

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: P27454

Luminaire Tested: **6126WB-E7ICAT _ H7ICAT-43WA19**

Test Date: 02/03/16



Test Information

Test Method: LM-41-14
Report Number: P27454
Test Lab: INNOVATION CENTER-P2
Test Date: 02/03/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: 6126WB-E7ICAT _ H7ICAT-43WA19
Description: H7 6" RECESSED INCANDESCENT WITH SHALLOW FULL CONE WHITE
BAFFLE AND WHITE SELF-FLANGE RING
Light Source: (1) GE MEDIUM BASE INCANDESCENT
43A/HAL/SSW/4
Ballast/Driver: (1) CHROMA AC POWER SUPPLY
IN0061

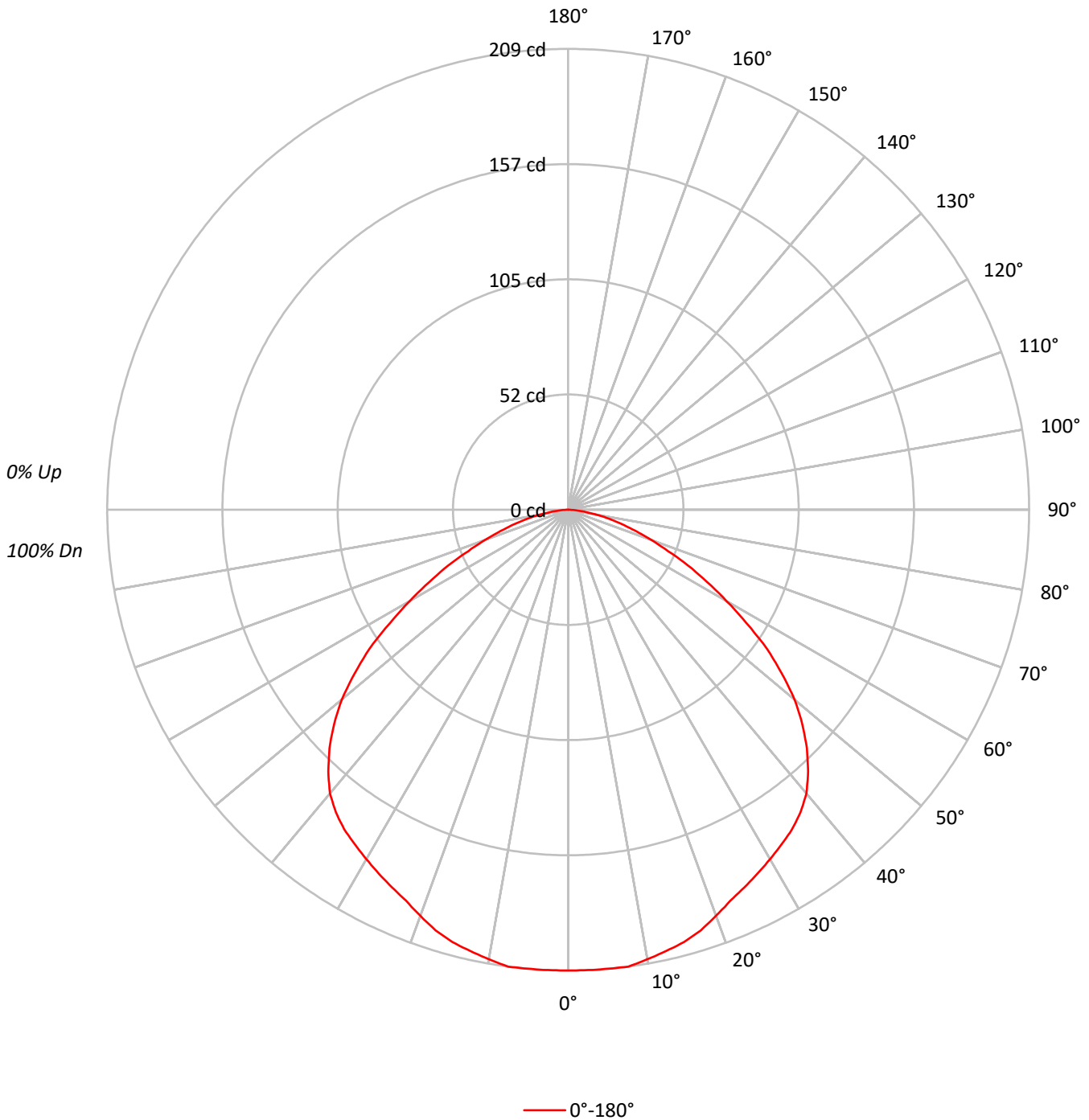
Summary

Lumens per Lamp: 785 (1 lamp)
Luminaire Lumens: 581.8 lumens
Efficiency: 74.1%
Efficacy: 13.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.44
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
Input Voltage (V): 120.05
Input Current (A_{in}): 0.35966
Voltage Rise (V): NR
Power Factor: 1
Total Harmonic Distortion (THDi): 0.81%
Frequency (hertz): 60
Stabilization Time: 0.25 HR
Operation Time: 0.5 HR
Ambient Temperature (°C): 24.9
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	88	88	88	88	86	86	86	86	82	82	82		79	79	79		76	76	76	74
1	81	78	75	72	79	76	74	71	73	71	69		70	69	67		68	66	65	63
2	74	68	64	60	72	67	63	59	65	61	58		62	59	56		60	57	55	54
3	68	60	55	50	66	59	54	50	57	52	49		55	51	48		53	50	47	45
4	62	54	47	43	61	53	47	42	51	46	42		49	45	41		48	44	41	39
5	57	48	41	37	56	47	41	36	46	40	36		44	39	36		43	39	35	34
6	53	43	37	32	51	42	36	32	41	36	32		40	35	31		39	34	31	30
7	49	39	33	28	48	39	32	28	37	32	28		36	31	28		35	31	28	26
8	46	36	29	25	44	35	29	25	34	29	25		33	28	25		32	28	25	23
9	43	33	27	23	41	32	26	23	31	26	22		31	26	22		30	25	22	21
10	40	30	24	20	39	30	24	20	29	24	20		28	24	20		28	23	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11457
5°	11501
10°	11523
15°	11521
20°	11434
25°	11432
30°	11584
35°	11845
40°	12023
45°	11862
50°	11428
55°	10513
60°	9100
65°	7783
70°	6411
75°	5295
80°	4104
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	19.9	3.4	2.5
10°-20°	57.2	9.8	7.3
20°-30°	87.4	15.0	11.1
30°-40°	110.6	19.0	14.1
40°-50°	117.6	20.2	15.0
50°-60°	97.5	16.8	12.4
60°-70°	59.7	10.3	7.6
70°-80°	27.0	4.6	3.4
80°-90°	5.0	0.9	0.6
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°	164.5	28.3	21.0
0°-40°	275.1	47.3	35.0
0°-60°	490.1	84.2	62.4
0°-90°	581.8	100.0	74.1
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°	581.8	100.0	74.1

CANDELA DISTRIBUTION:

	0°	Flux
0°	209	
5°	209	20
15°	203	57
25°	189	87
35°	177	111
45°	153	118
55°	110	97
65°	60	60
75°	25	27
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	209
2.5°	209
5°	209
7.5°	209
10°	207
12.5°	205
15°	203
17.5°	200
20°	196
22.5°	192
25°	189
27.5°	186
30°	183
32.5°	180
35°	177
37.5°	173
40°	168
42.5°	161
45°	153
47.5°	144
50°	134
52.5°	122
55°	110
57.5°	96
60°	83
62.5°	71
65°	60
67.5°	49
70°	40
72.5°	32
75°	25
77.5°	19
80°	13
82.5°	8
85°	4
87.5°	0
90°	0

(END OF REPORT)