

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 COMMERCIAL

Report Number: P581790

Luminaire Tested: **HC615D010-HM60525930-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525930-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1244.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

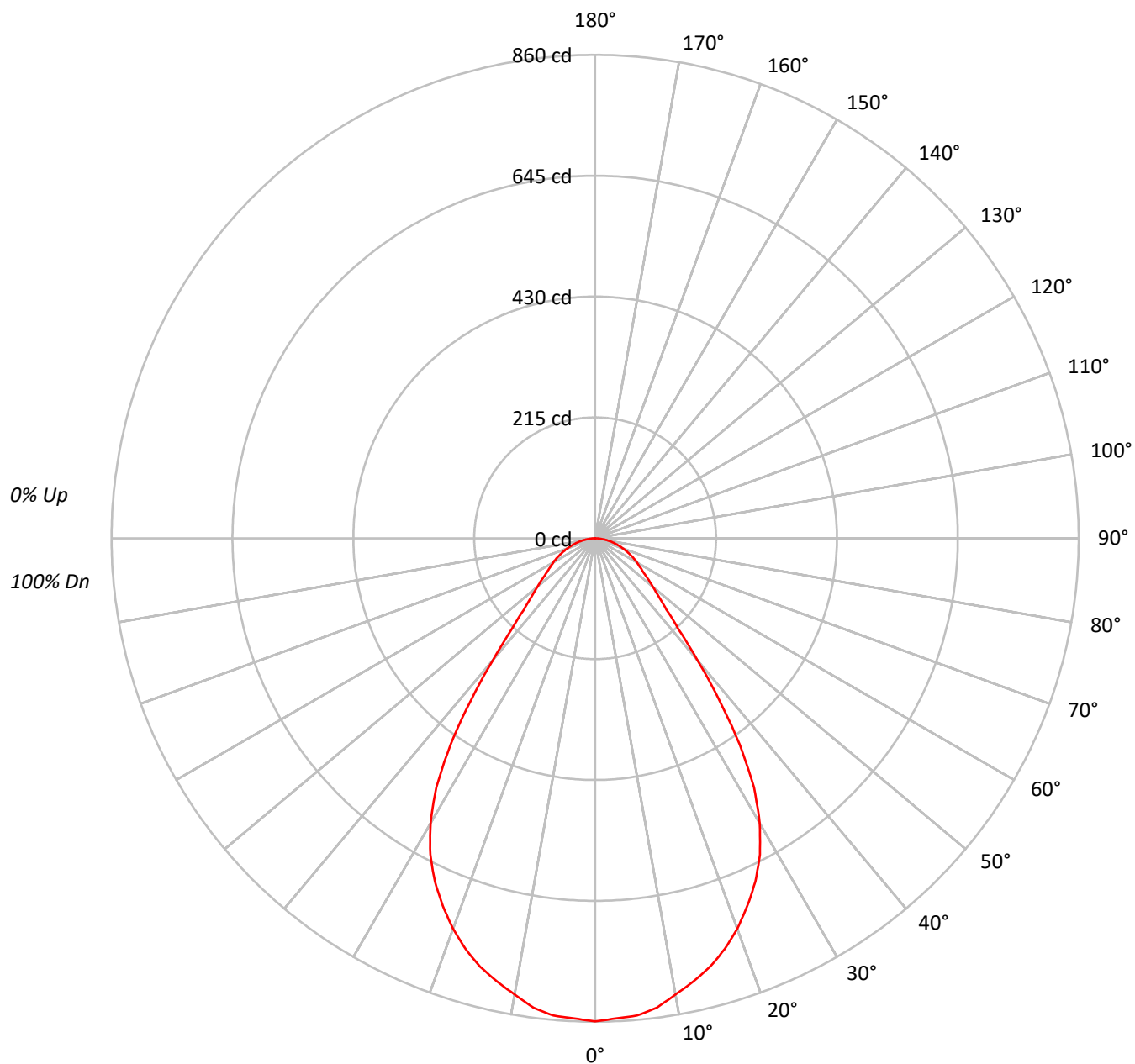
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47118
5°	46902
10°	45863
15°	44790
20°	43106
25°	40768
30°	37044
35°	29988
40°	20216
45°	13893
50°	11386
55°	9959
60°	9418
65°	8898
70°	8351
75°	7943
80°	7198
85°	6353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	6.5
10°-20°	221.6	17.8
20°-30°	307.9	24.7
30°-40°	274.1	22.0
40°-50°	145.5	11.7
50°-60°	95.1	7.6
60°-70°	68.2	5.5
70°-80°	39.5	3.2
80°-90°	11.6	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	610.0	49.0
0°-40°	884.1	71.1
0°-60°	1124.7	90.4
0°-90°	1244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	860	
5°	852	80
15°	789	222
25°	674	308
35°	448	274
45°	179	146
55°	104	95
65°	69	68
75°	38	40
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	859.5
2.5°	855.0
5°	852.3
7.5°	842.2
10°	823.9
12.5°	807.4
15°	789.2
17.5°	766.2
20°	738.9
22.5°	707.8
25°	674.0
27.5°	634.6
30°	585.2
32.5°	525.7
35°	448.1
37.5°	362.1
40°	282.5
42.5°	219.5
45°	179.2
47.5°	152.7
50°	133.5
52.5°	117.9
55°	104.2
57.5°	94.2
60°	85.9
62.5°	77.7
65°	68.6
67.5°	60.4
70°	52.1
72.5°	44.8
75°	37.5
77.5°	30.2
80°	22.8
82.5°	16.5
85°	10.1
87.5°	4.5
90°	0.0



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— 0°-180°







(END OF REPORT)