

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: P581654

Luminaire Tested: **HC610D010-HM60525930-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581654
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-HM60525930-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1052.3 lumens
Efficiency: N/A
Efficacy: 106.3 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

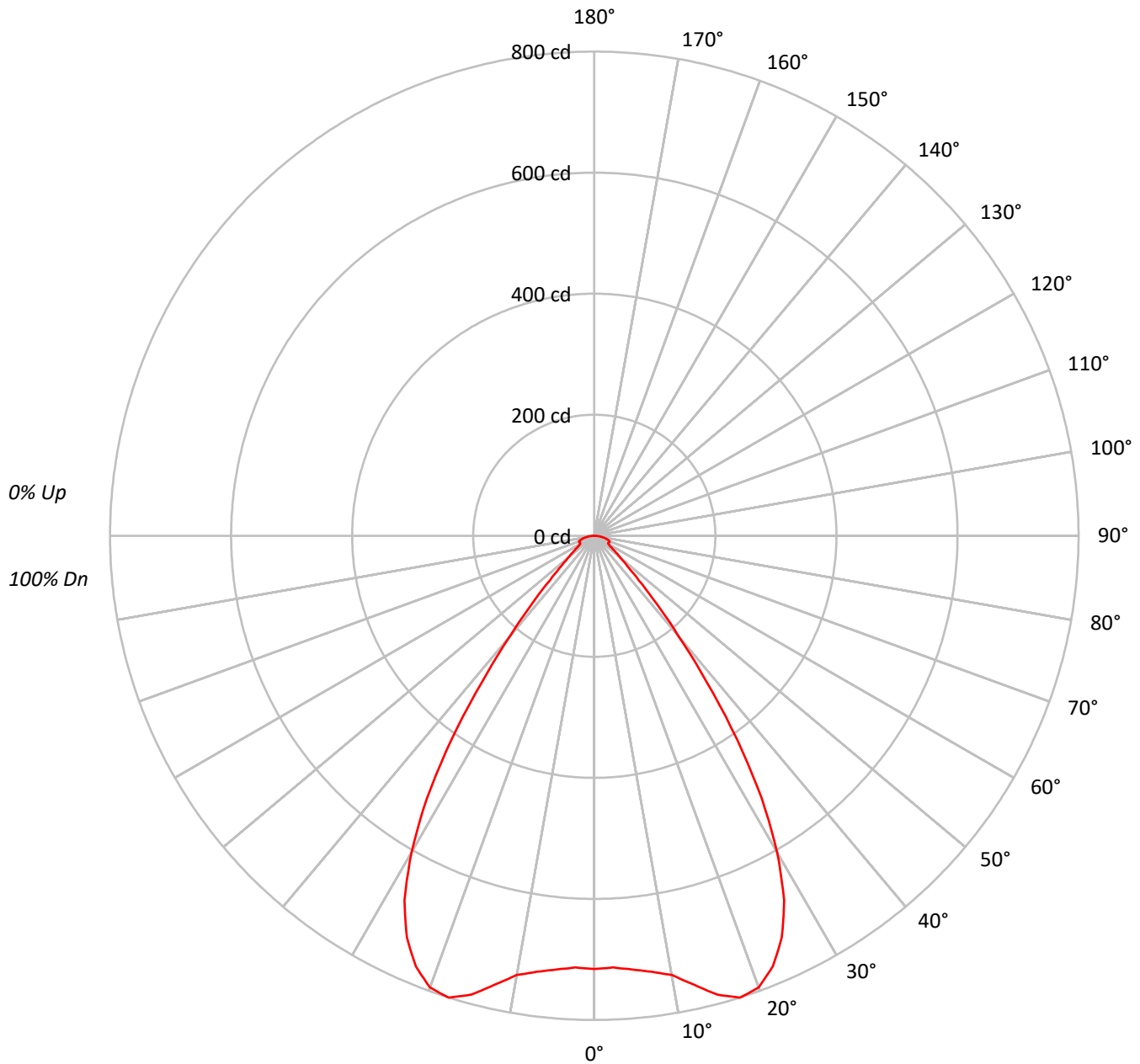
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	78	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	66	56	49	45	65	55	49	45	54	48	45		53	48	44		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39251
5°	39583
10°	41009
15°	44546
20°	46332
25°	44313
30°	38253
35°	27539
40°	15515
45°	8040
50°	4802
55°	3450
60°	2927
65°	3386
70°	4280
75°	4533
80°	4420
85°	4214



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	6.6
10°-20°	221.4	21.0
20°-30°	330.9	31.4
30°-40°	252.9	24.0
40°-50°	88.3	8.4
50°-60°	33.6	3.2
60°-70°	26.4	2.5
70°-80°	22.3	2.1
80°-90°	7.2	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°	621.5	59.1
0°-40°	874.4	83.1
0°-60°	996.4	94.7
0°-90°	1052.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	716	
5°	719	69
15°	785	221
25°	733	331
35°	412	253
45°	104	88
55°	36	34
65°	26	26
75°	21	22
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	716.0
2.5°	714.0
5°	719.3
7.5°	726.6
10°	736.7
12.5°	759.5
15°	784.9
17.5°	800.2
20°	794.2
22.5°	770.1
25°	732.6
27.5°	679.2
30°	604.3
32.5°	514.6
35°	411.5
37.5°	305.1
40°	216.8
42.5°	151.9
45°	103.7
47.5°	72.9
50°	56.3
52.5°	44.1
55°	36.1
57.5°	29.4
60°	26.7
62.5°	26.1
65°	26.1
67.5°	27.4
70°	26.7
72.5°	24.8
75°	21.4
77.5°	18.1
80°	14.0
82.5°	10.1
85°	6.7
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)