

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: P229148

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9040-6LBW1LI-FF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229148  
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-3040-9040-6LBW1LI-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: 2277.5 lumens  
Efficiency: N/A  
Efficacy: 54.5 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

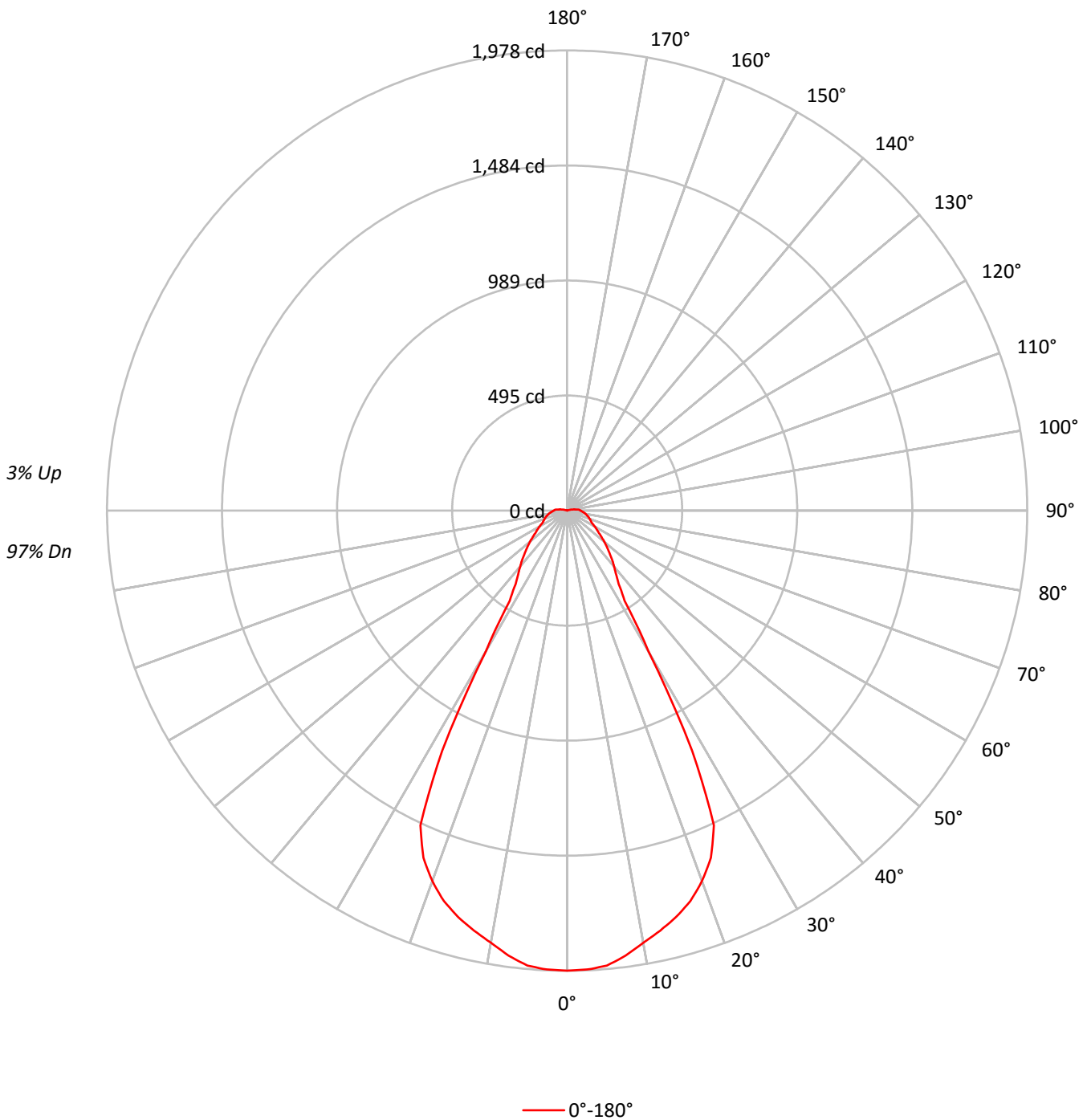
Input Watts (W): 41.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	83	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°	129020
5°	114904
10°	100791
15°	89559
20°	78719
25°	65739
30°	29501
35°	15714
40°	12485
45°	10039
50°	8067
55°	6398
60°	5327
65°	4497
70°	4136
75°	3788
80°	3445
85°	3099



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.8	8.1
10°-20°	508.3	22.3
20°-30°	619.9	27.2
30°-40°	262.5	11.5
40°-50°	199.1	8.7
50°-60°	150.8	6.6
60°-70°	115.2	5.1
70°-80°	96.5	4.2
80°-90°	74.7	3.3
90°-100°	49.8	2.2
100°-110°	14.8	0.7
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°	1312.9	57.6
0°-40°	1575.4	69.2
0°-60°	1925.3	84.5
0°-90°	2211.7	97.1
90°-120°	65.8	2.9
90°-150°	65.8	2.9
90°-180°	66.0	2.9
0°-180°	2277.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1978	
5°	1963	185
15°	1809	508
25°	1492	620
35°	385	262
45°	257	199
55°	166	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°	1977.6
2.5°	1974.7
5°	1963.3
7.5°	1929.1
10°	1886.3
12.5°	1849.2
15°	1809.2
17.5°	1760.7
20°	1695.1
22.5°	1615.2
25°	1492.4
27.5°	1164.3
30°	699.1
32.5°	459.4
35°	385.2
37.5°	345.3
40°	313.9
42.5°	285.4
45°	256.8
47.5°	231.1
50°	208.3
52.5°	185.5
55°	165.5
57.5°	151.2
60°	137.0
62.5°	122.7
65°	114.1
67.5°	108.4
70°	102.7
72.5°	97.0
75°	91.3
77.5°	85.6
80°	79.9
82.5°	74.2
85°	68.5
87.5°	62.8
90°	57.1
92.5°	54.2
95°	48.5
97.5°	37.1
100°	28.5
102.5°	20.0
105°	11.4
107.5°	8.6
110°	2.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	2.9
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)