

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: P229283

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9024-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229283
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-3040-9024-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1478.1 lumens
Efficiency: N/A
Efficacy: 52.8 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

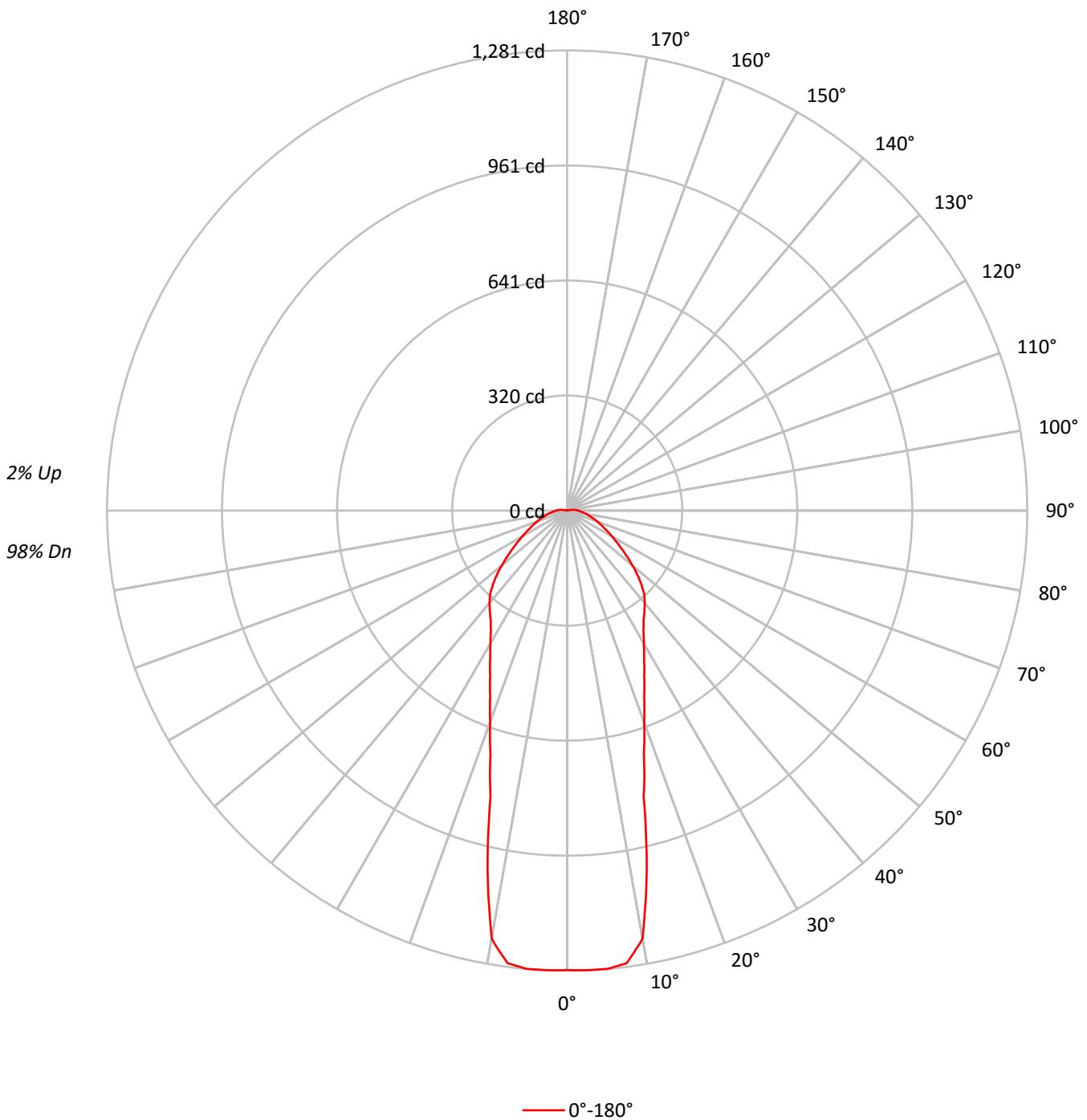
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	83456
5°	74960
10°	64665
15°	40770
20°	29117
25°	22359
30°	18014
35°	15155
40°	13372
45°	11435
50°	9178
55°	7148
60°	5623
65°	4438
70°	3588
75°	2859
80°	2320
85°	1823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	8.1
10°-20°	237.7	16.1
20°-30°	235.5	15.9
30°-40°	234.7	15.9
40°-50°	224.0	15.2
50°-60°	167.1	11.3
60°-70°	113.3	7.7
70°-80°	73.9	5.0
80°-90°	44.9	3.0
90°-100°	23.4	1.6
100°-110°	3.1	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°	593.6	40.2
0°-40°	828.3	56.0
0°-60°	1219.4	82.5
0°-90°	1451.5	98.2
90°-120°	26.6	1.8
90°-150°	26.6	1.8
90°-180°	27.0	1.8
0°-180°	1478.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1279	
5°	1281	120
15°	824	238
25°	508	235
35°	372	235
45°	292	224
55°	185	167
65°	113	113
75°	69	74
85°	40	36
90°	30	17
95°	22	16
105°	2	3
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°	1279.2
2.5°	1280.8
5°	1280.8
7.5°	1270.8
10°	1210.2
12.5°	1023.7
15°	823.6
17.5°	711.0
20°	627.0
22.5°	559.7
25°	507.6
27.5°	463.9
30°	426.9
32.5°	395.0
35°	371.5
37.5°	353.0
40°	336.2
42.5°	317.7
45°	292.5
47.5°	265.6
50°	237.0
52.5°	210.1
55°	184.9
57.5°	163.0
60°	144.6
62.5°	127.7
65°	112.6
67.5°	100.9
70°	89.1
72.5°	79.0
75°	68.9
77.5°	60.5
80°	53.8
82.5°	47.1
85°	40.3
87.5°	35.3
90°	30.3
92.5°	26.9
95°	21.9
97.5°	16.8
100°	10.1
102.5°	5.0
105°	1.7
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)