

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: P27456

Luminaire Tested: **6150WH-E7ICAT _ H7ICAT-60WA19**

Test Date: 02/03/16



Test Information

Test Method: LM-41-14
Report Number: P27456
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: 6150WH-E7ICAT _ H7ICAT-60WA19
Description: H7 6" RECESSED INCANDESCENT WITH DOME 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

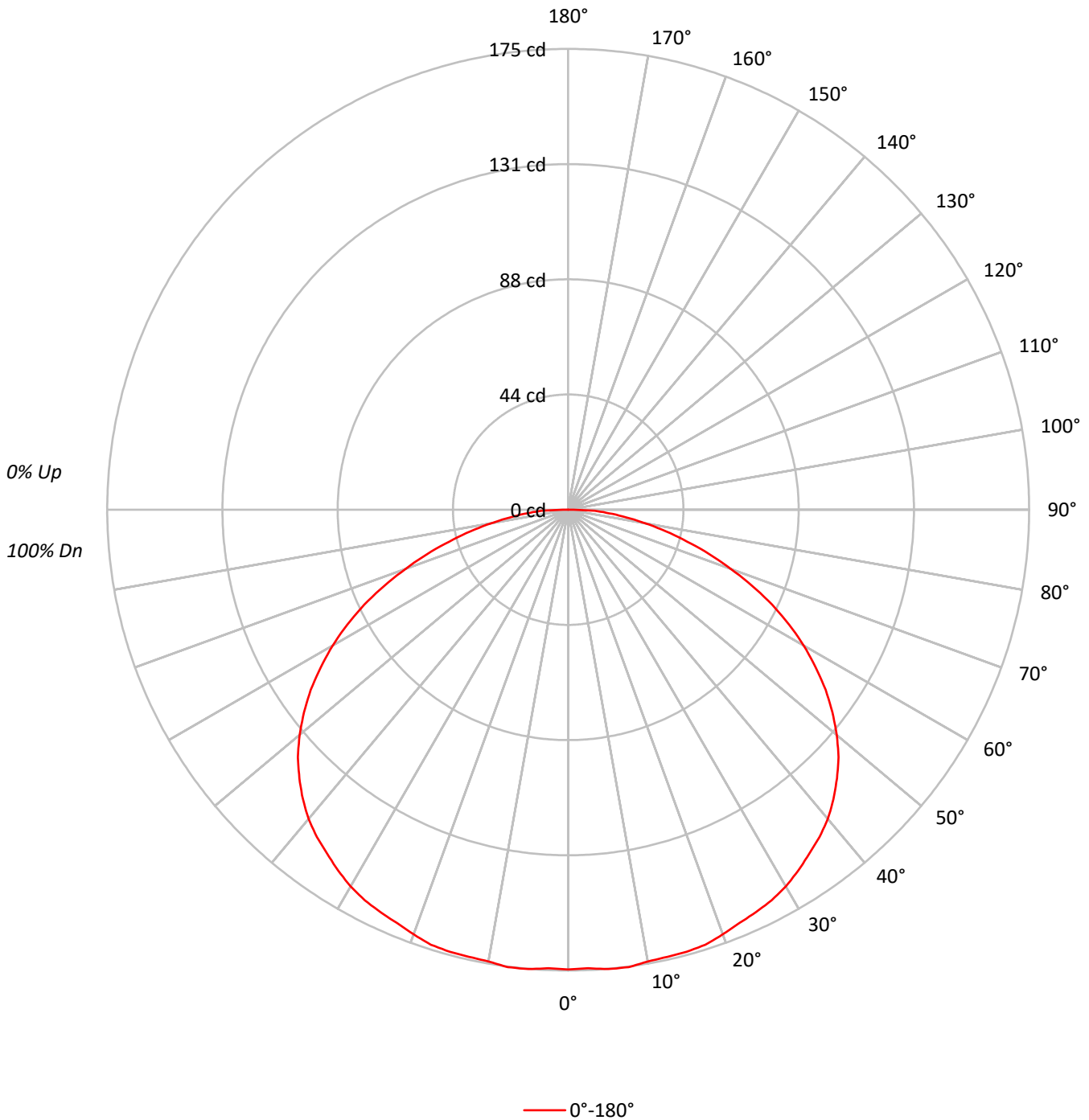
Summary

Lumens per Lamp: 960 (1 lamp)
Luminaire Lumens: 612.4 lumens
Efficiency: 63.8%
Efficacy: 10.2 lumens/watt
Spacing Criteria (0/90/45): 1.41 / 1.41 / 1.53
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 59.8
Input Voltage (V): 120.28
Input Current (A_{in}): 0.49750
Voltage Rise (V): NR
Power Factor: 1
Total Harmonic Distortion (THDi): 0.62%
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	76	76	76	76	74	74	74	74	71	71	71		68	68	68		65	65	65	64
1	69	66	63	60	67	64	61	59	61	59	57		59	57	55		56	55	54	52
2	62	57	52	48	60	55	51	47	53	49	46		51	48	45		49	46	44	43
3	56	49	44	39	55	48	43	39	46	42	38		45	41	38		43	40	37	35
4	51	43	37	33	50	42	37	33	41	36	32		39	35	32		38	34	31	30
5	47	39	32	28	46	38	32	28	36	31	28		35	31	27		34	30	27	26
6	43	34	29	24	42	34	28	24	33	28	24		32	27	24		31	27	23	22
7	40	31	25	21	39	31	25	21	30	25	21		29	24	21		28	24	21	19
8	37	28	23	19	36	28	22	19	27	22	19		26	22	18		25	21	18	17
9	35	26	20	17	34	25	20	17	25	20	17		24	20	17		23	19	16	15
10	32	24	19	15	32	23	18	15	23	18	15		22	18	15		22	18	15	14

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9572
5°	9636
10°	9697
15°	9864
20°	10011
25°	10198
30°	10457
35°	10674
40°	10971
45°	11187
50°	11351
55°	11402
60°	11326
65°	11078
70°	10531
75°	9891
80°	9376
85°	9749



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	16.7	2.7	1.7
10°-20°	49.1	8.0	5.1
20°-30°	77.9	12.7	8.1
30°-40°	100.0	16.3	10.4
40°-50°	111.3	18.2	11.6
50°-60°	106.3	17.4	11.1
60°-70°	84.2	13.7	8.8
70°-80°	49.7	8.1	5.2
80°-90°	17.1	2.8	1.8
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°	143.7	23.5	15.0
0°-40°	243.8	39.8	25.4
0°-60°	461.4	75.3	48.1
0°-90°	612.4	100.0	63.8
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°	612.4	100.0	63.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	175	
5°	175	17
15°	174	49
25°	169	78
35°	160	100
45°	144	111
55°	119	106
65°	85	84
75°	47	50
85°	16	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	174.6
2.5°	174.3
5°	175.1
7.5°	175.2
10°	174.2
12.5°	173.9
15°	173.8
17.5°	173.2
20°	171.6
22.5°	169.9
25°	168.6
27.5°	167.2
30°	165.2
32.5°	162.5
35°	159.5
37.5°	156.7
40°	153.3
42.5°	149.1
45°	144.3
47.5°	139.2
50°	133.1
52.5°	126.4
55°	119.3
57.5°	111.4
60°	103.3
62.5°	94.6
65°	85.4
67.5°	75.6
70°	65.7
72.5°	56.2
75°	46.7
77.5°	38.0
80°	29.7
82.5°	22.2
85°	15.5
87.5°	10.1
90°	0.0

(END OF REPORT)