

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: 19379

Luminaire Tested: **460--CF1/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 19379
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 460--CF1/26
Description: INTERIOR CEILING MOUNT LUMINAIRE WITH ALUMINUM SHADE

Light Source: ONE SYLVANIA 26 WATT CPFL LAMP

CF26DT/E/827. LUMEN RATING = 1800 LMS.

Ballast/Driver: -

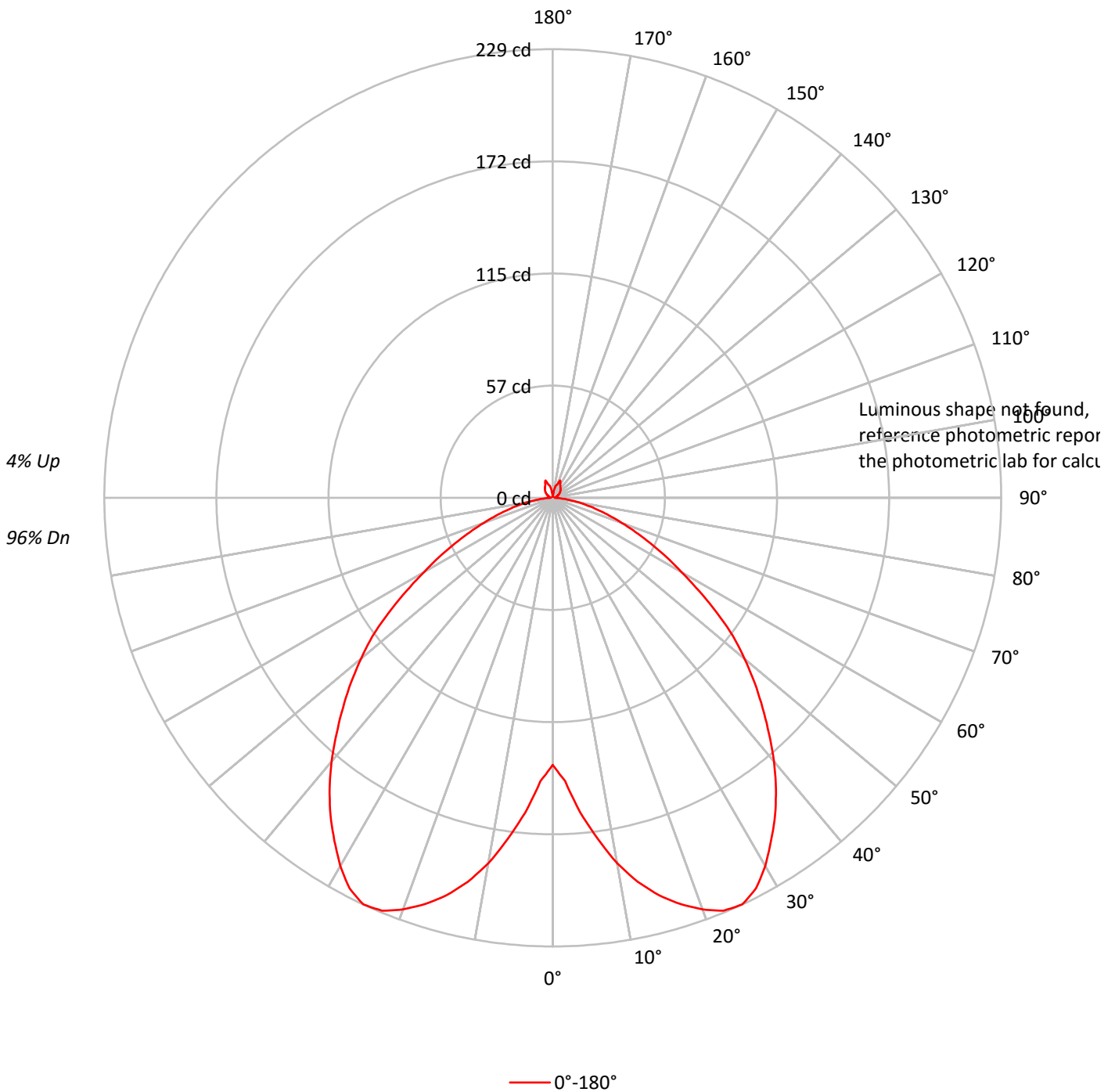
Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 623.5 lumens
Efficiency: 34.6%
Efficacy: 21.5 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 1.8 / 1.68
Luminous Opening: (L: 0 ' x W: -0.5 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 29
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	41	41	41	41	40	40	40	40	38	38	38	36	36	36	34	34	34	33
1	38	36	35	34	37	35	34	33	34	33	32	32	31	31	31	30	29	29
2	35	32	30	28	34	31	29	27	30	28	27	28	27	26	27	26	25	24
3	32	28	26	23	31	28	25	23	26	24	23	25	24	22	24	23	22	21
4	29	25	22	20	28	25	22	20	24	21	19	23	21	19	22	20	19	18
5	27	23	20	17	26	22	19	17	21	19	17	20	18	17	20	18	16	16
6	25	20	17	15	24	20	17	15	19	17	15	18	16	15	18	16	14	14
7	23	18	15	13	22	18	15	13	17	15	13	17	15	13	16	14	13	12
8	21	17	14	12	21	16	14	12	16	13	12	15	13	12	15	13	11	11
9	20	15	13	11	19	15	12	11	15	12	11	14	12	10	14	12	10	10
10	19	14	11	10	18	14	11	10	13	11	10	13	11	9	13	11	9	9

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	16.2	2.6	0.9
10°-20°	59.7	9.6	3.3
20°-30°	104.3	16.7	5.8
30°-40°	123.4	19.8	6.9
40°-50°	116.9	18.8	6.5
50°-60°	91.2	14.6	5.1
60°-70°	55.1	8.8	3.1
70°-80°	25.8	4.1	1.4
80°-90°	6.3	1.0	0.3
90°-100°	1.2	0.2	0.1
100°-110°	1.9	0.3	0.1
110°-120°	2.9	0.5	0.2
120°-130°	3.8	0.6	0.2
130°-140°	4.3	0.7	0.2
140°-150°	4.3	0.7	0.2
150°-160°	4.0	0.6	0.2
160°-170°	1.9	0.3	0.1
170°-180°	0.2	0.0	0.0
0°-30°	180.2	28.9	10.0
0°-40°	303.6	48.7	16.9
0°-60°	511.8	82.1	28.4
0°-90°	598.9	96.1	33.3
90°-120°	6.0	1.0	0.3
90°-150°	18.5	3.0	1.0
90°-180°	25.0	4.0	1.4
0°-180°	623.5	100.0	34.6

CANDELA DISTRIBUTION:

	0°	Flux
0°	136	
5°	161	16
15°	210	60
25°	229	104
35°	198	123
45°	152	117
55°	102	91
65°	55	55
75°	24	26
85°	5	6
90°	1	1
95°	1	1
105°	2	2
115°	3	3
125°	4	4
135°	6	4
145°	7	4
155°	9	4
165°	7	2
175°	1	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	136.3
2.5°	144.8
5°	161.2
7.5°	175.5
10°	189.4
12.5°	200.8
15°	210.1
17.5°	217.5
20°	223.6
22.5°	228.1
25°	229.0
27.5°	224.8
30°	217.0
32.5°	207.5
35°	197.9
37.5°	187.2
40°	175.8
42.5°	163.4
45°	151.5
47.5°	139.8
50°	127.8
52.5°	116.1
55°	102.3
57.5°	88.6
60°	75.9
62.5°	65.4
65°	54.9
67.5°	45.8
70°	37.6
72.5°	30.3
75°	24.0
77.5°	18.2
80°	13.4
82.5°	8.9
85°	5.2
87.5°	1.9
90°	0.9
92.5°	1.0
95°	1.0
97.5°	1.2
100°	1.4
102.5°	1.6
105°	1.9
107.5°	2.0
110°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.6
115°	2.9
117.5°	3.2
120°	3.6
122.5°	3.9
125°	4.3
127.5°	4.7
130°	5.0
132.5°	5.3
135°	5.6
137.5°	5.9
140°	6.2
142.5°	6.5
145°	6.9
147.5°	7.2
150°	7.6
152.5°	8.3
155°	9.2
157.5°	9.6
160°	8.0
162.5°	6.9
165°	6.6
167.5°	5.9
170°	4.2
172.5°	1.8
175°	0.8
177.5°	0.5
180°	0.5

(END OF REPORT)