

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: P581672

Luminaire Tested: **HC610D010-HM60525935-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581672
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-HM60525935-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1107.8 lumens
Efficiency: N/A
Efficacy: 111.9 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

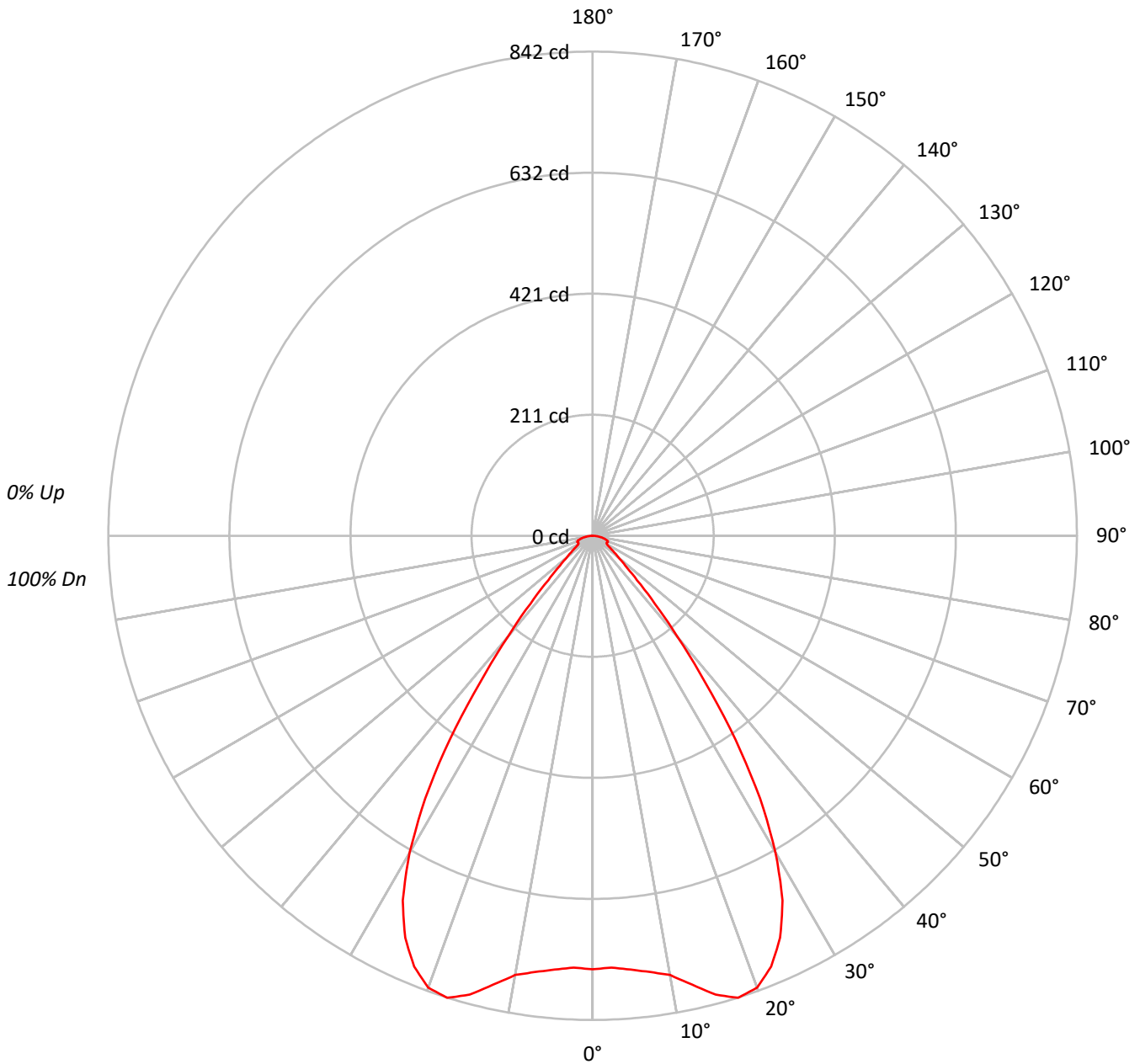
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
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°	41318
5°	41668
10°	43169
15°	46890
20°	48777
25°	46654
30°	40266
35°	28991
40°	16331
45°	8466
50°	5049
55°	3632
60°	3092
65°	3567
70°	4520
75°	4766
80°	4672
85°	4403



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	6.6
10°-20°	233.0	21.0
20°-30°	348.3	31.4
30°-40°	266.3	24.0
40°-50°	93.0	8.4
50°-60°	35.4	3.2
60°-70°	27.8	2.5
70°-80°	23.5	2.1
80°-90°	7.5	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°	654.2	59.1
0°-40°	920.5	83.1
0°-60°	1048.9	94.7
0°-90°	1107.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1107.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	754	
5°	757	73
15°	826	233
25°	771	348
35°	433	266
45°	109	93
55°	38	35
65°	28	28
75°	22	23
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	753.7
2.5°	751.6
5°	757.2
7.5°	765.0
10°	775.5
12.5°	799.5
15°	826.2
17.5°	842.4
20°	836.1
22.5°	810.7
25°	771.3
27.5°	715.0
30°	636.1
32.5°	541.7
35°	433.2
37.5°	321.3
40°	228.2
42.5°	160.0
45°	109.2
47.5°	76.7
50°	59.2
52.5°	46.5
55°	38.0
57.5°	31.0
60°	28.2
62.5°	27.5
65°	27.5
67.5°	28.9
70°	28.2
72.5°	26.0
75°	22.5
77.5°	19.0
80°	14.8
82.5°	10.5
85°	7.0
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)