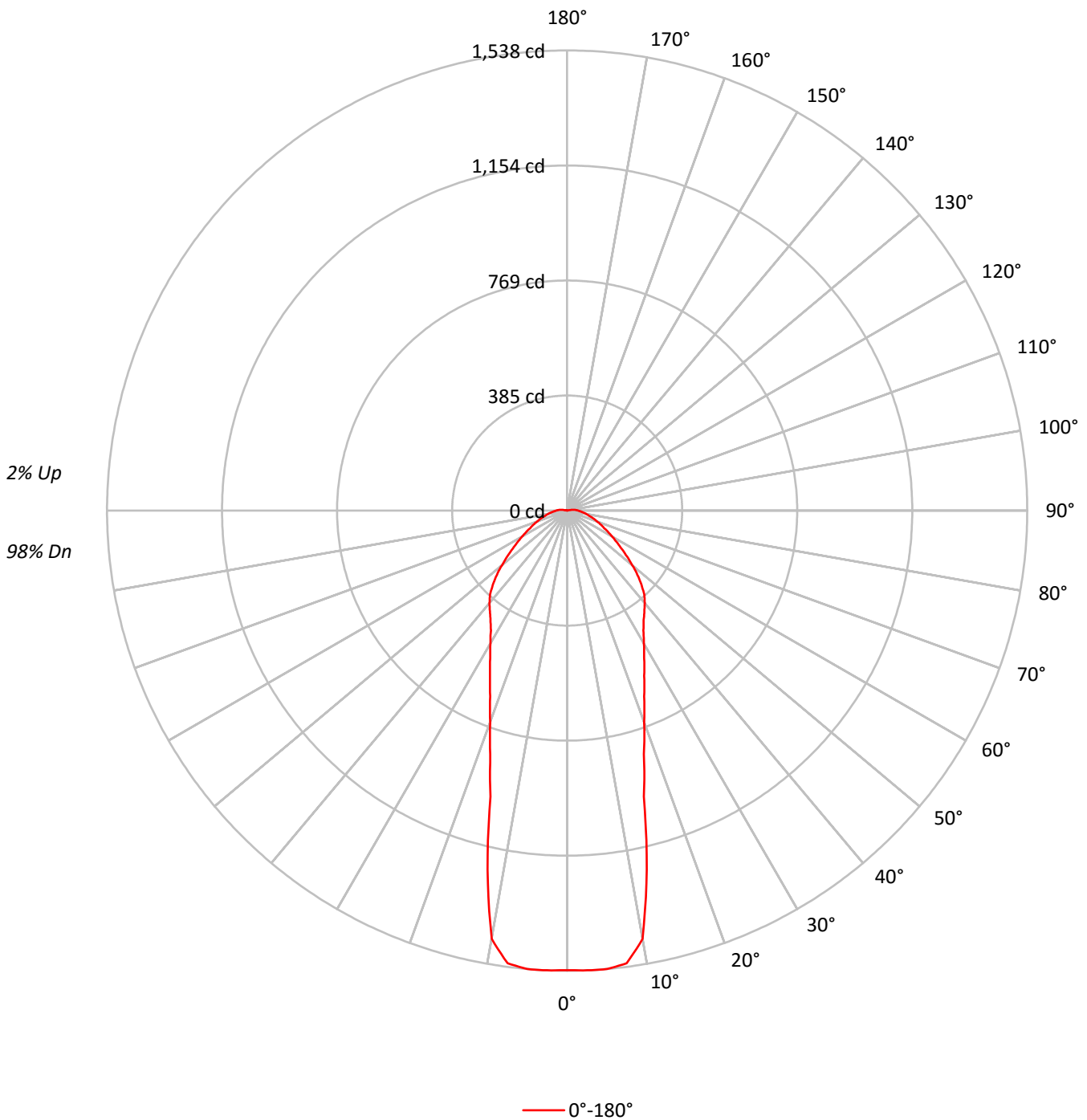
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	100216
5°	90019
10°	77654
15°	48963
20°	34964
25°	26852
30°	21635
35°	18198
40°	16057
45°	13730
50°	11022
55°	8582
60°	6750
65°	5329
70°	4309
75°	3435
80°	2785
85°	2190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	8.1
10°-20°	285.5	16.1
20°-30°	282.8	15.9
30°-40°	281.8	15.9
40°-50°	269.0	15.2
50°-60°	200.7	11.3
60°-70°	136.1	7.7
70°-80°	88.7	5.0
80°-90°	53.9	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°	712.9	40.2
0°-40°	994.7	56.0
0°-60°	1464.4	82.5
0°-90°	1743.1	98.2
90°-120°	31.9	1.8
90°-150°	31.9	1.8
90°-180°	32.0	1.8
0°-180°	1775.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1536	
5°	1538	145
15°	989	285
25°	610	283
35°	446	282
45°	351	269
55°	222	201
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°	1536.1
2.5°	1538.1
5°	1538.1
7.5°	1526.0
10°	1453.3
12.5°	1229.3
15°	989.1
17.5°	853.8
20°	752.9
22.5°	672.2
25°	609.6
27.5°	557.1
30°	512.7
32.5°	474.4
35°	446.1
37.5°	423.9
40°	403.7
42.5°	381.5
45°	351.2
47.5°	318.9
50°	284.6
52.5°	252.3
55°	222.0
57.5°	195.8
60°	173.6
62.5°	153.4
65°	135.2
67.5°	121.1
70°	107.0
72.5°	94.9
75°	82.8
77.5°	72.7
80°	64.6
82.5°	56.5
85°	48.4
87.5°	42.4
90°	36.3
92.5°	32.3
95°	26.2
97.5°	20.2
100°	12.1
102.5°	6.1
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)