

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: P229314

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9030-6LBW1LI-GCC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229314  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-16)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 340-6B-30-D010 / 340-EU6B-3040-9030-6LBW1LI-GCC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,  
CLEAR OUTSIDE GLASS KIT.  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1973.2 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.89  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

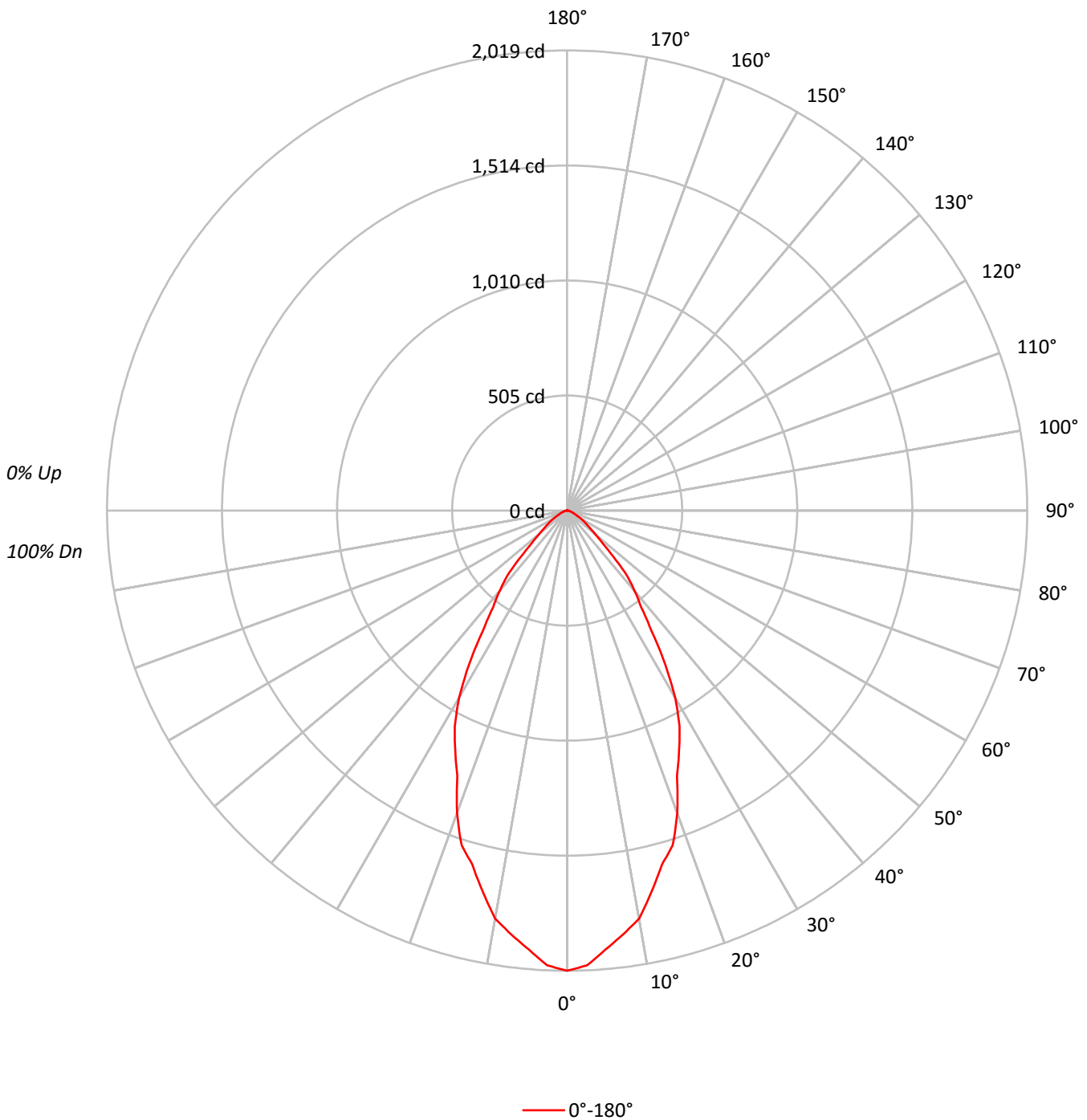
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	101	96	92	104	99	95	91	95	92	89		92	90	87		90	87	85	83
3	100	93	87	83	98	91	86	82	88	84	81		86	82	79		84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	74	71	70
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57		66	60	57		64	60	56	55
8	75	64	58	53	74	64	58	53	63	57	53		62	56	53		61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54	49	46	44

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	131701
5°	126611
10°	120437
15°	108567
20°	98080
25°	83668
30°	71401
35°	51426
40°	39261
45°	26397
50°	16331
55°	11750
60°	8560
65°	5835
70°	4921
75°	4008
80°	3719
85°	2994



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.1	9.2
10°-20°	453.4	23.0
20°-30°	534.4	27.1
30°-40°	415.5	21.1
40°-50°	227.9	11.5
50°-60°	95.0	4.8
60°-70°	40.2	2.0
70°-80°	17.3	0.9
80°-90°	4.9	0.2
90°-100°	2.2	0.1
100°-110°	1.3	0.1
110°-120°	0.0	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°	1168.9	59.2
0°-40°	1584.4	80.3
0°-60°	1907.4	96.7
0°-90°	1969.7	99.8
90°-120°	3.5	0.2
90°-150°	3.5	0.2
90°-180°	4.0	0.2
0°-180°	1973.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2019	
5°	1933	181
15°	1607	453
25°	1162	534
35°	646	415
45°	286	228
55°	103	95
65°	38	40
75°	16	17
85°	4	4
90°	2	1
95°	2	2
105°	2	1
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°	2018.7
2.5°	1996.9
5°	1933.3
7.5°	1875.7
10°	1818.0
12.5°	1712.7
15°	1607.4
17.5°	1539.9
20°	1412.7
22.5°	1259.7
25°	1162.3
27.5°	1067.0
30°	947.8
32.5°	802.7
35°	645.7
37.5°	532.5
40°	461.0
42.5°	391.4
45°	286.1
47.5°	206.6
50°	160.9
52.5°	127.2
55°	103.3
57.5°	83.5
60°	65.6
62.5°	47.7
65°	37.8
67.5°	31.8
70°	25.8
72.5°	19.9
75°	15.9
77.5°	11.9
80°	9.9
82.5°	6.0
85°	4.0
87.5°	2.0
90°	2.0
92.5°	2.0
95°	2.0
97.5°	2.0
100°	2.0
102.5°	2.0
105°	2.0
107.5°	0.0
110°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.0
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)