

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: 16794

Luminaire Tested: **494-34-CF4/26-120SSB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-66-11  
Report Number: 16794  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 494-34-CF4/26-120SSB  
Description: PENDANT MOUNT LUMINAIRE  
WITH WHITE INTERIOR AND WHITE PLASTIC BOWL  
Light Source: FOUR SYLVANIA 26 WATT CPFL LAMPS  
  
CF26DD/E/841. LUMEN RATING = 7300 LMS.

Ballast/Driver: -

**Summary**

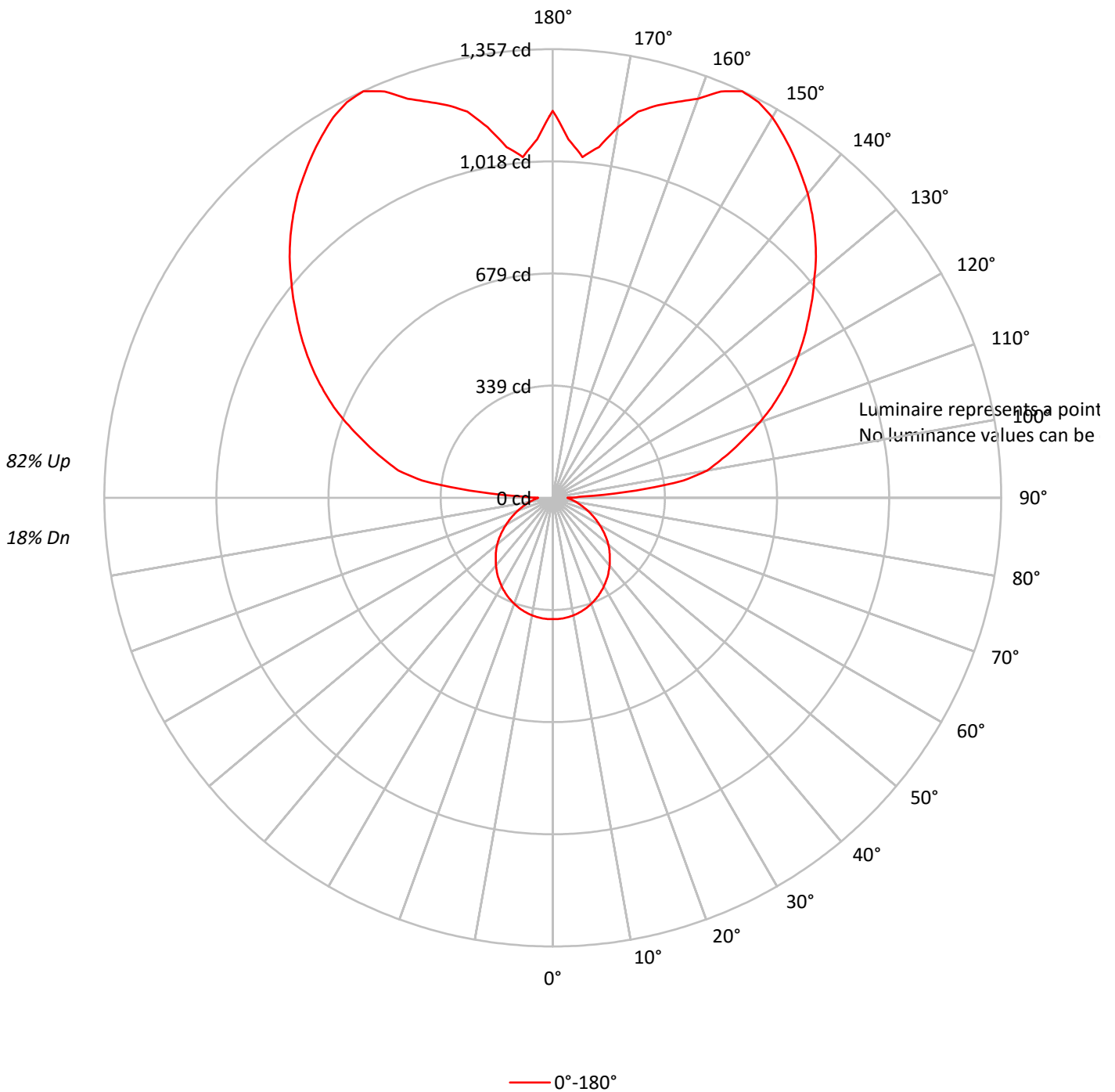
Lumens per Lamp: 7300 (1 lamp)  
Luminaire Lumens: 6321.6 lumens  
Efficiency: 86.6%  
Efficacy: 61.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Semi-Indirect

Input Watts (W): 103  
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	86	86	86	86	76	76	76	76	57	57	57	39	39	39	23	23	23	15
1	78	74	71	68	69	66	63	60	49	47	46	34	33	32	20	19	19	12
2	71	65	60	55	62	57	53	49	43	40	37	29	28	26	17	16	16	10
3	65	57	51	46	57	50	45	41	38	34	31	26	24	22	15	14	13	8
4	59	50	44	39	52	44	39	34	33	29	26	23	21	19	13	12	11	7
5	54	44	38	33	47	39	34	29	30	26	23	20	18	16	12	11	10	6
6	50	40	33	28	43	35	29	25	26	22	19	18	16	14	11	9	8	5
7	46	36	29	24	40	31	26	22	24	20	17	17	14	12	10	8	7	5
8	42	32	26	21	37	28	23	19	22	18	15	15	13	11	9	8	7	4
9	39	29	23	19	34	26	21	17	20	16	13	14	11	9	8	7	6	4
10	36	26	21	17	32	24	18	15	18	14	12	13	10	8	8	6	5	3

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	34.8	0.5	0.5
10°-20°	99.5	1.6	1.4
20°-30°	150.5	2.4	2.1
30°-40°	181.1	2.9	2.5
40°-50°	188.2	3.0	2.6
50°-60°	171.3	2.7	2.3
60°-70°	135.6	2.1	1.9
70°-80°	95.3	1.5	1.3
80°-90°	61.5	1.0	0.8
90°-100°	271.8	4.3	3.7
100°-110°	598.4	9.5	8.2
110°-120°	756.7	12.0	10.4
120°-130°	846.5	13.4	11.6
130°-140°	865.8	13.7	11.9
140°-150°	794.0	12.6	10.9
150°-160°	618.8	9.8	8.5
160°-170°	348.7	5.5	4.8
170°-180°	103.2	1.6	1.4
0°-30°	284.7	4.5	3.9
0°-40°	465.8	7.4	6.4
0°-60°	825.3	13.1	11.3
0°-90°	1117.6	17.7	15.3
90°-120°	1627.0	25.7	22.3
90°-150°	4133.3	65.4	56.6
90°-180°	5204.0	82.3	71.3
0°-180°	6321.6	100.0	86.6

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	366	
5°	366	35
15°	352	99
25°	327	150
35°	290	181
45°	244	188
55°	192	171
65°	136	136
75°	90	95
85°	56	49
90°	45	31
95°	253	254
105°	565	598
115°	764	757
125°	944	847
135°	1122	866
145°	1268	794
155°	1357	619
165°	1229	349
175°	1035	103
180°	1171	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	366.4
2.5°	367.1
5°	365.8
7.5°	363.9
10°	360.9
12.5°	357.2
15°	352.5
17.5°	347.3
20°	340.9
22.5°	334.2
25°	326.7
27.5°	318.1
30°	309.1
32.5°	299.6
35°	289.7
37.5°	278.5
40°	267.5
42.5°	255.6
45°	243.8
47.5°	232.1
50°	218.9
52.5°	205.9
55°	191.5
57.5°	177.4
60°	163.3
62.5°	150.0
65°	136.4
67.5°	123.8
70°	112.0
72.5°	100.1
75°	89.6
77.5°	79.6
80°	70.9
82.5°	62.9
85°	55.8
87.5°	49.0
90°	44.6
92.5°	88.3
95°	252.9
97.5°	398.5
100°	474.0
102.5°	517.7
105°	565.3
107.5°	612.8
110°	665.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	716.9
115°	764.4
117.5°	812.0
120°	856.6
122.5°	901.9
125°	944.4
127.5°	989.6
130°	1033.6
132.5°	1080.1
135°	1122.0
137.5°	1161.9
140°	1200.3
142.5°	1234.0
145°	1267.9
147.5°	1299.4
150°	1328.6
152.5°	1348.9
155°	1356.7
157.5°	1330.3
160°	1284.1
162.5°	1255.8
165°	1229.4
167.5°	1196.5
170°	1138.4
172.5°	1070.2
175°	1034.7
177.5°	1085.5
180°	1170.9

(END OF REPORT)