

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: 19366A

Luminaire Tested: **208-CF1/32**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 19366A
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 208-CF1/32
Description: INTERIOR CEILING MOUNT LUMINAIRE WITH WHITE ACRYLIC LENS AND FROSTED
ACRYLIC CONE OPTION
Light Source: ONE32 WATT CPFL LAMP. LUMEN RATING = 2400 LMS.

Ballast/Driver: -

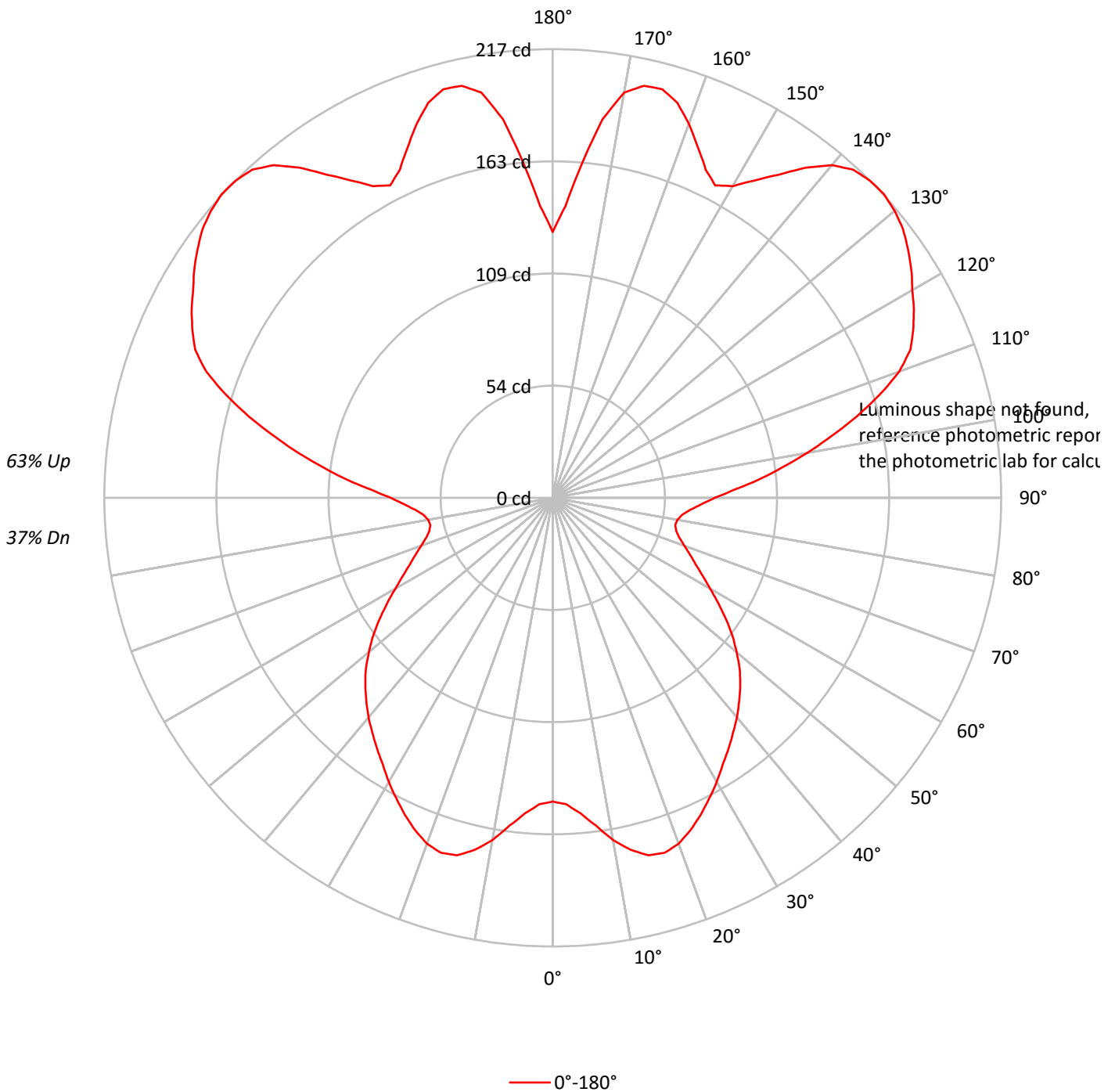
Summary

Lumens per Lamp: 2400 (1 lamp)
Luminaire Lumens: 1734.3 lumens
Efficiency: 72.3%
Efficacy: -
Spacing Criteria (0/90/45): 1.51 / 1.51 / 1.56
Luminous Opening: (L: 0 ' x W: -0.33 ' x H: 0.25 '
CIE Type: Semi-Indirect

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

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Luminous Intensity Polar Plot



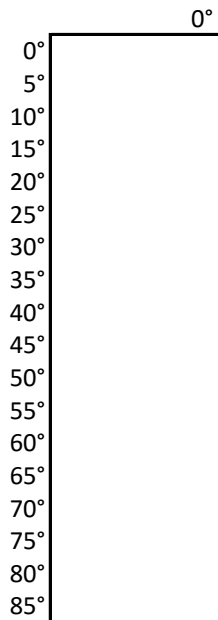


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	75	75	75	75	68	68	68	68	55	55	55		43	43	43		32	32	32	27
1	67	64	61	58	61	58	55	52	46	44	43		36	35	33		26	25	25	20
2	61	55	50	46	55	50	46	42	40	37	35		31	29	27		23	21	20	16
3	55	48	43	38	50	44	39	35	35	32	29		27	25	23		20	18	17	13
4	51	42	37	32	45	39	33	29	31	27	24		24	21	19		18	16	14	11
5	46	38	32	27	42	34	29	25	28	24	21		22	19	16		16	14	12	10
6	43	34	28	23	38	31	25	22	25	21	18		19	16	14		14	12	11	8
7	39	30	24	20	35	28	22	19	22	18	16		18	15	12		13	11	9	7
8	36	27	22	18	33	25	20	16	20	16	14		16	13	11		12	10	8	7
9	34	25	19	16	30	23	18	15	19	15	12		15	12	10		11	9	8	6
10	31	23	18	14	28	21	16	13	17	13	11		13	11	9		10	8	7	5

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	15.1	0.9	0.6
10°-20°	50.2	2.9	2.1
20°-30°	77.9	4.5	3.2
30°-40°	92.9	5.4	3.9
40°-50°	98.9	5.7	4.1
50°-60°	91.5	5.3	3.8
60°-70°	76.2	4.4	3.2
70°-80°	66.4	3.8	2.8
80°-90°	74.0	4.3	3.1
90°-100°	109.3	6.3	4.6
100°-110°	160.6	9.3	6.7
110°-120°	190.0	11.0	7.9
120°-130°	187.7	10.8	7.8
130°-140°	167.0	9.6	7.0
140°-150°	120.8	7.0	5.0
150°-160°	82.1	4.7	3.4
160°-170°	56.9	3.3	2.4
170°-180°	16.7	1.0	0.7
0°-30°	143.2	8.3	6.0
0°-40°	236.1	13.6	9.8
0°-60°	426.5	24.6	17.8
0°-90°	643.1	37.1	26.8
90°-120°	459.9	26.5	19.2
90°-150°	935.4	53.9	39.0
90°-180°	1091.0	62.9	45.5
0°-180°	1734.3	100.0	72.3

CANDELA DISTRIBUTION:

	0°	Flux
0°	147	
5°	153	15
15°	179	50
25°	169	78
35°	148	93
45°	128	99
55°	102	91
65°	76	76
75°	62	66
85°	67	53
90°	78	43
95°	100	87
105°	152	161
115°	192	190
125°	210	188
135°	217	167
145°	191	121
155°	175	82
165°	205	57
175°	162	17
180°	129	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	146.9
2.5°	148.3
5°	153.1
7.5°	159.9
10°	168.0
12.5°	174.4
15°	179.0
17.5°	180.0
20°	178.0
22.5°	174.0
25°	169.2
27.5°	163.9
30°	158.7
32.5°	153.0
35°	148.2
37.5°	143.3
40°	138.7
42.5°	133.5
45°	128.3
47.5°	122.7
50°	116.1
52.5°	109.6
55°	102.3
57.5°	95.0
60°	87.9
62.5°	81.7
65°	76.3
67.5°	71.8
70°	67.7
72.5°	64.2
75°	61.8
77.5°	60.7
80°	61.2
82.5°	63.1
85°	66.7
87.5°	71.8
90°	78.3
92.5°	87.7
95°	99.8
97.5°	111.9
100°	124.9
102.5°	138.2
105°	152.3
107.5°	165.8
110°	178.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.3
115°	192.4
117.5°	197.0
120°	200.9
122.5°	205.7
125°	209.8
127.5°	213.6
130°	215.9
132.5°	217.3
135°	217.0
137.5°	215.2
140°	210.0
142.5°	201.2
145°	190.8
147.5°	182.0
150°	174.1
152.5°	170.3
155°	175.1
157.5°	183.5
160°	192.5
162.5°	200.3
165°	204.6
167.5°	204.1
170°	199.0
172.5°	184.6
175°	162.2
177.5°	141.2
180°	128.6

(END OF REPORT)