

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: P27414

Luminaire Tested: **5125WB-E5ICAT _ H5ICAT-29WA19**

Test Date: 02/01/16

Test Information

Test Method: LM-41-14
Report Number: P27414
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: 5125WB-E5ICAT _ H5ICAT-29WA19
Description: H5 5" RECESSED INCANDESCENT WITH FULL 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

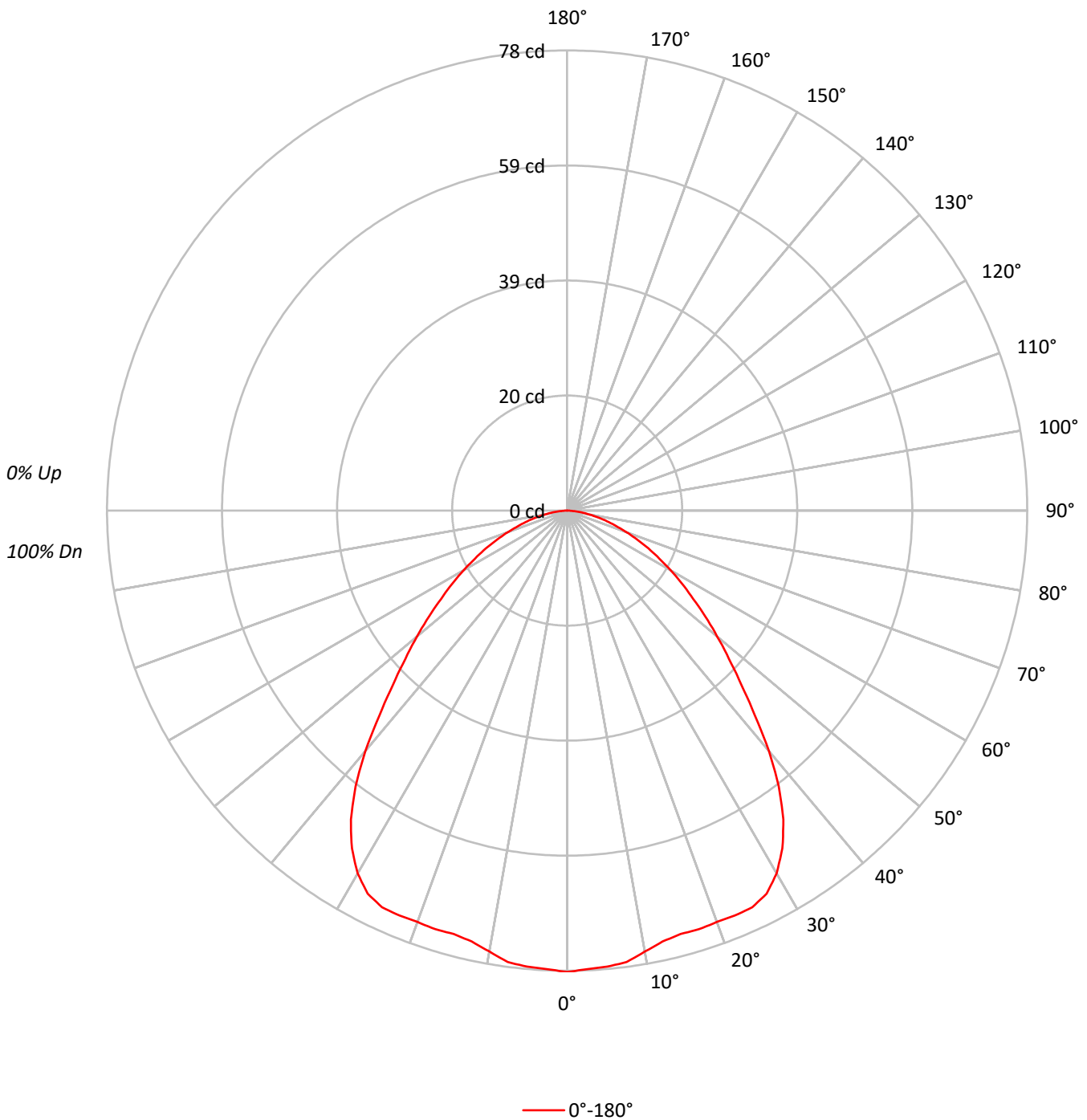
Lumens per Lamp: 380 (1 lamp)
Luminaire Lumens: 182.2 lumens
Efficiency: 48.0%
Efficacy: 6.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.28
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 28.6
Input Voltage (V): 120.50
Input Current (A_{in}): 0.23698
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): 24.8
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	57	57	57	57	56	56	56	56	53	53	53		51	51	51		49	49	49	48
1	53	51	49	47	52	50	48	47	48	46	45		46	45	44		44	43	43	42
2	49	45	42	40	47	44	42	39	43	40	38		41	39	38		40	38	37	36
3	45	40	37	34	44	39	36	34	38	35	33		37	34	32		36	34	32	31
4	41	36	32	29	40	35	32	29	34	31	29		33	30	28		32	30	28	27
5	38	33	29	26	37	32	28	25	31	28	25		30	27	25		29	27	25	24
6	35	29	26	23	35	29	25	23	28	25	22		27	24	22		27	24	22	21
7	33	27	23	20	32	27	23	20	26	22	20		25	22	20		25	22	20	19
8	31	25	21	18	30	24	21	18	24	20	18		23	20	18		23	20	18	17
9	29	23	19	16	28	22	19	16	22	19	16		21	18	16		21	18	16	15
10	27	21	17	15	26	21	17	15	20	17	15		20	17	15		19	17	15	14

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6173
5°	6149
10°	6084
15°	6072
20°	6233
25°	6463
30°	6472
35°	6158
40°	5482
45°	4655
50°	4077
55°	3592
60°	3205
65°	2839
70°	2470
75°	2135
80°	1773
85°	1087



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	7.4	4.0	1.9
10°-20°	21.1	11.6	5.6
20°-30°	34.0	18.7	9.0
30°-40°	39.5	21.7	10.4
40°-50°	32.5	17.9	8.6
50°-60°	23.5	12.9	6.2
60°-70°	15.1	8.3	4.0
70°-80°	7.5	4.1	2.0
80°-90°	1.6	0.9	0.4
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°	62.5	34.3	16.5
0°-40°	102.0	56.0	26.8
0°-60°	158.1	86.7	41.6
0°-90°	182.2	100.0	48.0
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°	182.2	100.0	48.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	78	
5°	78	7
15°	74	21
25°	74	34
35°	64	39
45°	42	33
55°	26	24
65°	15	15
75°	7	7
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	78.2
2.5°	77.8
5°	77.6
7.5°	77.2
10°	75.9
12.5°	74.8
15°	74.3
17.5°	74.4
20°	74.2
22.5°	74.3
25°	74.2
27.5°	73.2
30°	71.0
32.5°	67.9
35°	63.9
37.5°	58.9
40°	53.2
42.5°	47.1
45°	41.7
47.5°	37.2
50°	33.2
52.5°	29.5
55°	26.1
57.5°	23.1
60°	20.3
62.5°	17.6
65°	15.2
67.5°	12.8
70°	10.7
72.5°	8.7
75°	7.0
77.5°	5.3
80°	3.9
82.5°	2.5
85°	1.2
87.5°	0.2
90°	0.0

(END OF REPORT)