

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: P583180

Luminaire Tested: **HC660D010-HM64560835-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560835-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5252.4 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

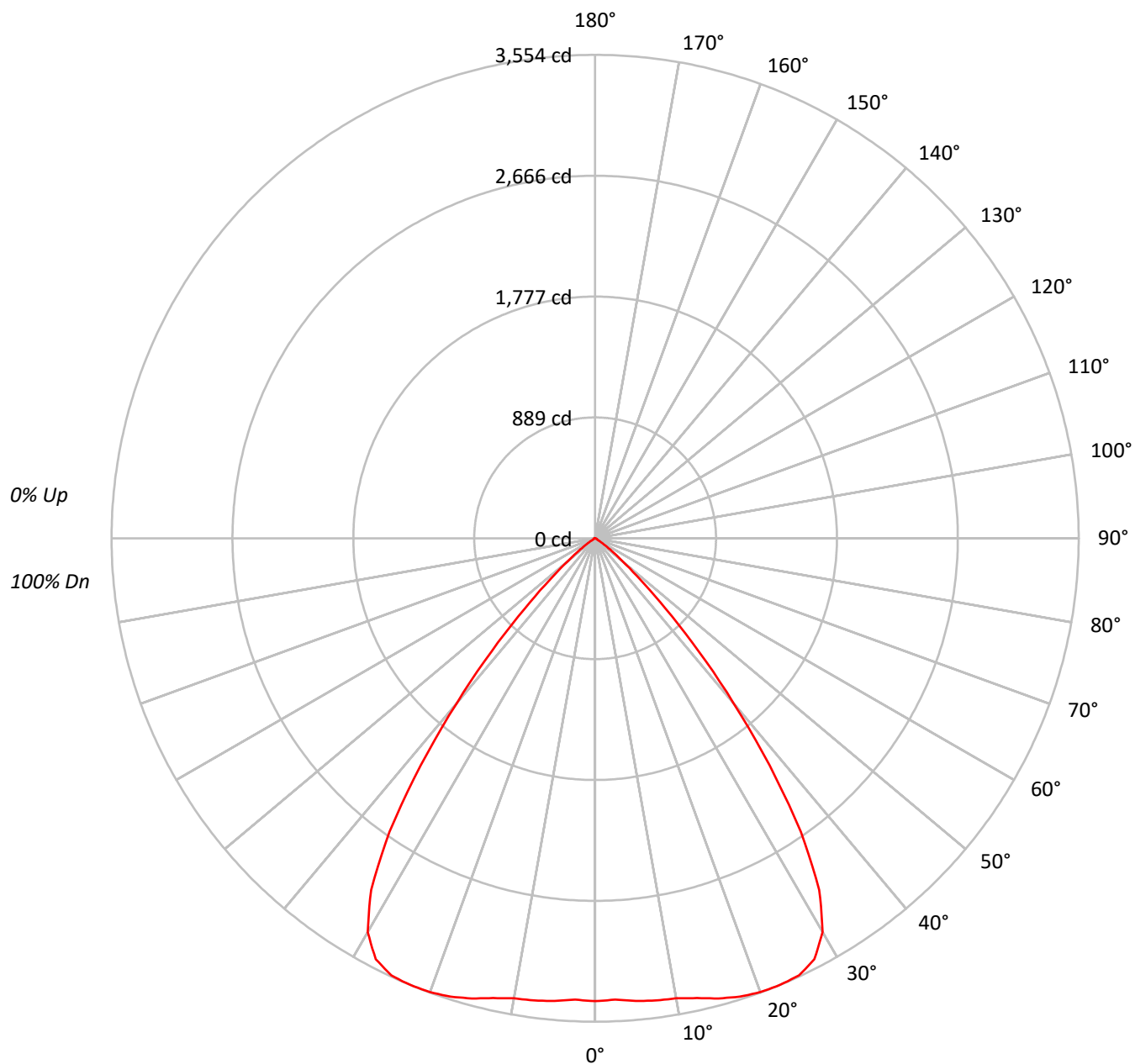
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		97
2	107	101	97	93	104	100	95	92	96	93	90		93	91	88		90
3	100	93	88	83	98	92	87	83	89	85	81		87	83	80		84
4	95	86	80	75	93	85	79	75	83	78	74		81	77	73		79
5	89	80	73	68	87	79	73	68	77	72	67		75	70	67		73
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	59	53	48	69	59	53	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	48	45		53	48	44		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	186531
5°	187898
10°	191184
15°	198758
20°	207096
25°	214482
30°	211615
35°	176309
40°	113062
45°	56463
50°	22396
55°	7608
60°	2182
65°	1557
70°	1282
75°	1694
80°	1263
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.5	6.2
10°-20°	993.3	18.9
20°-30°	1621.9	30.9
30°-40°	1589.9	30.3
40°-50°	609.6	11.6
50°-60°	89.4	1.7
60°-70°	13.3	0.3
70°-80°	6.9	0.1
80°-90°	1.6	0.0
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°	2941.7	56.0
0°-40°	4531.5	86.3
0°-60°	5230.6	99.6
0°-90°	5252.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5252.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3403	
5°	3414	327
15°	3502	993
25°	3546	1622
35°	2634	1590
45°	728	610
55°	80	89
65°	12	13
75°	8	7
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3402.6
2.5°	3394.6
5°	3414.5
7.5°	3426.5
10°	3434.5
12.5°	3462.3
15°	3502.1
17.5°	3533.9
20°	3549.9
22.5°	3553.8
25°	3545.9
27.5°	3490.1
30°	3343.0
32.5°	3064.4
35°	2634.5
37.5°	2105.2
40°	1579.9
42.5°	1126.3
45°	728.3
47.5°	445.7
50°	262.6
52.5°	151.3
55°	79.6
57.5°	35.8
60°	19.9
62.5°	16.0
65°	12.0
67.5°	12.0
70°	8.0
72.5°	8.0
75°	8.0
77.5°	4.0
80°	4.0
82.5°	4.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)