

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: P229147

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9035-6LBW1LI-FF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229147
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-40-D010 / 340-EU6B-3040-9035-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2274.0 lumens
Efficiency: N/A
Efficacy: 54.4 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

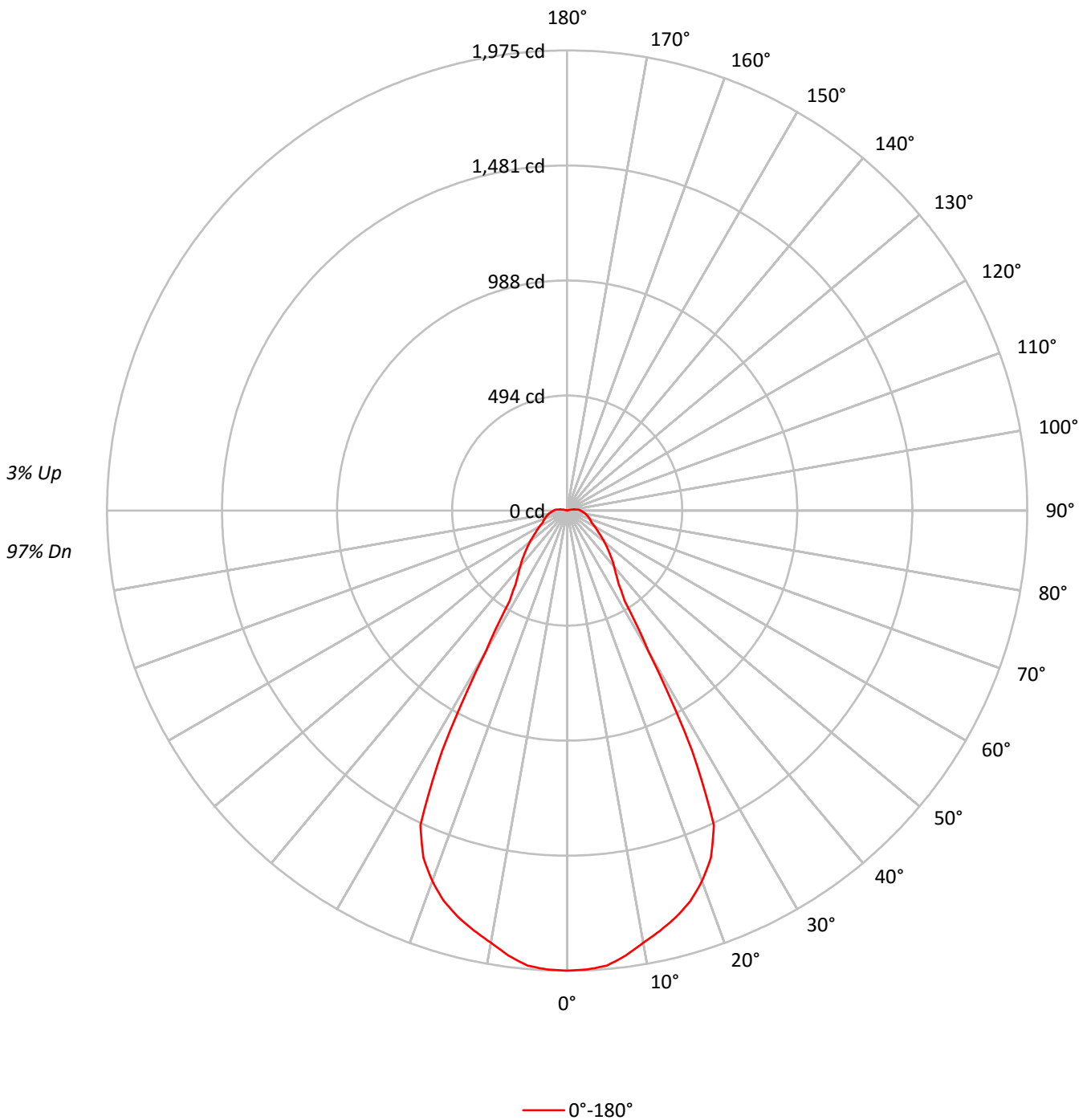
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	128824
5°	114728
10°	100636
15°	89426
20°	78599
25°	65642
30°	29459
35°	15694
40°	12465
45°	10024
50°	8055
55°	6390
60°	5319
65°	4493
70°	4132
75°	3784
80°	3441
85°	3095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.5	8.1
10°-20°	507.5	22.3
20°-30°	619.0	27.2
30°-40°	262.1	11.5
40°-50°	198.8	8.7
50°-60°	150.5	6.6
60°-70°	115.1	5.1
70°-80°	96.4	4.2
80°-90°	74.6	3.3
90°-100°	49.8	2.2
100°-110°	14.8	0.6
110°-120°	1.1	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°	1310.9	57.6
0°-40°	1573.0	69.2
0°-60°	1922.4	84.5
0°-90°	2208.4	97.1
90°-120°	65.6	2.9
90°-150°	65.6	2.9
90°-180°	66.0	2.9
0°-180°	2274.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1975	
5°	1960	184
15°	1806	507
25°	1490	619
35°	385	262
45°	256	199
55°	165	151
65°	114	115
75°	91	96
85°	68	58
90°	57	32
95°	48	35
105°	11	15
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°	1974.6
2.5°	1971.7
5°	1960.3
7.5°	1926.1
10°	1883.4
12.5°	1846.4
15°	1806.5
17.5°	1758.0
20°	1692.5
22.5°	1612.7
25°	1490.2
27.5°	1162.5
30°	698.1
32.5°	458.7
35°	384.7
37.5°	344.8
40°	313.4
42.5°	284.9
45°	256.4
47.5°	230.8
50°	208.0
52.5°	185.2
55°	165.3
57.5°	151.0
60°	136.8
62.5°	122.5
65°	114.0
67.5°	108.3
70°	102.6
72.5°	96.9
75°	91.2
77.5°	85.5
80°	79.8
82.5°	74.1
85°	68.4
87.5°	62.7
90°	57.0
92.5°	54.1
95°	48.4
97.5°	37.0
100°	28.5
102.5°	19.9
105°	11.4
107.5°	8.5
110°	2.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.8
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)