

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: P27452

Luminaire Tested: **6125BKBB-E7ICAT _ H7ICAT-43WA19**

Test Date: 02/03/16



Test Information

Test Method: LM-41-14
Report Number: P27452
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: 6125BKBB-E7ICAT _ H7ICAT-43WA19
Description: H7 6" RECESSED INCANDESCENT WITH FULL CONE BLACK BAFFLE AND BLACK SELF-FLANGE RING
Light Source: (1) GE MEDIUM BASE INCANDESCENT 43A/HAL/SSW/4
Ballast/Driver: (1) CHROMA AC POWER SUPPLY IN0061

Summary

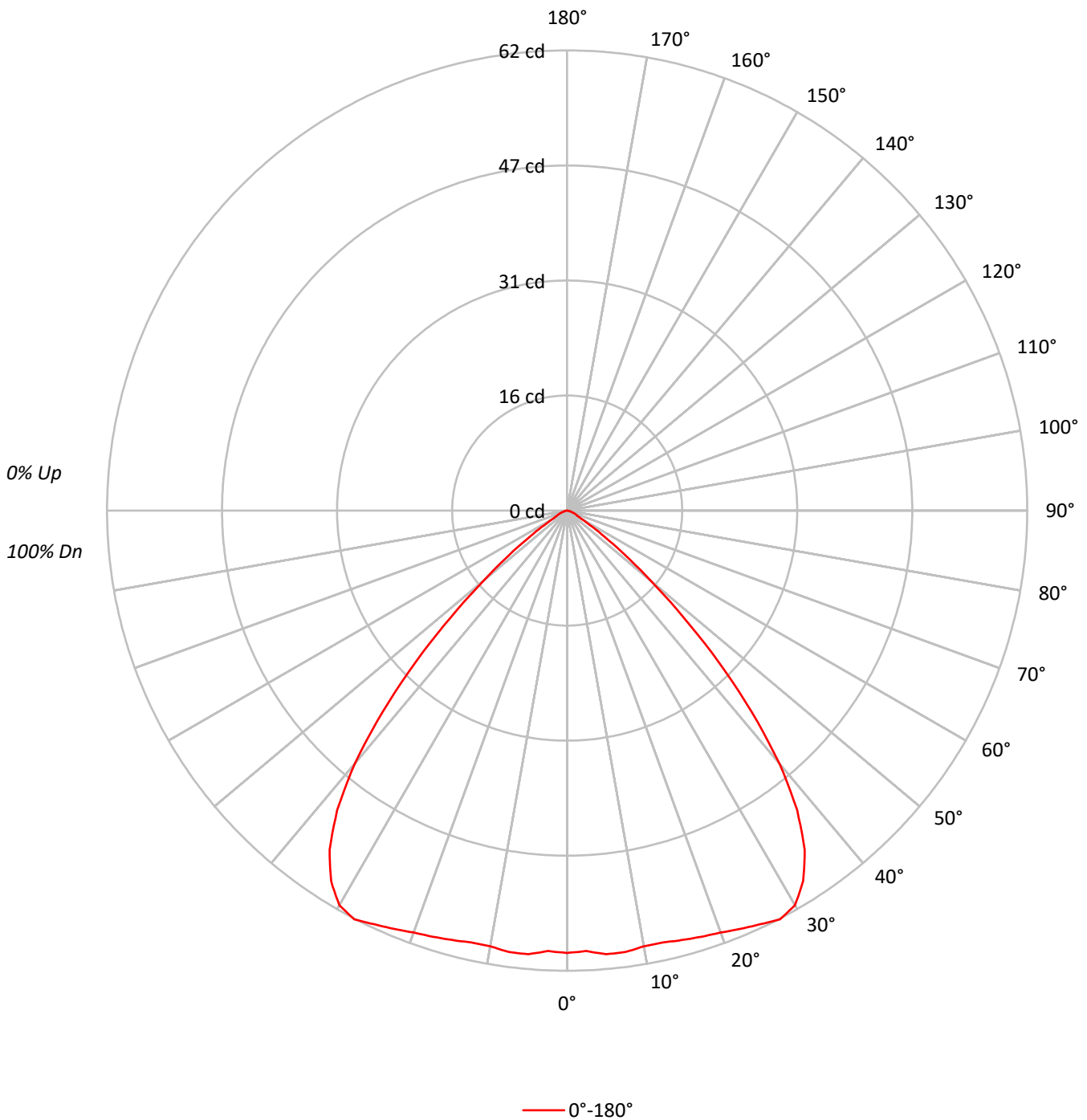
Lumens per Lamp: 785 (1 lamp)
Luminaire Lumens: 115.6 lumens
Efficiency: 14.7%
Efficacy: 2.7 lumens/watt
Spacing Criteria (0/90/45): 1.42 / 1.42 / 1.29
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
Input Voltage (V): 120.06
Input Current (A_{in}): 0.35964
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	18	18	18	18	17	17	17	17	16	16	16	16	16	16	15	15	15	15
1	17	16	16	15	16	16	15	15	15	15	15	15	14	14	14	14	14	13
2	15	15	14	13	15	14	14	13	14	13	13	13	13	13	13	13	12	12
3	14	13	12	12	14	13	12	12	13	12	11	12	12	11	12	11	11	11
4	14	12	11	10	13	12	11	10	12	11	10	11	11	10	11	10	10	10
5	13	11	10	9	12	11	10	9	11	10	9	10	10	9	10	10	9	9
6	12	10	9	8	12	10	9	8	10	9	8	10	9	8	9	9	8	8
7	11	9	8	8	11	9	8	8	9	8	7	9	8	7	9	8	7	7
8	10	9	8	7	10	9	8	7	8	7	7	8	7	7	8	7	7	6
9	10	8	7	6	10	8	7	6	8	7	6	8	7	6	7	7	6	6
10	9	7	6	6	9	7	6	6	7	6	6	7	6	6	7	6	6	5

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3267
5°	3302
10°	3318
15°	3400
20°	3529
25°	3720
30°	3887
35°	3734
40°	3185
45°	2233
50°	1245
55°	583
60°	241
65°	182
70°	144
75°	85
80°	32
85°	63



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	5.7	4.9	0.7
10°-20°	17.0	14.7	2.2
20°-30°	28.4	24.6	3.6
30°-40°	34.2	29.6	4.4
40°-50°	22.2	19.2	2.8
50°-60°	6.2	5.3	0.8
60°-70°	1.4	1.2	0.2
70°-80°	0.5	0.4	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°	51.1	44.2	6.5
0°-40°	85.3	73.8	10.9
0°-60°	113.7	98.3	14.5
0°-90°	115.6	100.0	14.7
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°	115.6	100.0	14.7

CANDELA DISTRIBUTION:

	0°	Flux
0°	60	
5°	60	6
15°	60	17
25°	62	28
35°	56	34
45°	29	22
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	59.6
2.5°	59.4
5°	60.0
7.5°	60.0
10°	59.6
12.5°	59.6
15°	59.9
17.5°	60.2
20°	60.5
22.5°	61.0
25°	61.5
27.5°	62.1
30°	61.4
32.5°	59.2
35°	55.8
37.5°	50.9
40°	44.5
42.5°	36.8
45°	28.8
47.5°	21.2
50°	14.6
52.5°	9.8
55°	6.1
57.5°	3.6
60°	2.2
62.5°	1.6
65°	1.4
67.5°	1.1
70°	0.9
72.5°	0.6
75°	0.4
77.5°	0.3
80°	0.1
82.5°	0.1
85°	0.1
87.5°	0.0
90°	0.0

(END OF REPORT)