

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: P229192

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229192
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-1020-9030-6LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1188.2 lumens
Efficiency: N/A
Efficacy: 57.1 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

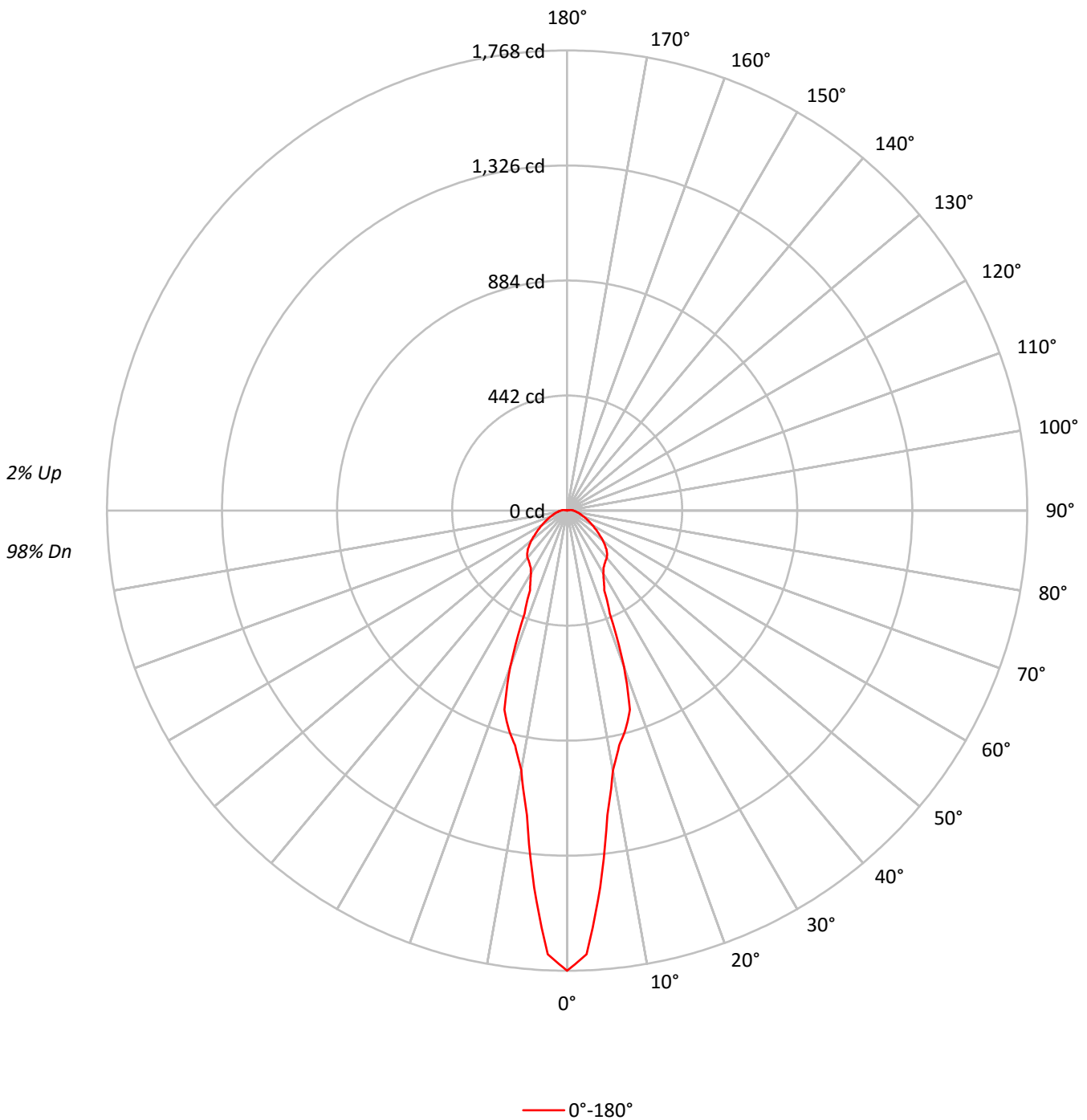
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	115339
5°	85103
10°	54117
15°	43012
20°	29656
25°	14911
30°	11740
35°	10231
40°	9430
45°	8358
50°	6951
55°	5509
60°	4371
65°	3457
70°	2706
75°	2162
80°	1772
85°	1425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	10.4
10°-20°	237.7	20.0
20°-30°	172.6	14.5
30°-40°	158.4	13.3
40°-50°	163.4	13.7
50°-60°	128.4	10.8
60°-70°	87.3	7.3
70°-80°	55.9	4.7
80°-90°	34.5	2.9
90°-100°	20.0	1.7
100°-110°	6.0	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°	534.1	45.0
0°-40°	692.5	58.3
0°-60°	984.2	82.8
0°-90°	1161.9	97.8
90°-120°	26.2	2.2
90°-150°	26.2	2.2
90°-180°	26.0	2.2
0°-180°	1188.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1768	
5°	1454	124
15°	869	238
25°	338	173
35°	251	158
45°	214	163
55°	142	128
65°	88	87
75°	52	56
85°	32	28
90°	23	13
95°	19	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°	1767.9
2.5°	1706.2
5°	1454.1
7.5°	1181.3
10°	1012.8
12.5°	923.7
15°	868.9
17.5°	801.7
20°	638.6
22.5°	427.6
25°	338.5
27.5°	304.2
30°	278.2
32.5°	260.4
35°	250.8
37.5°	242.6
40°	237.1
42.5°	227.5
45°	213.8
47.5°	197.3
50°	179.5
52.5°	160.3
55°	142.5
57.5°	126.1
60°	112.4
62.5°	98.7
65°	87.7
67.5°	76.7
70°	67.2
72.5°	58.9
75°	52.1
77.5°	46.6
80°	41.1
82.5°	35.6
85°	31.5
87.5°	27.4
90°	23.3
92.5°	21.9
95°	19.2
97.5°	15.1
100°	11.0
102.5°	8.2
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)