

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: P229248

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)
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-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 950.1 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

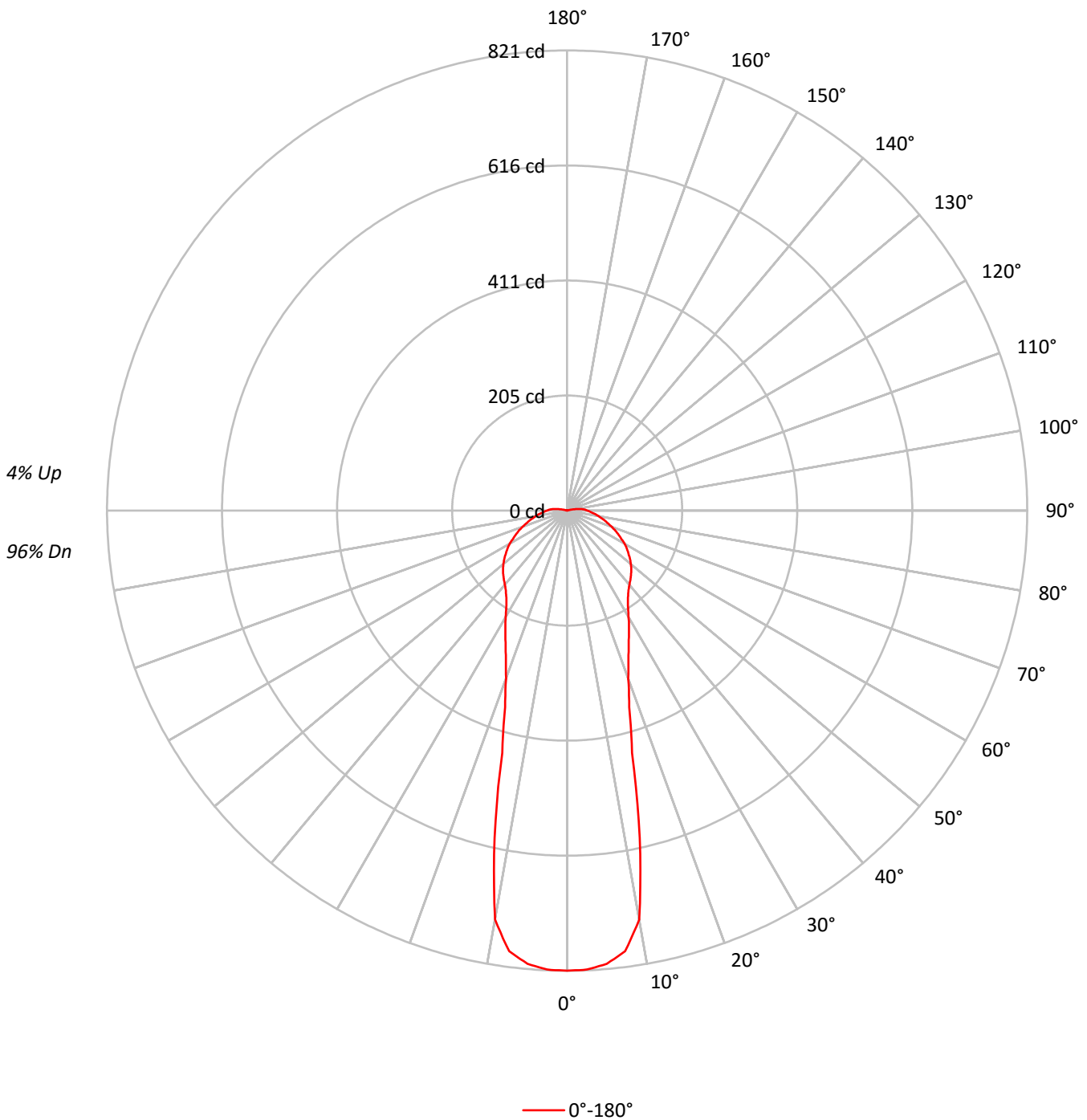
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48	58	52	47	56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	50	43	39	48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36	46	40	36	45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53556
5°	47500
10°	39589
15°	22152
20°	14805
25°	11440
30°	9246
35°	7710
40°	6869
45°	6302
50°	5747
55°	5153
60°	4600
65°	3977
70°	3407
75°	2888
80°	2449
85°	2045



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	7.9
10°-20°	131.4	13.8
20°-30°	120.5	12.7
30°-40°	119.8	12.6
40°-50°	124.5	13.1
50°-60°	119.6	12.6
60°-70°	100.1	10.5
70°-80°	73.8	7.8
80°-90°	49.9	5.3
90°-100°	29.0	3.0
100°-110°	6.0	0.6
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°	327.3	34.5
0°-40°	447.1	47.1
0°-60°	691.2	72.7
0°-90°	915.0	96.3
90°-120°	35.1	3.7
90°-150°	35.1	3.7
90°-180°	35.0	3.7
0°-180°	950.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	821	
5°	812	75
15°	448	131
25°	260	120
35°	189	120
45°	161	124
55°	133	120
65°	101	100
75°	70	74
85°	45	39
90°	36	20
95°	28	20
105°	5	6
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°	820.9
2.5°	819.7
5°	811.6
7.5°	793.0
10°	740.9
12.5°	598.2
15°	447.5
17.5°	367.5
20°	318.8
22.5°	285.2
25°	259.7
27.5°	238.8
30°	219.1
32.5°	201.7
35°	189.0
37.5°	179.7
40°	172.7
42.5°	167.0
45°	161.2
47.5°	155.4
50°	148.4
52.5°	141.4
55°	133.3
57.5°	126.4
60°	118.3
62.5°	109.0
65°	100.9
67.5°	92.8
70°	84.6
72.5°	76.5
75°	69.6
77.5°	62.6
80°	56.8
82.5°	51.0
85°	45.2
87.5°	40.6
90°	35.9
92.5°	32.5
95°	27.8
97.5°	20.9
100°	13.9
102.5°	8.1
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)