

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: P229199

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9035-6LBW1LI-CF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
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-3040-9035-6LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1747.4 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

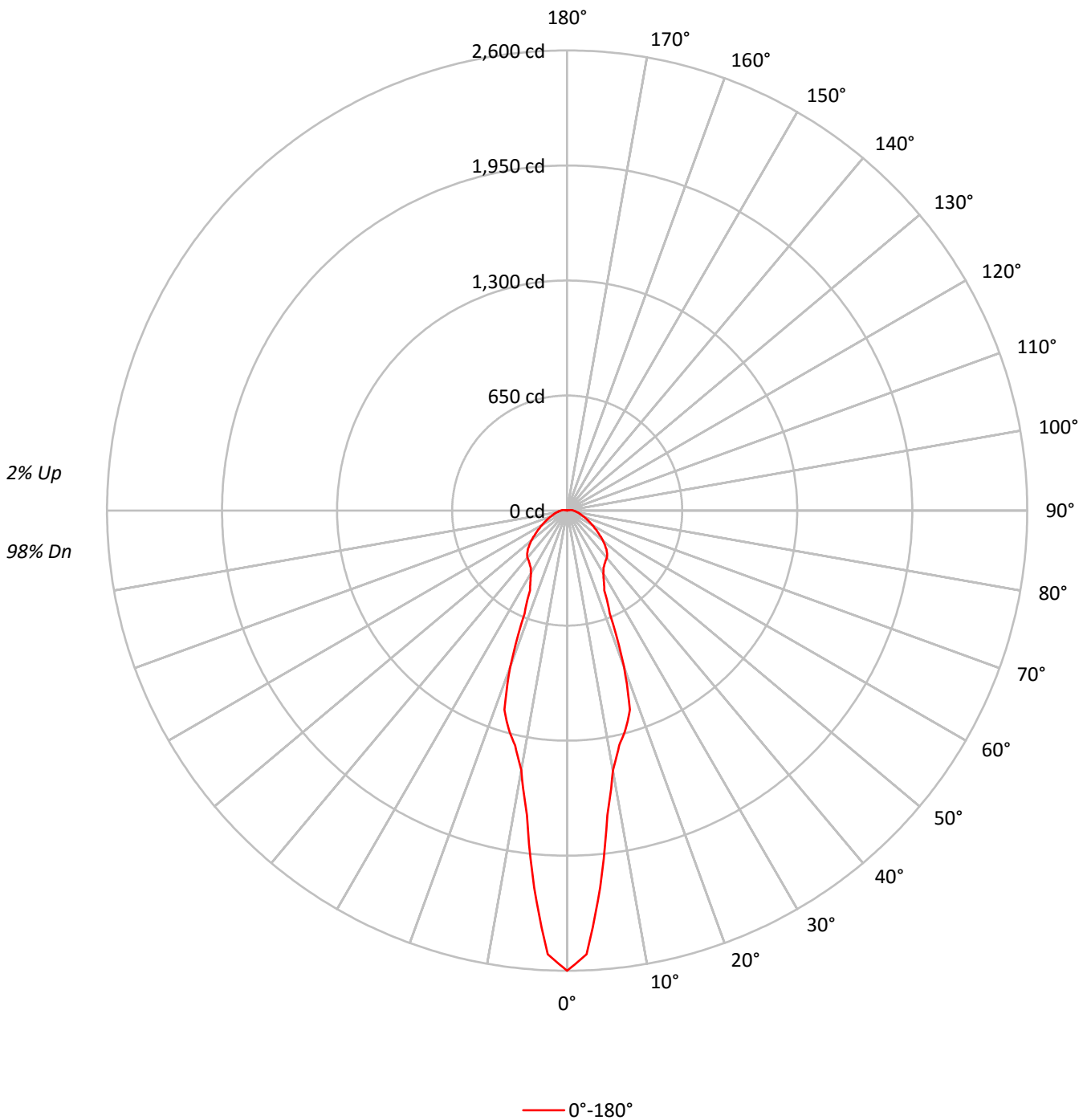
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	105	105	105	100	100	100	98
1	109	105	101	98	107	103	99	96	98	95	93	94	92	90	90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70	77	73	69	75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63	71	66	62	69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56	66	60	56	64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44	53	48	44	52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41	50	45	41	49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169626
5°	125152
10°	79583
15°	63254
20°	43616
25°	21928
30°	17263
35°	15045
40°	13869
45°	12291
50°	10224
55°	8103
60°	6427
65°	5084
70°	3979
75°	3178
80°	2609
85°	2099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	10.4
10°-20°	349.6	20.0
20°-30°	253.9	14.5
30°-40°	232.9	13.3
40°-50°	240.2	13.7
50°-60°	188.8	10.8
60°-70°	128.4	7.3
70°-80°	82.2	4.7
80°-90°	50.8	2.9
90°-100°	29.4	1.7
100°-110°	8.9	0.5
110°-120°	0.3	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°	785.5	45.0
0°-40°	1018.4	58.3
0°-60°	1447.4	82.8
0°-90°	1708.9	97.8
90°-120°	38.5	2.2
90°-150°	38.5	2.2
90°-180°	39.0	2.2
0°-180°	1747.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2600	
5°	2138	182
15°	1278	350
25°	498	254
35°	369	233
45°	314	240
55°	210	189
65°	129	128
75°	77	82
85°	46	41
90°	34	19
95°	28	20
105°	8	9
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°	2600.0
2.5°	2509.3
5°	2138.4
7.5°	1737.3
10°	1489.4
12.5°	1358.4
15°	1277.8
17.5°	1179.1
20°	939.2
22.5°	628.8
25°	497.8
27.5°	447.4
30°	409.1
32.5°	382.9
35°	368.8
37.5°	356.7
40°	348.7
42.5°	334.6
45°	314.4
47.5°	290.2
50°	264.0
52.5°	235.8
55°	209.6
57.5°	185.4
60°	165.3
62.5°	145.1
65°	129.0
67.5°	112.9
70°	98.8
72.5°	86.7
75°	76.6
77.5°	68.5
80°	60.5
82.5°	52.4
85°	46.4
87.5°	40.3
90°	34.3
92.5°	32.2
95°	28.2
97.5°	22.2
100°	16.1
102.5°	12.1
105°	8.1
107.5°	4.0
110°	2.0



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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)