

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: P229136

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229136
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-1020-9040-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1111.2 lumens
Efficiency: N/A
Efficacy: 53.4 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

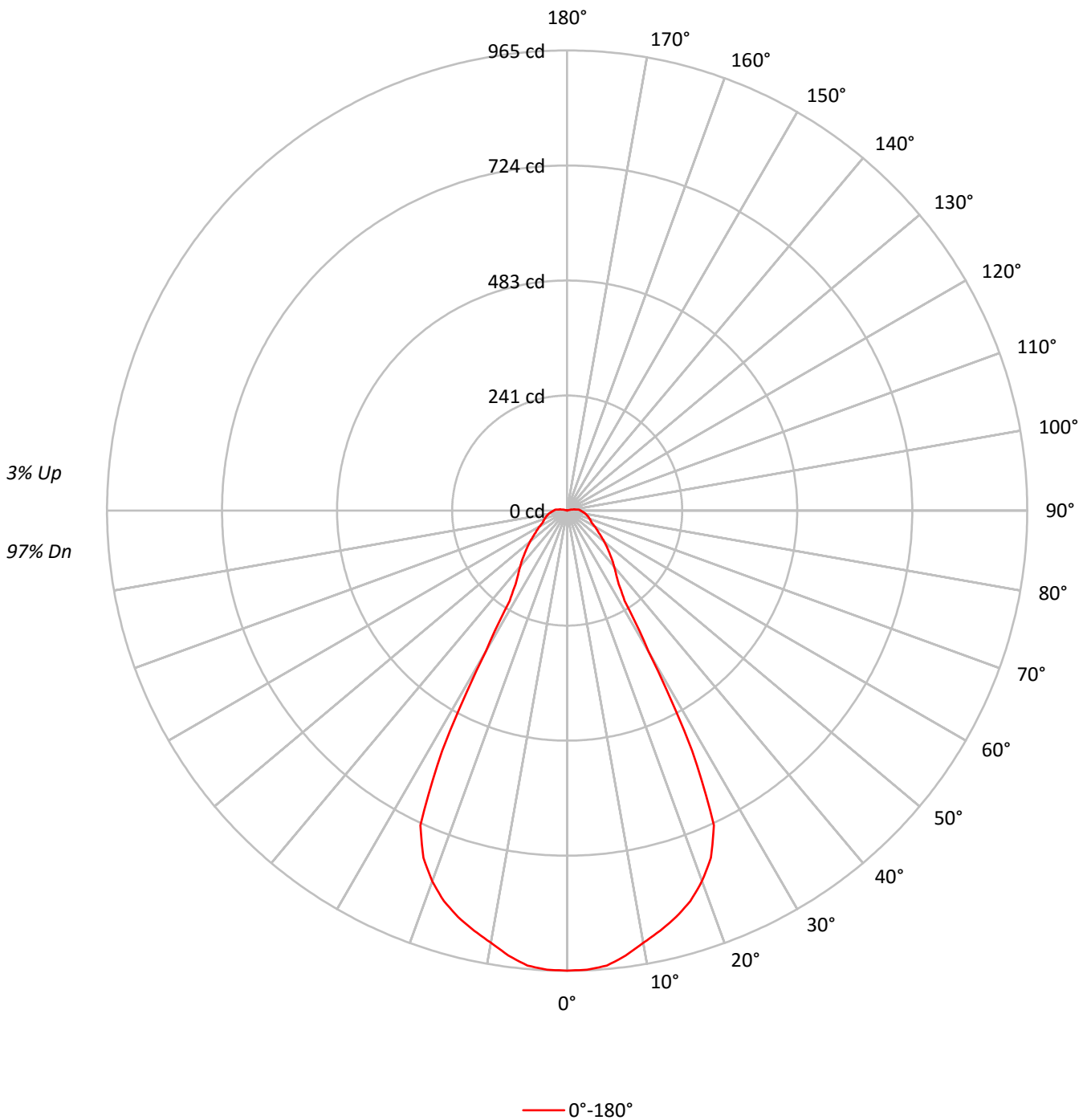
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	62944
5°	56062
10°	49174
15°	43696
20°	38405
25°	32077
30°	14394
35°	7669
40°	6093
45°	4898
50°	3935
55°	3124
60°	2597
65°	2195
70°	2018
75°	1850
80°	1682
85°	1511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	8.1
10°-20°	248.0	22.3
20°-30°	302.4	27.2
30°-40°	128.1	11.5
40°-50°	97.2	8.7
50°-60°	73.6	6.6
60°-70°	56.2	5.1
70°-80°	47.1	4.2
80°-90°	36.4	3.3
90°-100°	24.3	2.2
100°-110°	7.2	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°	640.6	57.6
0°-40°	768.6	69.2
0°-60°	939.4	84.5
0°-90°	1079.1	97.1
90°-120°	32.1	2.9
90°-150°	32.1	2.9
90°-180°	32.0	2.9
0°-180°	1111.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	965	
5°	958	90
15°	883	248
25°	728	302
35°	188	128
45°	125	97
55°	81	74
65°	56	56
75°	45	47
85°	33	28
90°	28	15
95°	24	17
105°	6	7
115°	0	1
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°	964.8
2.5°	963.5
5°	957.9
7.5°	941.2
10°	920.3
12.5°	902.2
15°	882.7
17.5°	859.0
20°	827.0
22.5°	788.0
25°	728.2
27.5°	568.0
30°	341.1
32.5°	224.2
35°	188.0
37.5°	168.5
40°	153.2
42.5°	139.2
45°	125.3
47.5°	112.8
50°	101.6
52.5°	90.5
55°	80.8
57.5°	73.8
60°	66.8
62.5°	59.9
65°	55.7
67.5°	52.9
70°	50.1
72.5°	47.3
75°	44.6
77.5°	41.8
80°	39.0
82.5°	36.2
85°	33.4
87.5°	30.6
90°	27.8
92.5°	26.5
95°	23.7
97.5°	18.1
100°	13.9
102.5°	9.7
105°	5.6
107.5°	4.2
110°	1.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.4
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)