

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: P27423

Luminaire Tested: **5126WB-E5ICAT \_ H5ICAT-29WA19**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P27423  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: 5126WB-E5ICAT\_ H5ICAT-29WA19  
Description: H5 5" RECESSED INCANDESCENT WITH CONE WHITE 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**

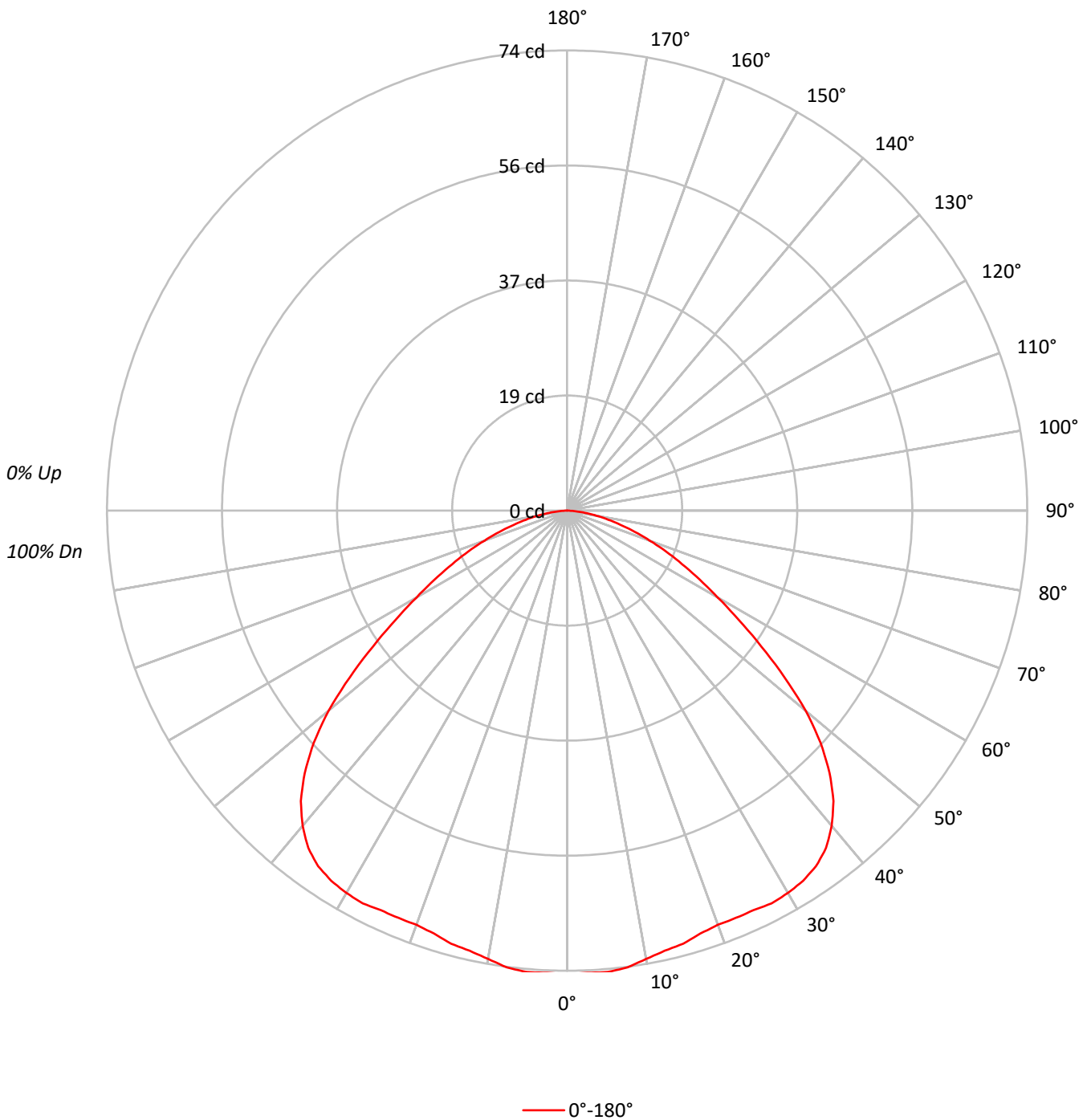
Lumens per Lamp: 380 (1 lamp)  
Luminaire Lumens: 216.0 lumens  
Efficiency: 56.8%  
Efficacy: 7.6 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.43 / 1.49  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.5  
Input Voltage (V): 120.42  
Input Current (Ain): 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	68	68	68	68	66	66	66	66	63	63	63		60	60	60		58	58	58	57
1	62	60	58	56	61	59	57	55	56	55	53		54	53	51		52	51	50	49
2	57	53	49	46	56	52	48	45	50	47	44		48	45	43		46	44	42	41
3	52	46	42	39	51	46	42	38	44	40	38		42	39	37		41	38	36	35
4	48	41	37	33	47	41	36	33	39	35	32		38	34	32		37	34	31	30
5	44	37	32	28	43	36	32	28	35	31	28		34	30	28		33	30	27	26
6	41	33	28	25	40	33	28	25	32	28	24		31	27	24		30	27	24	23
7	38	30	25	22	37	30	25	22	29	25	22		28	24	21		27	24	21	20
8	35	27	23	19	34	27	23	19	26	22	19		26	22	19		25	22	19	18
9	33	25	21	17	32	25	20	17	24	20	17		24	20	17		23	20	17	16
10	31	23	19	16	30	23	19	16	22	18	16		22	18	16		21	18	15	15

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

	0°
0°	5881
5°	5904
10°	5868
15°	5892
20°	5956
25°	6176
30°	6472
35°	6727
40°	6822
45°	6665
50°	6153
55°	5244
60°	4421
65°	3811
70°	3277
75°	2715
80°	2228
85°	1540



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	7.1	3.3	1.9
10°-20°	20.4	9.4	5.4
20°-30°	32.9	15.2	8.6
30°-40°	43.5	20.1	11.4
40°-50°	45.6	21.1	12.0
50°-60°	34.3	15.9	9.0
60°-70°	20.4	9.5	5.4
70°-80°	9.7	4.5	2.5
80°-90°	2.1	1.0	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°	60.3	27.9	15.9
0°-40°	103.8	48.1	27.3
0°-60°	183.8	85.1	48.4
0°-90°	216.0	100.0	56.8
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°	216.0	100.0	56.8

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	74	
5°	74	7
15°	72	20
25°	71	33
35°	70	44
45°	60	46
55°	38	34
65°	20	20
75°	9	10
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	74.5
2.5°	74.4
5°	74.5
7.5°	74.1
10°	73.2
12.5°	72.5
15°	72.1
17.5°	71.3
20°	70.9
22.5°	70.9
25°	70.9
27.5°	71.2
30°	71.0
32.5°	70.6
35°	69.8
37.5°	68.4
40°	66.2
42.5°	63.4
45°	59.7
47.5°	55.3
50°	50.1
52.5°	44.1
55°	38.1
57.5°	32.7
60°	28.0
62.5°	24.0
65°	20.4
67.5°	17.2
70°	14.2
72.5°	11.4
75°	8.9
77.5°	6.8
80°	4.9
82.5°	3.2
85°	1.7
87.5°	0.3
90°	0.0

(END OF REPORT)