

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: 20071

Luminaire Tested: **273-18-CF2/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 20071
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 273-18-CF2/26
Description: INTERIOR CEILING MOUNT LUMINAIRE WITH WHITE INTERIOR AND WHITE
PLASTIC LENS
Light Source: TWO SYLVANIA 26 WATT CPFL LAMPS

CF26DT/E/830. LUMEN RATING = 3600 LMS.

Ballast/Driver: -

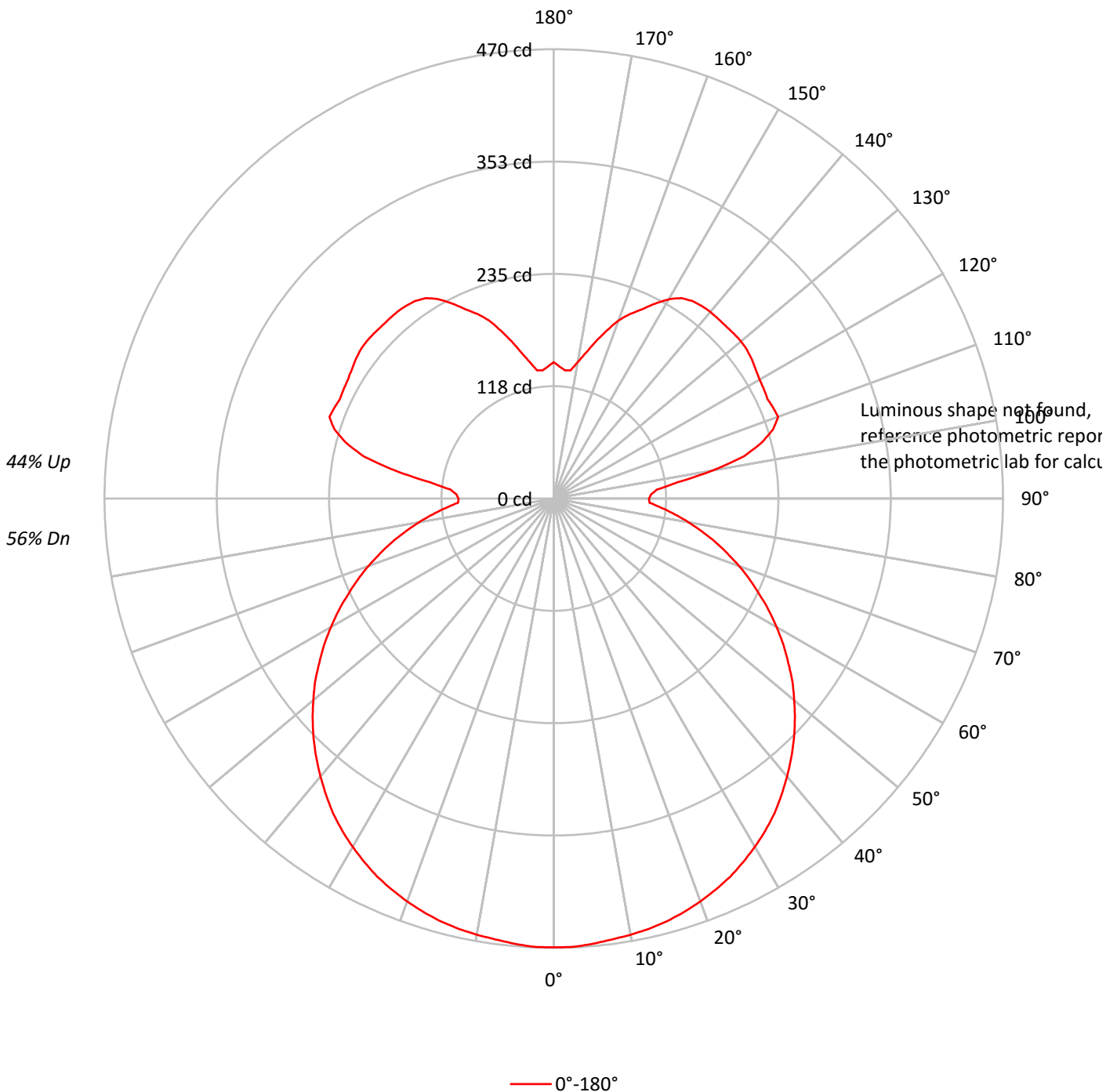
Summary

Lumens per Lamp: 3600 (1 lamp)
Luminaire Lumens: 3069.2 lumens
Efficiency: 85.3%
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.46
Luminous Opening: (L: 0' x W: -1.44' x H: 0.35'
CIE Type: General Diffuse

Input Watts (W): 54
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



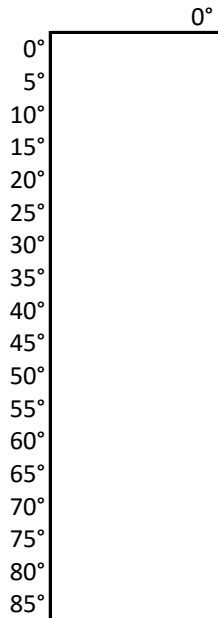


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	93	93	93	93	86	86	86	86	74	74	74		63	63	63		52	52	52	48
1	83	79	75	71	77	73	70	66	62	60	57		53	51	49		44	43	41	37
2	75	68	62	57	69	63	58	53	54	50	46		45	42	40		38	35	33	30
3	68	59	52	47	63	55	49	44	47	42	38		40	36	33		33	30	28	24
4	62	52	45	39	57	48	42	37	41	36	32		35	31	28		29	26	24	20
5	57	46	39	33	52	43	36	31	37	31	27		31	27	24		26	23	20	17
6	52	41	34	28	48	38	32	27	33	28	24		28	24	21		23	20	18	15
7	48	37	30	25	44	35	28	23	30	25	21		25	21	18		21	18	15	13
8	45	34	27	22	41	31	25	21	27	22	18		23	19	16		20	16	14	12
9	41	31	24	19	38	29	22	18	25	20	16		21	17	14		18	15	12	10
10	39	28	22	17	36	26	20	16	23	18	15		20	16	13		17	13	11	9

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	44.5	1.4	1.2
10°-20°	129.3	4.2	3.6
20°-30°	201.3	6.6	5.6
30°-40°	251.6	8.2	7.0
40°-50°	274.2	8.9	7.6
50°-60°	268.2	8.7	7.4
60°-70°	235.6	7.7	6.5
70°-80°	184.4	6.0	5.1
80°-90°	126.2	4.1	3.5
90°-100°	129.6	4.2	3.6
100°-110°	232.0	7.6	6.4
110°-120°	246.2	8.0	6.8
120°-130°	226.7	7.4	6.3
130°-140°	197.5	6.4	5.5
140°-150°	157.6	5.1	4.4
150°-160°	102.0	3.3	2.8
160°-170°	49.1	1.6	1.4
170°-180°	13.2	0.4	0.4
0°-30°	375.1	12.2	10.4
0°-40°	626.8	20.4	17.4
0°-60°	1169.1	38.1	32.5
0°-90°	1715.3	55.9	47.6
90°-120°	607.7	19.8	16.9
90°-150°	1189.6	38.8	33.0
90°-180°	1354.0	44.1	37.6
0°-180°	3069.2	100.0	85.3

CANDELA DISTRIBUTION:

	0°	Flux
0°	469	
5°	468	44
15°	458	129
25°	437	201
35°	402	252
45°	355	274
55°	300	268
65°	237	236
75°	175	184
85°	113	99
90°	100	55
95°	108	102
105°	225	232
115°	247	246
125°	253	227
135°	255	198
145°	252	158
155°	218	102
165°	170	49
175°	135	13
180°	143	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	469.4
2.5°	469.5
5°	467.6
7.5°	465.2
10°	463.3
12.5°	460.9
15°	457.7
17.5°	453.5
20°	448.5
22.5°	442.7
25°	436.6
27.5°	428.9
30°	420.7
32.5°	411.9
35°	402.3
37.5°	391.1
40°	379.7
42.5°	367.8
45°	355.2
47.5°	342.1
50°	328.5
52.5°	314.6
55°	299.5
57.5°	284.9
60°	269.2
62.5°	253.8
65°	237.4
67.5°	222.0
70°	206.2
72.5°	190.2
75°	174.6
77.5°	158.6
80°	143.3
82.5°	128.0
85°	113.4
87.5°	100.2
90°	99.5
92.5°	102.1
95°	108.4
97.5°	130.7
100°	168.7
102.5°	203.5
105°	224.8
107.5°	240.7
110°	249.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	248.4
115°	246.7
117.5°	247.7
120°	248.7
122.5°	250.7
125°	253.2
127.5°	255.0
130°	255.7
132.5°	255.4
135°	254.8
137.5°	254.8
140°	254.8
142.5°	254.1
145°	252.3
147.5°	248.6
150°	240.7
152.5°	229.8
155°	218.4
157.5°	208.9
160°	198.3
162.5°	184.0
165°	170.0
167.5°	156.2
170°	144.9
172.5°	135.3
175°	134.6
177.5°	138.2
180°	142.7

(END OF REPORT)