

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: 258P103

Luminaire Tested: **H572RICAT-26TTT-5021SC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 258P103
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H572RICAT-26TTT-5021SC
Description: 5" OPEN RECESSED DOWNLIGHT, 26W CF, SPECULAR CONE WITH WHITE
SPRAY
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: 834.4 lumens
Efficiency: 46.4%
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.17
Luminous Opening: Circular (Dia: 0.38' x H: 0')
CIE Type: Direct

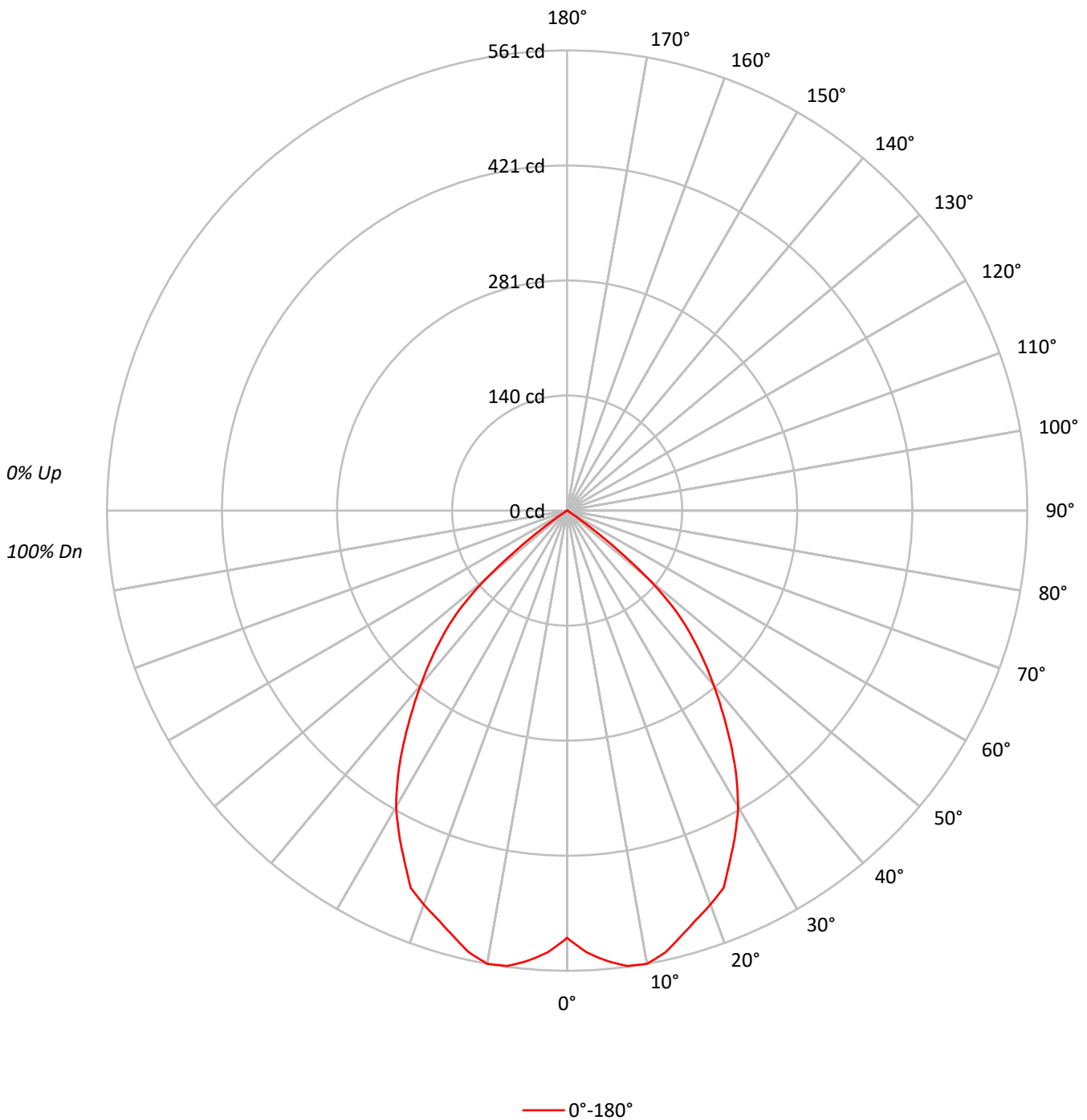
Input Watts (W): 23
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: 258P103

CATALOG NUMBER: H572RICAT-26TTT-5021SC

Luminous Intensity Polar Plot





TEST NUMBER: 258P103

CATALOG NUMBER: H572RICAT-26TTT-5021SC

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	55	55	55	55	54	54	54	54	52	52	52		49	49	49		47	47	47	46
1	52	51	49	48	51	50	49	48	48	47	46		46	45	45		45	44	43	43
2	49	47	44	43	48	46	44	42	44	43	41		43	41	40		41	40	39	39
3	46	43	40	38	45	42	40	38	41	39	37		40	38	36		38	37	36	35
4	43	39	36	34	42	39	36	34	38	35	33		37	35	33		36	34	32	32
5	41	36	33	31	40	36	33	30	35	32	30		34	32	30		33	31	30	29
6	38	33	30	28	37	33	30	28	32	29	27		31	29	27		31	29	27	26
7	36	31	27	25	35	30	27	25	30	27	25		29	27	25		29	26	25	24
8	34	28	25	23	33	28	25	23	28	25	23		27	25	23		27	24	23	22
9	32	26	23	21	31	26	23	21	26	23	21		25	23	21		25	23	21	20
10	30	25	22	20	29	24	22	20	24	21	19		24	21	19		23	21	19	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50776
5°	53905
10°	55517
15°	54181
20°	52997
25°	50541
30°	46927
35°	41403
40°	35368
45°	29357
50°	19559
55°	3568
60°	390
65°	231
70°	285
75°	377
80°	0
85°	0



TEST NUMBER: 258P103

CATALOG NUMBER: H572RICAT-26TTT-5021SC

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	52.9	6.3	2.9
10°-20°	151.5	18.2	8.4
20°-30°	215.7	25.9	12.0
30°-40°	216.8	26.0	12.0
40°-50°	160.8	19.3	8.9
50°-60°	34.9	4.2	1.9
60°-70°	1.1	0.1	0.1
70°-80°	0.7	0.1	0.0
80°-90°	0.0	0.0	0.0
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°	420.1	50.3	23.3
0°-40°	636.9	76.3	35.4
0°-60°	832.6	99.8	46.3
0°-90°	834.4	100.0	46.4
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°	834.4	100.0	46.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	521	
5°	551	53
15°	537	151
25°	470	216
35°	348	217
45°	213	161
55°	21	35
65°	1	1
75°	1	1
85°	0	0
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	



TEST NUMBER: 258P103

CATALOG NUMBER: H572RICAT-26TTT-5021SC

CANDELA DISTRIBUTION (FULL):

	0°
0°	521
2.5°	539
5°	551
7.5°	560
10°	561
12.5°	552
15°	537
17.5°	523
20°	511
22.5°	498
25°	470
27.5°	444
30°	417
32.5°	384
35°	348
37.5°	312
40°	278
42.5°	245
45°	213
47.5°	177
50°	129
52.5°	70
55°	21
57.5°	4
60°	2
62.5°	1
65°	1
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0



TEST NUMBER: 258P103

CATALOG NUMBER: H572RICAT-26TTT-5021SC

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)