

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: P229319

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9027-6LBW1LI-GCC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229319
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-40-D010 / 340-EU6B-3040-9027-6LBW1LI-GCC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,
CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2682.2 lumens
Efficiency: N/A
Efficacy: 64.2 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

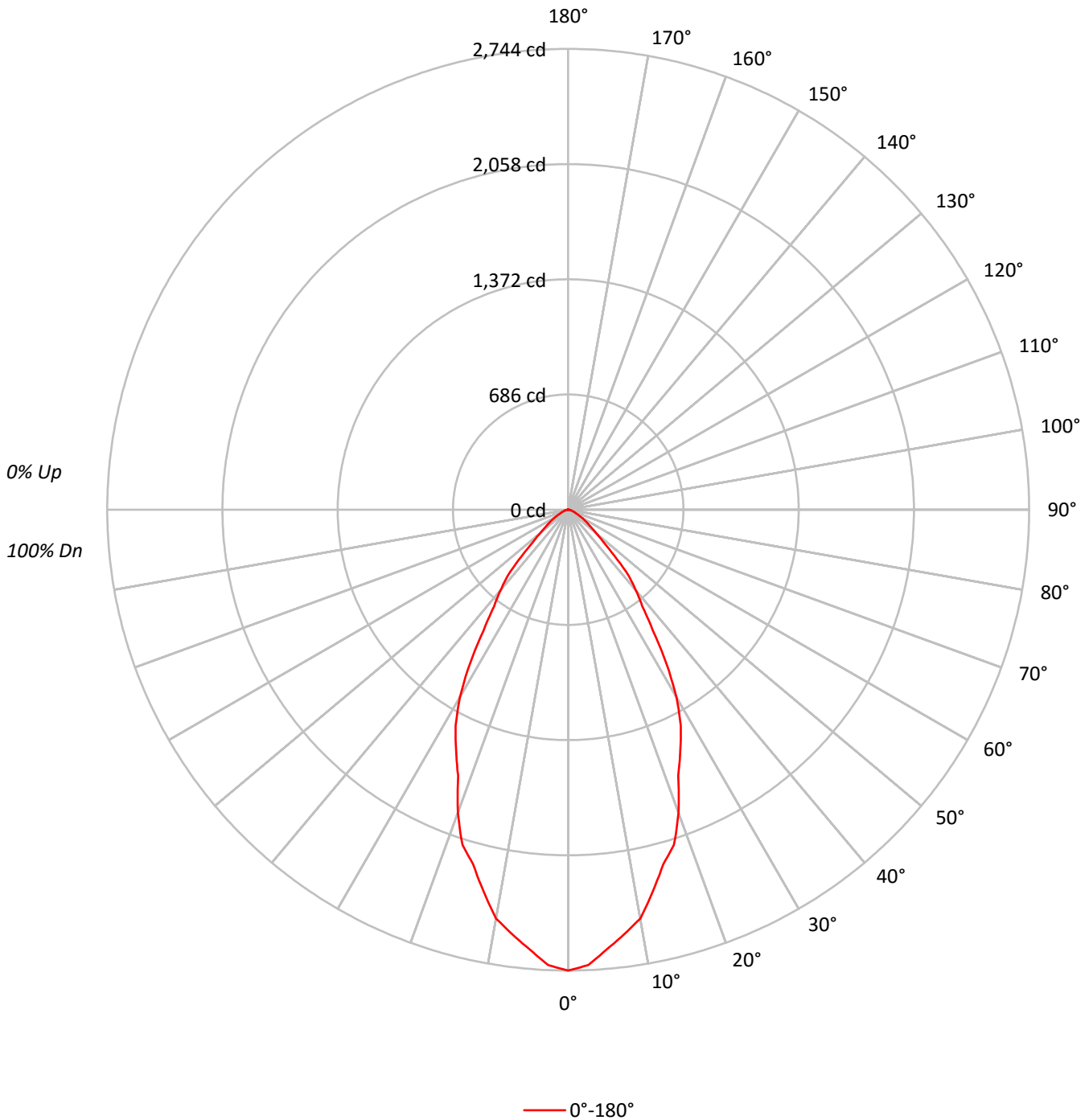
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	179027
5°	172107
10°	163716
15°	147579
20°	133322
25°	113736
30°	97052
35°	69912
40°	53365
45°	35882
50°	22207
55°	15970
60°	11626
65°	7919
70°	6695
75°	5445
80°	5072
85°	4042



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	9.2
10°-20°	616.3	23.0
20°-30°	726.5	27.1
30°-40°	564.8	21.1
40°-50°	309.8	11.6
50°-60°	129.2	4.8
60°-70°	54.6	2.0
70°-80°	23.5	0.9
80°-90°	6.6	0.2
90°-100°	2.9	0.1
100°-110°	1.8	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°	1589.0	59.2
0°-40°	2153.8	80.3
0°-60°	2592.7	96.7
0°-90°	2677.5	99.8
90°-120°	4.7	0.2
90°-150°	4.7	0.2
90°-180°	5.0	0.2
0°-180°	2682.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2744	
5°	2628	246
15°	2185	616
25°	1580	726
35°	878	565
45°	389	310
55°	140	129
65°	51	55
75°	22	23
85°	5	6
90°	3	1
95°	3	2
105°	3	2
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°	2744.1
2.5°	2714.4
5°	2628.0
7.5°	2549.7
10°	2471.3
12.5°	2328.2
15°	2185.0
17.5°	2093.2
20°	1920.3
22.5°	1712.4
25°	1580.0
27.5°	1450.4
30°	1288.3
32.5°	1091.2
35°	877.8
37.5°	723.8
40°	626.6
42.5°	532.1
45°	388.9
47.5°	280.9
50°	218.8
52.5°	172.9
55°	140.4
57.5°	113.4
60°	89.1
62.5°	64.8
65°	51.3
67.5°	43.2
70°	35.1
72.5°	27.0
75°	21.6
77.5°	16.2
80°	13.5
82.5°	8.1
85°	5.4
87.5°	2.7
90°	2.7
92.5°	2.7
95°	2.7
97.5°	2.7
100°	2.7
102.5°	2.7
105°	2.7
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)