

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: 267p120

Luminaire Tested: **H272ICAT-26TTT-370W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: 267p120  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H272ICAT-26TTT-370W  
Description: HALO 6" RECESSED ROUND DOWNLIGHT, 26CF REGRESSED ALABALITE LENS, WHITE BAFFLE  
Light Source: ONE - CF26DT/E/830 - 1800 LUMENS - 26 WATTS  
Ballast/Driver: QTP 2X26CF/UNV

**Summary**

Lumens per Lamp: 1800 (1 lamp)  
Luminaire Lumens: 651.8 lumens  
Efficiency: 36.2%  
Efficacy: 27.2 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.24  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

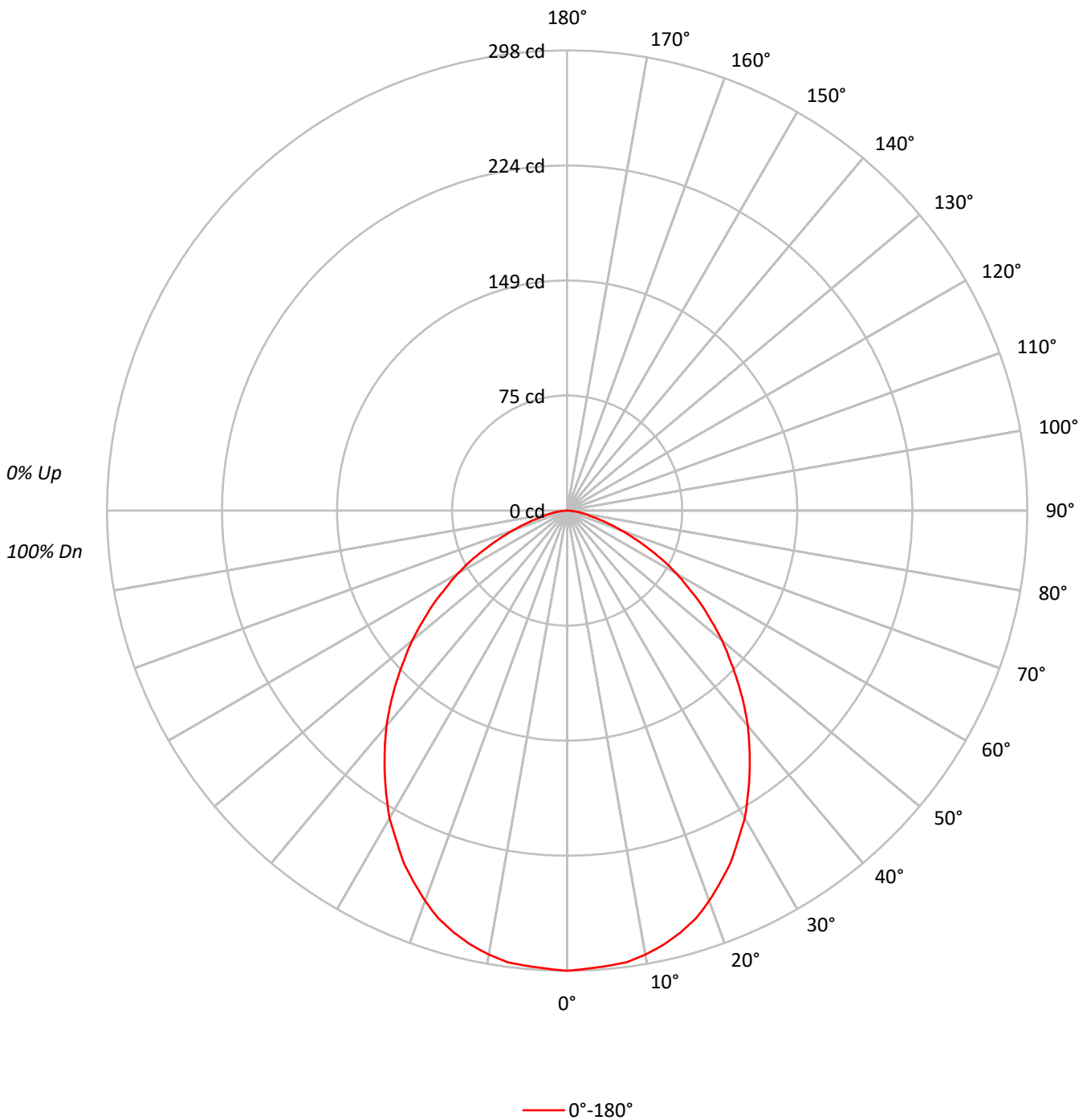
Input Watts (W): 24  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	43	43	43	43	42	42	42	42	40	40	40	39	39	39	37	37	37	36
1	40	38	37	36	39	38	36	35	36	35	34	35	34	33	33	33	32	31
2	37	34	32	30	36	33	31	30	32	30	29	31	30	28	30	29	28	27
3	34	30	28	26	33	30	27	25	29	27	25	28	26	24	27	25	24	23
4	31	27	24	22	30	27	24	22	26	23	22	25	23	21	24	22	21	20
5	29	24	21	19	28	24	21	19	23	21	19	23	20	19	22	20	19	18
6	27	22	19	17	26	22	19	17	21	19	17	21	18	17	20	18	17	16
7	25	20	17	15	24	20	17	15	19	17	15	19	17	15	18	16	15	14
8	23	19	16	14	23	18	16	14	18	15	14	17	15	13	17	15	13	13
9	22	17	14	12	21	17	14	12	16	14	12	16	14	12	16	14	12	12
10	20	16	13	11	20	16	13	11	15	13	11	15	13	11	15	13	11	11

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

	0°
0°	19442
5°	19385
10°	19344
15°	19114
20°	18676
25°	18068
30°	17327
35°	16407
40°	15500
45°	14393
50°	13296
55°	12057
60°	10699
65°	8954
70°	7058
75°	5041
80°	3757
85°	2994



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	28.2	4.3	1.6
10°-20°	79.6	12.2	4.4
20°-30°	115.2	17.7	6.4
30°-40°	128.8	19.8	7.2
40°-50°	120.4	18.5	6.7
50°-60°	94.6	14.5	5.3
60°-70°	57.9	8.9	3.2
70°-80°	22.5	3.5	1.3
80°-90°	4.6	0.7	0.3
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°	223.0	34.2	12.4
0°-40°	351.9	54.0	19.5
0°-60°	566.8	87.0	31.5
0°-90°	651.8	100.0	36.2
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°	651.8	100.0	36.2

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	298	
5°	296	28
15°	283	80
25°	251	115
35°	206	129
45°	156	120
55°	106	95
65°	58	58
75°	20	23
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	298
2.5°	297
5°	296
7.5°	295
10°	292
12.5°	288
15°	283
17.5°	277
20°	269
22.5°	260
25°	251
27.5°	240
30°	230
32.5°	218
35°	206
37.5°	194
40°	182
42.5°	169
45°	156
47.5°	143
50°	131
52.5°	118
55°	106
57.5°	93
60°	82
62.5°	70
65°	58
67.5°	47
70°	37
72.5°	28
75°	20
77.5°	14
80°	10
82.5°	7
85°	4
87.5°	1
90°	0

(END OF REPORT)