

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: P229219

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9024-6LBW1LI-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229219
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-20-D010 / 340-EU6B-1020-9024-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 993.1 lumens
Efficiency: N/A
Efficacy: 47.7 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

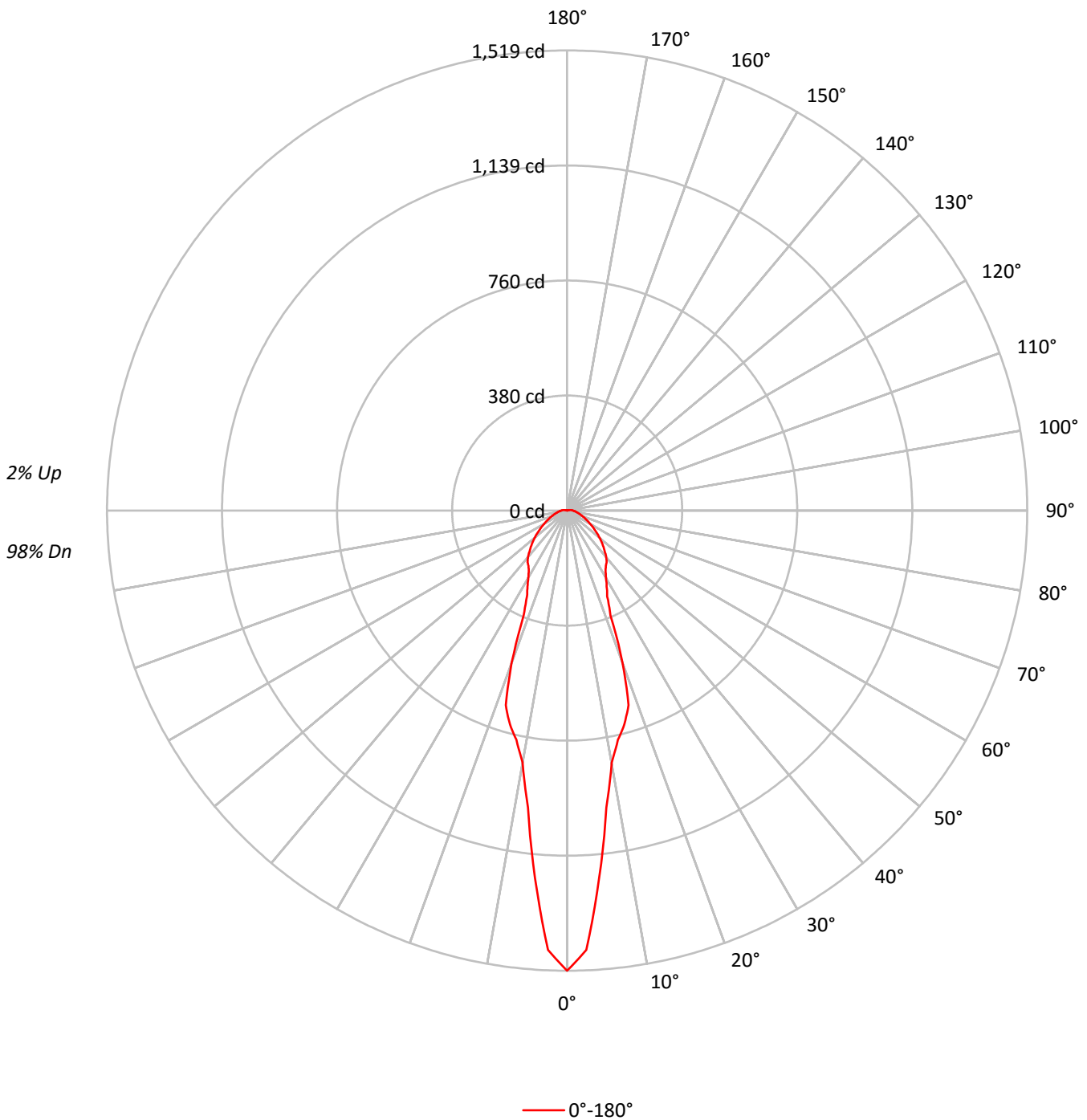
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	99087
5°	71179
10°	45162
15°	36156
20°	24873
25°	13787
30°	10811
35°	9081
40°	7979
45°	6619
50°	5433
55°	4303
60°	3426
65°	2696
70°	2146
75°	1730
80°	1401
85°	1154



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	10.5
10°-20°	199.5	20.1
20°-30°	154.8	15.6
30°-40°	140.9	14.2
40°-50°	130.7	13.2
50°-60°	100.6	10.1
60°-70°	68.8	6.9
70°-80°	44.7	4.5
80°-90°	27.8	2.8
90°-100°	16.2	1.6
100°-110°	5.1	0.5
110°-120°	0.2	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°	458.2	46.1
0°-40°	599.1	60.3
0°-60°	830.4	83.6
0°-90°	971.7	97.8
90°-120°	21.4	2.2
90°-150°	21.4	2.2
90°-180°	21.0	2.1
0°-180°	993.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1519	
5°	1216	104
15°	730	199
25°	313	155
35°	223	141
45°	169	131
55°	111	101
65°	68	69
75°	42	45
85°	26	22
90°	19	10
95°	15	11
105°	5	5
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°	1518.8
2.5°	1451.6
5°	1216.2
7.5°	989.0
10°	845.2
12.5°	774.5
15°	730.4
17.5°	673.6
20°	535.6
22.5°	374.5
25°	313.0
27.5°	282.9
30°	256.2
32.5°	235.4
35°	222.6
37.5°	214.5
40°	200.6
42.5°	184.3
45°	169.3
47.5°	154.2
50°	140.3
52.5°	125.2
55°	111.3
57.5°	99.7
60°	88.1
62.5°	77.7
65°	68.4
67.5°	61.4
70°	53.3
72.5°	47.5
75°	41.7
77.5°	37.1
80°	32.5
82.5°	29.0
85°	25.5
87.5°	22.0
90°	18.6
92.5°	17.4
95°	15.1
97.5°	12.8
100°	9.3
102.5°	7.0
105°	4.6
107.5°	2.3
110°	1.2



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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)