

Scaled data based on original data using
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact
Fluorescent Lamps

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SHAPER

Report Number: 20068

Luminaire Tested: **422-CF1/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 20068
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 422-CF1/26
Description: INTERIOR SUSPENDED LUMINAIRE WITH WHITE PLASTIC CYLINDER LENS

Light Source: ONE SYLVANIA 26 WATT CPFL LAMP

CF26DD/E/830. LUMEN RATING = 1800 LMS.

Ballast/Driver: -

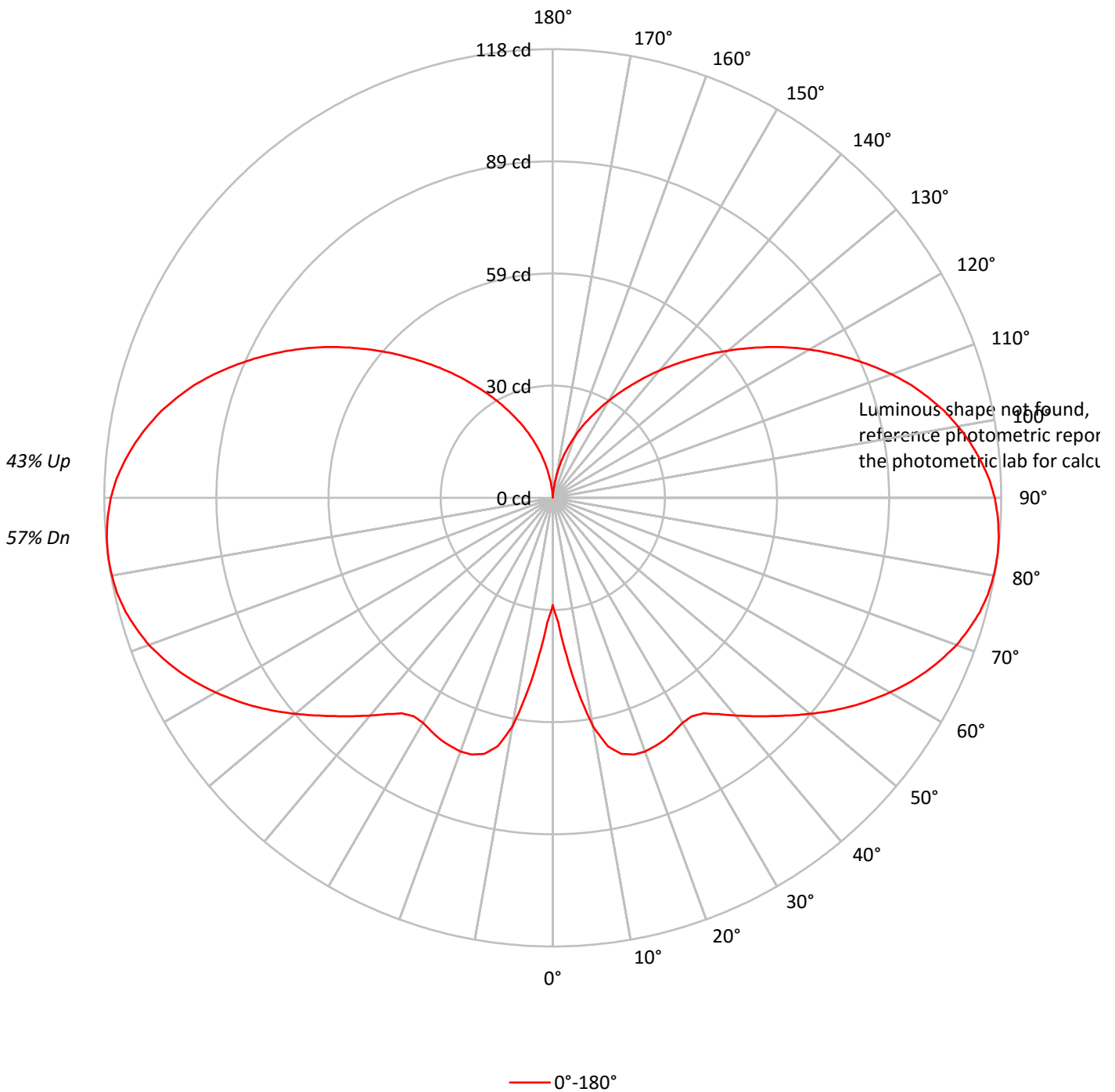
Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 1065.1 lumens
Efficiency: 59.2%
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 3.29 / 3.29 / 3.23
Luminous Opening: (L: 0' x W: -0.33' x H: 0.67'
CIE Type: General Diffuse

Input Watts (W): 25
Input Voltage (V): NR
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	64	64	64	64	60	60	60	60	52	52	52	44	44	44	37	37	37	34
1	55	51	47	44	51	47	44	41	40	37	35	33	31	29	27	26	24	21
2	49	43	38	33	45	39	35	31	33	29	26	27	24	22	22	20	18	15
3	44	36	31	26	40	34	28	24	28	24	21	23	20	17	18	16	14	11
4	40	32	26	21	36	29	24	20	24	20	17	20	16	14	16	13	11	9
5	36	28	22	18	33	26	20	16	21	17	14	17	14	11	14	11	9	7
6	33	25	19	15	30	23	18	14	19	15	12	16	12	10	12	10	8	6
7	30	22	17	13	28	20	15	12	17	13	10	14	11	8	11	9	6	5
8	28	20	15	11	26	18	14	10	15	11	9	13	9	7	10	8	6	4
9	26	18	13	10	24	17	12	9	14	10	8	12	9	6	9	7	5	4
10	24	16	12	9	22	15	11	8	13	9	7	11	8	6	9	6	4	3

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	4.6	0.4	0.3
10°-20°	19.5	1.8	1.1
20°-30°	32.3	3.0	1.8
30°-40°	44.1	4.1	2.5
40°-50°	63.1	5.9	3.5
50°-60°	85.9	8.1	4.8
60°-70°	107.4	10.1	6.0
70°-80°	122.7	11.5	6.8
80°-90°	128.2	12.0	7.1
90°-100°	123.0	11.6	6.8
100°-110°	108.0	10.1	6.0
110°-120°	86.0	8.1	4.8
120°-130°	62.1	5.8	3.5
130°-140°	40.3	3.8	2.2
140°-150°	23.0	2.2	1.3
150°-160°	11.0	1.0	0.6
160°-170°	3.5	0.3	0.2
170°-180°	0.3	0.0	0.0
0°-30°	56.4	5.3	3.1
0°-40°	100.5	9.4	5.6
0°-60°	249.5	23.4	13.9
0°-90°	607.8	57.1	33.8
90°-120°	317.0	29.8	17.6
90°-150°	442.5	41.5	24.6
90°-180°	457.0	42.9	25.4
0°-180°	1065.1	100.0	59.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	28	
5°	42	5
15°	70	20
25°	70	32
35°	69	44
45°	81	63
55°	96	86
65°	108	107
75°	116	123
85°	118	96
90°	116	64
95°	113	91
105°	102	108
115°	87	86
125°	69	62
135°	52	40
145°	36	23
155°	23	11
165°	12	4
175°	1	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	28.2
2.5°	32.7
5°	41.7
7.5°	51.6
10°	61.0
12.5°	66.9
15°	69.7
17.5°	70.8
20°	71.0
22.5°	70.6
25°	70.1
27.5°	69.2
30°	68.3
32.5°	68.1
35°	69.2
37.5°	71.7
40°	74.7
42.5°	77.9
45°	81.2
47.5°	84.7
50°	88.4
52.5°	92.1
55°	95.7
57.5°	99.1
60°	102.4
62.5°	105.5
65°	108.3
67.5°	110.8
70°	113.1
72.5°	114.8
75°	116.3
77.5°	117.3
80°	117.8
82.5°	118.0
85°	117.8
87.5°	117.2
90°	116.3
92.5°	114.9
95°	113.0
97.5°	110.8
100°	108.3
102.5°	105.5
105°	102.2
107.5°	98.8
110°	94.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	90.8
115°	86.6
117.5°	82.3
120°	78.0
122.5°	73.6
125°	69.1
127.5°	64.6
130°	60.2
132.5°	55.9
135°	51.6
137.5°	47.6
140°	43.7
142.5°	39.9
145°	36.3
147.5°	32.8
150°	29.5
152.5°	26.3
155°	23.2
157.5°	20.3
160°	17.4
162.5°	14.6
165°	11.9
167.5°	9.0
170°	6.5
172.5°	4.0
175°	1.4
177.5°	0.2
180°	0.1

(END OF REPORT)