

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: P27430

Luminaire Tested: **5125BB-E5ICAT _ H5ICAT-60WA19**

Test Date: 02/02/16

Test Information

Test Method: LM-41-14
Report Number: P27430
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: 5125BB-E5ICAT _ H5ICAT-60WA19
Description: H5 5" RECESSED INCANDESCENT WITH FULL CONE BLACK BAFFLE AND WHITE SELF-FLANGE RING
Light Source: (1) GE MEDIUM BASE INCANDESCENT 60A19/IF
Ballast/Driver: (1) CHROMA AC POWER SUPPLY IN0061

Summary

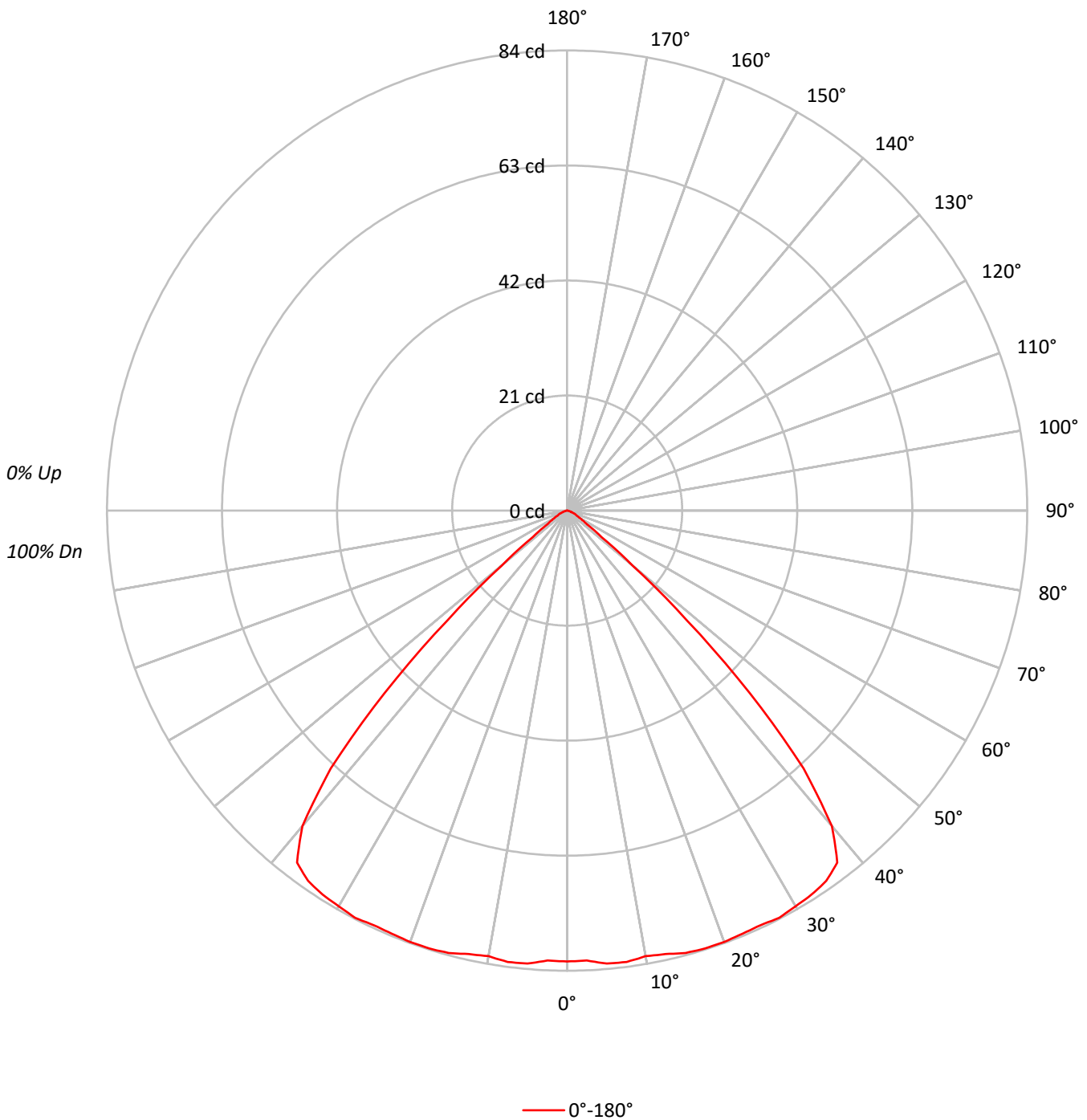
Lumens per Lamp: 960 (1 lamp)
Luminaire Lumens: 164.5 lumens
Efficiency: 17.1%
Efficacy: 2.8 lumens/watt
Spacing Criteria (0/90/45): 1.51 / 1.51 / 1.36
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 59.8
Input Voltage (V): 120.28
Input Current (A_{in}): 0.49761
Voltage Rise (V): NR
Power Factor: 1
Total Harmonic Distortion (THDi): 0.63%
Frequency (hertz): 60
Stabilization Time: 0.25 HR
Operation Time: 0.5 HR
Ambient Temperature (°C): 24.5
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	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	16	18	17	16	15	16	16	15		16	15	15		15	15	14	14
3	17	16	14	14	16	15	14	14	15	14	13		14	14	13		14	13	13	13
4	16	14	13	12	15	14	13	12	14	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	11	10	11	10	10		11	10	10		11	10	9	9
7	13	11	10	9	13	11	10	9	11	9	9		10	9	9		10	9	9	8
8	12	10	9	8	12	10	9	8	10	9	8		10	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	9	7	7	8	7	7		8	7	7		8	7	7	6

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6497
5°	6577
10°	6621
15°	6832
20°	7040
25°	7273
30°	7602
35°	7950
40°	7749
45°	5258
50°	1916
55°	633
60°	410
65°	318
70°	208
75°	122
80°	91
85°	91



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	7.9	4.8	0.8
10°-20°	23.7	14.4	2.5
20°-30°	38.7	23.5	4.0
30°-40°	51.1	31.1	5.3
40°-50°	35.4	21.5	3.7
50°-60°	5.5	3.3	0.6
60°-70°	1.7	1.0	0.2
70°-80°	0.5	0.3	0.1
80°-90°	0.1	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°	70.3	42.7	7.3
0°-40°	121.4	73.8	12.6
0°-60°	162.2	98.6	16.9
0°-90°	164.5	100.0	17.1
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°	164.5	100.0	17.1

CANDELA DISTRIBUTION:

	0°	Flux
0°	82	
5°	83	8
15°	84	24
25°	84	39
35°	82	51
45°	47	35
55°	5	6
65°	2	2
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	82.3
2.5°	82.2
5°	83.0
7.5°	83.1
10°	82.6
12.5°	82.9
15°	83.6
17.5°	83.8
20°	83.8
22.5°	83.6
25°	83.5
27.5°	83.8
30°	83.4
32.5°	83.1
35°	82.5
37.5°	81.0
40°	75.2
42.5°	63.9
45°	47.1
47.5°	29.7
50°	15.6
52.5°	7.9
55°	4.6
57.5°	3.4
60°	2.6
62.5°	2.0
65°	1.7
67.5°	1.3
70°	0.9
72.5°	0.7
75°	0.4
77.5°	0.3
80°	0.2
82.5°	0.2
85°	0.1
87.5°	0.0
90°	0.0

(END OF REPORT)