

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: 14259A

Luminaire Tested: **417-CF1/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 14259A
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 417-CF1/26
Description: FLUORESCENT INDOOR PENDANT LUMINAIRE WITH WHITE ACRYLIC BOWL AND NO LENS
Light Source: ONE 26 WATT CPFL LAMP. LUMEN RATING = 1800 LMS.

Ballast/Driver: -

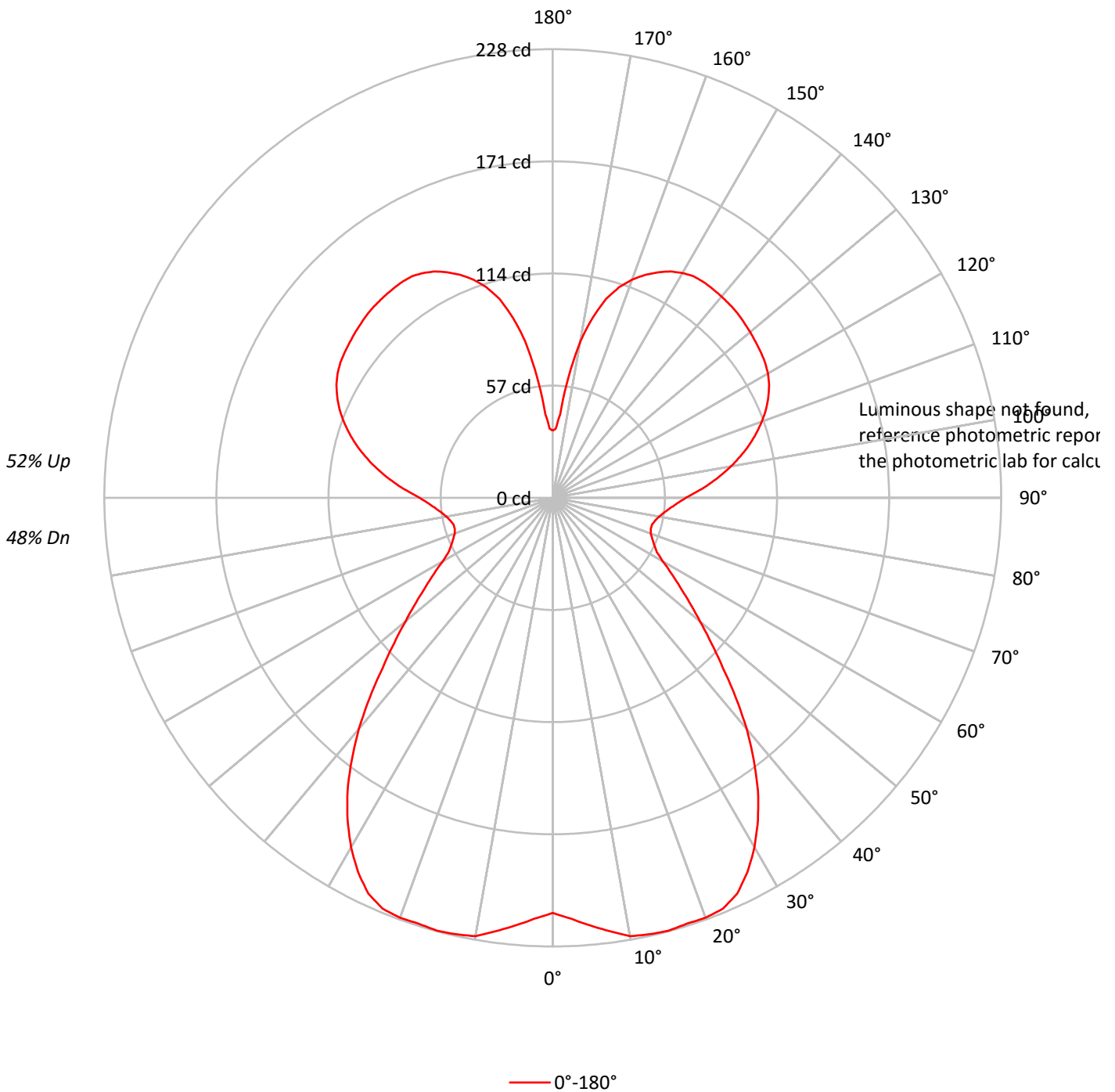
Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 1356.1 lumens
Efficiency: 75.3%
Efficacy: -
Spacing Criteria (0/90/45): 1.36 / 1.36 / 1.32
Luminous Opening: (L: 0 ' x W: -0.5 ' x H: 0 '
CIE Type: General Diffuse

Input Watts (W): 0
Input Voltage (V): NR
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



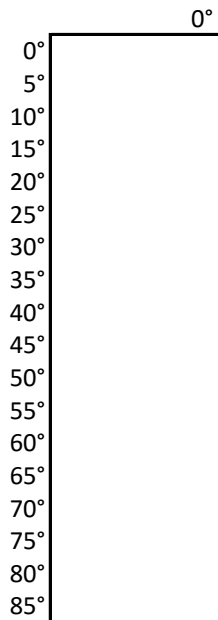


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	80	80	80	80	74	74	74	74	62	62	62	51	51	51	41	41	41	36
1	72	68	65	62	66	63	60	57	52	50	48	43	41	40	34	33	32	28
2	66	60	55	50	60	55	50	47	46	43	40	38	35	33	30	28	27	23
3	60	52	47	42	55	48	43	39	40	37	33	33	30	28	27	25	23	20
4	55	46	40	36	50	43	37	33	36	32	29	30	27	24	24	22	20	17
5	50	41	35	31	46	38	33	29	32	28	25	27	24	21	22	19	17	15
6	46	37	31	27	43	34	29	25	29	25	22	24	21	19	20	17	15	13
7	43	34	28	23	39	31	26	22	27	22	19	22	19	16	18	16	14	12
8	40	31	25	21	37	28	23	20	24	20	17	20	17	15	17	14	12	11
9	37	28	22	18	34	26	21	17	22	18	15	19	16	13	15	13	11	10
10	35	26	20	17	32	24	19	16	21	17	14	17	14	12	14	12	10	9

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	21.1	1.6	1.2
10°-20°	64.4	4.7	3.6
20°-30°	101.3	7.5	5.6
30°-40°	112.9	8.3	6.3
40°-50°	95.2	7.0	5.3
50°-60°	71.3	5.3	4.0
60°-70°	57.0	4.2	3.2
70°-80°	56.0	4.1	3.1
80°-90°	65.9	4.9	3.7
90°-100°	87.0	6.4	4.8
100°-110°	108.8	8.0	6.0
110°-120°	119.5	8.8	6.6
120°-130°	115.6	8.5	6.4
130°-140°	102.6	7.6	5.7
140°-150°	83.8	6.2	4.7
150°-160°	58.5	4.3	3.2
160°-170°	29.6	2.2	1.6
170°-180°	5.5	0.4	0.3
0°-30°	186.8	13.8	10.4
0°-40°	299.7	22.1	16.7
0°-60°	466.3	34.4	25.9
0°-90°	645.2	47.6	35.8
90°-120°	315.3	23.3	17.5
90°-150°	617.4	45.5	34.3
90°-180°	711.0	52.4	39.5
0°-180°	1356.1	100.0	75.3

CANDELA DISTRIBUTION:

0°	Flux
0°	211
5°	218
15°	228
25°	222
35°	182
45°	122
55°	79
65°	57
75°	52
85°	60
90°	68
95°	80
105°	103
115°	121
125°	129
135°	133
145°	134
155°	126
165°	105
175°	43
180°	34



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CANDELA DISTRIBUTION (FULL):

0°	
0°	211.0
2.5°	214.1
5°	218.2
7.5°	222.1
10°	226.2
12.5°	227.2
15°	227.7
17.5°	226.9
20°	227.1
22.5°	226.0
25°	221.9
27.5°	214.4
30°	205.1
32.5°	194.1
35°	181.9
37.5°	167.9
40°	153.3
42.5°	137.7
45°	122.4
47.5°	109.4
50°	97.7
52.5°	87.7
55°	78.9
57.5°	71.5
60°	64.5
62.5°	59.7
65°	56.9
67.5°	54.8
70°	53.0
72.5°	52.2
75°	52.3
77.5°	53.3
80°	54.9
82.5°	57.1
85°	59.9
87.5°	63.3
90°	67.6
92.5°	73.5
95°	79.8
97.5°	85.9
100°	92.0
102.5°	97.7
105°	103.3
107.5°	108.3
110°	113.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	117.3
115°	120.9
117.5°	124.0
120°	126.3
122.5°	128.0
125°	129.1
127.5°	130.0
130°	131.0
132.5°	131.9
135°	132.7
137.5°	133.2
140°	133.5
142.5°	133.7
145°	133.8
147.5°	133.4
150°	131.9
152.5°	129.7
155°	126.4
157.5°	122.6
160°	118.0
162.5°	112.2
165°	104.6
167.5°	93.7
170°	80.8
172.5°	62.7
175°	42.6
177.5°	35.1
180°	34.2

(END OF REPORT)