

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: P229194

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-CF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
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-1020-9040-6LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1207.1 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

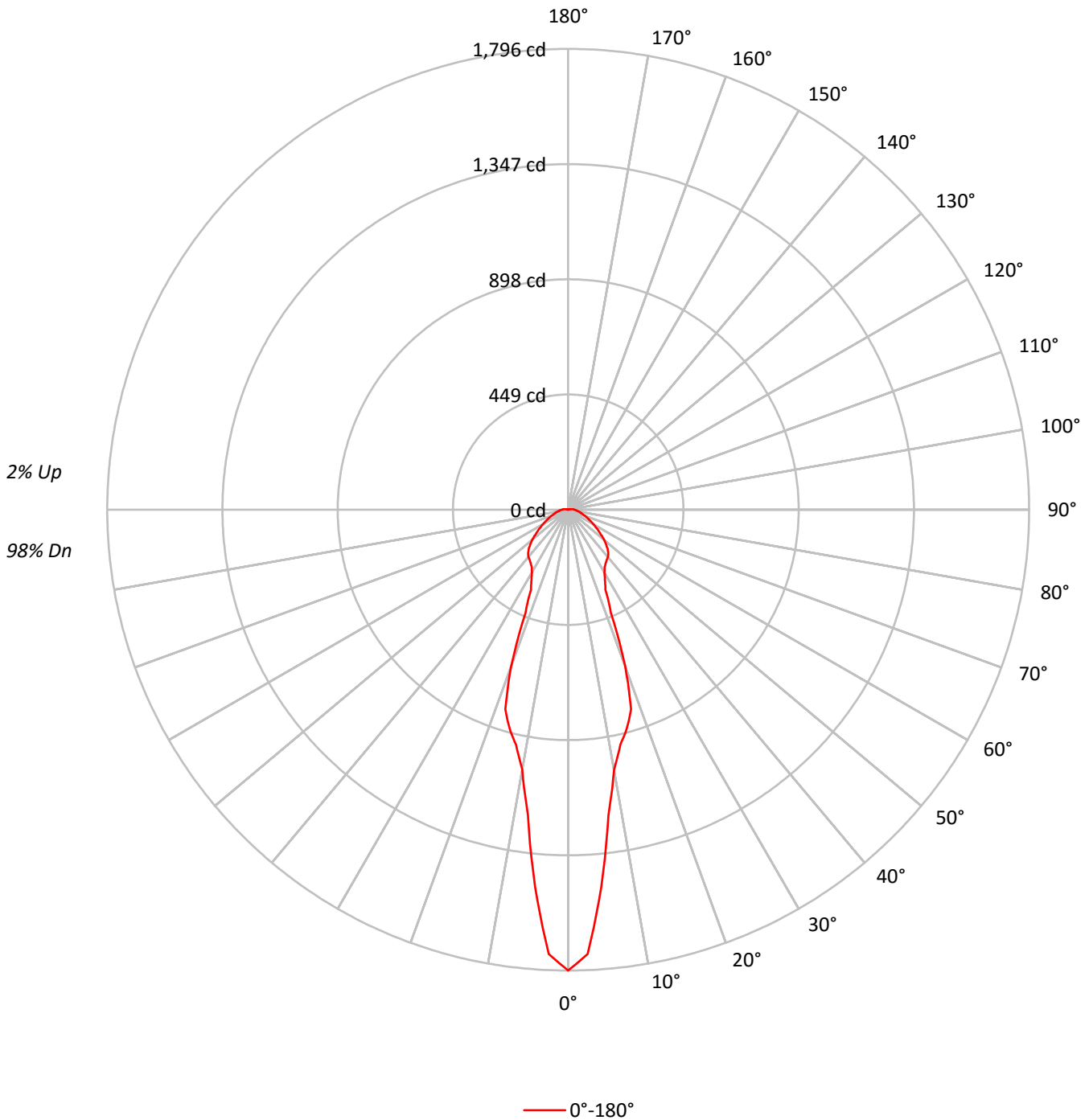
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	109	105	101	98	107	103	99	96	98	95	93	94	92	90	90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70	77	73	69	75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63	71	66	62	69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56	66	60	56	64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44	53	48	44	52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41	50	45	41	49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117172
5°	86454
10°	54977
15°	43696
20°	30130
25°	15148
30°	11925
35°	10394
40°	9582
45°	8491
50°	7064
55°	5598
60°	4441
65°	3512
70°	2746
75°	2195
80°	1802
85°	1448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.8	10.4
10°-20°	241.5	20.0
20°-30°	175.4	14.5
30°-40°	160.9	13.3
40°-50°	166.0	13.7
50°-60°	130.4	10.8
60°-70°	88.7	7.3
70°-80°	56.8	4.7
80°-90°	35.1	2.9
90°-100°	20.3	1.7
100°-110°	6.1	0.5
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°	542.6	45.0
0°-40°	703.5	58.3
0°-60°	999.9	82.8
0°-90°	1180.5	97.8
90°-120°	26.7	2.2
90°-150°	26.7	2.2
90°-180°	27.0	2.2
0°-180°	1207.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1796	
5°	1477	126
15°	883	242
25°	344	175
35°	255	161
45°	217	166
55°	145	130
65°	89	89
75°	53	57
85°	32	28
90°	24	13
95°	20	14
105°	6	6
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°	1796.0
2.5°	1733.4
5°	1477.2
7.5°	1200.1
10°	1028.9
12.5°	938.4
15°	882.7
17.5°	814.5
20°	648.8
22.5°	434.4
25°	343.9
27.5°	309.1
30°	282.6
32.5°	264.5
35°	254.8
37.5°	246.4
40°	240.9
42.5°	231.1
45°	217.2
47.5°	200.5
50°	182.4
52.5°	162.9
55°	144.8
57.5°	128.1
60°	114.2
62.5°	100.2
65°	89.1
67.5°	78.0
70°	68.2
72.5°	59.9
75°	52.9
77.5°	47.3
80°	41.8
82.5°	36.2
85°	32.0
87.5°	27.8
90°	23.7
92.5°	22.3
95°	19.5
97.5°	15.3
100°	11.1
102.5°	8.4
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)