

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: P583190

Luminaire Tested: **HC660D010-HM64560840-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560840-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5871.6 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

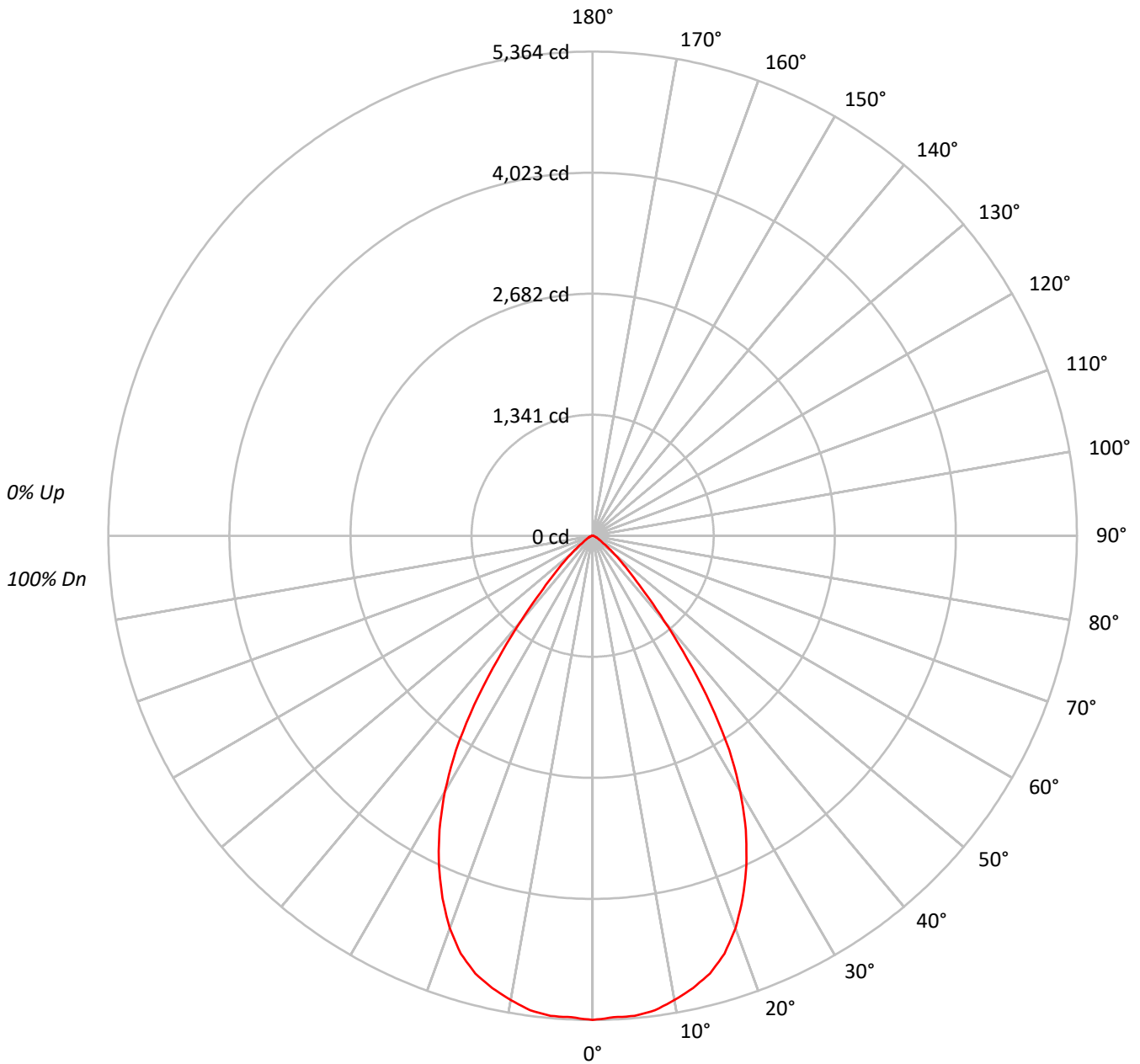
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583190

CATALOG NUMBER: HC660D010-HM64560840-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P583190

CATALOG NUMBER: HC660D010-HM64560840-61MDH

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			100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79			79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72			72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67			67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62			62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57			57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50			50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47			47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	294066
5°	293825
10°	290759
15°	284917
20°	269891
25°	243728
30°	207045
35°	152866
40°	88401
45°	46927
50°	26524
55°	13868
60°	9100
65°	6460
70°	4664
75°	3516
80°	2620
85°	2579



TEST NUMBER: P583190

CATALOG NUMBER: HC660D010-HM64560840-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.0	8.6
10°-20°	1404.1	23.9
20°-30°	1832.6	31.2
30°-40°	1400.5	23.9
40°-50°	507.1	8.6
50°-60°	147.3	2.5
60°-70°	52.7	0.9
70°-80°	18.0	0.3
80°-90°	3.4	0.1
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°	3742.7	63.7
0°-40°	5143.2	87.6
0°-60°	5797.5	98.7
0°-90°	5871.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5871.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5364	
5°	5339	506
15°	5020	1404
25°	4029	1833
35°	2284	1400
45°	605	507
55°	145	147
65°	50	53
75°	17	18
85°	4	3
90°	0	



TEST NUMBER: P583190

CATALOG NUMBER: HC660D010-HM64560840-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	5364.2
2.5°	5339.4
5°	5339.4
7.5°	5302.0
10°	5223.3
12.5°	5132.1
15°	5020.2
17.5°	4854.3
20°	4626.3
22.5°	4344.5
25°	4029.4
27.5°	3672.9
30°	3270.8
32.5°	2819.0
35°	2284.2
37.5°	1724.5
40°	1235.3
42.5°	853.9
45°	605.3
47.5°	435.3
50°	311.0
52.5°	219.7
55°	145.1
57.5°	103.7
60°	83.0
62.5°	66.3
65°	49.8
67.5°	41.5
70°	29.1
72.5°	20.7
75°	16.6
77.5°	12.4
80°	8.3
82.5°	4.1
85°	4.1
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)