

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: P27415

Luminaire Tested: **5125BB-E5ICAT \_ H5ICAT-29WA19**

Test Date: 02/01/16

**Test Information**

Test Method: LM-41-14  
Report Number: P27415  
Test Lab: INNOVATION CENTER-P2  
Test Date: 02/01/16  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: 5125BB-E5ICAT \_ H5ICAT-29WA19  
Description: H5 5" RECESSED INCANDESCENT WITH FULL 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**

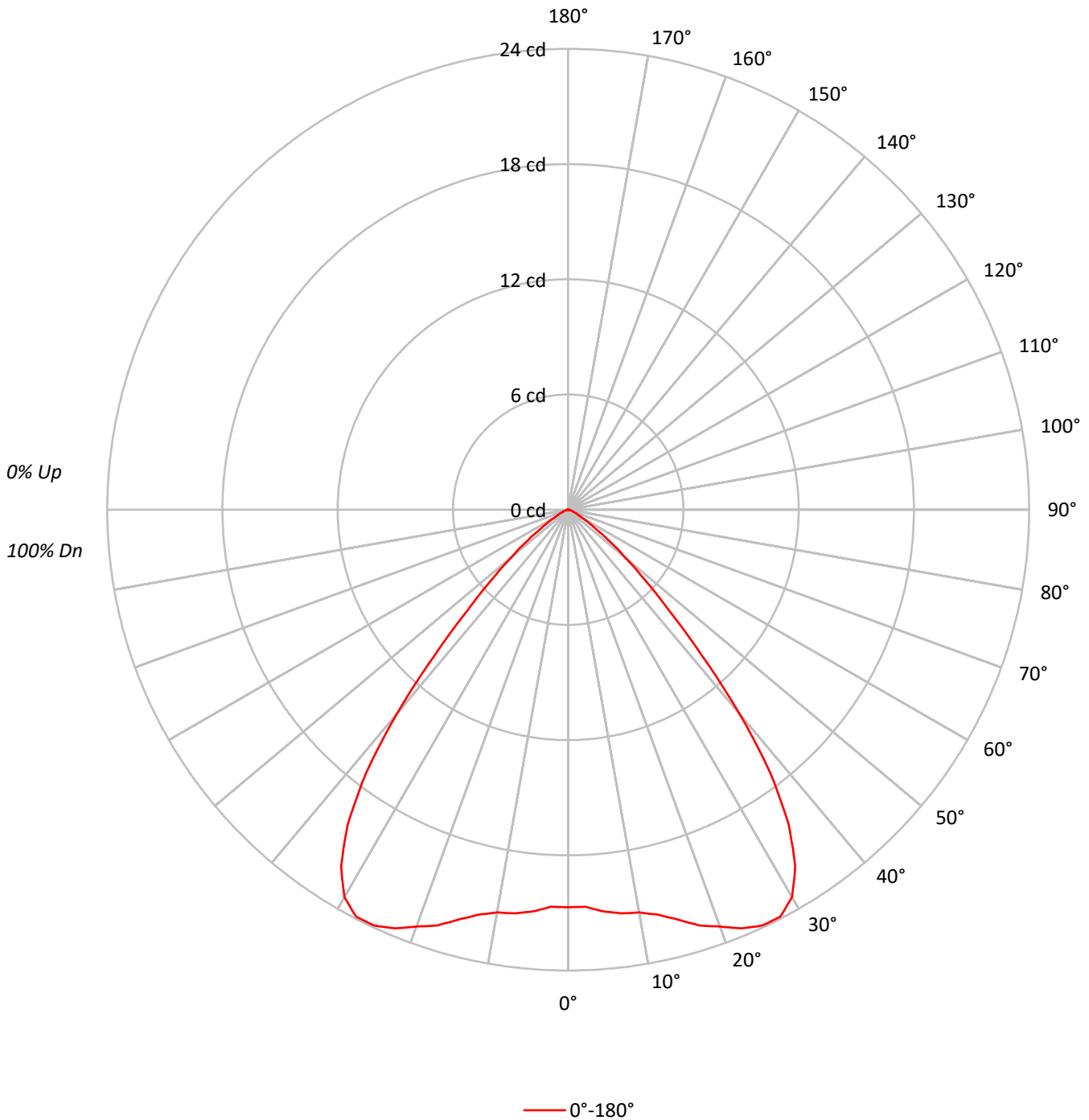
Lumens per Lamp: 380 (1 lamp)  
Luminaire Lumens: 39.9 lumens  
Efficiency: 10.5%  
Efficacy: 1.4 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.43 / 1.24  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.5  
Input Voltage (V): 120.42  
Input Current (A<sub>in</sub>): 0.23690  
Voltage Rise (V): NR  
Power Factor: 1  
Total Harmonic Distortion (THDi): 0.97%  
Frequency (hertz): 60  
Stabilization Time: 0.25 HR  
Operation Time: 0.5 HR  
Ambient Temperature (°C): 24.9  
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	13	13	13	13	12	12	12	12	12	12	12	11	11	11	11	11	11	11
1	12	11	11	11	12	11	11	11	11	11	10	10	10	10	10	10	10	10
2	11	10	10	10	11	10	10	9	10	10	9	10	9	9	9	9	9	9
3	10	10	9	8	10	9	9	8	9	9	8	9	8	8	9	8	8	8
4	10	9	8	8	10	9	8	8	8	8	7	8	8	7	8	8	7	7
5	9	8	7	7	9	8	7	7	8	7	7	8	7	7	7	7	7	6
6	9	7	7	6	8	7	7	6	7	7	6	7	6	6	7	6	6	6
7	8	7	6	6	8	7	6	6	7	6	6	6	6	5	6	6	5	5
8	8	6	6	5	7	6	6	5	6	5	5	6	5	5	6	5	5	5
9	7	6	5	5	7	6	5	5	6	5	5	6	5	5	6	5	5	4
10	7	5	5	4	7	5	5	4	5	5	4	5	5	4	5	5	4	4

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

	0°
0°	1634
5°	1664
10°	1707
15°	1806
20°	1941
25°	2082
30°	2124
35°	1927
40°	1432
45°	826
50°	479
55°	248
60°	126
65°	93
70°	69
75°	31
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	2.0	5.0	0.5
10°-20°	6.3	15.8	1.7
20°-30°	11.0	27.4	2.9
30°-40°	12.1	30.4	3.2
40°-50°	6.1	15.3	1.6
50°-60°	1.8	4.6	0.5
60°-70°	0.5	1.2	0.1
70°-80°	0.1	0.2	0.0
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°	19.3	48.3	5.1
0°-40°	31.4	78.7	8.3
0°-60°	39.3	98.5	10.3
0°-90°	39.9	100.0	10.5
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°	39.9	100.0	10.5

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21	
5°	21	2
15°	22	6
25°	24	11
35°	20	12
45°	7	6
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	20.7
2.5°	20.7
5°	21.0
7.5°	21.2
10°	21.3
12.5°	21.6
15°	22.1
17.5°	22.7
20°	23.1
22.5°	23.6
25°	23.9
27.5°	23.9
30°	23.3
32.5°	22.0
35°	20.0
37.5°	17.3
40°	13.9
42.5°	10.3
45°	7.4
47.5°	5.4
50°	3.9
52.5°	2.8
55°	1.8
57.5°	1.3
60°	0.8
62.5°	0.6
65°	0.5
67.5°	0.3
70°	0.3
72.5°	0.1
75°	0.1
77.5°	0.0
80°	0.0
82.5°	0.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)