

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: P229141

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)
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-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1608.6 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

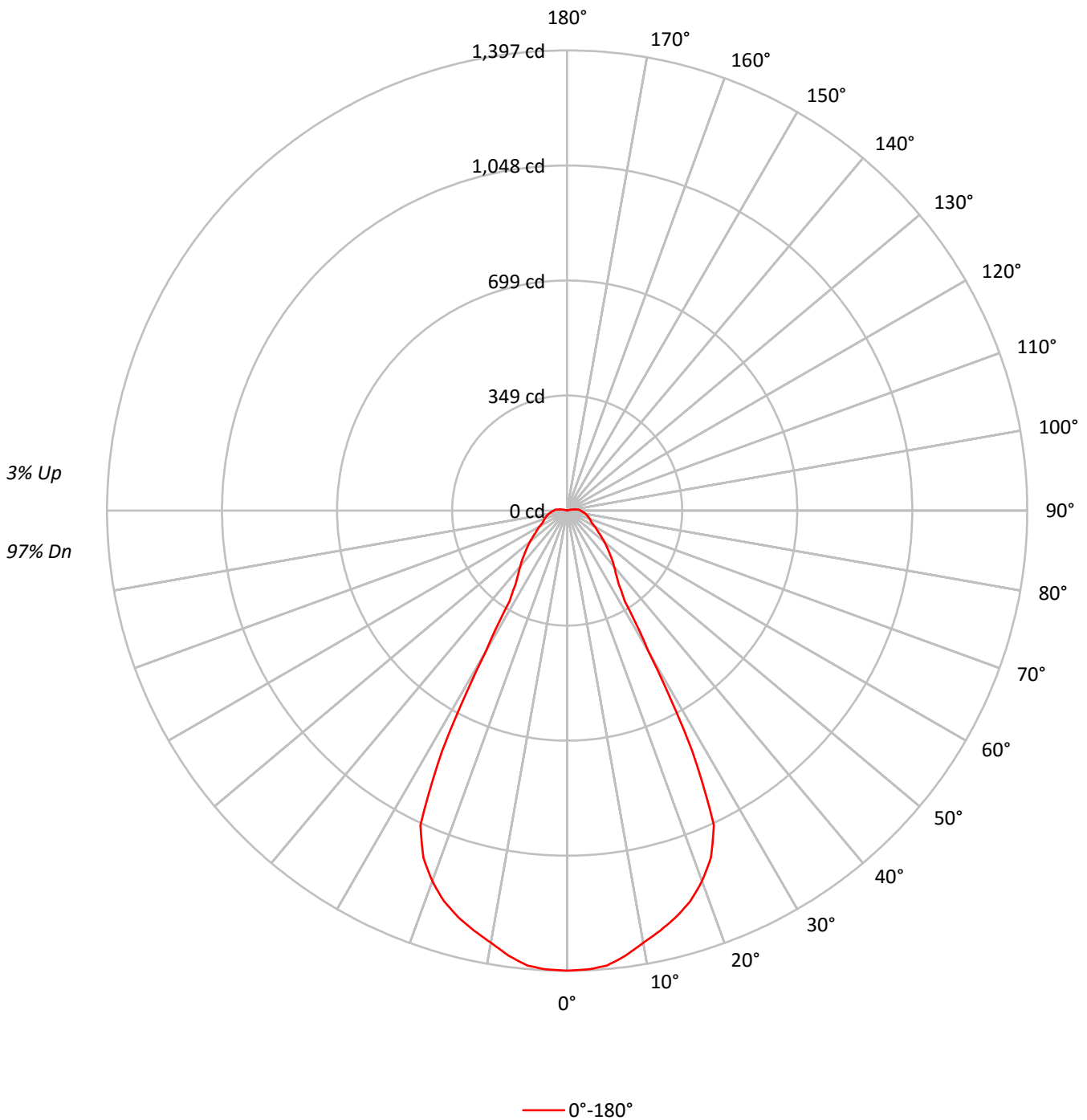
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	104	104	104	99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93	94	92	90	90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82	86	83	80	83	80	78	76
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56	64	59	55	63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52	60	55	51	59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48	57	52	48	56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45	54	48	45	53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91122
5°	81152
10°	71184
15°	63254
20°	55597
25°	46432
30°	20837
35°	11100
40°	8818
45°	7092
50°	5697
55°	4519
60°	3760
65°	3177
70°	2924
75°	2676
80°	2432
85°	2190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	8.1
10°-20°	359.0	22.3
20°-30°	437.8	27.2
30°-40°	185.4	11.5
40°-50°	140.7	8.7
50°-60°	106.5	6.6
60°-70°	81.4	5.1
70°-80°	68.2	4.2
80°-90°	52.7	3.3
90°-100°	35.2	2.2
100°-110°	10.5	0.7
110°-120°	0.8	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°	927.3	57.6
0°-40°	1112.7	69.2
0°-60°	1359.8	84.5
0°-90°	1562.1	97.1
90°-120°	46.5	2.9
90°-150°	46.5	2.9
90°-180°	46.0	2.9
0°-180°	1608.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1397	
5°	1387	130
15°	1278	359
25°	1054	438
35°	272	185
45°	181	141
55°	117	106
65°	81	81
75°	64	68
85°	48	41
90°	40	22
95°	34	24
105°	8	10
115°	0	1
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°	1396.7
2.5°	1394.7
5°	1386.6
7.5°	1362.5
10°	1332.2
12.5°	1306.0
15°	1277.8
17.5°	1243.5
20°	1197.2
22.5°	1140.8
25°	1054.1
27.5°	822.3
30°	493.8
32.5°	324.5
35°	272.1
37.5°	243.9
40°	221.7
42.5°	201.5
45°	181.4
47.5°	163.3
50°	147.1
52.5°	131.0
55°	116.9
57.5°	106.8
60°	96.7
62.5°	86.7
65°	80.6
67.5°	76.6
70°	72.6
72.5°	68.5
75°	64.5
77.5°	60.5
80°	56.4
82.5°	52.4
85°	48.4
87.5°	44.3
90°	40.3
92.5°	38.3
95°	34.3
97.5°	26.2
100°	20.2
102.5°	14.1
105°	8.1
107.5°	6.0
110°	2.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.0
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)