

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: 19380

Luminaire Tested: **460-A--CF1/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 19380
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 460-A--CF1/26
Description: INTERIOR CEILING MOUNT LUMINAIRE WITH WHITE PLASTIC LENS

Light Source: ONE SYLVANIA 26 WATT CPFL LAMP

CF26DT/E/827. LUMEN RATING = 1800 LMS.

Ballast/Driver: -

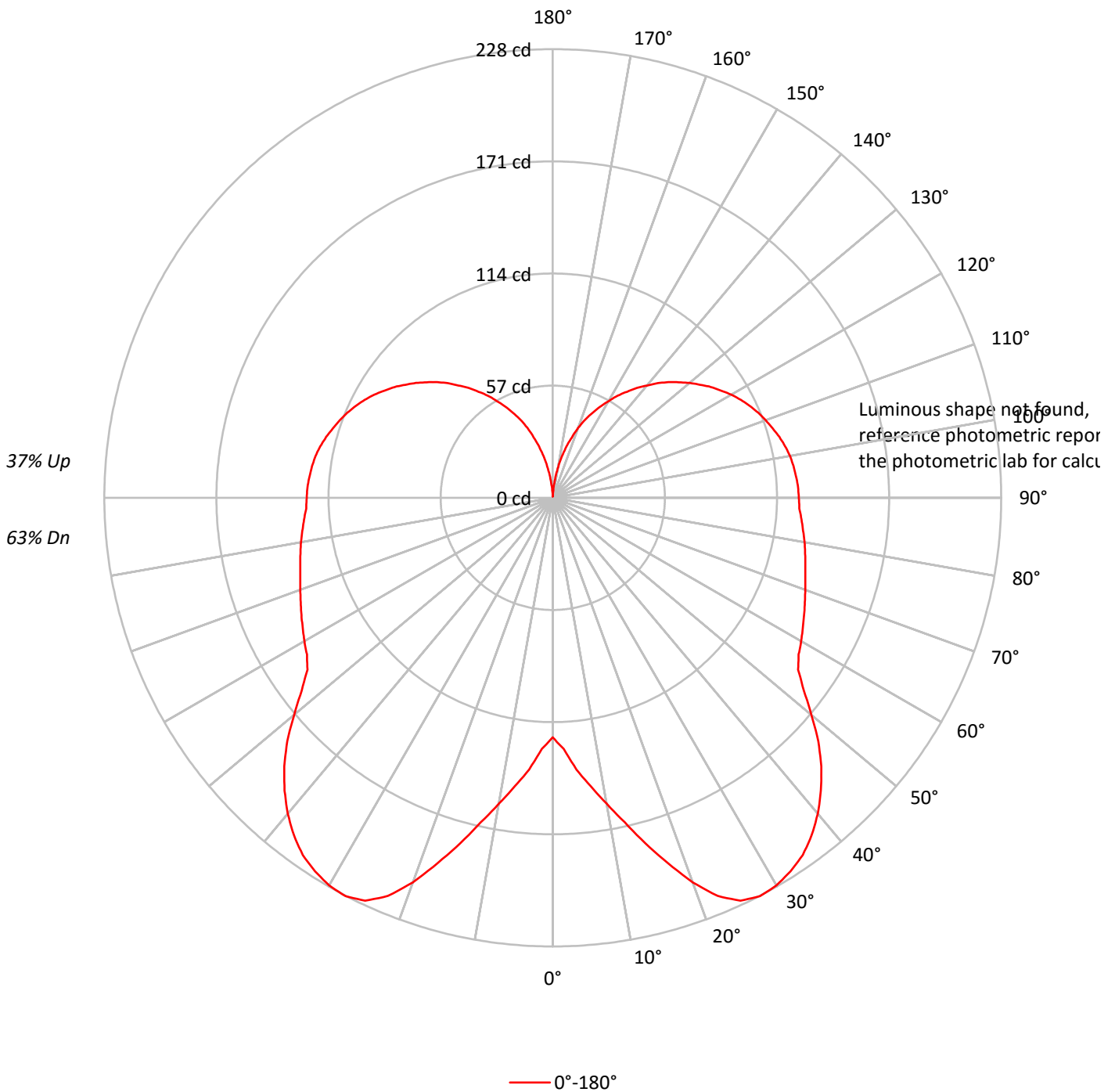
Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 1610.2 lumens
Efficiency: 89.5%
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 2.11 / 2.11 / 1.98
Luminous Opening: (L: 0 ' x W: -0.5 ' x H: 0.7 '
CIE Type: Semi-Direct

Input Watts (W): 29
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

TEST NUMBER: 19380
CATALOG NUMBER: 460-A--CF1/26

Luminous Intensity Polar Plot





TEST NUMBER: 19380
 CATALOG NUMBER: 460-A--CF1/26

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	99	99	99	99	92	92	92	92	81	81	81		71	71	71		61	61	61	56
1	87	81	76	72	81	76	71	67	66	62	59		57	54	52		48	46	44	40
2	78	69	62	56	72	64	58	53	56	51	47		48	44	41		41	38	35	31
3	70	60	52	45	65	56	49	43	48	43	38		41	37	33		35	32	28	25
4	64	52	44	38	59	49	41	36	42	36	31		36	32	28		31	27	24	21
5	58	46	38	32	54	43	36	30	38	31	27		32	27	23		27	23	20	17
6	53	41	33	27	50	39	31	26	34	27	23		29	24	20		25	21	17	15
7	49	37	29	23	46	35	27	22	30	24	20		26	21	18		22	18	15	13
8	46	33	26	21	42	31	24	19	28	22	17		24	19	15		20	16	13	11
9	42	30	23	18	39	29	22	17	25	19	15		22	17	14		19	15	12	10
10	40	28	21	16	37	26	20	15	23	18	14		20	15	12		17	13	11	9

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: 19380
 CATALOG NUMBER: 460-A--CF1/26

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	13.8	0.9	0.8
10°-20°	52.3	3.2	2.9
20°-30°	103.3	6.4	5.7
30°-40°	138.2	8.6	7.7
40°-50°	148.4	9.2	8.2
50°-60°	138.8	8.6	7.7
60°-70°	140.0	8.7	7.8
70°-80°	140.7	8.7	7.8
80°-90°	138.7	8.6	7.7
90°-100°	135.4	8.4	7.5
100°-110°	126.0	7.8	7.0
110°-120°	109.6	6.8	6.1
120°-130°	88.0	5.5	4.9
130°-140°	64.4	4.0	3.6
140°-150°	41.6	2.6	2.3
150°-160°	22.2	1.4	1.2
160°-170°	8.0	0.5	0.4
170°-180°	0.9	0.1	0.0
0°-30°	169.4	10.5	9.4
0°-40°	307.6	19.1	17.1
0°-60°	594.8	36.9	33.0
0°-90°	1014.2	63.0	56.3
90°-120°	370.9	23.0	20.6
90°-150°	564.9	35.1	31.4
90°-180°	596.0	37.0	33.1
0°-180°	1610.2	100.0	89.5

CANDELA DISTRIBUTION:

	0°	Flux
0°	122	
5°	139	14
15°	182	52
25°	226	103
35°	222	138
45°	193	148
55°	152	139
65°	141	140
75°	133	141
85°	127	104
90°	125	69
95°	124	101
105°	119	126
115°	110	110
125°	98	88
135°	83	64
145°	66	42
155°	48	22
165°	27	8
175°	6	1
180°	1	

TEST NUMBER: 19380
CATALOG NUMBER: 460-A--CF1/26

CANDELA DISTRIBUTION (FULL):

0°	
0°	121.7
2.5°	127.7
5°	138.6
7.5°	147.8
10°	157.9
12.5°	168.9
15°	181.7
17.5°	194.6
20°	207.9
22.5°	219.0
25°	225.9
27.5°	228.2
30°	227.4
32.5°	225.0
35°	221.6
37.5°	216.2
40°	209.6
42.5°	201.8
45°	193.0
47.5°	183.1
50°	171.6
52.5°	160.8
55°	152.2
57.5°	148.2
60°	145.8
62.5°	143.3
65°	141.0
67.5°	138.7
70°	136.6
72.5°	134.6
75°	132.9
77.5°	131.4
80°	130.0
82.5°	128.4
85°	126.9
87.5°	125.5
90°	125.1
92.5°	124.8
95°	124.2
97.5°	123.4
100°	122.5
102.5°	121.0
105°	119.3
107.5°	117.2
110°	115.2



TEST NUMBER: 19380
CATALOG NUMBER: 460-A--CF1/26

CANDELA DISTRIBUTION (continued):

	0°
112.5°	113.0
115°	110.5
117.5°	107.8
120°	104.8
122.5°	101.4
125°	98.2
127.5°	94.4
130°	90.8
132.5°	86.9
135°	83.1
137.5°	79.0
140°	74.5
142.5°	70.4
145°	65.8
147.5°	61.6
150°	56.8
152.5°	52.2
155°	47.5
157.5°	43.0
160°	37.9
162.5°	32.2
165°	27.0
167.5°	21.6
170°	16.2
172.5°	10.6
175°	5.6
177.5°	1.3
180°	0.6

(END OF REPORT)