

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: 19429

Luminaire Tested: **418-CF1/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 19429
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 418-CF1/26
Description: INTERIOR SUSPENDED LUMINAIRE WITH WHITE PLASTIC BOWL LENS

Light Source: ONE SYLVANIA 26 WATT CPFL LAMP

CF26DT/E/IN/841. LUMEN RATING = 1800 LMS.

Ballast/Driver: -

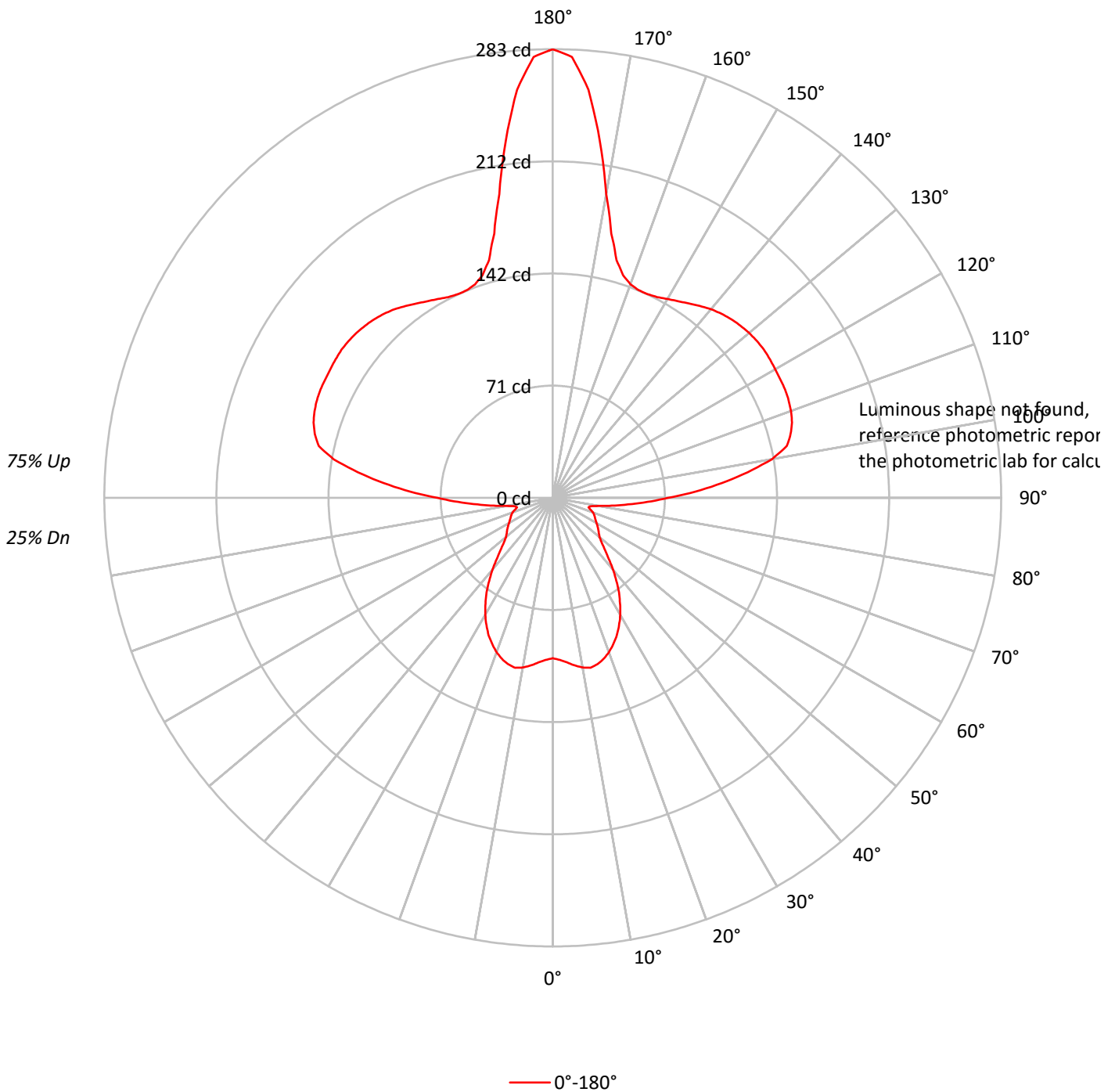
Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 1242.9 lumens
Efficiency: 69.0%
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.21
Luminous Opening: (L: 0 ' x W: -0.25 ' x H: 0.29 '
CIE Type: Semi-Indirect

Input Watts (W): 26
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



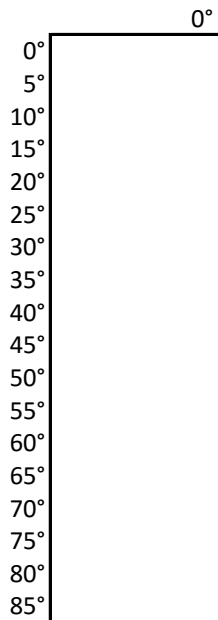


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	70	70	70	70	62	62	62	62	48	48	48	35	35	35	23	23	23	17
1	63	59	56	54	55	53	50	48	40	39	37	29	28	27	18	18	17	12
2	57	52	47	43	50	46	42	39	35	33	30	25	24	22	16	15	14	10
3	52	45	40	36	46	40	36	32	31	28	25	22	20	19	14	13	12	8
4	47	40	35	30	42	36	31	27	27	24	22	20	18	16	13	11	10	7
5	43	36	30	26	38	32	27	24	25	21	19	18	16	14	12	10	9	6
6	40	32	26	22	35	28	24	20	22	19	16	16	14	12	11	9	8	6
7	37	29	23	20	33	26	21	18	20	17	14	15	12	11	10	8	7	5
8	34	26	21	17	30	23	19	16	18	15	13	13	11	9	9	7	6	5
9	32	24	19	15	28	21	17	14	17	13	11	12	10	8	8	7	6	4
10	30	22	17	14	26	19	15	12	15	12	10	11	9	8	8	6	5	4

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	10.1	0.8	0.6
10°-20°	30.5	2.5	1.7
20°-30°	43.8	3.5	2.4
30°-40°	45.2	3.6	2.5
40°-50°	36.5	2.9	2.0
50°-60°	31.4	2.5	1.7
60°-70°	29.1	2.3	1.6
70°-80°	26.7	2.1	1.5
80°-90°	53.5	4.3	3.0
90°-100°	116.7	9.4	6.5
100°-110°	162.7	13.1	9.0
110°-120°	160.2	12.9	8.9
120°-130°	145.7	11.7	8.1
130°-140°	123.2	9.9	6.8
140°-150°	94.2	7.6	5.2
150°-160°	66.0	5.3	3.7
160°-170°	44.8	3.6	2.5
170°-180°	22.5	1.8	1.3
0°-30°	84.4	6.8	4.7
0°-40°	129.6	10.4	7.2
0°-60°	197.5	15.9	11.0
0°-90°	306.8	24.7	17.0
90°-120°	439.5	35.4	24.4
90°-150°	802.7	64.6	44.6
90°-180°	936.0	75.3	52.0
0°-180°	1242.9	100.0	69.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	101	
5°	104	10
15°	109	30
25°	96	44
35°	73	45
45°	46	36
55°	35	31
65°	29	29
75°	23	27
85°	48	35
90°	73	40
95°	107	94
105°	155	163
115°	162	160
125°	163	146
135°	159	123
145°	150	94
155°	142	66
165°	155	45
175°	258	23
180°	283	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	101.2
2.5°	102.3
5°	104.2
7.5°	106.7
10°	108.7
12.5°	109.8
15°	108.7
17.5°	106.6
20°	103.6
22.5°	99.9
25°	95.7
27.5°	90.6
30°	85.2
32.5°	79.0
35°	72.8
37.5°	65.9
40°	59.1
42.5°	52.3
45°	46.5
47.5°	41.8
50°	38.5
52.5°	36.6
55°	35.1
57.5°	33.5
60°	31.9
62.5°	30.5
65°	29.3
67.5°	28.3
70°	27.0
72.5°	25.1
75°	23.3
77.5°	24.5
80°	29.2
82.5°	37.6
85°	47.7
87.5°	59.8
90°	72.7
92.5°	90.2
95°	107.2
97.5°	124.0
100°	140.5
102.5°	151.3
105°	155.4
107.5°	158.3
110°	160.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	161.1
115°	161.7
117.5°	161.9
120°	162.1
122.5°	162.5
125°	162.8
127.5°	162.4
130°	161.8
132.5°	160.7
135°	159.3
137.5°	157.5
140°	155.3
142.5°	152.5
145°	149.6
147.5°	147.0
150°	144.8
152.5°	142.7
155°	141.7
157.5°	141.7
160°	143.3
162.5°	147.2
165°	155.2
167.5°	170.8
170°	194.5
172.5°	227.3
175°	258.4
177.5°	278.4
180°	282.9

(END OF REPORT)