

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: P229133

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9027-6LBW1LI-FF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)
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-1020-9027-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1051.7 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

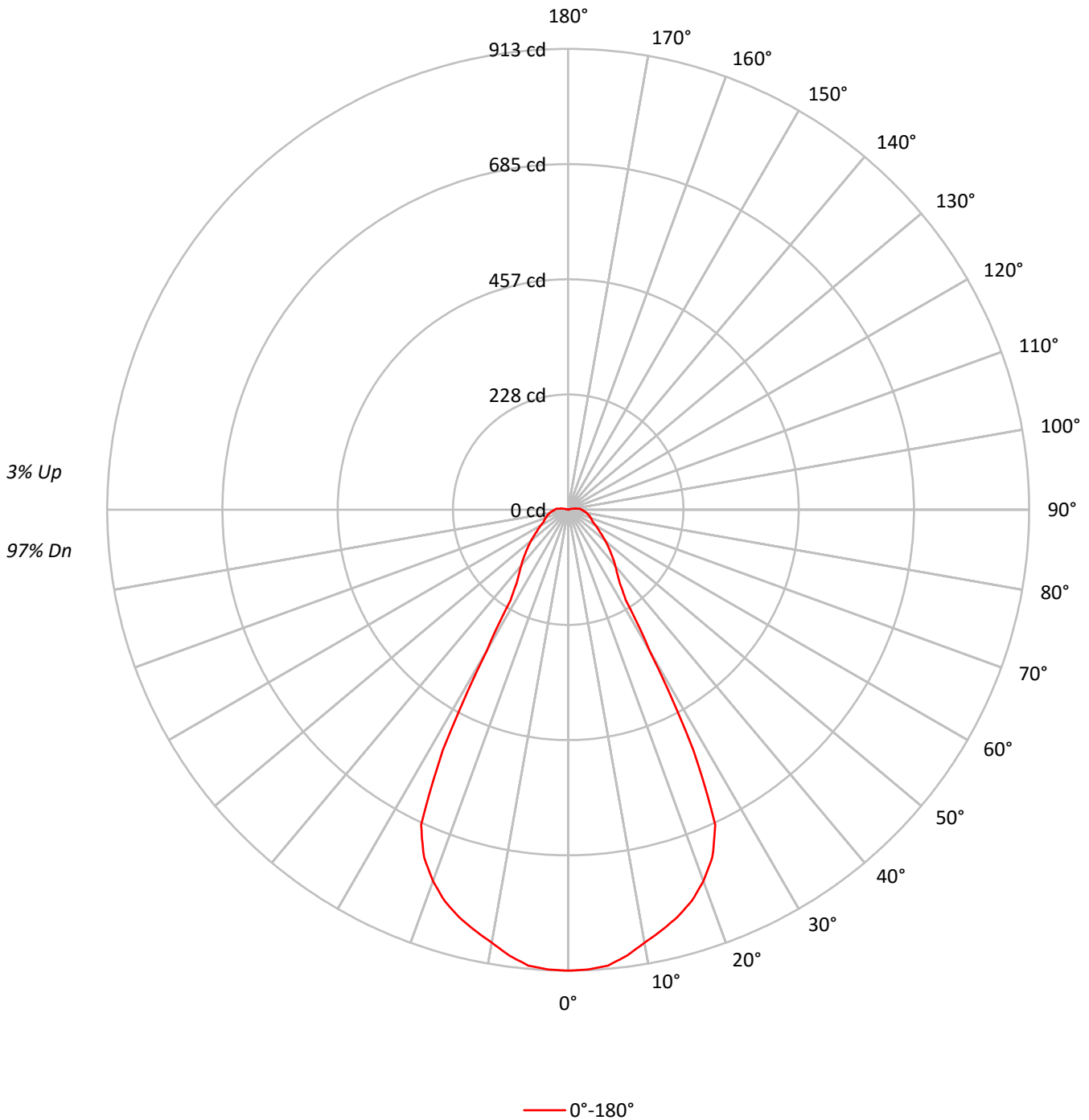
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	82	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59578
5°	53060
10°	46540
15°	41359
20°	36353
25°	30359
30°	13626
35°	7257
40°	5767
45°	4637
50°	3725
55°	2953
60°	2461
65°	2077
70°	1909
75°	1751
80°	1591
85°	1430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	8.1
10°-20°	234.7	22.3
20°-30°	286.3	27.2
30°-40°	121.2	11.5
40°-50°	92.0	8.7
50°-60°	69.6	6.6
60°-70°	53.2	5.1
70°-80°	44.6	4.2
80°-90°	34.5	3.3
90°-100°	23.0	2.2
100°-110°	6.9	0.7
110°-120°	0.5	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°	606.3	57.6
0°-40°	727.5	69.2
0°-60°	889.1	84.5
0°-90°	1021.4	97.1
90°-120°	30.4	2.9
90°-150°	30.4	2.9
90°-180°	30.0	2.9
0°-180°	1051.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	913	
5°	907	85
15°	836	235
25°	689	286
35°	178	121
45°	119	92
55°	76	70
65°	53	53
75°	42	45
85°	32	27
90°	26	15
95°	22	16
105°	5	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°	913.2
2.5°	911.9
5°	906.6
7.5°	890.8
10°	871.0
12.5°	853.9
15°	835.5
17.5°	813.1
20°	782.8
22.5°	745.9
25°	689.2
27.5°	537.6
30°	322.9
32.5°	212.2
35°	177.9
37.5°	159.4
40°	145.0
42.5°	131.8
45°	118.6
47.5°	106.7
50°	96.2
52.5°	85.7
55°	76.4
57.5°	69.8
60°	63.3
62.5°	56.7
65°	52.7
67.5°	50.1
70°	47.4
72.5°	44.8
75°	42.2
77.5°	39.5
80°	36.9
82.5°	34.3
85°	31.6
87.5°	29.0
90°	26.4
92.5°	25.0
95°	22.4
97.5°	17.1
100°	13.2
102.5°	9.2
105°	5.3
107.5°	4.0
110°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.3
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)