

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: 19854

Luminaire Tested: **226-CF2/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 19854
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 226-CF2/26
Description: INTERIOR CEILING MOUNT LUMINAIRE WITH WHITE INTERIOR AND WHITE
PLASTIC BOWL LENS
Light Source: TWO SYLVANIA 26 WATT CPFL LAMPS

CF26DD/E/841. LUMEN RATING = 3600 LMS.

Ballast/Driver: -

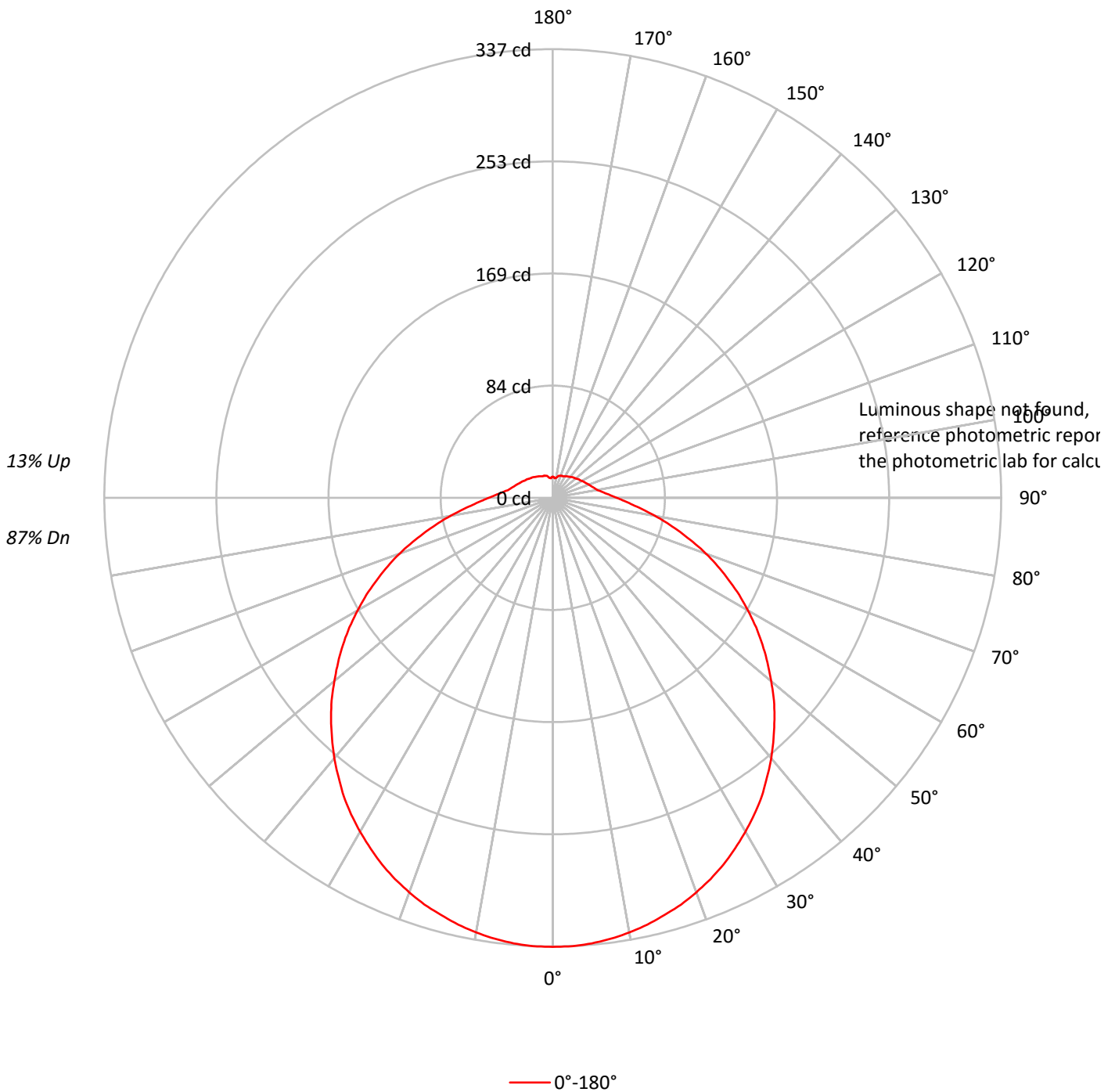
Summary

Lumens per Lamp: 3600 (1 lamp)
Luminaire Lumens: 1273.9 lumens
Efficiency: 35.4%
Efficacy: 30.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.41
Luminous Opening: (L: 0' x W: -0.08' x H: 0.21'
CIE Type: Semi-Direct

Input Watts (W): 42
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



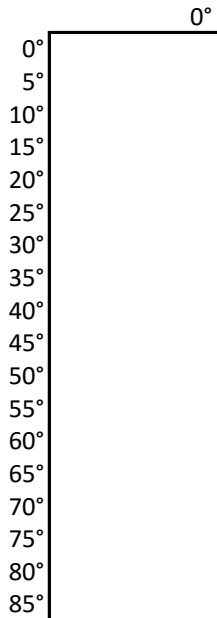


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	37	37	37	34	34	34	32	32	32	31
1	37	35	33	32	35	34	32	31	31	30	29	29	28	27	27	26	25	24
2	33	30	27	25	32	29	27	25	27	25	23	25	23	22	23	22	21	20
3	30	26	23	21	29	25	22	20	24	21	19	22	20	18	20	19	17	16
4	27	23	20	17	26	22	19	17	21	18	16	19	17	16	18	16	15	14
5	25	21	17	15	24	20	17	15	19	16	14	17	15	13	16	14	13	12
6	23	18	15	13	22	18	15	13	17	14	12	16	13	12	15	13	11	10
7	22	17	13	11	21	16	13	11	15	13	11	14	12	10	13	11	10	9
8	20	15	12	10	19	15	12	10	14	11	9	13	11	9	12	10	9	8
9	19	14	11	9	18	13	11	9	13	10	9	12	10	8	11	9	8	7
10	17	13	10	8	17	12	10	8	12	9	8	11	9	7	11	9	7	7

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	31.9	2.5	0.9
10°-20°	91.7	7.2	2.5
20°-30°	140.0	11.0	3.9
30°-40°	171.2	13.4	4.8
40°-50°	181.8	14.3	5.1
50°-60°	172.0	13.5	4.8
60°-70°	144.6	11.3	4.0
70°-80°	105.0	8.2	2.9
80°-90°	66.9	5.3	1.9
90°-100°	43.9	3.4	1.2
100°-110°	33.0	2.6	0.9
110°-120°	26.8	2.1	0.7
120°-130°	21.5	1.7	0.6
130°-140°	16.7	1.3	0.5
140°-150°	12.3	1.0	0.3
150°-160°	8.3	0.7	0.2
160°-170°	4.8	0.4	0.1
170°-180°	1.4	0.1	0.0
0°-30°	263.6	20.7	7.3
0°-40°	434.8	34.1	12.1
0°-60°	788.7	61.9	21.9
0°-90°	1105.1	86.7	30.7
90°-120°	103.7	8.1	2.9
90°-150°	154.3	12.1	4.3
90°-180°	169.0	13.3	4.7
0°-180°	1273.9	100.0	35.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	337	
5°	336	32
15°	324	92
25°	304	140
35°	274	171
45°	236	182
55°	192	172
65°	146	145
75°	99	105
85°	60	53
90°	48	26
95°	40	31
105°	31	33
115°	27	27
125°	24	21
135°	22	17
145°	20	12
155°	18	8
165°	17	5
175°	15	1
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	337.3
2.5°	337.1
5°	336.0
7.5°	334.1
10°	331.5
12.5°	328.4
15°	324.4
17.5°	320.4
20°	315.3
22.5°	309.9
25°	303.8
27.5°	296.8
30°	289.6
32.5°	281.9
35°	273.8
37.5°	264.5
40°	255.4
42.5°	245.5
45°	235.6
47.5°	225.5
50°	214.2
52.5°	203.4
55°	192.4
57.5°	181.2
60°	169.3
62.5°	157.9
65°	145.7
67.5°	134.2
70°	122.5
72.5°	110.3
75°	99.0
77.5°	88.1
80°	78.1
82.5°	68.4
85°	60.3
87.5°	53.6
90°	48.1
92.5°	43.5
95°	39.6
97.5°	36.7
100°	33.9
102.5°	32.5
105°	31.0
107.5°	29.8
110°	28.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	27.8
115°	26.9
117.5°	26.2
120°	25.3
122.5°	24.5
125°	24.1
127.5°	23.2
130°	22.6
132.5°	22.0
135°	21.7
137.5°	21.1
140°	20.5
142.5°	20.0
145°	19.6
147.5°	19.1
150°	18.7
152.5°	18.2
155°	17.8
157.5°	17.9
160°	17.5
162.5°	17.4
165°	17.2
167.5°	16.1
170°	15.3
172.5°	14.9
175°	14.8
177.5°	15.9
180°	15.7

(END OF REPORT)