

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: P229251

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9035-6LBW1LI-GFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229251
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-1020-9035-6LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1139.3 lumens
Efficiency: N/A
Efficacy: 54.8 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

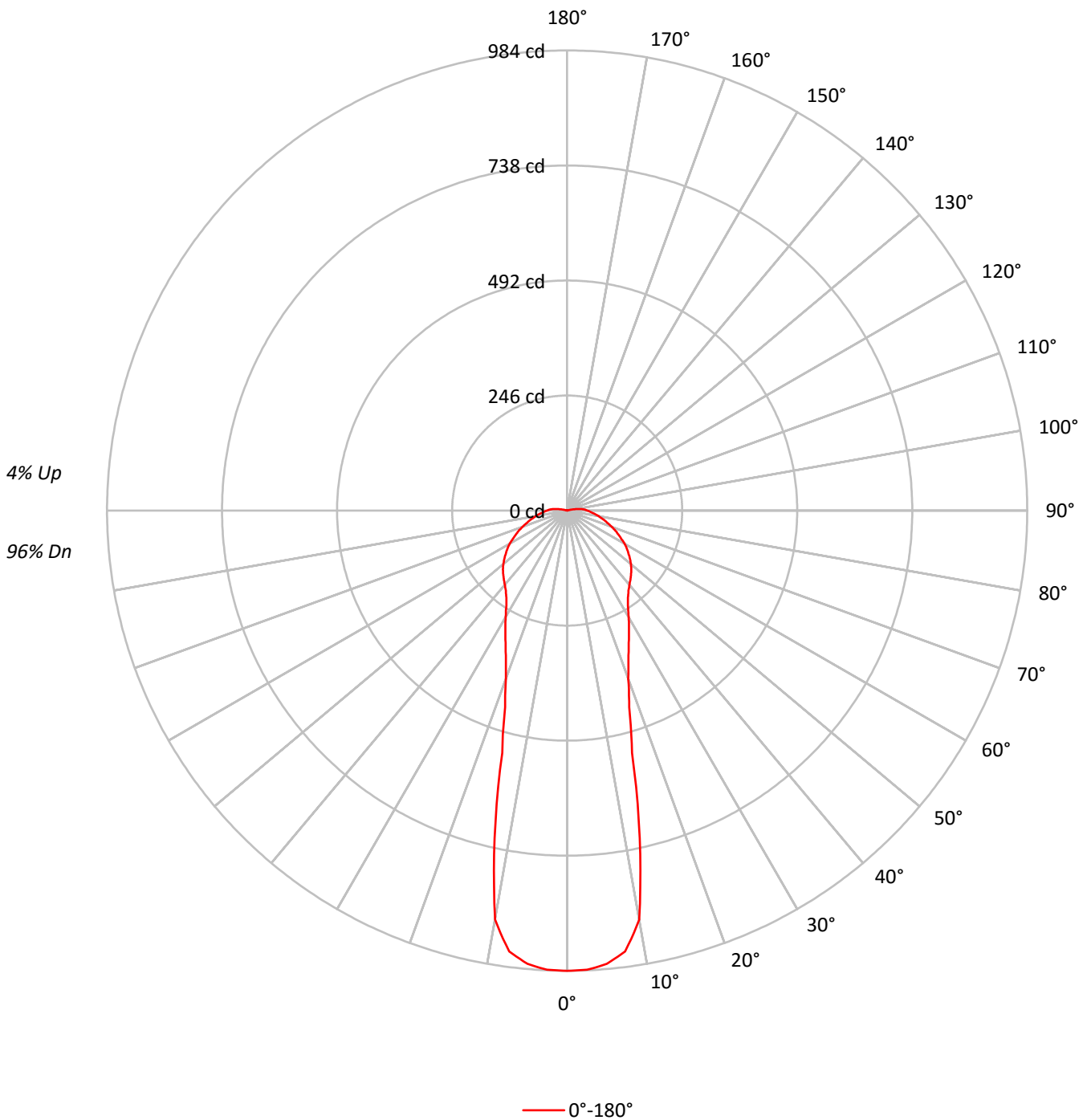
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	64210
5°	56952
10°	47465
15°	26563
20°	17754
25°	13717
30°	11085
35°	9244
40°	8237
45°	7553
50°	6889
55°	6181
60°	5514
65°	4765
70°	4087
75°	3460
80°	2936
85°	2452



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	7.9
10°-20°	157.5	13.8
20°-30°	144.5	12.7
30°-40°	143.6	12.6
40°-50°	149.2	13.1
50°-60°	143.4	12.6
60°-70°	120.0	10.5
70°-80°	88.5	7.8
80°-90°	59.9	5.3
90°-100°	34.7	3.0
100°-110°	7.2	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°	392.5	34.5
0°-40°	536.1	47.1
0°-60°	828.8	72.7
0°-90°	1097.1	96.3
90°-120°	42.1	3.7
90°-150°	42.1	3.7
90°-180°	42.0	3.7
0°-180°	1139.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	984	
5°	973	90
15°	537	158
25°	311	144
35°	227	144
45°	193	149
55°	160	143
65°	121	120
75°	83	88
85°	54	47
90°	43	24
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°	984.2
2.5°	982.9
5°	973.1
7.5°	950.9
10°	888.3
12.5°	717.3
15°	536.6
17.5°	440.7
20°	382.3
22.5°	342.0
25°	311.4
27.5°	286.4
30°	262.7
32.5°	241.9
35°	226.6
37.5°	215.5
40°	207.1
42.5°	200.2
45°	193.2
47.5°	186.3
50°	177.9
52.5°	169.6
55°	159.9
57.5°	151.5
60°	141.8
62.5°	130.7
65°	120.9
67.5°	111.2
70°	101.5
72.5°	91.8
75°	83.4
77.5°	75.1
80°	68.1
82.5°	61.2
85°	54.2
87.5°	48.7
90°	43.1
92.5°	38.9
95°	33.4
97.5°	25.0
100°	16.7
102.5°	9.7
105°	5.6
107.5°	2.8
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)