

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: P27429

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

Test Date: 02/02/16

**Test Information**

Test Method: LM-41-14  
Report Number: P27429  
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: 5125WB-E5ICAT \_ H5ICAT-60WA19  
Description: H5 5" RECESSED INCANDESCENT WITH FULL CONE WHITE BAFFLE AND WHITE SELF-FLANGE RING  
Light Source: (1) GE MEDIUM BASE INCANDESCENT 60A19/IF  
Ballast/Driver: (1) CHROMA AC POWER SUPPLY IN0061

**Summary**

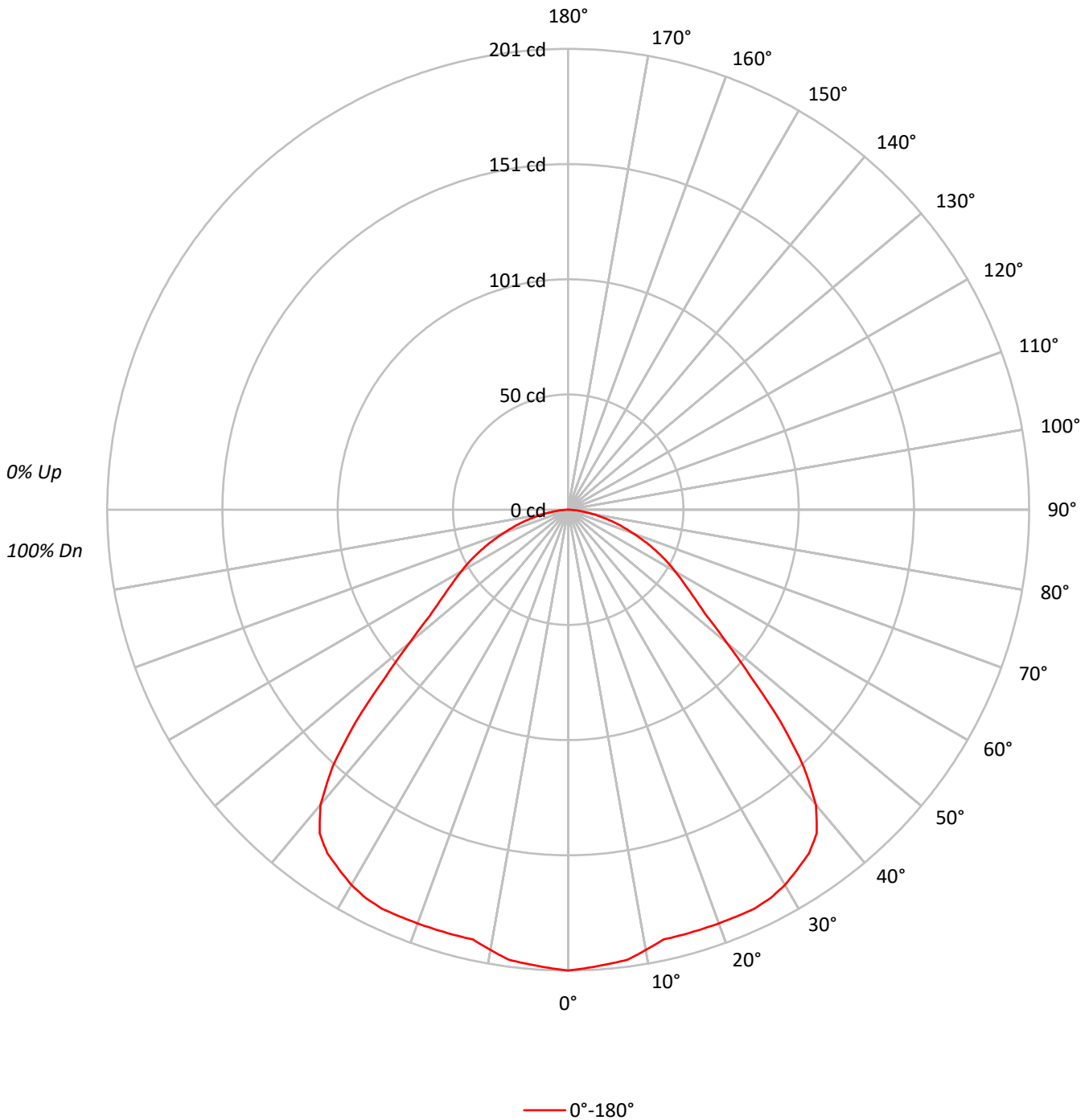
Lumens per Lamp: 960 (1 lamp)  
Luminaire Lumens: 504.4 lumens  
Efficiency: 52.5%  
Efficacy: 8.4 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.4 / 1.38  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct

Input Watts (W): 59.8  
Input Voltage (V): 120.28  
Input Current (A<sub>in</sub>): 0.49760  
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): 24.8  
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	63	63	63	63	61	61	61	61	58	58	58	56	56	56	54	54	54	53
1	58	56	54	52	56	54	53	51	52	51	49	50	49	48	48	47	47	45
2	53	49	46	43	52	48	45	43	47	44	42	45	43	41	43	42	40	39
3	49	44	40	37	48	43	39	37	42	38	36	40	38	35	39	37	35	34
4	45	39	35	32	44	39	35	32	37	34	31	36	33	31	35	32	30	29
5	42	35	31	28	41	35	31	28	34	30	27	33	30	27	32	29	27	26
6	39	32	28	24	38	32	27	24	31	27	24	30	26	24	29	26	24	23
7	36	29	25	22	35	29	25	22	28	24	22	27	24	21	27	24	21	20
8	33	27	22	19	33	26	22	19	26	22	19	25	22	19	24	21	19	18
9	31	25	20	18	31	24	20	18	24	20	17	23	20	17	23	20	17	16
10	29	23	19	16	29	22	19	16	22	18	16	21	18	16	21	18	16	15

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

	0°
0°	15867
5°	15769
10°	15631
15°	15691
20°	16129
25°	16724
30°	17228
35°	17636
40°	17312
45°	14625
50°	11053
55°	9221
60°	8526
65°	7845
70°	6924
75°	6100
80°	5001
85°	3623



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	18.9	3.7	2.0
10°-20°	54.5	10.8	5.7
20°-30°	88.5	17.6	9.2
30°-40°	113.7	22.5	11.8
40°-50°	99.8	19.8	10.4
50°-60°	61.4	12.2	6.4
60°-70°	41.5	8.2	4.3
70°-80°	21.2	4.2	2.2
80°-90°	4.8	0.9	0.5
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°	161.9	32.1	16.9
0°-40°	275.7	54.7	28.7
0°-60°	436.8	86.6	45.5
0°-90°	504.4	100.0	52.5
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°	504.4	100.0	52.5

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	201	
5°	199	19
15°	192	55
25°	192	89
35°	183	114
45°	131	100
55°	67	61
65°	42	42
75°	20	21
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	201
2.5°	200
5°	199
7.5°	198
10°	195
12.5°	192
15°	192
17.5°	192
20°	192
22.5°	192
25°	192
27.5°	191
30°	189
32.5°	186
35°	183
37.5°	178
40°	168
42.5°	152
45°	131
47.5°	108
50°	90
52.5°	76
55°	67
57.5°	60
60°	54
62.5°	48
65°	42
67.5°	36
70°	30
72.5°	25
75°	20
77.5°	15
80°	11
82.5°	7
85°	4
87.5°	1
90°	0

(END OF REPORT)