

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: P229227

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)
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-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1701.9 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

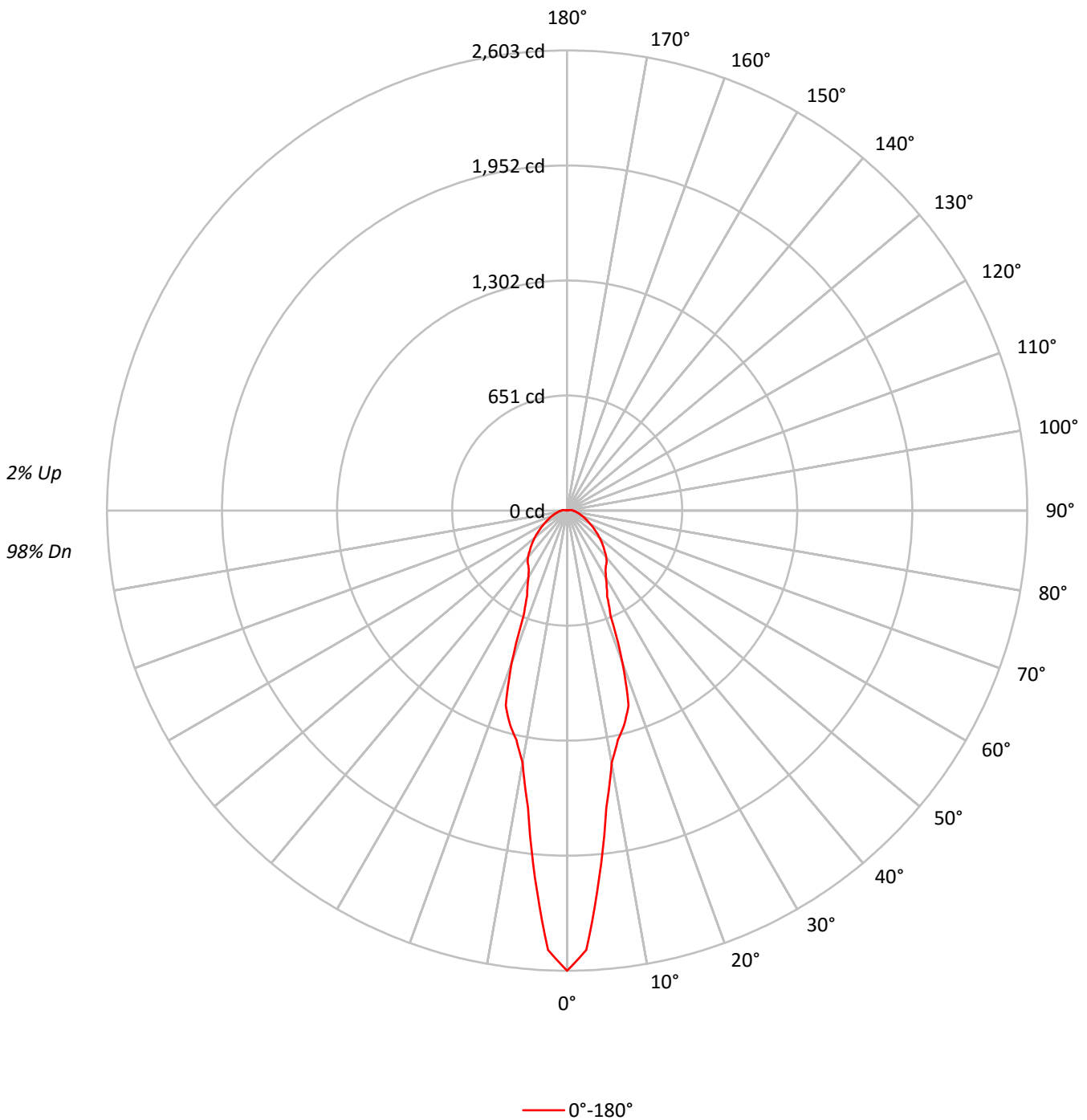
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	97	98	96	93	94	92	90	90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81	85	82	78	82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71	78	73	70	75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63	72	67	62	69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57	66	61	57	64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169815
5°	121986
10°	77398
15°	61967
20°	42631
25°	23632
30°	18529
35°	15563
40°	13670
45°	11341
50°	9310
55°	7372
60°	5871
65°	4619
70°	3681
75°	2966
80°	2397
85°	1977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	10.5
10°-20°	341.8	20.1
20°-30°	265.4	15.6
30°-40°	241.4	14.2
40°-50°	224.0	13.2
50°-60°	172.4	10.1
60°-70°	118.0	6.9
70°-80°	76.6	4.5
80°-90°	47.7	2.8
90°-100°	27.7	1.6
100°-110°	8.7	0.5
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°	785.3	46.1
0°-40°	1026.7	60.3
0°-60°	1423.1	83.6
0°-90°	1665.3	97.8
90°-120°	36.6	2.2
90°-150°	36.6	2.2
90°-180°	37.0	2.2
0°-180°	1701.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2603	
5°	2084	178
15°	1252	342
25°	536	265
35°	382	241
45°	290	224
55°	191	172
65°	117	118
75°	72	77
85°	44	38
90°	32	18
95°	26	19
105°	8	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°	2602.9
2.5°	2487.6
5°	2084.3
7.5°	1694.8
10°	1448.5
12.5°	1327.3
15°	1251.8
17.5°	1154.4
20°	918.0
22.5°	641.8
25°	536.5
27.5°	484.8
30°	439.1
32.5°	403.3
35°	381.5
37.5°	367.6
40°	343.7
42.5°	315.9
45°	290.1
47.5°	264.3
50°	240.4
52.5°	214.6
55°	190.7
57.5°	170.9
60°	151.0
62.5°	133.1
65°	117.2
67.5°	105.3
70°	91.4
72.5°	81.5
75°	71.5
77.5°	63.6
80°	55.6
82.5°	49.7
85°	43.7
87.5°	37.8
90°	31.8
92.5°	29.8
95°	25.8
97.5°	21.9
100°	15.9
102.5°	11.9
105°	7.9
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)