

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: P229190

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9024-6LBW1LI-CF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229190
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-1020-9024-6LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1005.3 lumens
Efficiency: N/A
Efficacy: 48.3 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

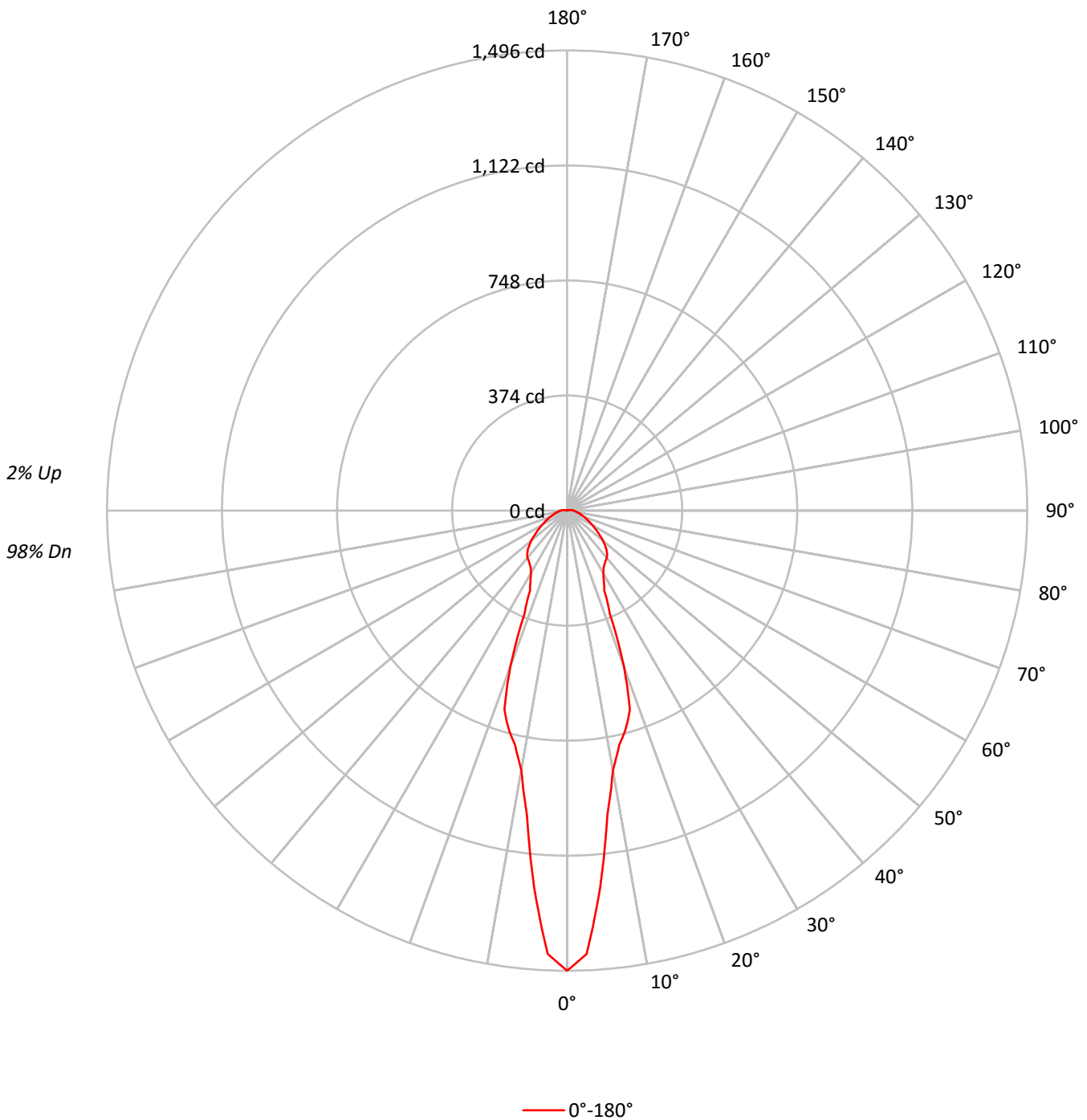
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	97574
5°	71993
10°	45781
15°	36389
20°	25091
25°	12616
30°	9933
35°	8657
40°	7979
45°	7072
50°	5883
55°	4662
60°	3698
65°	2925
70°	2287
75°	1830
80°	1501
85°	1208



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	10.4
10°-20°	201.1	20.0
20°-30°	146.0	14.5
30°-40°	134.0	13.3
40°-50°	138.2	13.8
50°-60°	108.6	10.8
60°-70°	73.8	7.3
70°-80°	47.3	4.7
80°-90°	29.2	2.9
90°-100°	17.0	1.7
100°-110°	5.1	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°	451.9	44.9
0°-40°	585.9	58.3
0°-60°	832.7	82.8
0°-90°	983.1	97.8
90°-120°	22.2	2.2
90°-150°	22.2	2.2
90°-180°	22.0	2.2
0°-180°	1005.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1496	
5°	1230	105
15°	735	201
25°	286	146
35°	212	134
45°	181	138
55°	121	109
65°	74	74
75°	44	47
85°	27	23
90°	20	11
95°	16	12
105°	5	5
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1495.6
2.5°	1443.4
5°	1230.1
7.5°	999.4
10°	856.8
12.5°	781.4
15°	735.1
17.5°	678.2
20°	540.3
22.5°	361.7
25°	286.4
27.5°	257.4
30°	235.4
32.5°	220.3
35°	212.2
37.5°	205.2
40°	200.6
42.5°	192.5
45°	180.9
47.5°	167.0
50°	151.9
52.5°	135.6
55°	120.6
57.5°	106.7
60°	95.1
62.5°	83.5
65°	74.2
67.5°	64.9
70°	56.8
72.5°	49.9
75°	44.1
77.5°	39.4
80°	34.8
82.5°	30.1
85°	26.7
87.5°	23.2
90°	19.7
92.5°	18.6
95°	16.2
97.5°	12.8
100°	9.3
102.5°	7.0
105°	4.6
107.5°	2.3
110°	1.2



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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)