

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: 258P100

Luminaire Tested: **H572RICAT-26TTT-ERT513WHT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: 258P100  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H572RICAT-26TTT-ERT513WHT  
Description: 5" OPEN RECESSED DOWNLIGHT, 26W CF, HIGH GLOSS APP. WHITE  
TRIM RING AND BAFFLE  
Light Source: ONE - PHILIPS - CF26DT/E/IN830 - 1800 LUMENS - 26 WATTS  
Ballast/Driver: MICROSTAR CBT126L-120B

**Summary**

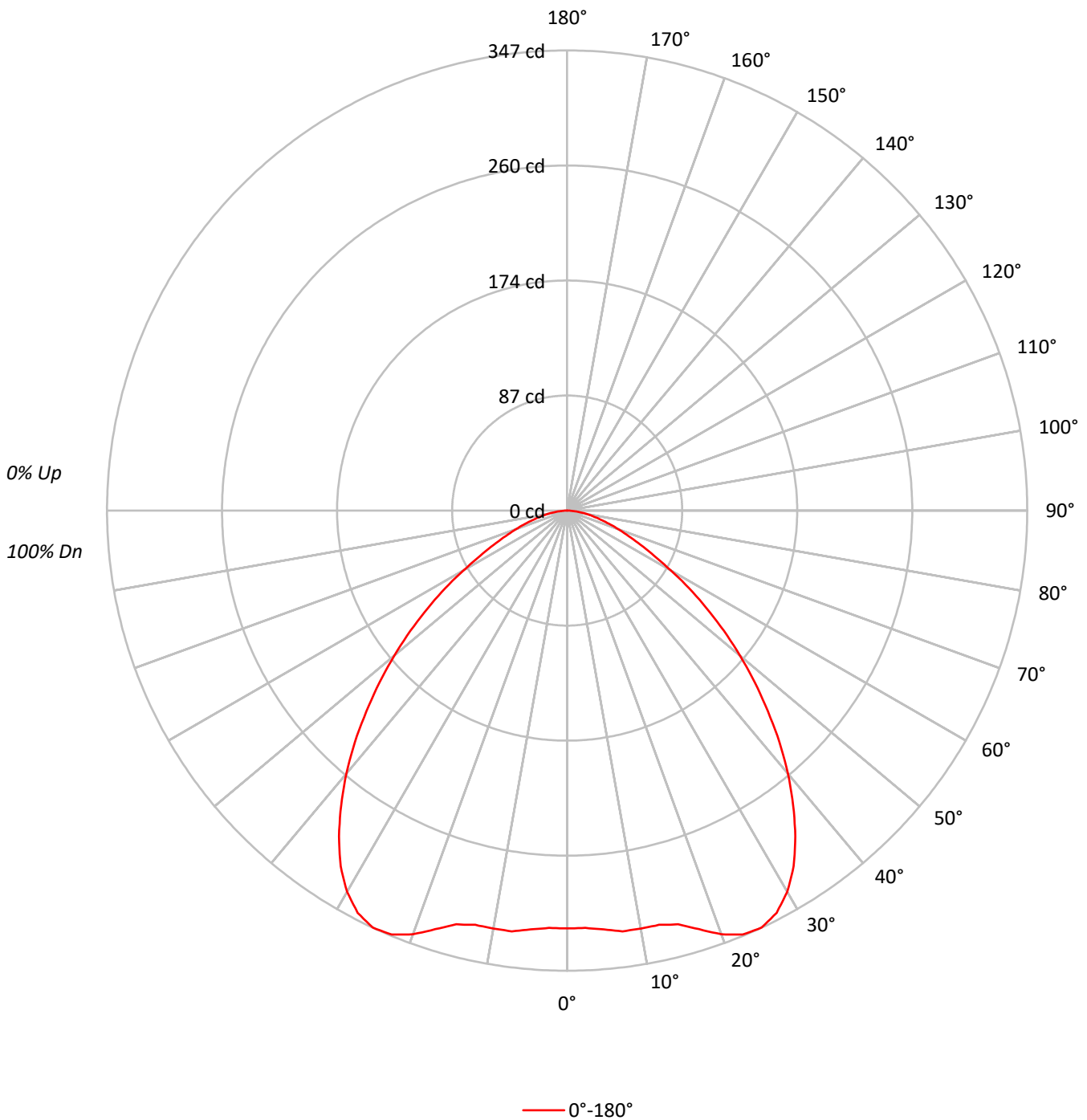
Lumens per Lamp: 1800 (1 lamp)  
Luminaire Lumens: 845.3 lumens  
Efficiency: 47.0%  
Efficacy: 36.8 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 1.44 / 1.39  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

Input Watts (W): 23  
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	56	56	56	56	55	55	55	55	52	52	52	50	50	50	48	48	48	47
1	52	50	48	47	51	49	47	46	47	46	44	45	44	43	43	43	42	41
2	48	44	42	39	47	43	41	39	42	40	38	40	39	37	39	37	36	35
3	44	39	36	33	43	39	36	33	37	35	32	36	34	32	35	33	31	30
4	40	35	32	29	39	35	31	29	34	31	28	33	30	28	32	29	27	27
5	37	32	28	25	36	31	28	25	30	27	25	29	27	24	29	26	24	23
6	35	29	25	22	34	28	25	22	28	24	22	27	24	22	26	24	21	21
7	32	26	22	20	31	26	22	20	25	22	19	25	22	19	24	21	19	18
8	30	24	20	18	29	24	20	18	23	20	17	23	20	17	22	19	17	16
9	28	22	18	16	27	22	18	16	21	18	16	21	18	16	20	18	16	15
10	26	20	17	14	26	20	17	14	20	17	14	19	16	14	19	16	14	13

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

	0°
0°	22555
5°	22784
10°	23266
15°	23943
20°	25907
25°	27414
30°	27449
35°	26223
40°	24209
45°	21670
50°	18937
55°	15979
60°	12888
65°	10335
70°	8583
75°	7193
80°	6185
85°	4929



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	30.4	3.6	1.7
10°-20°	92.7	11.0	5.2
20°-30°	158.5	18.8	8.8
30°-40°	186.5	22.1	10.4
40°-50°	165.1	19.5	9.2
50°-60°	115.0	13.6	6.4
60°-70°	61.9	7.3	3.4
70°-80°	28.2	3.3	1.6
80°-90°	6.9	0.8	0.4
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°	281.6	33.3	15.6
0°-40°	468.2	55.4	26.0
0°-60°	748.3	88.5	41.6
0°-90°	845.3	100.0	47.0
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°	845.3	100.0	47.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	315	
5°	317	30
15°	323	93
25°	347	159
35°	300	187
45°	214	165
55°	128	115
65°	61	62
75°	26	28
85°	6	7
90°	0	0
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°	315
2.5°	315
5°	317
7.5°	320
10°	320
12.5°	320
15°	323
17.5°	331
20°	340
22.5°	346
25°	347
27.5°	342
30°	332
32.5°	318
35°	300
37.5°	280
40°	259
42.5°	237
45°	214
47.5°	192
50°	170
52.5°	149
55°	128
57.5°	109
60°	90
62.5°	74
65°	61
67.5°	50
70°	41
72.5°	33
75°	26
77.5°	20
80°	15
82.5°	10
85°	6
87.5°	2
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)