

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: 267p121

Luminaire Tested: **H272ICAT-26DTT-470SC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 267p121
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H272ICAT-26DTT-470SC
Description: HALO 6" RECESSED ROUND DOWNLIGHT, 26CF SPECULAR CONE REFLECTOR
Light Source: ONE - CF26DD/E/841 - 1710 LUMENS - 26 WATTS
Ballast/Driver: QTP 2X26CF/UNV

Summary

Lumens per Lamp: 1710 (1 lamp)
Luminaire Lumens: 967.7 lumens
Efficiency: 56.6%
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.22
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

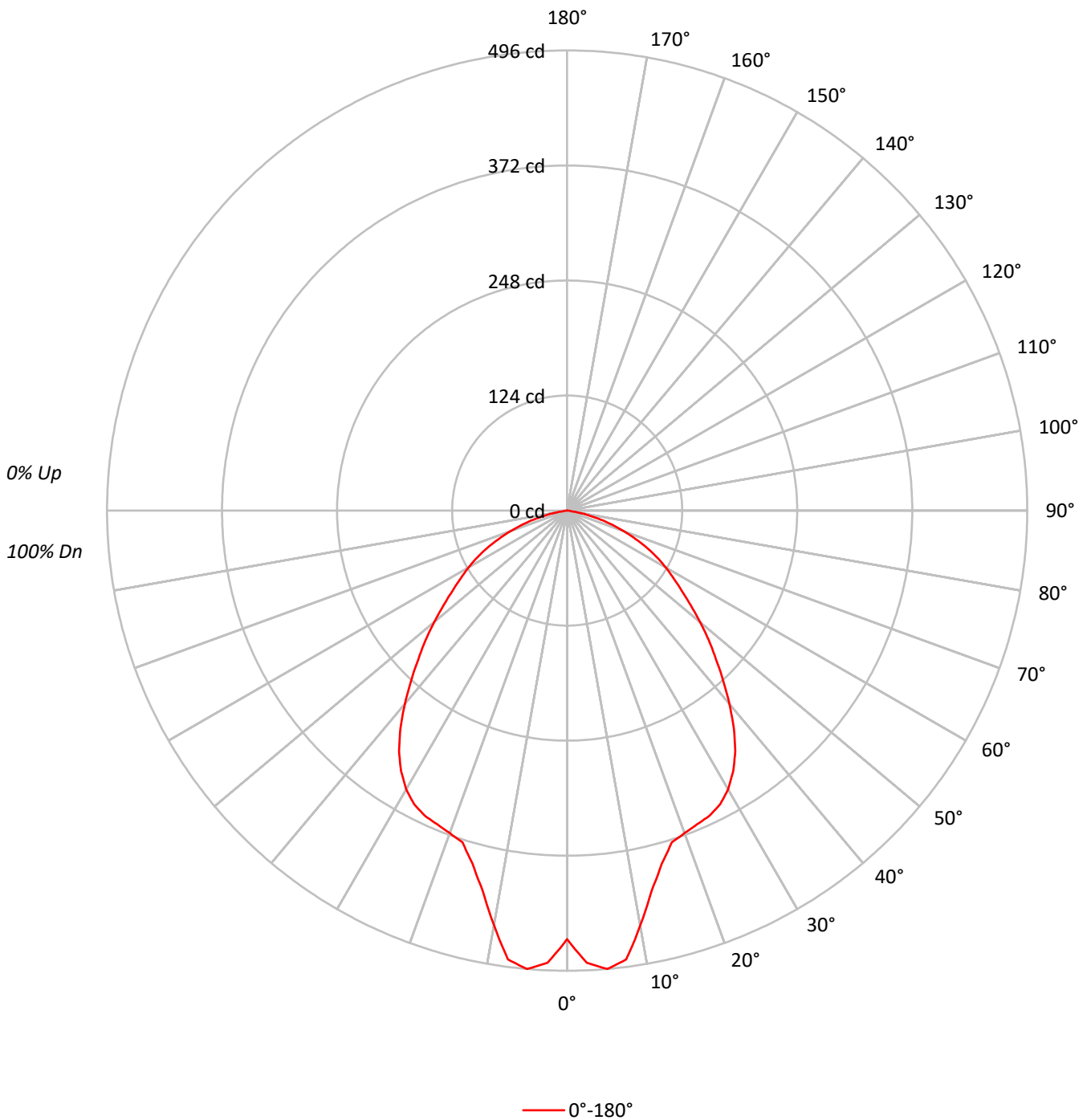
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	67	67	67	67	66	66	66	66	63	63	63		60	60	60		58	58	58	57
1	62	60	58	56	61	59	57	55	56	55	54		54	53	52		52	51	50	49
2	57	53	50	47	56	52	49	46	50	48	45		48	46	44		47	45	43	42
3	53	47	43	40	51	46	43	39	45	41	39		43	40	38		42	39	37	36
4	49	42	38	34	47	42	37	34	40	37	34		39	36	33		38	35	33	32
5	45	38	33	30	44	38	33	30	36	32	29		35	32	29		34	31	29	28
6	42	35	30	26	41	34	30	26	33	29	26		32	29	26		31	28	26	25
7	39	32	27	24	38	31	27	24	30	26	23		29	26	23		29	25	23	22
8	36	29	24	21	35	29	24	21	28	24	21		27	24	21		26	23	21	20
9	34	27	22	19	33	26	22	19	26	22	19		25	22	19		25	21	19	18
10	32	25	20	18	31	24	20	18	24	20	17		23	20	17		23	20	17	16

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33080
5°	35650
10°	33009
15°	29206
20°	28193
25°	28678
30°	28690
35°	27621
40°	25424
45°	22986
50°	20830
55°	18850
60°	17614
65°	16095
70°	13608
75°	10236
80°	4536
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	46.0	4.8	2.7
10°-20°	112.2	11.6	6.6
20°-30°	166.9	17.2	9.8
30°-40°	195.9	20.2	11.5
40°-50°	175.8	18.2	10.3
50°-60°	136.3	14.1	8.0
60°-70°	93.4	9.7	5.5
70°-80°	39.5	4.1	2.3
80°-90°	1.8	0.2	0.1
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°	325.1	33.6	19.0
0°-40°	521.0	53.8	30.5
0°-60°	833.0	86.1	48.7
0°-90°	967.7	100.0	56.6
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°	967.7	100.0	56.6

CANDELA DISTRIBUTION:

	0°	Flux
0°	462	
5°	496	46
15°	394	112
25°	363	167
35°	316	196
45°	227	176
55°	151	136
65°	95	93
75°	37	39
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	462
2.5°	488
5°	496
7.5°	488
10°	454
12.5°	420
15°	394
17.5°	375
20°	370
22.5°	366
25°	363
27.5°	357
30°	347
32.5°	333
35°	316
37.5°	295
40°	272
42.5°	249
45°	227
47.5°	207
50°	187
52.5°	168
55°	151
57.5°	136
60°	123
62.5°	109
65°	95
67.5°	80
70°	65
72.5°	51
75°	37
77.5°	24
80°	11
82.5°	1
85°	0
87.5°	0
90°	0

(END OF REPORT)