

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: P229317

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9050-6LBW1LI-GCC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229317
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-3040-9050-6LBW1LI-GCC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,
CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2013.1 lumens
Efficiency: N/A
Efficacy: 71.9 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

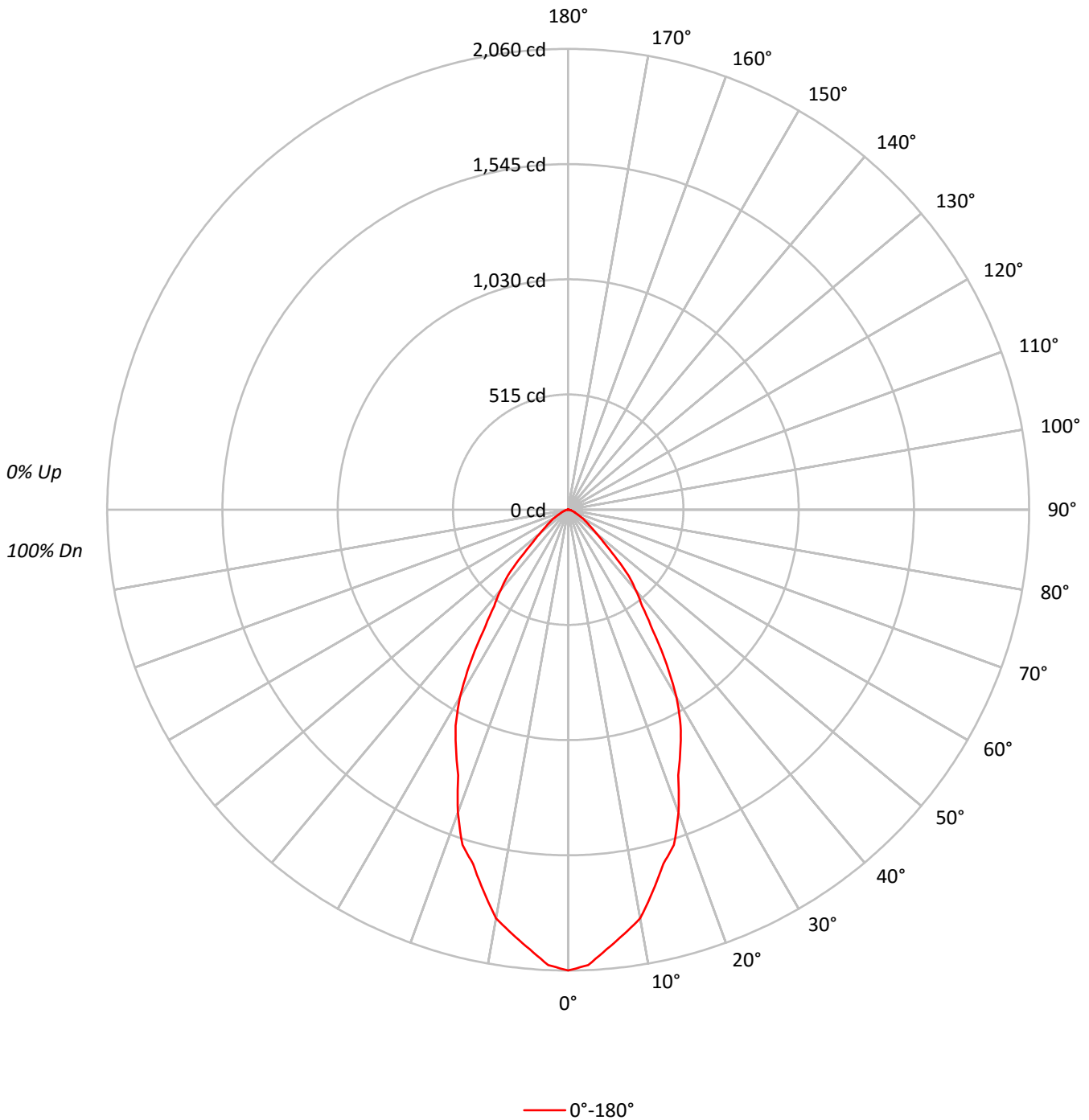
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	134370
5°	129172
10°	122875
15°	110769
20°	100066
25°	85367
30°	72840
35°	52470
40°	40053
45°	26932
50°	16666
55°	11989
60°	8729
65°	5943
70°	5036
75°	4084
80°	3795
85°	3069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	9.2
10°-20°	462.6	23.0
20°-30°	545.3	27.1
30°-40°	423.9	21.1
40°-50°	232.5	11.6
50°-60°	96.9	4.8
60°-70°	41.0	2.0
70°-80°	17.6	0.9
80°-90°	5.0	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°	1192.6	59.2
0°-40°	1616.5	80.3
0°-60°	1945.9	96.7
0°-90°	2009.6	99.8
90°-120°	3.5	0.2
90°-150°	3.5	0.2
90°-180°	4.0	0.2
0°-180°	2013.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2060	
5°	1972	185
15°	1640	463
25°	1186	545
35°	659	424
45°	292	233
55°	105	97
65°	38	41
75°	16	18
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°	2059.6
2.5°	2037.3
5°	1972.4
7.5°	1913.6
10°	1854.8
12.5°	1747.4
15°	1640.0
17.5°	1571.0
20°	1441.3
22.5°	1285.2
25°	1185.9
27.5°	1088.6
30°	966.9
32.5°	819.0
35°	658.8
37.5°	543.3
40°	470.3
42.5°	399.3
45°	291.9
47.5°	210.8
50°	164.2
52.5°	129.7
55°	105.4
57.5°	85.1
60°	66.9
62.5°	48.7
65°	38.5
67.5°	32.4
70°	26.4
72.5°	20.3
75°	16.2
77.5°	12.2
80°	10.1
82.5°	6.1
85°	4.1
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)