

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: 19377

Luminaire Tested: **433-14-SP-CF2/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 19377
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 433-14-SP-CF2/26
Description: INTERIOR CEILING MOUNT LUMINAIRE WITH WHITE GLASS LENS

Light Source: TWO SYLVANIA 26 WATT CPFL LAMPS

CF26DT/E/IN/841. LUMEN RATING = 3600 LMS.

Ballast/Driver: -

Summary

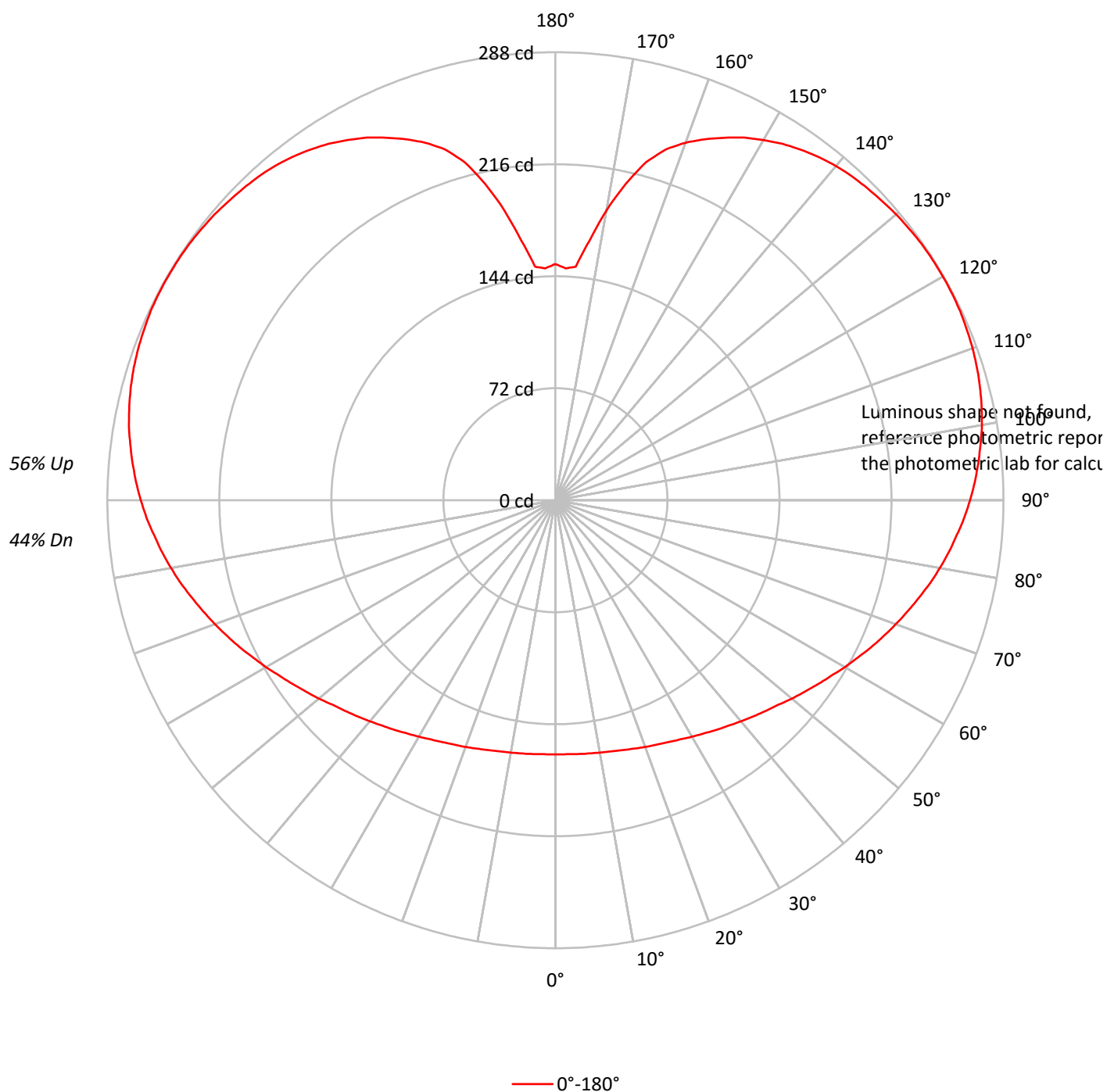
Lumens per Lamp: 3600 (1 lamp)
Luminaire Lumens: 3079.4 lumens
Efficiency: 85.5%
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 1.71 / 1.71 / 1.96
Luminous Opening: (L: 0' x W: -0.08' x H: 0.58'
CIE Type: General Diffuse

Input Watts (W): 54
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	90	90	90	90	83	83	83	83	68	68	68		55	55	55		43
1	79	73	69	64	71	67	62	59	54	51	48		43	40	38		32
2	70	62	55	50	63	56	50	45	45	41	37		35	32	29		26
3	63	53	46	40	57	48	42	36	39	34	30		30	26	23		22
4	57	47	39	33	52	42	35	30	34	29	24		26	22	19		19
5	52	41	33	27	47	37	30	25	30	25	20		23	19	16		17
6	48	36	29	23	43	33	26	21	27	21	17		21	17	13		15
7	44	33	25	20	40	30	23	18	24	19	15		19	15	12		14
8	41	29	22	17	37	27	20	16	22	17	13		17	13	10		13
9	38	27	20	15	34	24	18	14	20	15	11		16	12	9		12
10	35	24	18	13	32	22	16	12	18	13	10		14	11	8		11

AVERAGE LUMINANCE (cd/sqm):

0°	
5°	
10°	
15°	
20°	
25°	
30°	
35°	
40°	
45°	
50°	
55°	
60°	
65°	
70°	
75°	
80°	
85°	

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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	15.7	0.5	0.4
10°-20°	47.2	1.5	1.3
20°-30°	79.6	2.6	2.2
30°-40°	113.4	3.7	3.1
40°-50°	148.5	4.8	4.1
50°-60°	185.1	6.0	5.1
60°-70°	222.2	7.2	6.2
70°-80°	256.0	8.3	7.1
80°-90°	282.5	9.2	7.8
90°-100°	297.5	9.7	8.3
100°-110°	298.6	9.7	8.3
110°-120°	284.7	9.2	7.9
120°-130°	257.5	8.4	7.2
130°-140°	219.6	7.1	6.1
140°-150°	172.7	5.6	4.8
150°-160°	119.2	3.9	3.3
160°-170°	63.6	2.1	1.8
170°-180°	15.8	0.5	0.4
0°-30°	142.5	4.6	4.0
0°-40°	255.9	8.3	7.1
0°-60°	589.5	19.1	16.4
0°-90°	1350.3	43.8	37.5
90°-120°	880.7	28.6	24.5
90°-150°	1530.6	49.7	42.5
90°-180°	1729.0	56.1	48.0
0°-180°	3079.4	100.0	85.5

CANDELA DISTRIBUTION:

	0°	Flux
0°	163	
5°	164	16
15°	166	47
25°	172	80
35°	180	113
45°	191	148
55°	206	185
65°	224	222
75°	242	256
85°	259	210
90°	266	146
95°	273	224
105°	282	299
115°	287	285
125°	287	258
135°	284	220
145°	275	173
155°	257	119
165°	225	64
175°	151	16
180°	152	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	163.4
2.5°	163.4
5°	163.8
7.5°	164.2
10°	164.7
12.5°	165.4
15°	166.3
17.5°	167.4
20°	168.8
22.5°	170.0
25°	171.6
27.5°	173.4
30°	175.5
32.5°	177.7
35°	180.3
37.5°	182.7
40°	185.5
42.5°	188.4
45°	191.4
47.5°	194.5
50°	198.4
52.5°	202.1
55°	206.1
57.5°	210.1
60°	214.7
62.5°	219.0
65°	223.8
67.5°	228.3
70°	232.9
72.5°	237.4
75°	241.9
77.5°	246.6
80°	250.9
82.5°	255.1
85°	258.9
87.5°	263.0
90°	266.5
92.5°	269.8
95°	272.8
97.5°	275.6
100°	278.4
102.5°	280.5
105°	282.5
107.5°	284.1
110°	285.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	286.3
115°	287.1
117.5°	287.5
120°	287.6
122.5°	287.5
125°	287.3
127.5°	286.6
130°	285.9
132.5°	284.7
135°	283.6
137.5°	282.3
140°	280.5
142.5°	278.1
145°	275.1
147.5°	271.6
150°	267.3
152.5°	262.8
155°	257.1
157.5°	251.2
160°	244.6
162.5°	236.6
165°	224.9
167.5°	208.1
170°	189.3
172.5°	168.4
175°	150.7
177.5°	149.2
180°	151.8

(END OF REPORT)