

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: P27455

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

Test Date: 02/03/16



Test Information

Test Method: LM-41-14
Report Number: P27455
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: 6126BB-E7ICAT _ H7ICAT-43WA19
Description: H7 6" RECESSED INCANDESCENT WITH SHALLOW FULL CONE BLACK
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

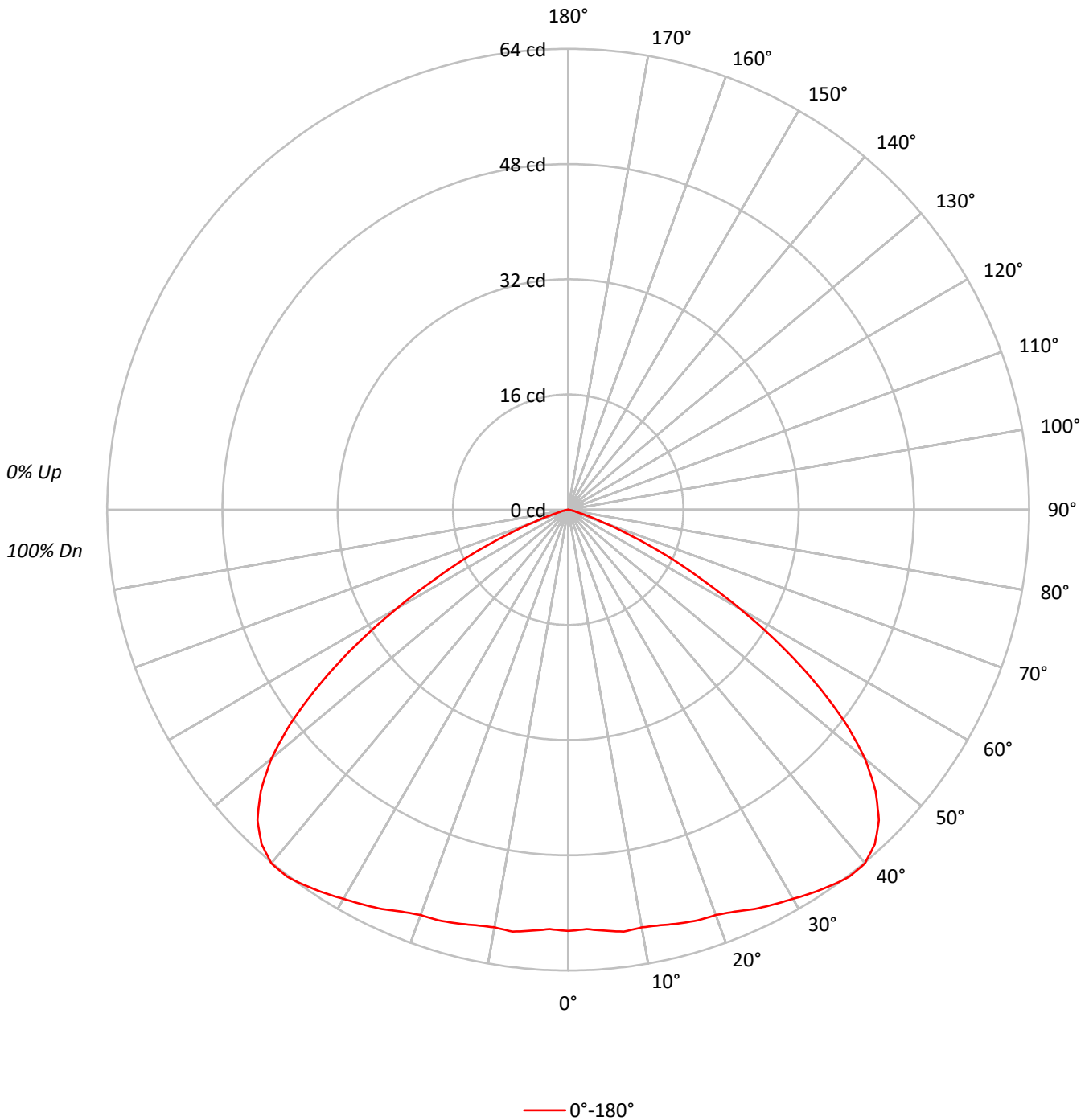
Lumens per Lamp: 785 (1 lamp)
Luminaire Lumens: 191.4 lumens
Efficiency: 24.4%
Efficacy: 4.4 lumens/watt
Spacing Criteria (0/90/45): 1.66 / 1.66 / 1.67
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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): 25.0
Test Distance: 25 FT

TEST NUMBER: P27455

CATALOG NUMBER: 6126BB-E7ICAT _ H7ICAT-43WA19

Luminous Intensity Polar Plot





TEST NUMBER: P27455

CATALOG NUMBER: 6126BB-E7ICAT _ H7ICAT-43WA19

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	29	29	29	29	28	28	28	28	27	27	27	26	26	26	25	25	25	24
1	27	26	25	24	26	25	25	24	24	24	23	24	23	22	23	22	22	21
2	25	23	22	20	24	23	21	20	22	21	20	21	20	19	20	19	19	18
3	23	20	19	17	22	20	18	17	19	18	17	19	17	16	18	17	16	16
4	21	18	16	15	20	18	16	14	17	16	14	17	15	14	16	15	14	13
5	19	16	14	12	19	16	14	12	15	14	12	15	13	12	14	13	12	12
6	18	14	12	11	17	14	12	11	14	12	11	13	12	11	13	12	10	10
7	16	13	11	9	16	13	11	9	12	11	9	12	10	9	12	10	9	9
8	15	12	10	8	15	12	10	8	11	10	8	11	9	8	11	9	8	8
9	14	11	9	7	14	11	9	7	10	9	7	10	9	7	10	8	7	7
10	13	10	8	7	13	10	8	7	10	8	7	9	8	7	9	8	7	6

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3207
5°	3230
10°	3279
15°	3377
20°	3494
25°	3702
30°	3950
35°	4263
40°	4587
45°	4729
50°	4588
55°	4005
60°	3026
65°	1946
70°	833
75°	254
80°	158
85°	0



TEST NUMBER: P27455

CATALOG NUMBER: 6126BB-E7ICAT _ H7ICAT-43WA19

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	5.6	2.9	0.7
10°-20°	16.9	8.8	2.1
20°-30°	28.3	14.8	3.6
30°-40°	40.0	20.9	5.1
40°-50°	46.5	24.3	5.9
50°-60°	37.0	19.3	4.7
60°-70°	15.1	7.9	1.9
70°-80°	1.9	1.0	0.2
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°	50.8	26.5	6.5
0°-40°	90.8	47.4	11.6
0°-60°	174.3	91.0	22.2
0°-90°	191.4	100.0	24.4
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°	191.4	100.0	24.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	58	
5°	59	6
15°	60	17
25°	61	28
35°	64	40
45°	61	47
55°	42	37
65°	15	15
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P27455

CATALOG NUMBER: 6126BB-E7ICAT _ H7ICAT-43WA19

CANDELA DISTRIBUTION (FULL):

	0°
0°	58.5
2.5°	58.3
5°	58.7
7.5°	59.1
10°	58.9
12.5°	59.1
15°	59.5
17.5°	59.8
20°	59.9
22.5°	60.4
25°	61.2
27.5°	61.8
30°	62.4
32.5°	63.1
35°	63.7
37.5°	64.2
40°	64.1
42.5°	63.0
45°	61.0
47.5°	57.9
50°	53.8
52.5°	48.4
55°	41.9
57.5°	34.9
60°	27.6
62.5°	20.7
65°	15.0
67.5°	9.5
70°	5.2
72.5°	2.6
75°	1.2
77.5°	0.6
80°	0.5
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)