

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: 258P101

Luminaire Tested: **H572ICAT-26TTT-5054PS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: 258P101  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H572ICAT-26TTT-5054PS  
Description: 5" RECESSED DOWNLIGHT, 26W CF, CONE WITH DROP GLASS FROSTED  
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: 963.5 lumens  
Efficiency: 53.5%  
Efficacy: 40.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.37  
Luminous Opening: Vertical Cylinder (Dia: 0.34' x H: 0.17')  
CIE Type: Direct

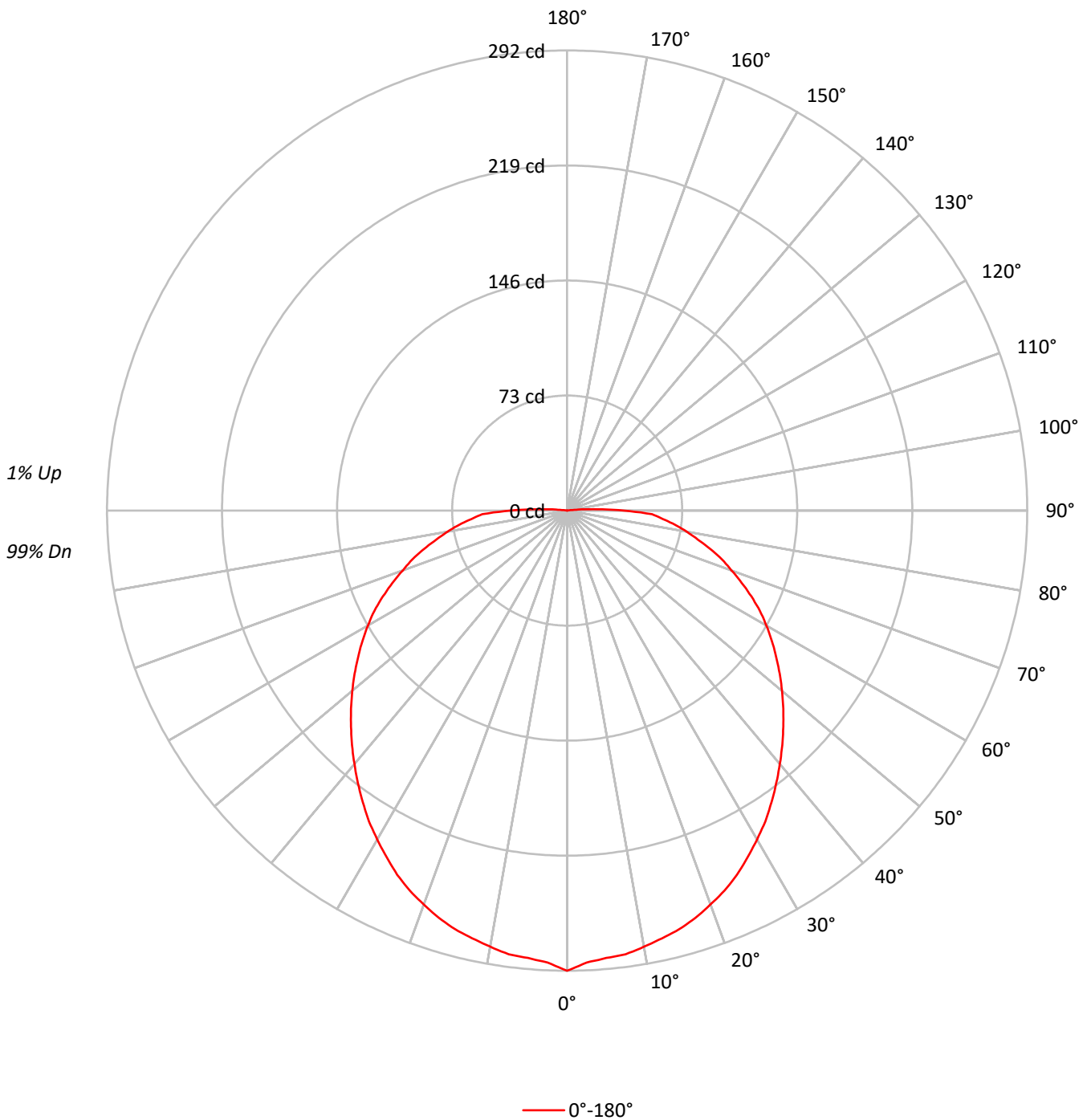
Input Watts (W): 24  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	64	64	64	64	62	62	62	62	59	59	59	56	56	56	54	54	54	53
1	57	53	51	48	55	52	50	47	50	48	46	47	46	44	45	44	43	41
2	51	46	42	38	49	45	41	38	43	39	37	41	38	36	39	37	35	33
3	46	40	35	31	45	39	34	31	37	33	30	36	32	29	34	31	29	28
4	42	35	30	26	41	34	30	26	33	29	25	31	28	25	30	27	25	23
5	39	31	26	22	37	31	26	22	29	25	22	28	24	21	27	24	21	20
6	36	28	23	19	35	28	23	19	26	22	19	25	22	19	25	21	18	17
7	33	25	20	17	32	25	20	17	24	20	17	23	19	17	22	19	16	15
8	31	23	18	15	30	23	18	15	22	18	15	21	17	15	21	17	15	14
9	29	21	17	14	28	21	16	14	20	16	13	20	16	13	19	16	13	12
10	27	20	15	12	26	19	15	12	19	15	12	18	15	12	18	14	12	11

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

	0°
0°	33867
5°	31481
10°	29845
15°	28334
20°	26808
25°	25339
30°	23795
35°	22342
40°	20945
45°	19675
50°	18504
55°	17409
60°	16367
65°	15234
70°	13961
75°	12750
80°	11426
85°	10076



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	27.1	2.8	1.5
10°-20°	77.6	8.1	4.3
20°-30°	117.4	12.2	6.5
30°-40°	141.5	14.7	7.9
40°-50°	149.9	15.6	8.3
50°-60°	145.1	15.1	8.1
60°-70°	127.7	13.3	7.1
70°-80°	99.3	10.3	5.5
80°-90°	65.6	6.8	3.6
90°-100°	12.3	1.3	0.7
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°	222.1	23.1	12.3
0°-40°	363.6	37.7	20.2
0°-60°	658.6	68.4	36.6
0°-90°	951.1	98.7	52.8
90°-120°	12.3	1.3	0.7
90°-150°	12.3	1.3	0.7
90°-180°	12.0	1.2	0.7
0°-180°	963.5	100.0	53.5

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	292	
5°	285	27
15°	275	78
25°	255	117
35°	226	142
45°	194	150
55°	162	145
65°	129	128
75°	94	99
85°	61	53
90°	36	20
95°	7	5
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°	292
2.5°	287
5°	285
7.5°	284
10°	281
12.5°	278
15°	275
17.5°	271
20°	266
22.5°	261
25°	255
27.5°	248
30°	241
32.5°	234
35°	226
37.5°	218
40°	210
42.5°	202
45°	194
47.5°	186
50°	178
52.5°	170
55°	162
57.5°	154
60°	146
62.5°	138
65°	129
67.5°	120
70°	111
72.5°	103
75°	94
77.5°	85
80°	77
82.5°	69
85°	61
87.5°	54
90°	36
92.5°	19
95°	7
97.5°	1
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)