

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: 767200

Luminaire Tested: **CTTCP26A120**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: 767200
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: CTTCP26A120
Description: FAIL-SAFE
Light Source: (1) PHILIPS PL-T/26W/30/4P 1800 LUMENS
TOTAL INPUT WATTS: 24.0 AT 120 VOLTS
Ballast/Driver: (1) ACCULYTE CAT.# 1LPLT120M32C-B-LT

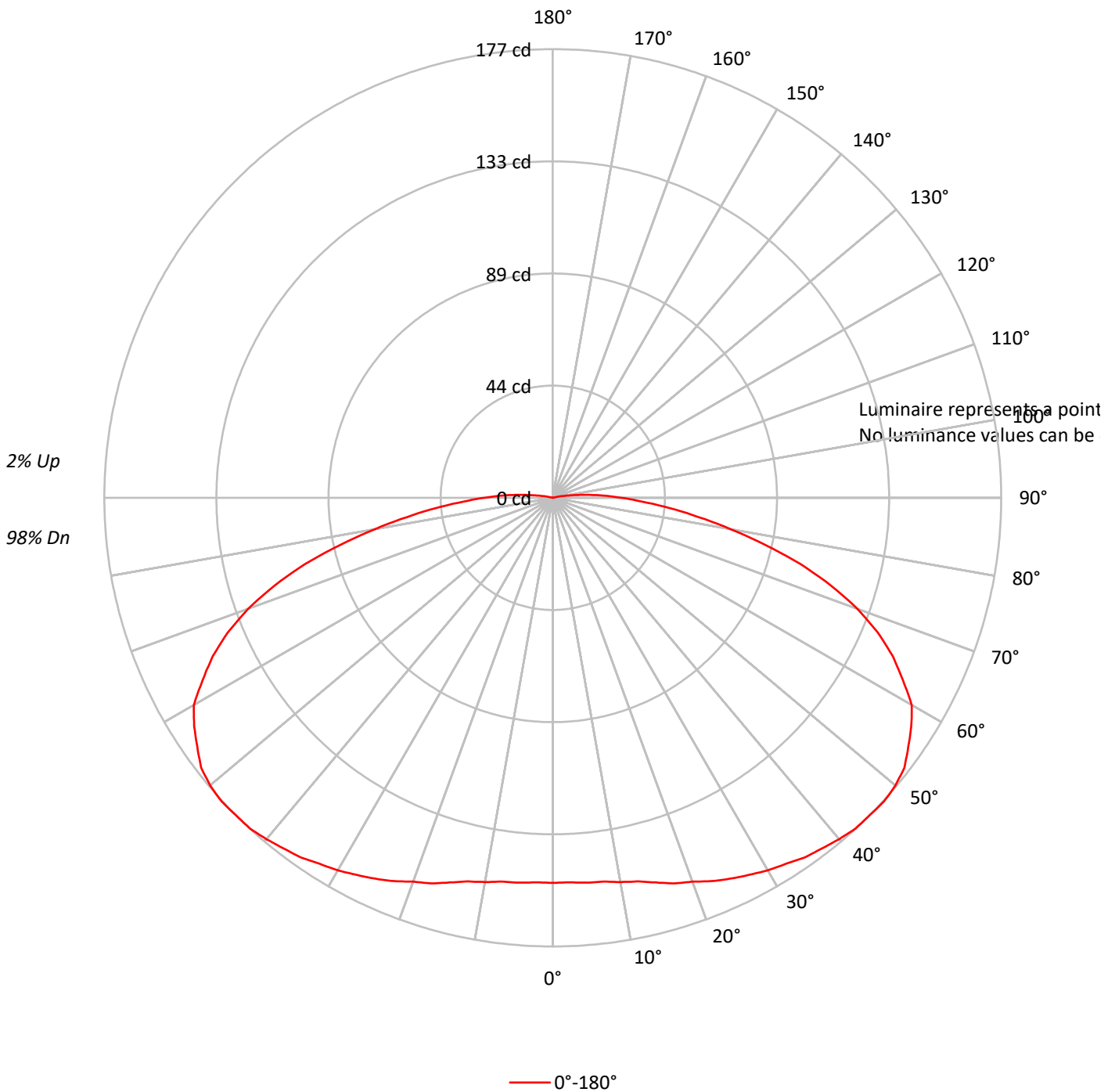
Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 854.6 lumens
Efficiency: 47.5%
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 1.73 / 1.73 / 1.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 26
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	56	56	56	56	55	55	55	55	52	52	52	50	50	50	48	48	48	47
1	50	47	44	42	48	46	43	41	43	41	40	41	40	38	39	38	37	36
2	44	40	36	32	43	39	35	32	37	33	31	35	32	30	33	31	29	28
3	40	34	29	26	38	33	29	25	31	28	25	30	27	24	28	26	23	22
4	36	29	24	21	35	29	24	21	27	23	20	26	23	20	25	22	19	18
5	33	26	21	17	32	25	21	17	24	20	17	23	19	17	22	19	16	15
6	30	23	18	15	29	22	18	15	21	17	14	20	17	14	20	16	14	13
7	28	20	16	13	27	20	16	13	19	15	12	18	15	12	18	14	12	11
8	26	19	14	11	25	18	14	11	17	14	11	17	13	11	16	13	11	10
9	24	17	13	10	23	17	12	10	16	12	10	15	12	9	15	12	9	8
10	22	15	11	9	22	15	11	9	15	11	9	14	11	8	14	11	8	7

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp	0°	Flux	
0°-10°	14.6	1.7	0.8	0°	152	
10°-20°	44.7	5.2	2.5	5°	152	15
20°-30°	76.8	9.0	4.3	15°	157	45
30°-40°	108.7	12.7	6.0	25°	166	77
40°-50°	137.0	16.0	7.6	35°	173	109
50°-60°	153.3	17.9	8.5	45°	177	137
60°-70°	145.8	17.1	8.1	55°	171	153
70°-80°	106.1	12.4	5.9	65°	148	146
80°-90°	51.4	6.0	2.9	75°	101	106
90°-100°	15.5	1.8	0.9	85°	46	43
100°-110°	0.9	0.1	0.0	90°	27	15
110°-120°	0.0	0.0	0.0	95°	13	9
120°-130°	0.0	0.0	0.0	105°	0	1
130°-140°	0.0	0.0	0.0	115°	0	0
140°-150°	0.0	0.0	0.0	125°	0	0
150°-160°	0.0	0.0	0.0	135°	0	0
160°-170°	0.0	0.0	0.0	145°	0	0
170°-180°	0.0	0.0	0.0	155°	0	0
0°-30°	136.1	15.9	7.6	165°	0	0
0°-40°	244.7	28.6	13.6	175°	0	0
0°-60°	535.0	62.6	29.7	180°	0	0
0°-90°	838.3	98.1	46.6			
90°-120°	16.3	1.9	0.9			
90°-150°	16.3	1.9	0.9			
90°-180°	16.0	1.9	0.9			
0°-180°	854.6	100.0	47.5			



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CANDELA DISTRIBUTION (FULL):

0°	
0°	151.9
2.5°	151.8
5°	152.4
7.5°	152.7
10°	153.9
12.5°	155.0
15°	157.1
17.5°	159.5
20°	161.1
22.5°	163.7
25°	165.8
27.5°	167.7
30°	169.7
32.5°	171.2
35°	173.2
37.5°	174.4
40°	175.8
42.5°	176.9
45°	177.0
47.5°	177.3
50°	176.5
52.5°	174.9
55°	171.3
57.5°	167.8
60°	163.6
62.5°	155.8
65°	148.1
67.5°	138.8
70°	127.9
72.5°	115.1
75°	101.3
77.5°	86.1
80°	71.2
82.5°	58.0
85°	46.3
87.5°	35.2
90°	27.1
92.5°	19.9
95°	13.3
97.5°	7.7
100°	4.2
102.5°	1.1
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)