

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: 267p119

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 267p119
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H272ICAT-26TTT-470SC
Description: HALO 6" RECESSED ROUND DOWNLIGHT, 26CF SPECULAR CONE REFLECTOR
Light Source: ONE - CF26DT/E/830 - 1800 LUMENS - 26 WATTS
Ballast/Driver: QTP 2X26CF/UNV

Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 1313.2 lumens
Efficiency: 73.0%
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

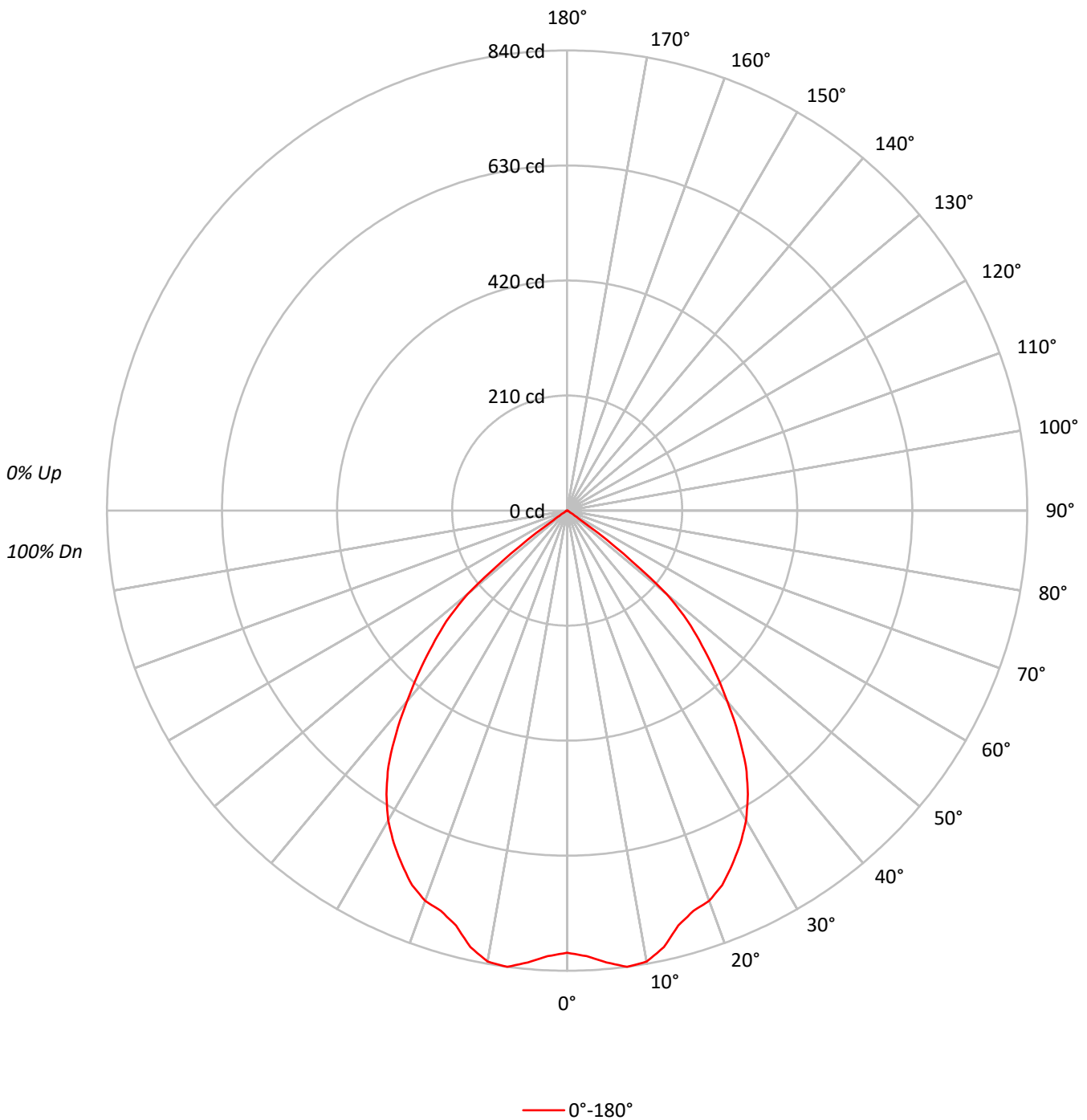
Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	87	87	87	87	85	85	85	85	81	81	81		78	78	78		74	74	74	73
1	82	80	78	76	80	78	76	75	75	74	72		73	71	70		70	69	68	67
2	77	73	70	67	75	72	69	66	69	67	65		67	65	63		65	63	62	60
3	72	67	63	59	71	66	62	59	64	60	58		62	59	57		60	58	56	55
4	68	61	56	53	66	60	56	52	59	55	52		57	54	51		56	53	51	49
5	63	56	51	47	62	55	51	47	54	50	47		53	49	46		52	48	46	45
6	59	52	47	43	58	51	46	43	50	46	42		49	45	42		48	44	42	41
7	56	48	43	39	55	47	42	39	46	42	39		45	41	38		44	41	38	37
8	52	44	39	35	51	44	39	35	43	38	35		42	38	35		41	38	35	34
9	49	41	36	33	48	41	36	32	40	35	32		39	35	32		38	35	32	31
10	46	38	33	30	46	38	33	30	37	33	30		37	33	30		36	32	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57783
5°	59513
10°	60783
15°	58116
20°	57757
25°	56330
30°	53989
35°	49736
40°	42529
45°	35239
50°	26400
55°	3745
60°	430
65°	339
70°	209
75°	277
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	79.4	6.0	4.4
10°-20°	222.9	17.0	12.4
20°-30°	327.6	24.9	18.2
30°-40°	350.9	26.7	19.5
40°-50°	267.5	20.4	14.9
50°-60°	62.3	4.7	3.5
60°-70°	1.7	0.1	0.1
70°-80°	0.9	0.1	0.1
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°	629.9	48.0	35.0
0°-40°	980.8	74.7	54.5
0°-60°	1310.6	99.8	72.8
0°-90°	1313.2	100.0	73.0
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°	1313.2	100.0	73.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	807	
5°	828	79
15°	784	223
25°	713	328
35°	569	351
45°	348	267
55°	30	62
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	807
2.5°	814
5°	828
7.5°	840
10°	836
12.5°	816
15°	784
17.5°	766
20°	758
22.5°	740
25°	713
27.5°	685
30°	653
32.5°	614
35°	569
37.5°	513
40°	455
42.5°	400
45°	348
47.5°	299
50°	237
52.5°	129
55°	30
57.5°	8
60°	3
62.5°	2
65°	2
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)