

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: P583148

Luminaire Tested: **HC660D010-HM64560827-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583148
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: HC660D010-HM64560827-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5546.8 lumens
Efficiency: N/A
Efficacy: 100.9 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

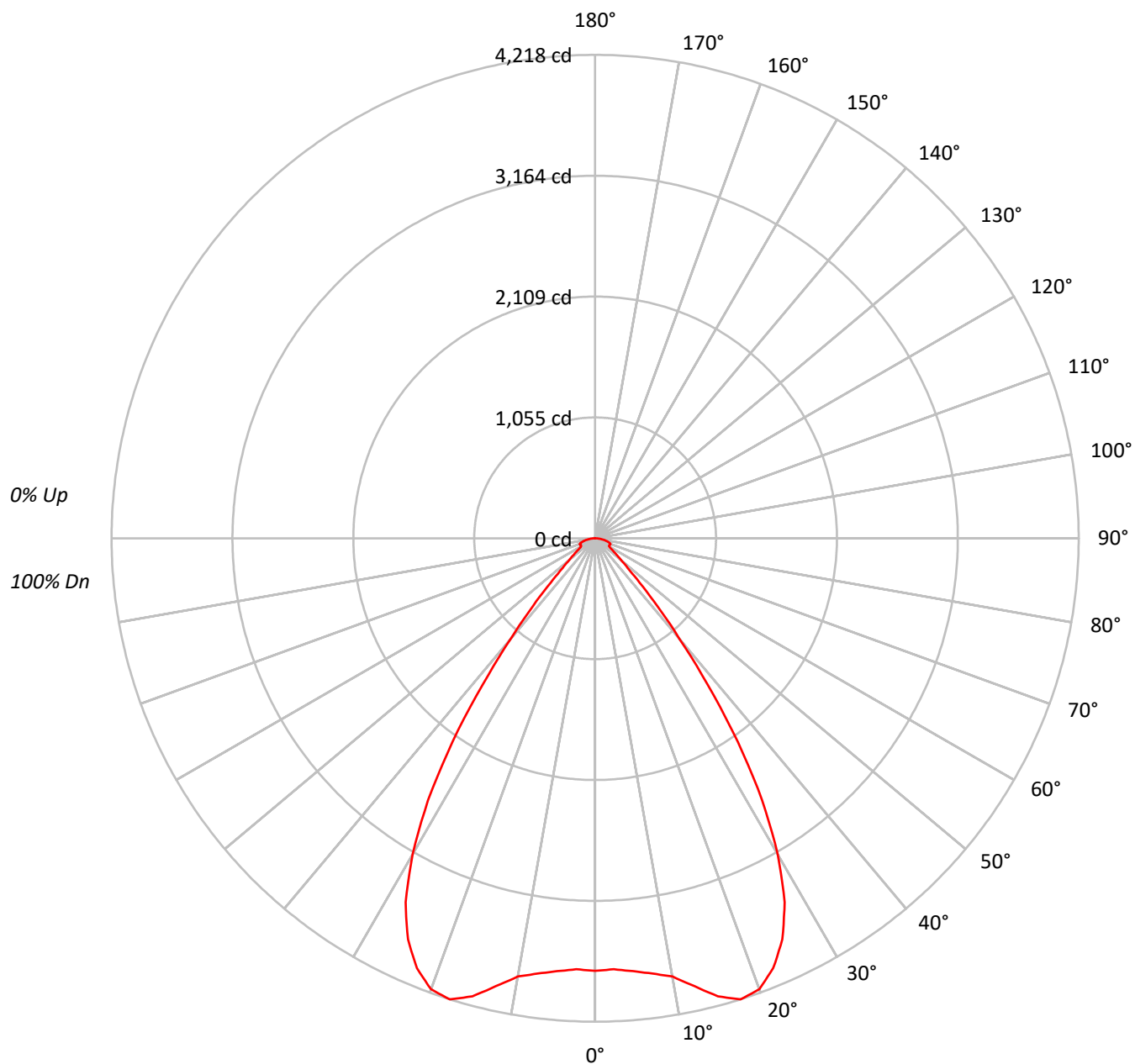
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	206880
5°	208639
10°	216156
15°	234791
20°	244228
25°	233602
30°	201601
35°	145156
40°	81775
45°	42376
50°	25261
55°	18198
60°	15470
65°	17836
70°	22616
75°	23913
80°	23393
85°	22203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.8	6.6
10°-20°	1166.8	21.0
20°-30°	1744.0	31.4
30°-40°	1333.2	24.0
40°-50°	465.6	8.4
50°-60°	177.4	3.2
60°-70°	139.2	2.5
70°-80°	117.8	2.1
80°-90°	37.9	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°	3275.7	59.1
0°-40°	4608.9	83.1
0°-60°	5251.9	94.7
0°-90°	5546.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5546.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3774	
5°	3791	365
15°	4137	1167
25°	3862	1744
35°	2169	1333
45°	547	466
55°	190	177
65°	138	139
75°	113	118
85°	35	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3773.8
2.5°	3763.2
5°	3791.4
7.5°	3830.2
10°	3883.1
12.5°	4003.0
15°	4137.0
17.5°	4218.2
20°	4186.4
22.5°	4059.5
25°	3862.0
27.5°	3579.7
30°	3184.8
32.5°	2712.2
35°	2169.0
37.5°	1608.3
40°	1142.7
42.5°	800.6
45°	546.6
47.5°	384.4
50°	296.2
52.5°	232.8
55°	190.4
57.5°	155.1
60°	141.1
62.5°	137.5
65°	137.5
67.5°	144.6
70°	141.1
72.5°	130.5
75°	112.9
77.5°	95.3
80°	74.1
82.5°	52.9
85°	35.3
87.5°	14.1
90°	0.0



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— 0°-180°







(END OF REPORT)