

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: P27432

Luminaire Tested: **5150WH-E5ICAT _ H5ICAT-60WA19**

Test Date: 02/02/16

Test Information

Test Method: LM-41-14
Report Number: P27432
Test Lab: INNOVATION CENTER-P2
Test Date: 02/02/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: 5150WH-E5ICAT _ H5ICAT-60WA19
Description: H5 5" RECESSED INCANDESCENT WITH FLAT FROST LENS AND WHITE PLASTIC SELF-FLANGE RING, SHOWERLIGHT
Light Source: (1) GE MEDIUM BASE INCANDESCENT 60A19/IF
Ballast/Driver: (1) CHROMA AC POWER SUPPLY IN0061

Summary

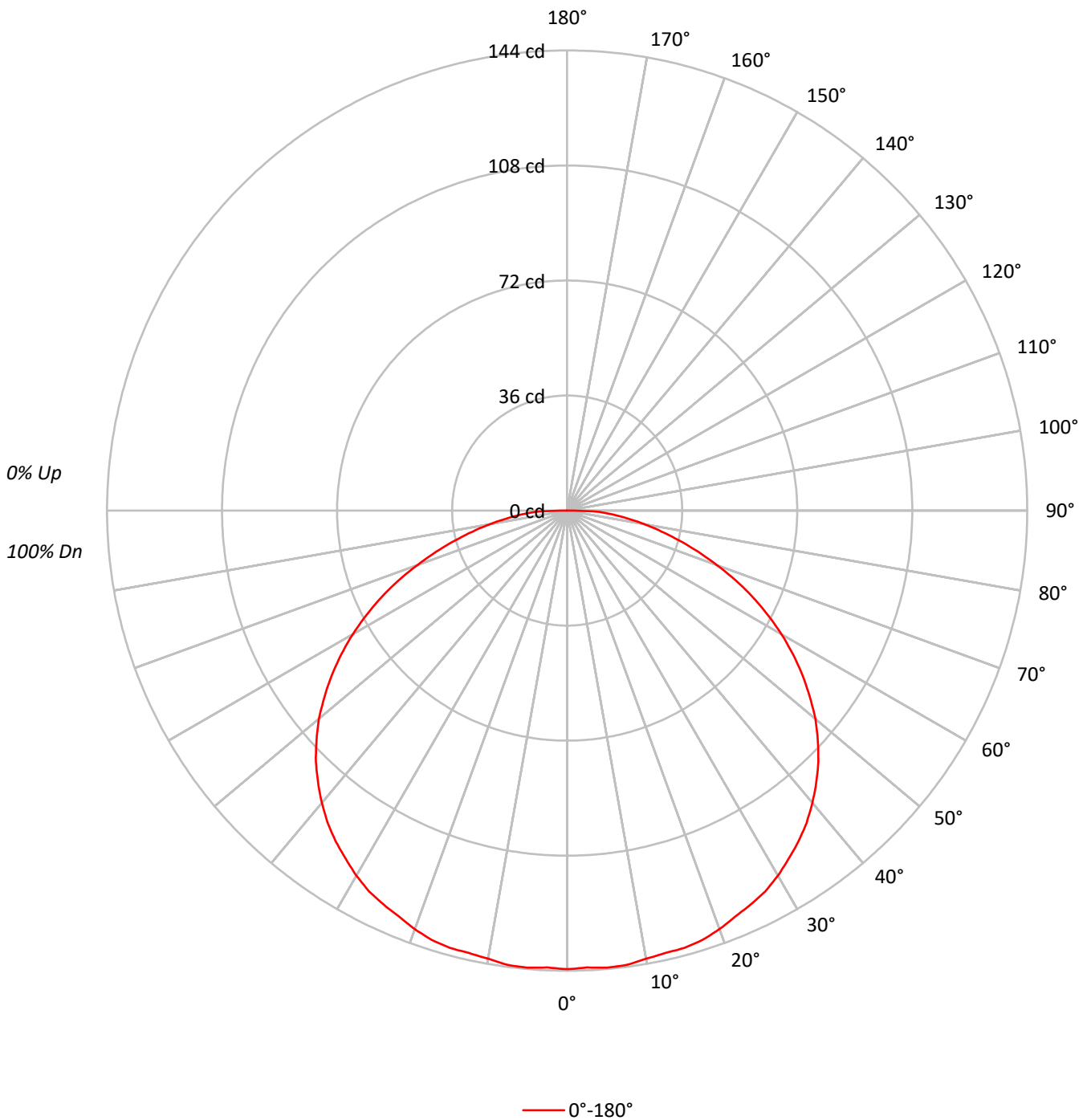
Lumens per Lamp: 960 (1 lamp)
Luminaire Lumens: 478.7 lumens
Efficiency: 49.9%
Efficacy: 8.0 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.36 / 1.48
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 59.9
Input Voltage (V): 120.42
Input Current (A_{in}): 0.49743
Voltage Rise (V): NR
Power Factor: 1
Total Harmonic Distortion (THDi): 0.63%
Frequency (hertz): 60
Stabilization Time: 0.25 HR
Operation Time: 0.5 HR
Ambient Temperature (°C): 24.4
Test Distance: 25 FT



TEST NUMBER: P27432
CATALOG NUMBER: 5150WH-E5ICAT _ H5ICAT-60WA19

Luminous Intensity Polar Plot





TEST NUMBER: P27432

CATALOG NUMBER: 5150WH-E5ICAT _ H5ICAT-60WA19

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	59	59	59	59	58	58	58	58	55	55	55		53	53	53		51	51	51	50
1	54	51	49	47	52	50	48	46	48	46	45		46	45	43		44	43	42	41
2	49	44	41	38	47	43	40	37	42	39	36		40	37	35		38	36	35	33
3	44	39	34	31	43	38	34	31	36	33	30		35	32	30		34	31	29	28
4	40	34	29	26	39	33	29	26	32	28	25		31	28	25		30	27	25	24
5	37	30	26	22	36	30	25	22	29	25	22		28	24	22		27	24	21	20
6	34	27	23	19	33	27	22	19	26	22	19		25	21	19		24	21	19	18
7	32	25	20	17	31	24	20	17	23	19	17		23	19	17		22	19	16	15
8	29	22	18	15	28	22	18	15	21	18	15		21	17	15		20	17	15	14
9	27	20	16	13	27	20	16	13	20	16	13		19	16	13		18	15	13	12
10	26	19	15	12	25	19	15	12	18	14	12		18	14	12		17	14	12	11

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11328
5°	11379
10°	11415
15°	11581
20°	11711
25°	11846
30°	12023
35°	12171
40°	12304
45°	12414
50°	12453
55°	12387
60°	12236
65°	11973
70°	11494
75°	11102
80°	11138
85°	12952



TEST NUMBER: P27432

CATALOG NUMBER: 5150WH-E5ICAT _ H5ICAT-60WA19

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	13.7	2.9	1.4
10°-20°	40.0	8.4	4.2
20°-30°	62.8	13.1	6.5
30°-40°	79.0	16.5	8.2
40°-50°	85.7	17.9	8.9
50°-60°	80.3	16.8	8.4
60°-70°	63.3	13.2	6.6
70°-80°	38.8	8.1	4.0
80°-90°	15.2	3.2	1.6
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°	116.5	24.3	12.1
0°-40°	195.5	40.8	20.4
0°-60°	361.5	75.5	37.7
0°-90°	478.7	100.0	49.9
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°	478.7	100.0	49.9

CANDELA DISTRIBUTION:

	0°	Flux
0°	144	
5°	144	14
15°	142	40
25°	136	63
35°	126	79
45°	111	86
55°	90	80
65°	64	63
75°	36	39
85°	14	15
90°	0	



TEST NUMBER: P27432

CATALOG NUMBER: 5150WH-E5ICAT _ H5ICAT-60WA19

CANDELA DISTRIBUTION (FULL):

0°	
0°	143.5
2.5°	143.1
5°	143.6
7.5°	143.4
10°	142.4
12.5°	141.8
15°	141.7
17.5°	140.9
20°	139.4
22.5°	137.5
25°	136.0
27.5°	134.3
30°	131.9
32.5°	129.1
35°	126.3
37.5°	123.1
40°	119.4
42.5°	115.4
45°	111.2
47.5°	106.4
50°	101.4
52.5°	95.7
55°	90.0
57.5°	83.8
60°	77.5
62.5°	70.8
65°	64.1
67.5°	57.1
70°	49.8
72.5°	43.1
75°	36.4
77.5°	30.3
80°	24.5
82.5°	19.1
85°	14.3
87.5°	10.1
90°	0.0

(END OF REPORT)