

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: P229285

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9030-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229285
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-3040-9030-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1747.2 lumens
Efficiency: N/A
Efficacy: 62.4 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

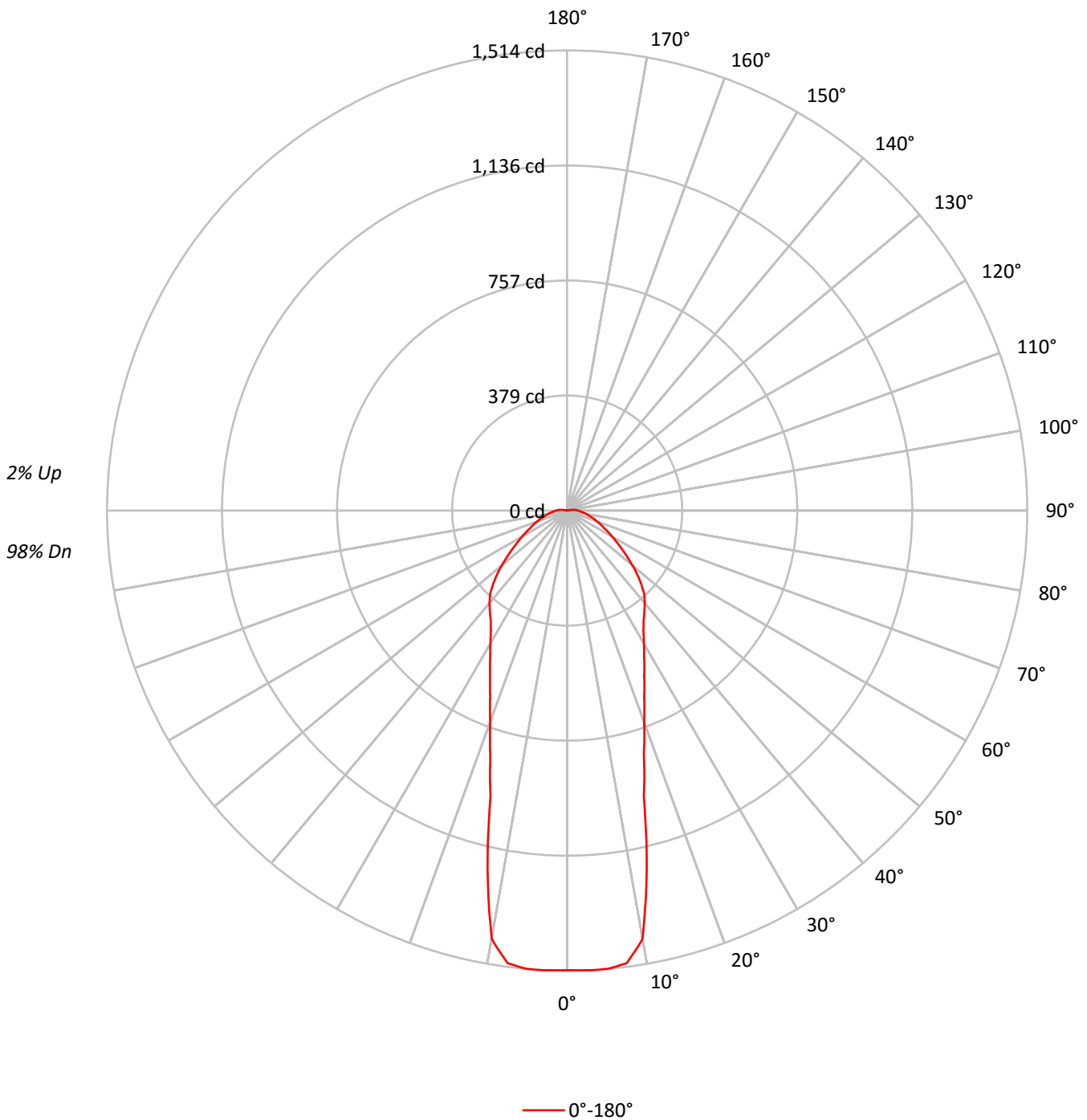
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	98644
5°	88608
10°	76441
15°	48195
20°	34416
25°	26434
30°	21297
35°	17913
40°	15806
45°	13515
50°	10851
55°	8450
60°	6645
65°	5246
70°	4241
75°	3381
80°	2742
85°	2158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.3	8.1
10°-20°	281.0	16.1
20°-30°	278.4	15.9
30°-40°	277.4	15.9
40°-50°	264.7	15.2
50°-60°	197.6	11.3
60°-70°	133.9	7.7
70°-80°	87.3	5.0
80°-90°	53.1	3.0
90°-100°	27.7	1.6
100°-110°	3.7	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°	701.8	40.2
0°-40°	979.1	56.0
0°-60°	1441.5	82.5
0°-90°	1715.8	98.2
90°-120°	31.4	1.8
90°-150°	31.4	1.8
90°-180°	31.0	1.8
0°-180°	1747.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1512	
5°	1514	142
15°	974	281
25°	600	278
35°	439	277
45°	346	265
55°	219	198
65°	133	134
75°	82	87
85°	48	42
90°	36	20
95°	26	18
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°	1512.0
2.5°	1514.0
5°	1514.0
7.5°	1502.1
10°	1430.6
12.5°	1210.0
15°	973.6
17.5°	840.5
20°	741.1
22.5°	661.6
25°	600.1
27.5°	548.4
30°	504.7
32.5°	466.9
35°	439.1
37.5°	417.3
40°	397.4
42.5°	375.5
45°	345.7
47.5°	313.9
50°	280.2
52.5°	248.4
55°	218.6
57.5°	192.7
60°	170.9
62.5°	151.0
65°	133.1
67.5°	119.2
70°	105.3
72.5°	93.4
75°	81.5
77.5°	71.5
80°	63.6
82.5°	55.6
85°	47.7
87.5°	41.7
90°	35.8
92.5°	31.8
95°	25.8
97.5°	19.9
100°	11.9
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)