

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: P229253

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9050-6LBW1LI-GFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229253
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-1020-9050-6LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE GLASS KIT.
Light Source: (1) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1145.9 lumens
Efficiency: N/A
Efficacy: 55.1 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

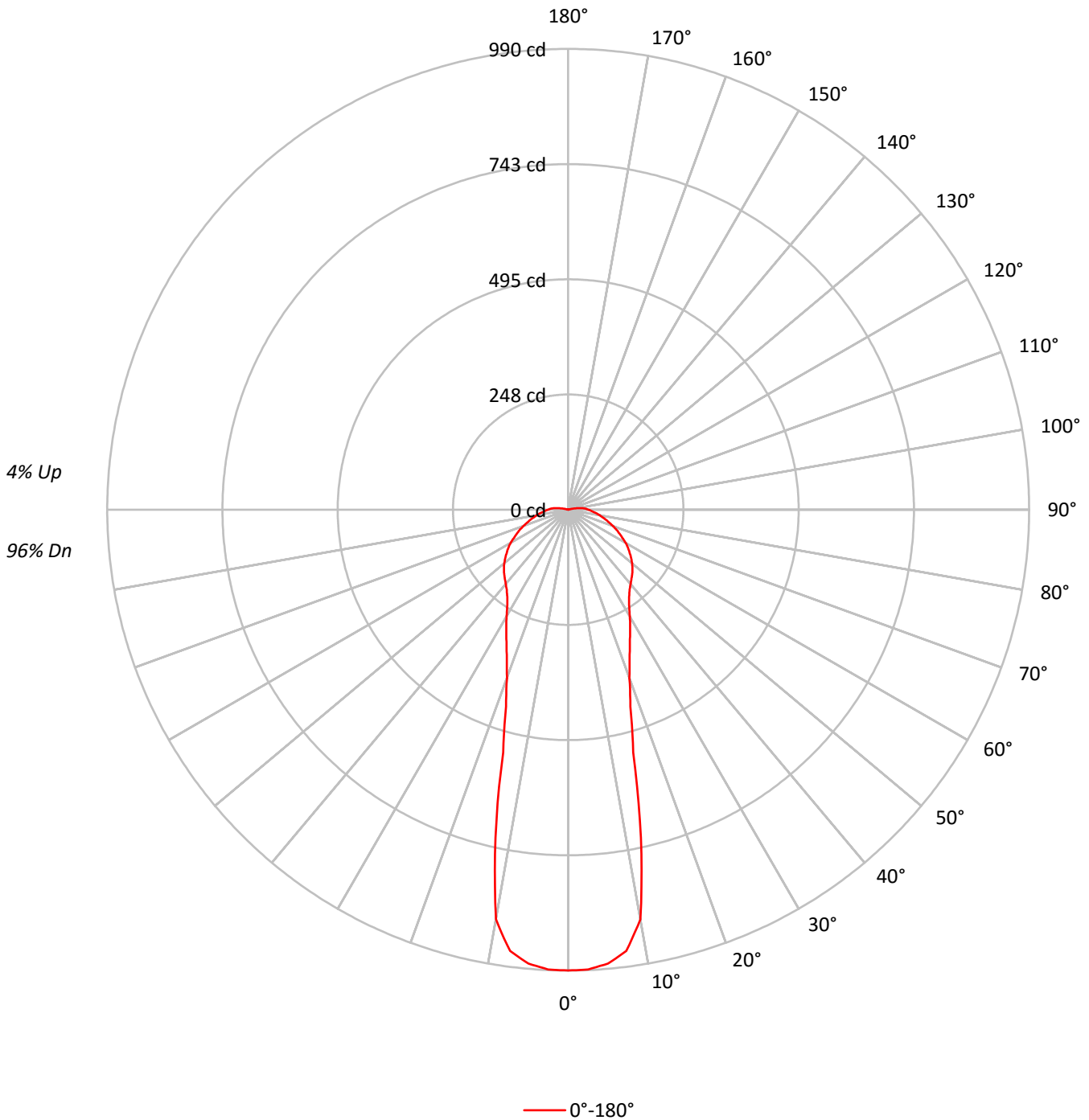
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	64582
5°	57285
10°	47742
15°	26716
20°	17856
25°	13796
30°	11153
35°	9297
40°	8285
45°	7600
50°	6932
55°	6216
60°	5545
65°	4793
70°	4112
75°	3481
80°	2954
85°	2466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	7.9
10°-20°	158.4	13.8
20°-30°	145.3	12.7
30°-40°	144.5	12.6
40°-50°	150.1	13.1
50°-60°	144.3	12.6
60°-70°	120.7	10.5
70°-80°	89.0	7.8
80°-90°	60.2	5.3
90°-100°	35.0	3.1
100°-110°	7.3	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°	394.8	34.5
0°-40°	539.2	47.1
0°-60°	833.6	72.7
0°-90°	1103.4	96.3
90°-120°	42.4	3.7
90°-150°	42.4	3.7
90°-180°	42.0	3.7
0°-180°	1145.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	990	
5°	979	91
15°	540	158
25°	313	145
35°	228	144
45°	194	150
55°	161	144
65°	122	121
75°	84	89
85°	54	48
90°	43	24
95°	34	24
105°	6	7
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°	989.9
2.5°	988.5
5°	978.8
7.5°	956.4
10°	893.5
12.5°	721.5
15°	539.7
17.5°	443.2
20°	384.5
22.5°	344.0
25°	313.2
27.5°	288.0
30°	264.3
32.5°	243.3
35°	227.9
37.5°	216.7
40°	208.3
42.5°	201.3
45°	194.4
47.5°	187.4
50°	179.0
52.5°	170.6
55°	160.8
57.5°	152.4
60°	142.6
62.5°	131.4
65°	121.6
67.5°	111.9
70°	102.1
72.5°	92.3
75°	83.9
77.5°	75.5
80°	68.5
82.5°	61.5
85°	54.5
87.5°	48.9
90°	43.3
92.5°	39.2
95°	33.6
97.5°	25.2
100°	16.8
102.5°	9.8
105°	5.6
107.5°	2.8
110°	1.4



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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)