

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: 258P102

Luminaire Tested: **H572ICAT-26TTT-5051PS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: 258P102  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H572ICAT-26TTT-5051PS  
Description: 5" RECESSED DOWNLIGHT, 26W CF, CONE WITH FROSTED GLASS LENS,  
WHITE SPLAY  
Light Source: ONE - PHILIPS - CF26DT/E/IN830 - 1800 LUMENS - 26 WATTS  
Ballast/Driver: MICROSTAR CBT126L-120B

**Summary**

Lumens per Lamp: 1800 (1 lamp)  
Luminaire Lumens: 621.0 lumens  
Efficiency: 34.5%  
Efficacy: 28.2 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.18  
Luminous Opening: Circular (Dia: 0.4' x H: 0')  
CIE Type: Direct

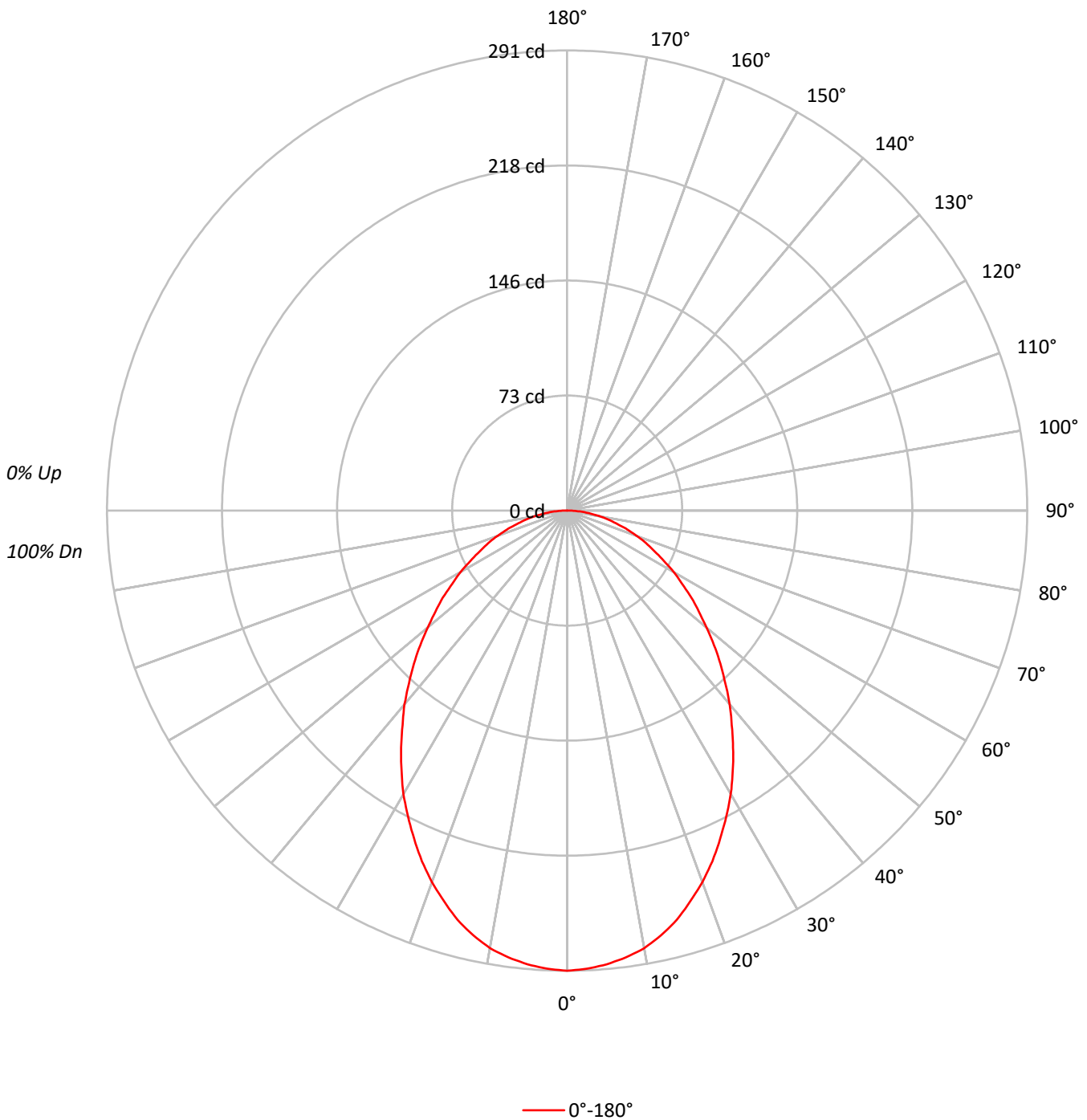
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	41	41	41	41	40	40	40	40	38	38	38	37	37	37	35	35	35	35
1	38	36	35	34	37	35	34	33	34	33	32	33	32	31	31	31	30	29
2	35	32	30	28	34	31	29	28	30	28	27	29	28	26	28	27	26	25
3	32	28	26	24	31	28	25	23	27	25	23	26	24	23	25	23	22	21
4	29	25	22	20	28	25	22	20	24	22	20	23	21	20	22	21	19	19
5	27	23	20	18	26	22	20	18	22	19	17	21	19	17	20	19	17	16
6	25	21	18	16	24	20	18	16	20	17	15	19	17	15	19	17	15	14
7	23	19	16	14	23	19	16	14	18	16	14	18	15	14	17	15	14	13
8	22	17	15	13	21	17	14	13	17	14	12	16	14	12	16	14	12	12
9	20	16	13	11	20	16	13	11	15	13	11	15	13	11	15	13	11	11
10	19	15	12	10	19	15	12	10	14	12	10	14	12	10	14	12	10	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	25454
5°	25287
10°	24958
15°	24269
20°	23271
25°	22101
30°	20907
35°	19541
40°	18269
45°	16947
50°	15649
55°	14640
60°	13645
65°	12625
70°	12020
75°	11153
80°	10578
85°	10036



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	27.3	4.4	1.5
10°-20°	75.2	12.1	4.2
20°-30°	105.4	17.0	5.9
30°-40°	114.5	18.4	6.4
40°-50°	105.7	17.0	5.9
50°-60°	85.7	13.8	4.8
60°-70°	61.0	9.8	3.4
70°-80°	35.3	5.7	2.0
80°-90°	11.0	1.8	0.6
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	207.8	33.5	11.5
0°-40°	322.3	51.9	17.9
0°-60°	513.7	82.7	28.5
0°-90°	621.0	100.0	34.5
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	621.0	100.0	34.5

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	291	
5°	288	27
15°	268	75
25°	229	105
35°	183	114
45°	137	106
55°	96	86
65°	61	61
75°	33	35
85°	10	10
90°	0	1
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	291
2.5°	290
5°	288
7.5°	285
10°	281
12.5°	275
15°	268
17.5°	259
20°	250
22.5°	240
25°	229
27.5°	218
30°	207
32.5°	195
35°	183
37.5°	171
40°	160
42.5°	148
45°	137
47.5°	126
50°	115
52.5°	105
55°	96
57.5°	86
60°	78
62.5°	69
65°	61
67.5°	54
70°	47
72.5°	40
75°	33
77.5°	27
80°	21
82.5°	15
85°	10
87.5°	5
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)