

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: 19366

Luminaire Tested: **208-CF1/26**

Issue Date: 3/3/2020

**Test Information**

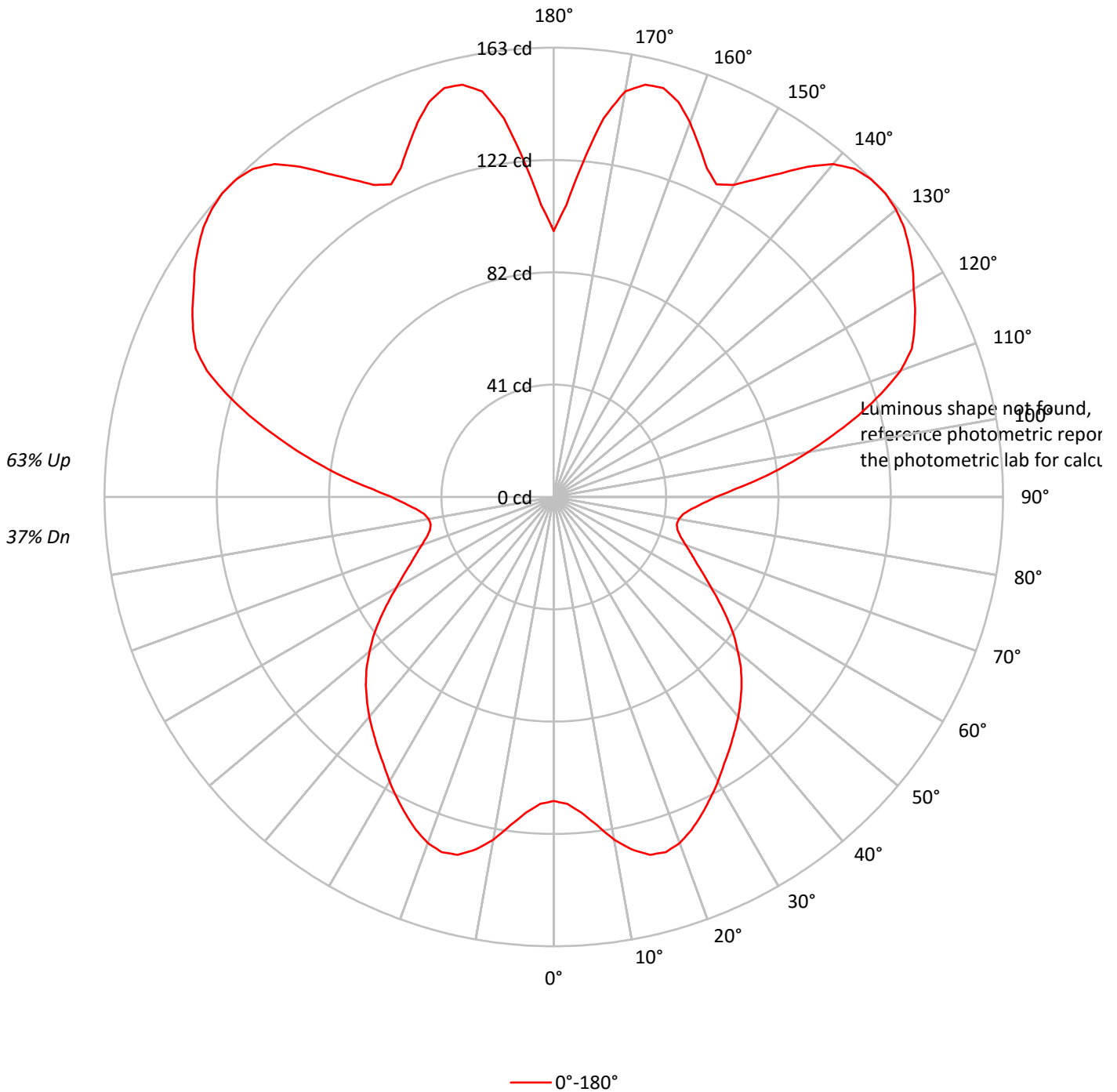
Test Method: LM-66-11  
Report Number: 19366  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 208-CF1/26  
Description: INTERIOR CEILING MOUNT LUMINAIRE WITH WHITE ACRYLIC LENS AND FROSTED  
ACRYLIC CONE OPTION  
Light Source: ONE SYLVANIA 26 WATT CPFL LAMP  
  
CF26DD/E/IN/841. LUMEN RATING = 1800 LMS.  
  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 1800 (1 lamp)  
Luminaire Lumens: 1302.3 lumens  
Efficiency: 72.3%  
Efficacy: 44.9 lumens/watt  
Spacing Criteria (0/90/45): 1.51 / 1.51 / 1.56  
Luminous Opening: (L: 0' x W: -0.33' x H: 0.25'  
CIE Type: Semi-Indirect  
  
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



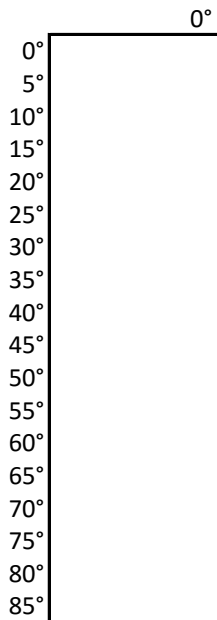


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	75	75	75	75	68	68	68	68	55	55	55		43	43	43		32	32	32	27
1	67	64	61	58	61	58	55	53	46	44	43		36	35	33		26	25	25	20
2	61	55	50	46	55	50	46	42	40	37	35		31	29	27		23	21	20	16
3	55	48	43	38	50	44	39	35	35	32	29		27	25	23		20	18	17	13
4	51	43	37	32	45	39	33	29	31	27	24		24	21	19		18	16	14	11
5	46	38	32	27	42	34	29	25	28	24	21		22	19	16		16	14	12	10
6	43	34	28	23	38	31	25	22	25	21	18		19	16	14		14	12	11	8
7	39	30	24	20	35	28	22	19	22	18	16		18	15	12		13	11	9	7
8	36	27	22	18	33	25	20	17	20	17	14		16	13	11		12	10	8	7
9	34	25	19	16	31	23	18	15	19	15	12		15	12	10		11	9	8	6
10	32	23	18	14	28	21	16	13	17	13	11		14	11	9		10	8	7	5

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	11.3	0.9	0.6
10°-20°	37.7	2.9	2.1
20°-30°	58.5	4.5	3.2
30°-40°	69.8	5.4	3.9
40°-50°	74.3	5.7	4.1
50°-60°	68.7	5.3	3.8
60°-70°	57.3	4.4	3.2
70°-80°	50.0	3.8	2.8
80°-90°	55.6	4.3	3.1
90°-100°	82.1	6.3	4.6
100°-110°	120.6	9.3	6.7
110°-120°	142.6	11.0	7.9
120°-130°	140.9	10.8	7.8
130°-140°	125.4	9.6	7.0
140°-150°	90.6	7.0	5.0
150°-160°	61.7	4.7	3.4
160°-170°	42.7	3.3	2.4
170°-180°	12.5	1.0	0.7
0°-30°	107.5	8.3	6.0
0°-40°	177.3	13.6	9.9
0°-60°	320.2	24.6	17.8
0°-90°	483.1	37.1	26.8
90°-120°	345.3	26.5	19.2
90°-150°	702.2	53.9	39.0
90°-180°	819.0	62.9	45.5
0°-180°	1302.3	100.0	72.3

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	110	
5°	115	11
15°	134	38
25°	127	58
35°	111	70
45°	96	74
55°	77	69
65°	57	57
75°	46	50
85°	50	40
90°	59	33
95°	75	65
105°	114	121
115°	144	143
125°	158	141
135°	163	125
145°	143	91
155°	132	62
165°	154	43
175°	122	13
180°	96	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	110.3
2.5°	111.4
5°	114.9
7.5°	120.1
10°	126.2
12.5°	131.0
15°	134.4
17.5°	135.1
20°	133.6
22.5°	130.7
25°	127.0
27.5°	123.1
30°	119.2
32.5°	114.9
35°	111.3
37.5°	107.6
40°	104.1
42.5°	100.3
45°	96.4
47.5°	92.1
50°	87.2
52.5°	82.3
55°	76.8
57.5°	71.3
60°	66.0
62.5°	61.4
65°	57.3
67.5°	54.0
70°	50.9
72.5°	48.3
75°	46.5
77.5°	45.7
80°	46.1
82.5°	47.4
85°	50.1
87.5°	54.0
90°	58.8
92.5°	65.9
95°	74.9
97.5°	84.1
100°	93.8
102.5°	103.8
105°	114.4
107.5°	124.5
110°	133.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	140.6
115°	144.4
117.5°	147.8
120°	150.8
122.5°	154.4
125°	157.5
127.5°	160.3
130°	162.1
132.5°	163.1
135°	162.9
137.5°	161.5
140°	157.6
142.5°	151.0
145°	143.2
147.5°	136.6
150°	130.7
152.5°	127.8
155°	131.5
157.5°	137.8
160°	144.5
162.5°	150.3
165°	153.6
167.5°	153.2
170°	149.4
172.5°	138.5
175°	121.8
177.5°	106.0
180°	96.5

(END OF REPORT)