

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: P583182

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560835-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5884.9 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

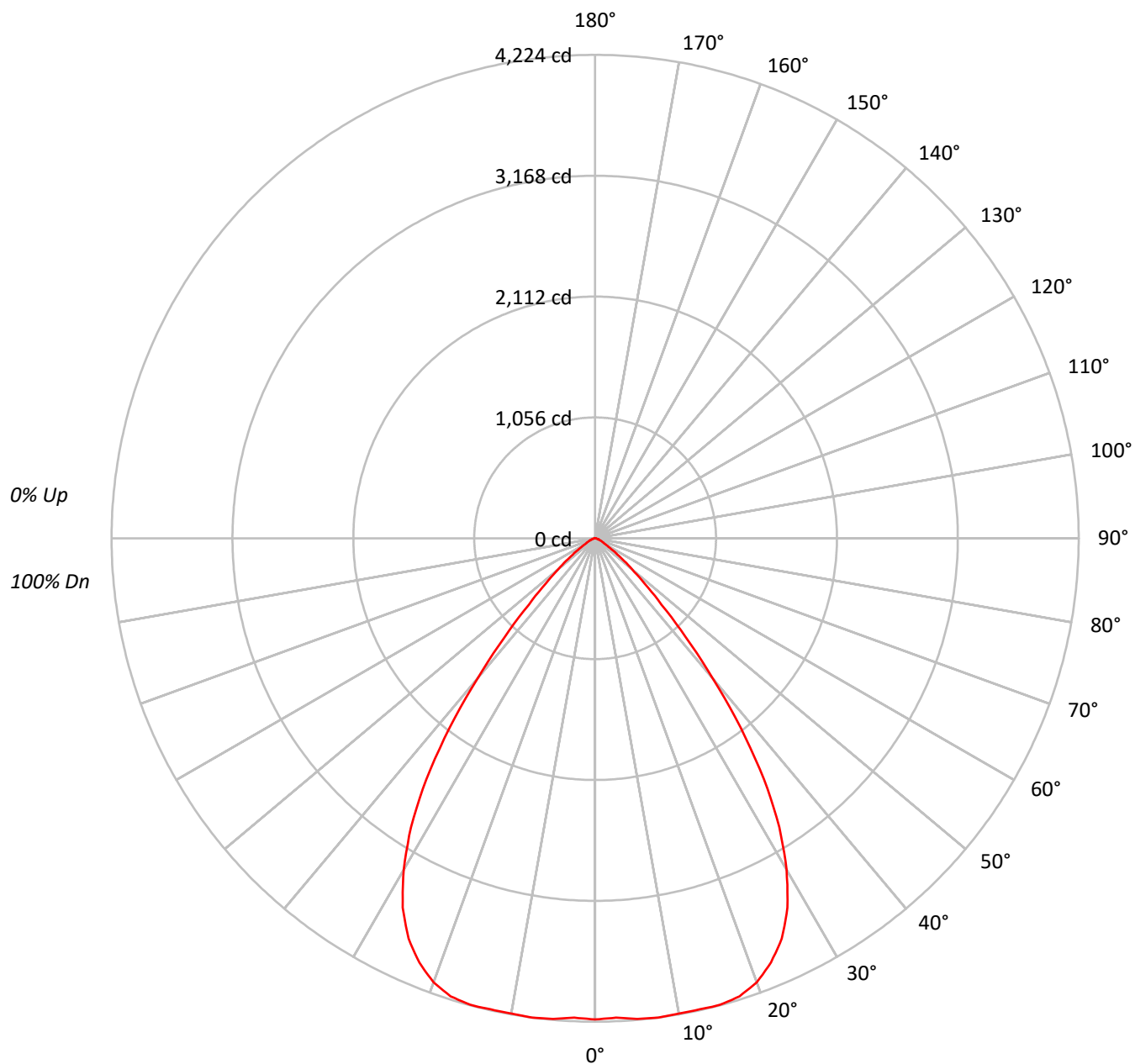
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	87	83	98	91	86	82	89	84	81		86	83	80		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	72		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	68	62	57	77	68	61	57	66	60	56		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	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230475
5°	232016
10°	234698
15°	239513
20°	240856
25°	233354
30°	211697
35°	172119
40°	114250
45°	63580
50°	35649
55°	19794
60°	10909
65°	8263
70°	5738
75°	4215
80°	2526
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.4	6.8
10°-20°	1189.9	20.2
20°-30°	1753.8	29.8
30°-40°	1568.7	26.7
40°-50°	680.5	11.6
50°-60°	199.9	3.4
60°-70°	63.8	1.1
70°-80°	22.5	0.4
80°-90°	3.3	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°	3346.2	56.9
0°-40°	4914.8	83.5
0°-60°	5795.3	98.5
0°-90°	5884.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5884.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4204	
5°	4216	402
15°	4220	1190
25°	3858	1754
35°	2572	1569
45°	820	681
55°	207	200
65°	64	64
75°	20	23
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4204.2
2.5°	4192.2
5°	4216.2
7.5°	4224.1
10°	4216.2
12.5°	4216.2
15°	4220.2
17.5°	4196.2
20°	4128.6
22.5°	4013.1
25°	3857.9
27.5°	3638.9
30°	3344.3
32.5°	2993.9
35°	2571.9
37.5°	2090.1
40°	1596.5
42.5°	1166.6
45°	820.1
47.5°	585.2
50°	418.0
52.5°	298.5
55°	207.1
57.5°	139.3
60°	99.5
62.5°	79.6
65°	63.7
67.5°	47.8
70°	35.8
72.5°	27.8
75°	19.9
77.5°	16.0
80°	8.0
82.5°	4.0
85°	4.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)