

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: P27424

Luminaire Tested: **5126BB-E5ICAT _ H5ICAT-29WA19**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P27424
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: 5126BB-E5ICAT _ H5ICAT-29WA19
Description: H5 5" RECESSED INCANDESCENT WITH CONE BLACK BAFFLE AND WHITE SELF-FLANGE RING
Light Source: (1) PHILIPS ECOVANTAGE MEDIUM BASE INCANDESCENT 29A19/EV
Ballast/Driver: (1) CHROMA AC POWER SUPPLY IN0061

Summary

Lumens per Lamp: 380 (1 lamp)
Luminaire Lumens: 69.7 lumens
Efficiency: 18.3%
Efficacy: 2.4 lumens/watt
Spacing Criteria (0/90/45): 1.82 / 1.82 / 1.67
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

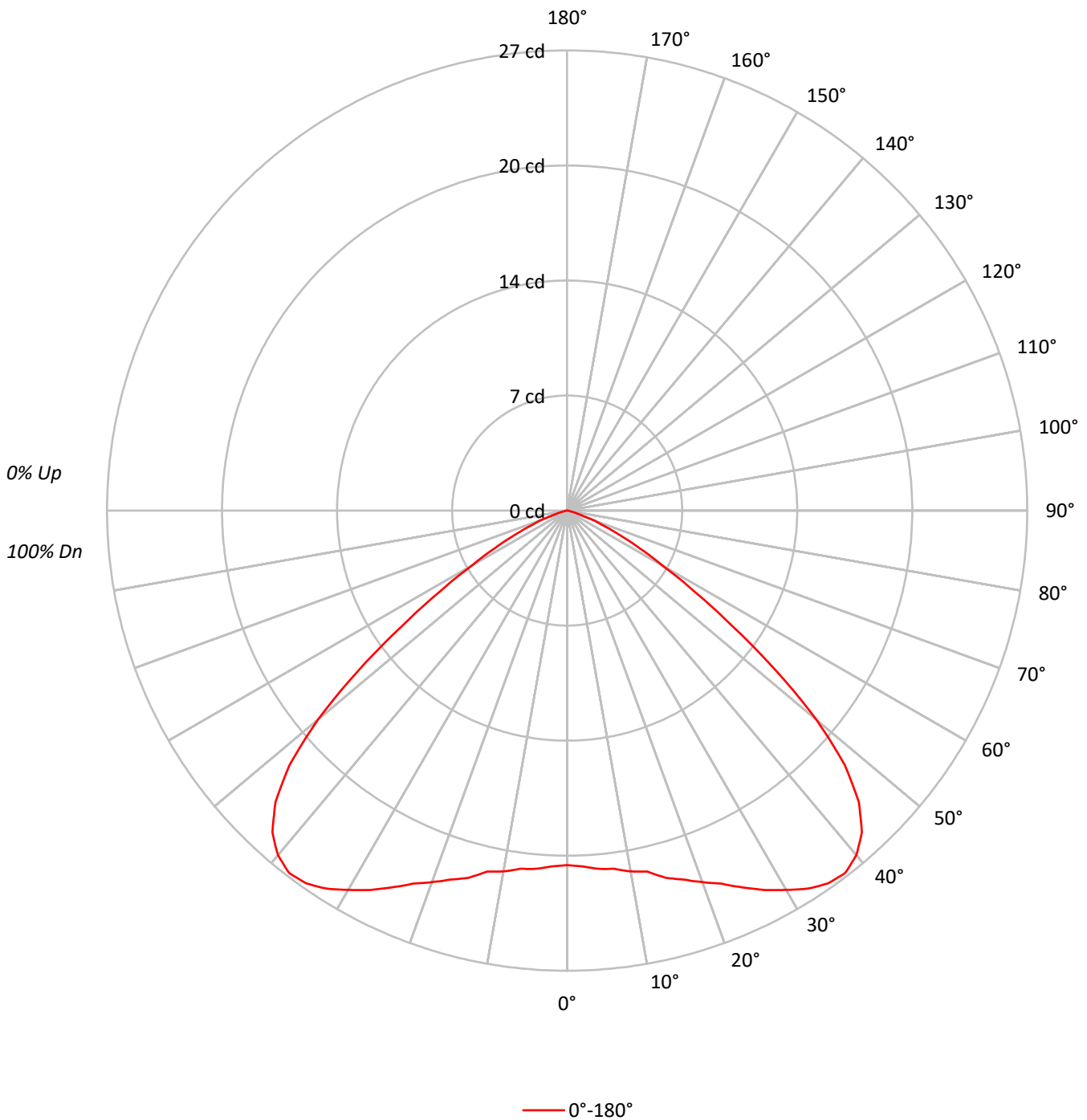
Input Watts (W): 28.5
Input Voltage (V): 120.42
Input Current (Ain): 0.23688
Voltage Rise (V): NR
Power Factor: 1
Total Harmonic Distortion (THDi): 0.96%
Frequency (hertz): 60
Stabilization Time: 0.25 HR
Operation Time: 0.5 HR
Ambient Temperature (°C): 24.8
Test Distance: 25 FT



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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	22	22	22	22	21	21	21	21	20	20	20	20	20	20	19	19	19	18
1	20	20	19	18	20	19	19	18	18	18	18	18	17	17	17	17	17	16
2	19	18	16	16	18	17	16	15	17	16	15	16	15	15	15	15	14	14
3	17	16	14	13	17	15	14	13	15	14	13	14	13	13	14	13	12	12
4	16	14	12	11	15	14	12	11	13	12	11	13	12	11	12	12	11	10
5	15	12	11	10	14	12	11	10	12	11	10	12	10	10	11	10	9	9
6	13	11	10	9	13	11	10	9	11	9	8	10	9	8	10	9	8	8
7	12	10	9	8	12	10	9	8	10	8	7	9	8	7	9	8	7	7
8	12	9	8	7	11	9	8	7	9	8	7	9	7	7	8	7	7	6
9	11	8	7	6	11	8	7	6	8	7	6	8	7	6	8	7	6	6
10	10	8	6	5	10	8	6	5	7	6	5	7	6	5	7	6	5	5

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1642
5°	1672
10°	1723
15°	1822
20°	1949
25°	2125
30°	2343
35°	2573
40°	2721
45°	2702
50°	2346
55°	1638
60°	1026
65°	635
70°	369
75°	122
80°	45
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	2.0	2.9	0.5
10°-20°	6.3	9.1	1.7
20°-30°	11.3	16.3	3.0
30°-40°	16.6	23.9	4.4
40°-50°	18.2	26.2	4.8
50°-60°	10.9	15.6	2.9
60°-70°	3.6	5.1	0.9
70°-80°	0.6	0.8	0.2
80°-90°	0.0	0.1	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°	19.7	28.3	5.2
0°-40°	36.3	52.1	9.6
0°-60°	65.5	94.0	17.2
0°-90°	69.7	100.0	18.3
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°	69.7	100.0	18.3

CANDELA DISTRIBUTION:

	0°	Flux
0°	21	
5°	21	2
15°	22	6
25°	24	11
35°	27	17
45°	24	18
55°	12	11
65°	3	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20.8
2.5°	20.9
5°	21.1
7.5°	21.2
10°	21.5
12.5°	21.7
15°	22.3
17.5°	22.7
20°	23.2
22.5°	23.7
25°	24.4
27.5°	25.1
30°	25.7
32.5°	26.3
35°	26.7
37.5°	26.8
40°	26.4
42.5°	25.6
45°	24.2
47.5°	22.1
50°	19.1
52.5°	15.5
55°	11.9
57.5°	8.9
60°	6.5
62.5°	4.8
65°	3.4
67.5°	2.3
70°	1.6
72.5°	0.8
75°	0.4
77.5°	0.2
80°	0.1
82.5°	0.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)