

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: P229132

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229132
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-1020-9024-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 925.3 lumens
Efficiency: N/A
Efficacy: 44.5 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

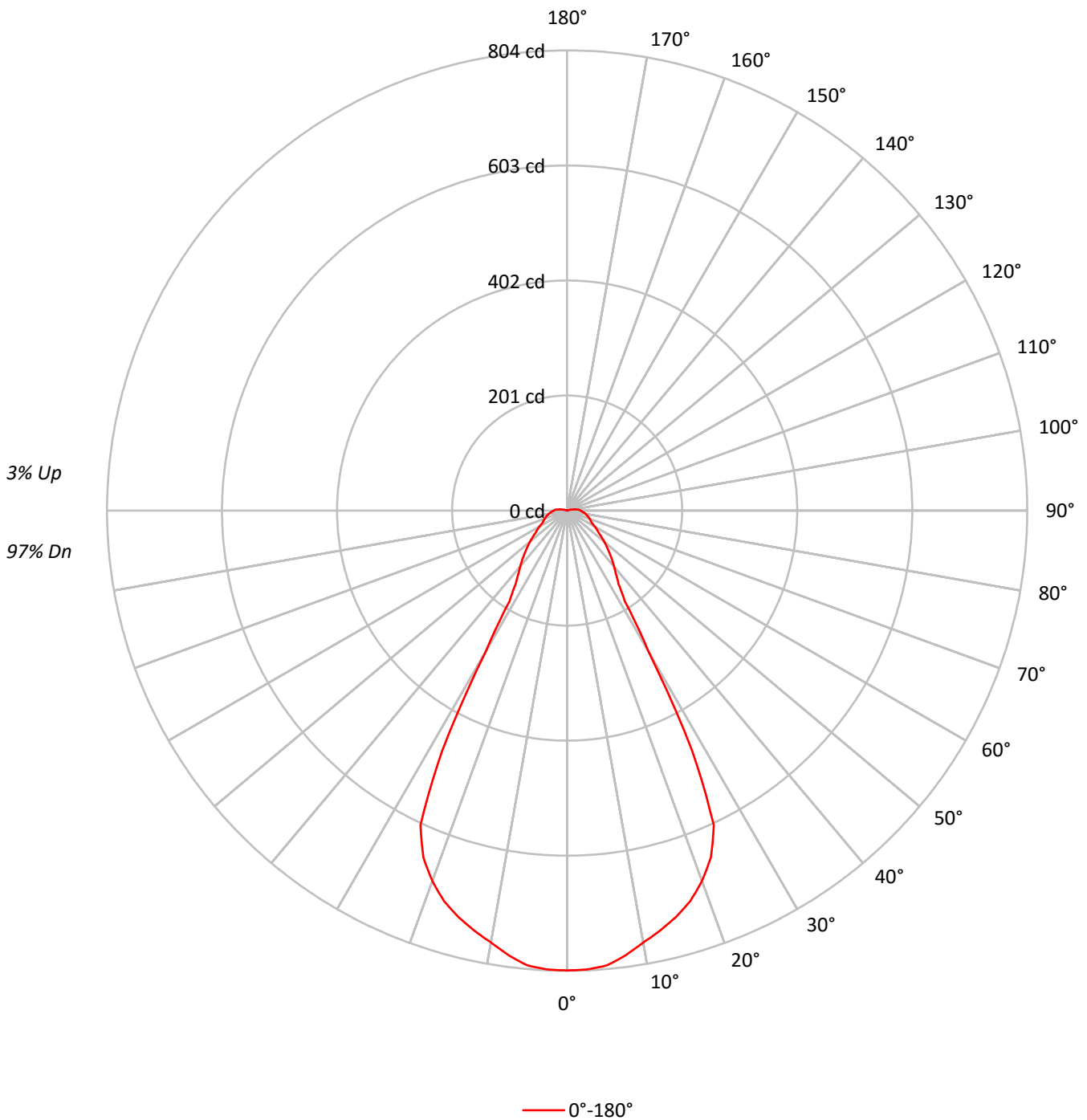
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97				97
1	110	106	102	99	107	103	100	97	99	96	93	94	92	90	90	89	87	85				85
2	102	96	90	86	100	94	89	84	90	86	82	86	83	80	83	80	78	76				76
3	96	87	81	76	93	86	80	75	82	77	73	80	75	72	77	73	70	68				68
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62				62
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57				57
6	80	69	62	57	78	68	61	56	66	60	56	64	59	55	63	58	54	53				53
7	75	64	57	52	74	64	57	52	62	56	52	60	55	51	59	54	51	49				49
8	71	60	53	49	70	60	53	48	58	52	48	57	52	48	56	51	47	46				46
9	68	57	50	45	66	56	50	45	55	49	45	54	48	45	53	48	44	43				43
10	64	53	47	43	63	53	47	42	52	46	42	51	46	42	50	45	42	40				40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52421
5°	46686
10°	40951
15°	36389
20°	31983
25°	26711
30°	11984
35°	6384
40°	5071
45°	4078
50°	3276
55°	2598
60°	2166
65°	1829
70°	1679
75°	1539
80°	1401
85°	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	8.1
10°-20°	206.5	22.3
20°-30°	251.9	27.2
30°-40°	106.6	11.5
40°-50°	80.9	8.7
50°-60°	61.2	6.6
60°-70°	46.8	5.1
70°-80°	39.2	4.2
80°-90°	30.3	3.3
90°-100°	20.3	2.2
100°-110°	6.0	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°	533.4	57.6
0°-40°	640.1	69.2
0°-60°	782.2	84.5
0°-90°	898.6	97.1
90°-120°	26.7	2.9
90°-150°	26.7	2.9
90°-180°	27.0	2.9
0°-180°	925.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	804	
5°	798	75
15°	735	206
25°	606	252
35°	156	107
45°	104	81
55°	67	61
65°	46	47
75°	37	39
85°	28	24
90°	23	13
95°	20	14
105°	5	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°	803.5
2.5°	802.3
5°	797.7
7.5°	783.7
10°	766.4
12.5°	751.3
15°	735.1
17.5°	715.3
20°	688.7
22.5°	656.2
25°	606.4
27.5°	473.0
30°	284.0
32.5°	186.7
35°	156.5
37.5°	140.3
40°	127.5
42.5°	115.9
45°	104.3
47.5°	93.9
50°	84.6
52.5°	75.4
55°	67.2
57.5°	61.4
60°	55.7
62.5°	49.9
65°	46.4
67.5°	44.1
70°	41.7
72.5°	39.4
75°	37.1
77.5°	34.8
80°	32.5
82.5°	30.1
85°	27.8
87.5°	25.5
90°	23.2
92.5°	22.0
95°	19.7
97.5°	15.1
100°	11.6
102.5°	8.1
105°	4.6
107.5°	3.5
110°	1.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.2
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)