

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: P581601

Luminaire Tested: **HC610D010-HM60525835-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC610D010-HM60525835-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1247.3 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

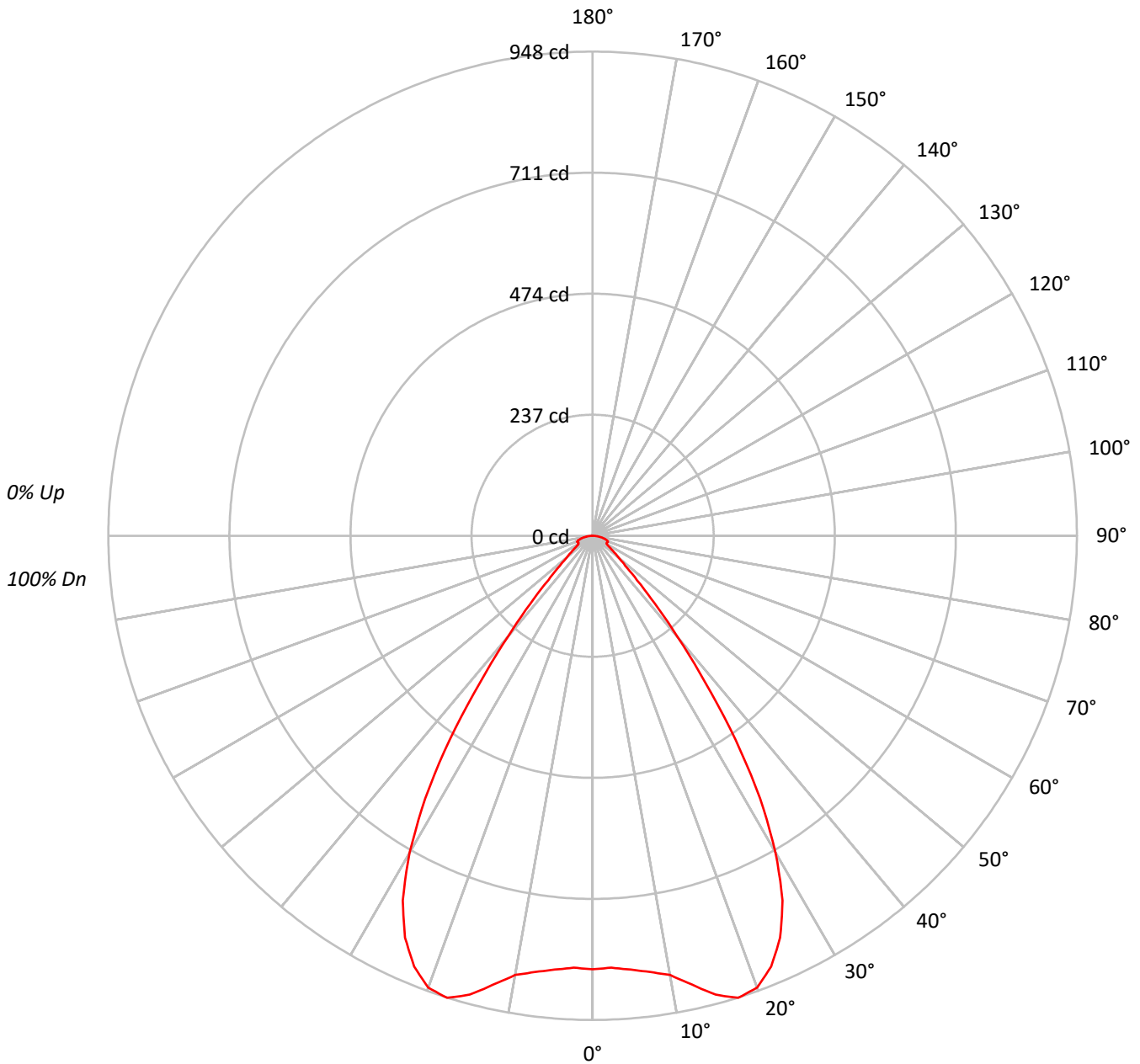
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0	
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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46526
5°	46918
10°	48607
15°	52798
20°	54920
25°	52533
30°	45336
35°	32645
40°	18392
45°	9528
50°	5689
55°	4091
60°	3476
65°	4008
70°	5081
75°	5380
80°	5241
85°	4969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	6.6
10°-20°	262.4	21.0
20°-30°	392.2	31.4
30°-40°	299.8	24.0
40°-50°	104.7	8.4
50°-60°	39.9	3.2
60°-70°	31.3	2.5
70°-80°	26.5	2.1
80°-90°	8.5	0.7
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°	736.6	59.1
0°-40°	1036.4	83.1
0°-60°	1181.0	94.7
0°-90°	1247.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1247.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	849	
5°	853	82
15°	930	262
25°	868	392
35°	488	300
45°	123	105
55°	43	40
65°	31	31
75°	25	26
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	848.7
2.5°	846.3
5°	852.6
7.5°	861.3
10°	873.2
12.5°	900.2
15°	930.3
17.5°	948.5
20°	941.4
22.5°	912.8
25°	868.5
27.5°	805.0
30°	716.2
32.5°	609.9
35°	487.8
37.5°	361.7
40°	257.0
42.5°	180.0
45°	122.9
47.5°	86.5
50°	66.7
52.5°	52.3
55°	42.8
57.5°	34.9
60°	31.7
62.5°	30.9
65°	30.9
67.5°	32.5
70°	31.7
72.5°	29.3
75°	25.4
77.5°	21.4
80°	16.6
82.5°	11.9
85°	7.9
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)