

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: P229284

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9027-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)
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-3040-9027-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED 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: 1680.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

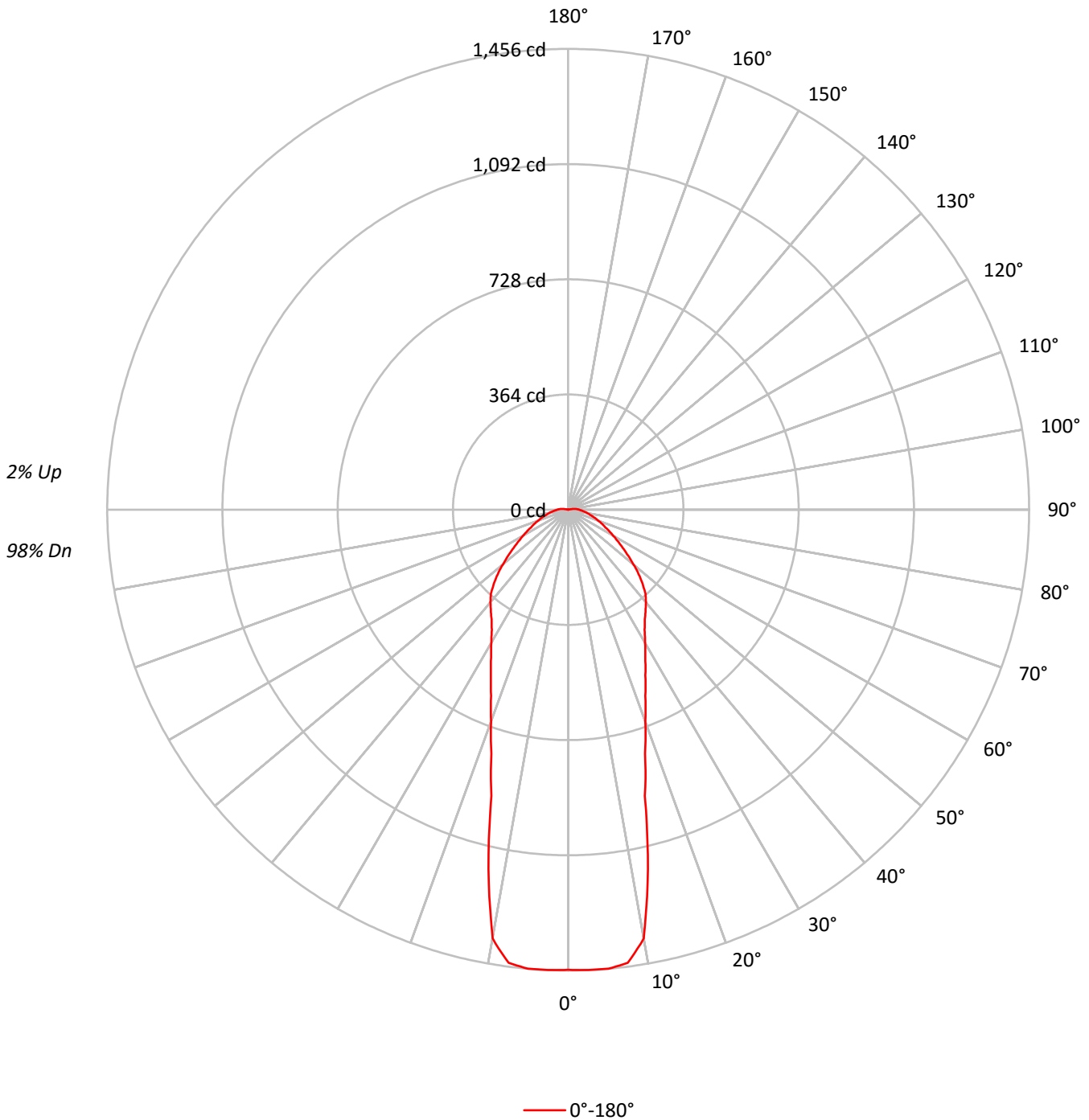
Input Watts (W): 28
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94853
5°	85202
10°	73503
15°	46339
20°	33093
25°	25416
30°	20479
35°	17223
40°	15198
45°	12995
50°	10433
55°	8126
60°	6389
65°	5045
70°	4079
75°	3248
80°	2635
85°	2077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.9	8.1
10°-20°	270.2	16.1
20°-30°	267.7	15.9
30°-40°	266.7	15.9
40°-50°	254.6	15.2
50°-60°	190.0	11.3
60°-70°	128.8	7.7
70°-80°	84.0	5.0
80°-90°	51.0	3.0
90°-100°	26.6	1.6
100°-110°	3.6	0.2
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°	674.8	40.2
0°-40°	941.5	56.0
0°-60°	1386.0	82.5
0°-90°	1649.9	98.2
90°-120°	30.2	1.8
90°-150°	30.2	1.8
90°-180°	30.0	1.8
0°-180°	1680.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1454	
5°	1456	137
15°	936	270
25°	577	268
35°	422	267
45°	332	255
55°	210	190
65°	128	129
75°	78	84
85°	46	41
90°	34	19
95°	25	18
105°	2	4
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°	1453.9
2.5°	1455.8
5°	1455.8
7.5°	1444.3
10°	1375.6
12.5°	1163.5
15°	936.1
17.5°	808.1
20°	712.6
22.5°	636.2
25°	577.0
27.5°	527.3
30°	485.3
32.5°	449.0
35°	422.2
37.5°	401.2
40°	382.1
42.5°	361.1
45°	332.4
47.5°	301.9
50°	269.4
52.5°	238.8
55°	210.2
57.5°	185.3
60°	164.3
62.5°	145.2
65°	128.0
67.5°	114.6
70°	101.3
72.5°	89.8
75°	78.3
77.5°	68.8
80°	61.1
82.5°	53.5
85°	45.9
87.5°	40.1
90°	34.4
92.5°	30.6
95°	24.8
97.5°	19.1
100°	11.5
102.5°	5.7
105°	1.9
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)