

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: P229218

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9050-6LBW1LI-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-15-D010 / 340-EU6B-1020-9050-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 861.5 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

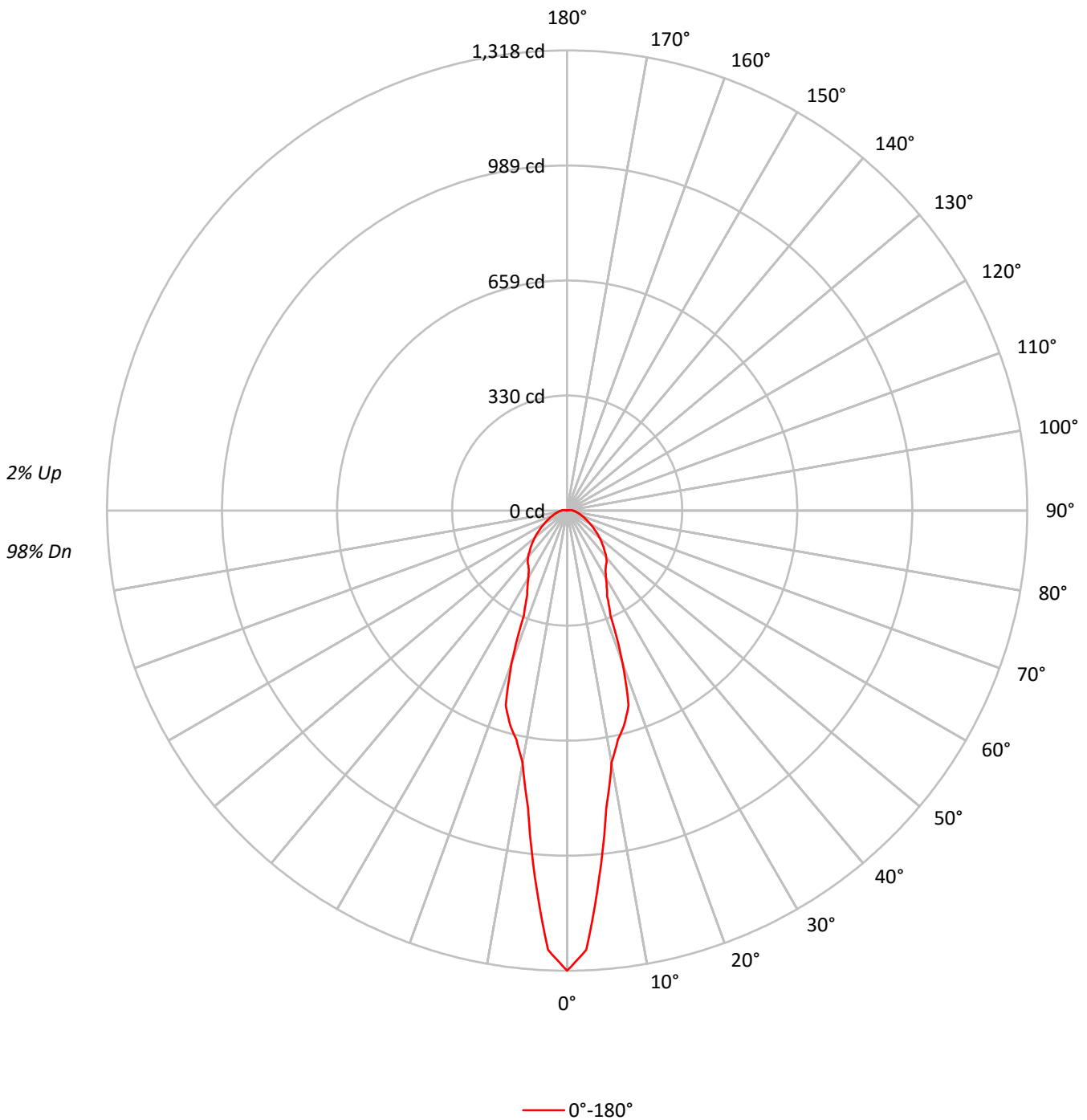
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85961
5°	61751
10°	39177
15°	31365
20°	21580
25°	11964
30°	9381
35°	7877
40°	6921
45°	5739
50°	4713
55°	3734
60°	2971
65°	2337
70°	1865
75°	1502
80°	1216
85°	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	10.5
10°-20°	173.0	20.1
20°-30°	134.3	15.6
30°-40°	122.2	14.2
40°-50°	113.4	13.2
50°-60°	87.3	10.1
60°-70°	59.7	6.9
70°-80°	38.8	4.5
80°-90°	24.1	2.8
90°-100°	14.0	1.6
100°-110°	4.4	0.5
110°-120°	0.1	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°	397.5	46.1
0°-40°	519.8	60.3
0°-60°	720.4	83.6
0°-90°	843.0	97.8
90°-120°	18.5	2.2
90°-150°	18.5	2.2
90°-180°	19.0	2.2
0°-180°	861.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1318	
5°	1055	90
15°	634	173
25°	272	134
35°	193	122
45°	147	113
55°	97	87
65°	59	60
75°	36	39
85°	22	19
90°	16	9
95°	13	10
105°	4	4
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1317.6
2.5°	1259.2
5°	1055.1
7.5°	857.9
10°	733.2
12.5°	671.9
15°	633.6
17.5°	584.4
20°	464.7
22.5°	324.9
25°	271.6
27.5°	245.4
30°	222.3
32.5°	204.2
35°	193.1
37.5°	186.1
40°	174.0
42.5°	159.9
45°	146.8
47.5°	133.8
50°	121.7
52.5°	108.6
55°	96.6
57.5°	86.5
60°	76.4
62.5°	67.4
65°	59.3
67.5°	53.3
70°	46.3
72.5°	41.2
75°	36.2
77.5°	32.2
80°	28.2
82.5°	25.1
85°	22.1
87.5°	19.1
90°	16.1
92.5°	15.1
95°	13.1
97.5°	11.1
100°	8.0
102.5°	6.0
105°	4.0
107.5°	2.0
110°	1.0



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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)