

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: 20070A

Luminaire Tested: **273-14-CF2/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 20070A
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 273-14-CF2/26
Description: INTERIOR CEILING MOUNT LUMINAIRE WITH WHITE INTERIOR AND WHITE PLASTIC LENS
Light Source: TWO 26 WATT CPFL LAMPS. LUMEN RATING = 3600 LMS.

Ballast/Driver: -

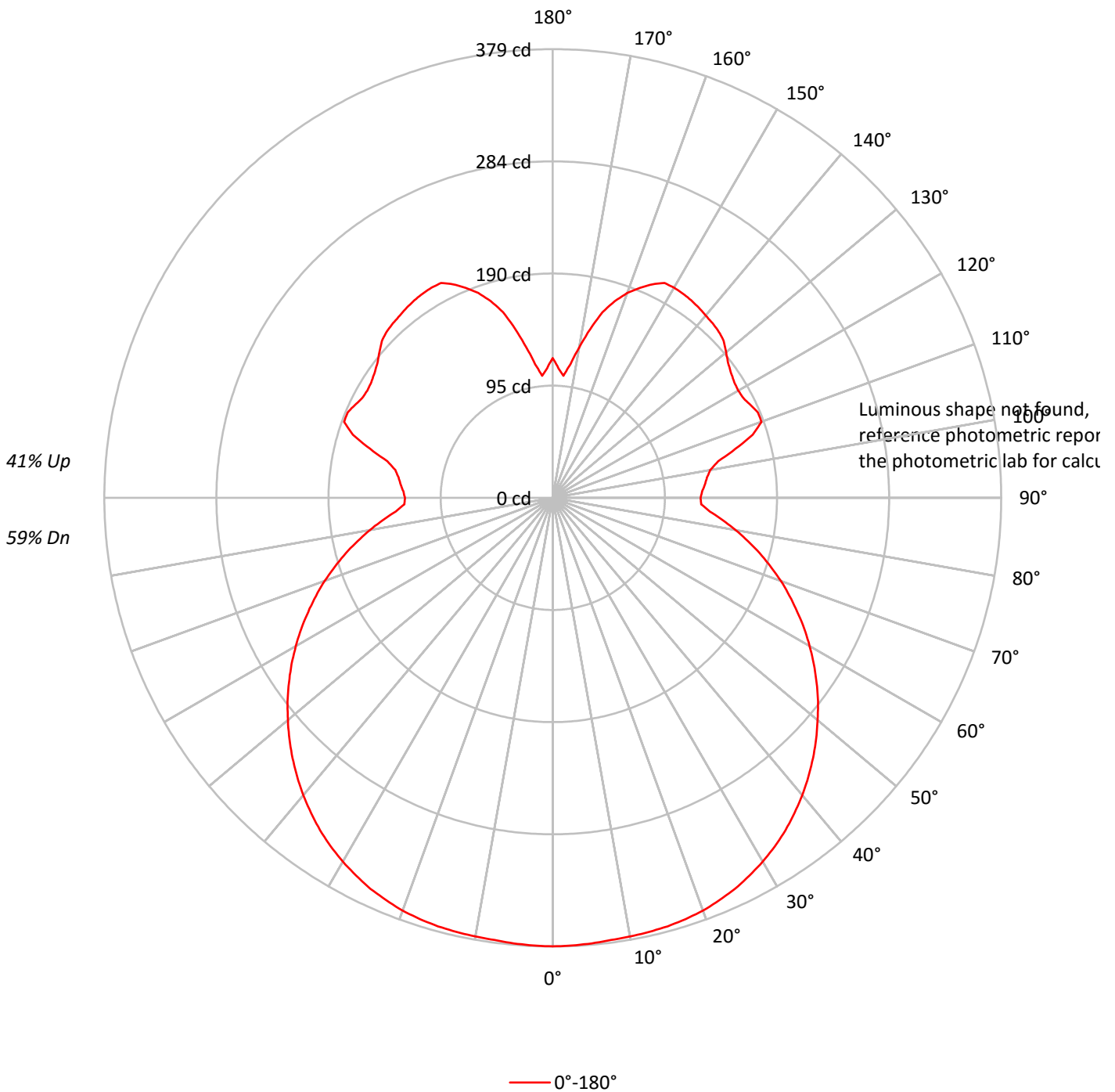
Summary

Lumens per Lamp: 3600 (1 lamp)
Luminaire Lumens: 2663.4 lumens
Efficiency: 74.0%
Efficacy: -
Spacing Criteria (0/90/45): 1.39 / 1.39 / 1.53
Luminous Opening: (L: 0 ' x W: -1.1 ' x H: 0.35 '
CIE Type: General Diffuse

Input Watts (W): 0
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

TEST NUMBER: 20070A
CATALOG NUMBER: 273-14-CF2/26

Luminous Intensity Polar Plot





TEST NUMBER: 20070A
 CATALOG NUMBER: 273-14-CF2/26

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	81	81	81	81	75	75	75	75	65	65	65	56	56	56	48	48	48	44
1	72	68	64	61	67	63	60	57	55	52	50	47	45	43	39	38	36	33
2	65	58	53	48	60	54	49	45	47	43	40	40	37	34	33	31	29	26
3	59	51	44	39	54	47	41	37	41	36	33	35	31	28	29	26	24	21
4	53	44	38	33	49	41	35	31	36	31	27	30	27	24	25	23	20	18
5	49	39	33	28	45	37	31	26	32	27	23	27	23	20	23	20	17	15
6	45	35	28	24	41	33	27	22	28	24	20	24	20	17	20	17	15	13
7	41	32	25	21	38	29	24	20	26	21	17	22	18	15	19	15	13	11
8	38	29	22	18	36	27	21	17	23	19	15	20	16	13	17	14	12	10
9	36	26	20	16	33	24	19	15	21	17	14	18	15	12	16	13	10	9
10	33	24	18	14	31	22	17	14	20	15	12	17	13	11	15	12	9	8

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: 20070A
 CATALOG NUMBER: 273-14-CF2/26

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	36.0	1.4	1.0
10°-20°	106.0	4.0	2.9
20°-30°	168.2	6.3	4.7
30°-40°	214.7	8.1	6.0
40°-50°	240.2	9.0	6.7
50°-60°	243.6	9.1	6.8
60°-70°	226.1	8.5	6.3
70°-80°	191.3	7.2	5.3
80°-90°	148.5	5.6	4.1
90°-100°	141.0	5.3	3.9
100°-110°	169.4	6.4	4.7
110°-120°	183.4	6.9	5.1
120°-130°	165.6	6.2	4.6
130°-140°	152.9	5.7	4.2
140°-150°	127.8	4.8	3.5
150°-160°	91.7	3.4	2.5
160°-170°	46.1	1.7	1.3
170°-180°	10.9	0.4	0.3
0°-30°	310.2	11.6	8.6
0°-40°	524.9	19.7	14.6
0°-60°	1008.7	37.9	28.0
0°-90°	1574.6	59.1	43.7
90°-120°	493.8	18.5	13.7
90°-150°	940.0	35.3	26.1
90°-180°	1089.0	40.9	30.3
0°-180°	2663.4	100.0	74.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	379	
5°	378	36
15°	375	106
25°	364	168
35°	343	215
45°	311	240
55°	272	244
65°	228	226
75°	181	191
85°	133	114
90°	125	69
95°	129	107
105°	160	169
115°	185	183
125°	184	166
135°	198	153
145°	204	128
155°	199	92
165°	162	46
175°	103	11
180°	118	

TEST NUMBER: 20070A
CATALOG NUMBER: 273-14-CF2/26

CANDELA DISTRIBUTION (FULL):

0°	
0°	378.9
2.5°	378.6
5°	377.8
7.5°	376.8
10°	376.3
12.5°	375.6
15°	374.8
17.5°	373.1
20°	371.1
22.5°	367.9
25°	364.5
27.5°	359.8
30°	354.9
32.5°	349.2
35°	342.9
37.5°	335.5
40°	328.0
42.5°	319.7
45°	311.0
47.5°	301.9
50°	292.2
52.5°	282.5
55°	272.2
57.5°	261.7
60°	250.7
62.5°	239.7
65°	228.1
67.5°	216.6
70°	205.1
72.5°	192.9
75°	181.1
77.5°	168.9
80°	157.0
82.5°	144.8
85°	133.3
87.5°	125.5
90°	124.9
92.5°	126.4
95°	129.0
97.5°	131.4
100°	135.1
102.5°	143.1
105°	159.9
107.5°	177.1
110°	187.7



TEST NUMBER: 20070A
CATALOG NUMBER: 273-14-CF2/26

CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.8
115°	184.8
117.5°	181.8
120°	181.0
122.5°	181.8
125°	183.9
127.5°	186.8
130°	191.2
132.5°	196.0
135°	198.4
137.5°	199.9
140°	201.0
142.5°	202.6
145°	203.7
147.5°	204.6
150°	204.9
152.5°	204.6
155°	199.0
157.5°	192.0
160°	184.1
162.5°	174.1
165°	162.4
167.5°	145.9
170°	129.0
172.5°	113.7
175°	103.4
177.5°	109.6
180°	118.0

(END OF REPORT)