

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: P27431

Luminaire Tested: **5125BKBB-E5ICAT \_ H5ICAT-60WA19**

Test Date: 02/02/16

**Test Information**

Test Method: LM-41-14  
Report Number: P27431  
Test Lab: INNOVATION CENTER-P2  
Test Date: 02/02/16  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: 5125BKBB-E5ICAT \_ H5ICAT-60WA19  
Description: H5 5" RECESSED INCANDESCENT WITH FULL CONE BLACK BAFFLE AND BLACK SELF-FLANGE RING  
Light Source: (1) GE MEDIUM BASE INCANDESCENT 60A19/IF  
Ballast/Driver: (1) CHROMA AC POWER SUPPLY IN0061

**Summary**

Lumens per Lamp: 960 (1 lamp)  
Luminaire Lumens: 163.5 lumens  
Efficiency: 17.0%  
Efficacy: 2.7 lumens/watt  
Spacing Criteria (0/90/45): 1.51 / 1.51 / 1.36  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct

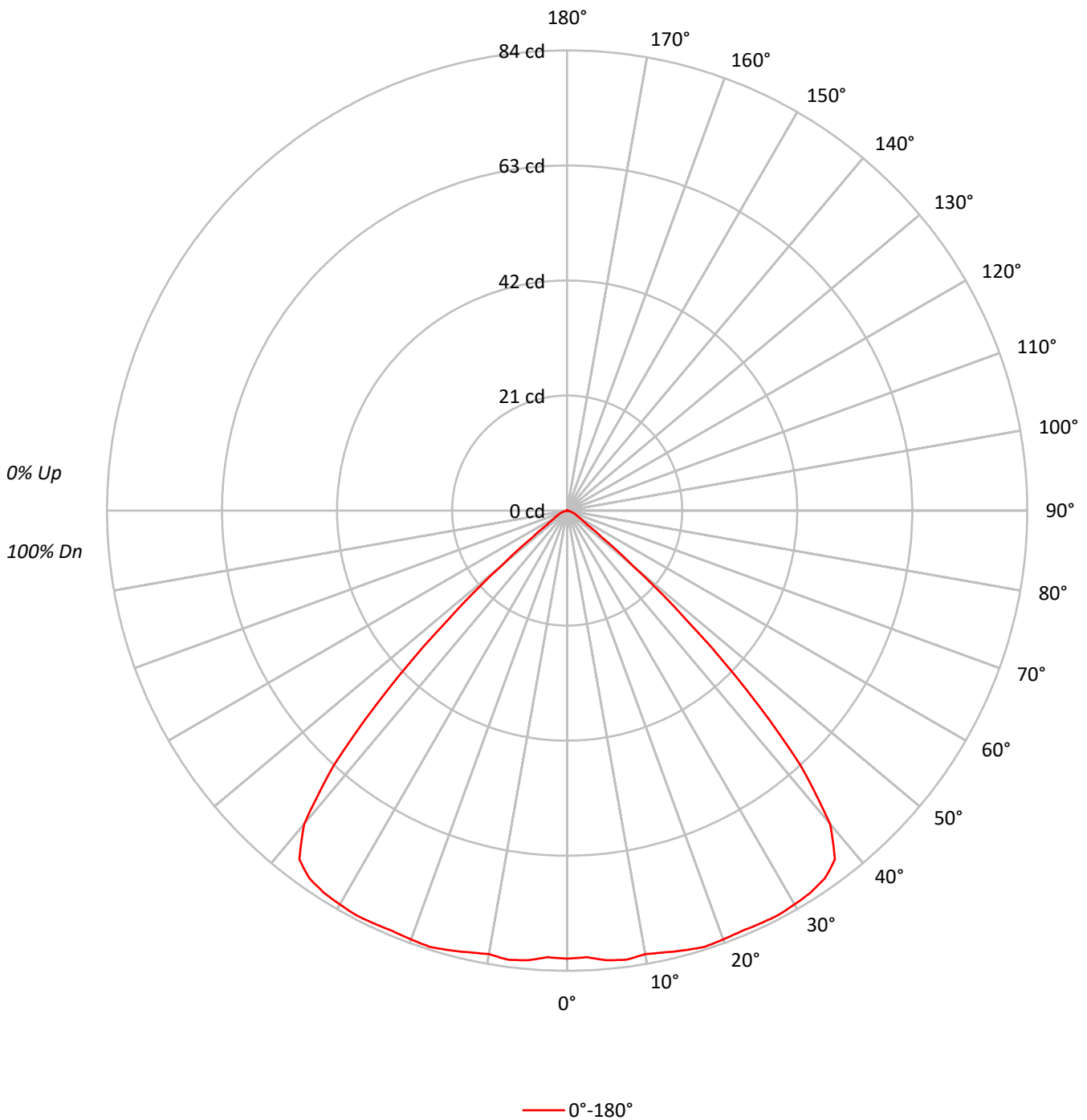
Input Watts (W): 59.8  
Input Voltage (V): 120.13  
Input Current (A<sub>in</sub>): 0.49740  
Voltage Rise (V): NR  
Power Factor: 1  
Total Harmonic Distortion (THDi): 0.61%  
Frequency (hertz): 60  
Stabilization Time: 0.25 HR  
Operation Time: 0.5 HR  
Ambient Temperature (°C): 24.7  
Test Distance: 25 FT



TEST NUMBER: P27431

CATALOG NUMBER: 5125BKBB-E5ICAT \_ H5ICAT-60WA19

### Luminous Intensity Polar Plot





TEST NUMBER: P27431

CATALOG NUMBER: 5125BKBB-E5ICAT \_ H5ICAT-60WA19

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

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

	0°
0°	6457
5°	6530
10°	6589
15°	6791
20°	6998
25°	7247
30°	7566
35°	7902
40°	7698
45°	5202
50°	1916
55°	606
60°	410
65°	318
70°	231
75°	183
80°	45
85°	0



TEST NUMBER: P27431

CATALOG NUMBER: 5125BKBB-E5ICAT \_ H5ICAT-60WA19

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	7.9	4.8	0.8
10°-20°	23.5	14.4	2.5
20°-30°	38.5	23.5	4.0
30°-40°	50.8	31.1	5.3
40°-50°	35.0	21.4	3.6
50°-60°	5.4	3.3	0.6
60°-70°	1.8	1.1	0.2
70°-80°	0.6	0.3	0.1
80°-90°	0.1	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°	69.9	42.8	7.3
0°-40°	120.7	73.8	12.6
0°-60°	161.1	98.5	16.8
0°-90°	163.5	100.0	17.0
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°	163.5	100.0	17.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	82	
5°	82	8
15°	83	24
25°	83	39
35°	82	51
45°	47	35
55°	4	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P27431

CATALOG NUMBER: 5125BKBB-E5ICAT \_ H5ICAT-60WA19

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	81.8
2.5°	81.6
5°	82.4
7.5°	82.7
10°	82.2
12.5°	82.6
15°	83.1
17.5°	83.5
20°	83.3
22.5°	83.1
25°	83.2
27.5°	83.3
30°	83.0
32.5°	82.7
35°	82.0
37.5°	80.3
40°	74.7
42.5°	63.0
45°	46.6
47.5°	29.5
50°	15.6
52.5°	7.9
55°	4.4
57.5°	3.3
60°	2.6
62.5°	2.1
65°	1.7
67.5°	1.5
70°	1.0
72.5°	0.8
75°	0.6
77.5°	0.2
80°	0.1
82.5°	0.1
85°	0.0
87.5°	0.1
90°	0.0

(END OF REPORT)