

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: P229250

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9030-6LBW1LI-GFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-20-D010 / 340-EU6B-1020-9030-6LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1123.1 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

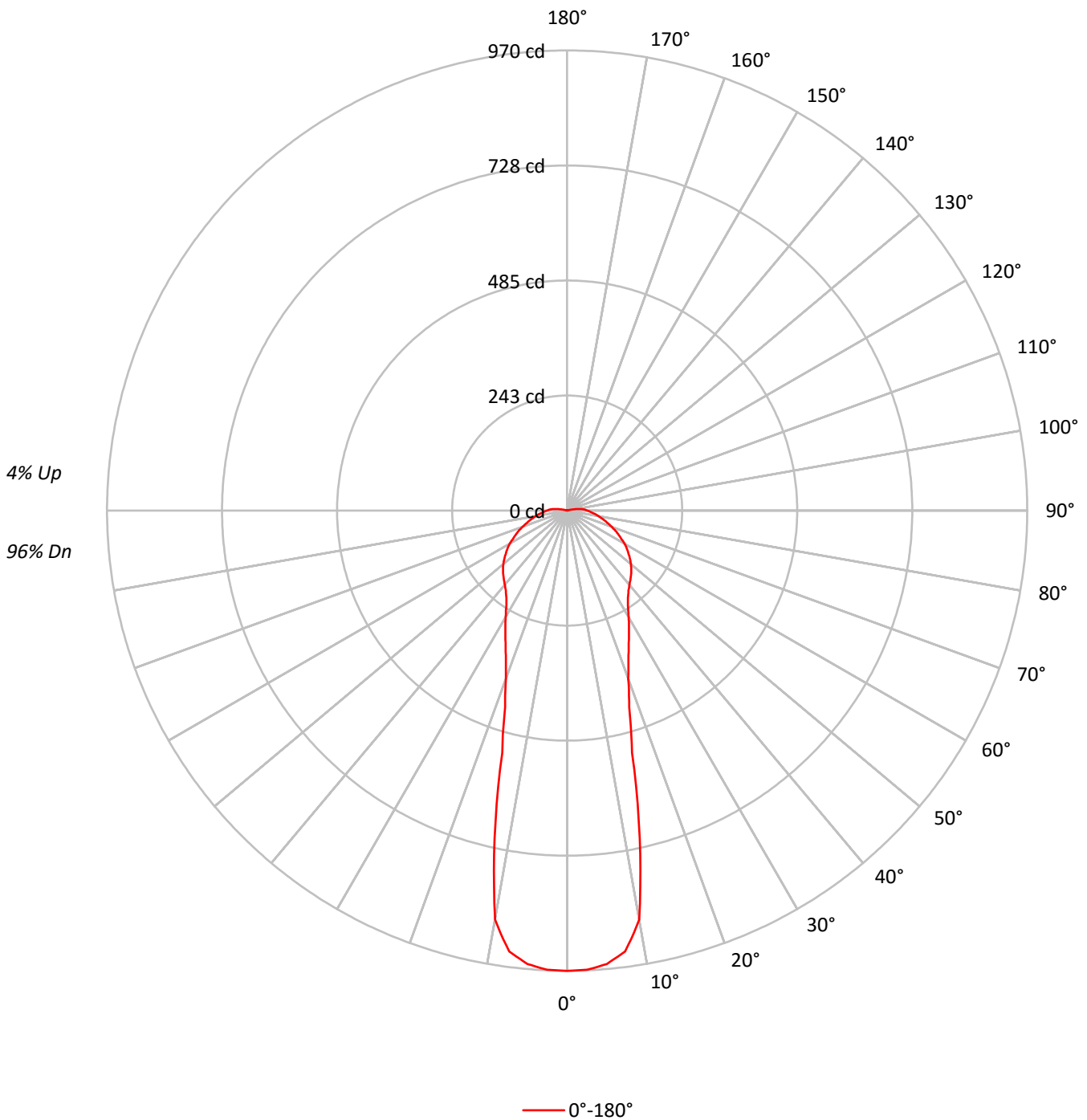
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109		104	104	104		99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31		41	35	31		40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63303
5°	56144
10°	46791
15°	26187
20°	17503
25°	13523
30°	10929
35°	9114
40°	8122
45°	7447
50°	6793
55°	6092
60°	5436
65°	4698
70°	4027
75°	3410
80°	2898
85°	2416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	7.9
10°-20°	155.3	13.8
20°-30°	142.4	12.7
30°-40°	141.6	12.6
40°-50°	147.1	13.1
50°-60°	141.4	12.6
60°-70°	118.2	10.5
70°-80°	87.2	7.8
80°-90°	59.0	5.3
90°-100°	34.3	3.1
100°-110°	7.1	0.6
110°-120°	0.2	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°	386.9	34.5
0°-40°	528.5	47.1
0°-60°	817.0	72.7
0°-90°	1081.5	96.3
90°-120°	41.5	3.7
90°-150°	41.5	3.7
90°-180°	42.0	3.7
0°-180°	1123.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	970	
5°	959	89
15°	529	155
25°	307	142
35°	223	142
45°	190	147
55°	158	141
65°	119	118
75°	82	87
85°	53	47
90°	42	23
95°	33	23
105°	6	7
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°	970.3
2.5°	968.9
5°	959.3
7.5°	937.4
10°	875.7
12.5°	707.2
15°	529.0
17.5°	434.4
20°	376.9
22.5°	337.1
25°	307.0
27.5°	282.3
30°	259.0
32.5°	238.5
35°	223.4
37.5°	212.4
40°	204.2
42.5°	197.3
45°	190.5
47.5°	183.6
50°	175.4
52.5°	167.2
55°	157.6
57.5°	149.4
60°	139.8
62.5°	128.8
65°	119.2
67.5°	109.6
70°	100.0
72.5°	90.5
75°	82.2
77.5°	74.0
80°	67.2
82.5°	60.3
85°	53.4
87.5°	48.0
90°	42.5
92.5°	38.4
95°	32.9
97.5°	24.7
100°	16.4
102.5°	9.6
105°	5.5
107.5°	2.7
110°	1.4



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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)