

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: P583146

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583146
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-HM64560827-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5215.3 lumens
Efficiency: N/A
Efficacy: 94.8 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

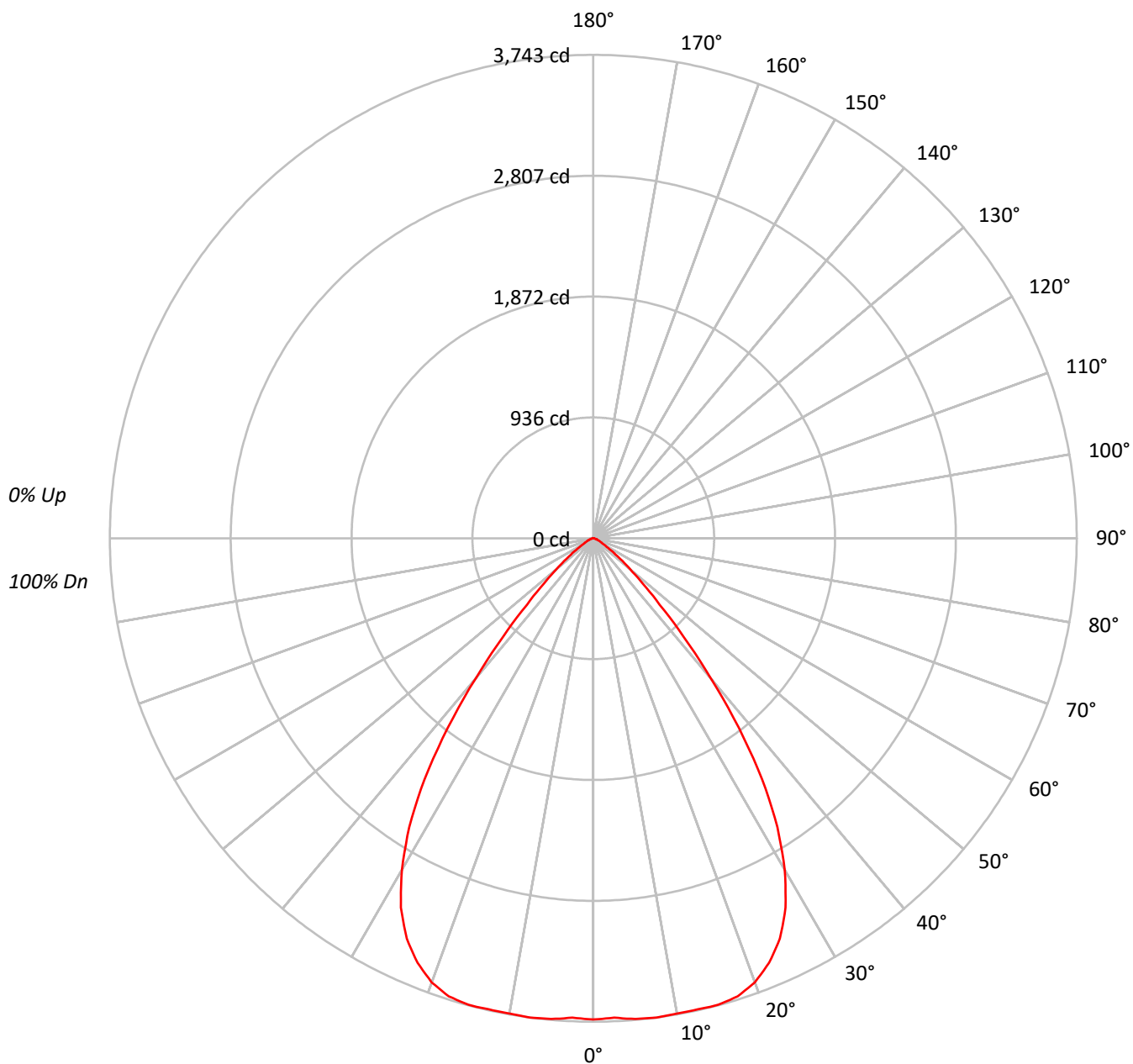
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	73		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°	204249
5°	205612
10°	207990
15°	212260
20°	213449
25°	206800
30°	187605
35°	152531
40°	101254
45°	56347
50°	31598
55°	17529
60°	9670
65°	7316
70°	5081
75°	3728
80°	2241
85°	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.6	6.8
10°-20°	1054.5	20.2
20°-30°	1554.3	29.8
30°-40°	1390.2	26.7
40°-50°	603.1	11.6
50°-60°	177.2	3.4
60°-70°	56.5	1.1
70°-80°	20.0	0.4
80°-90°	2.9	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°	2965.4	56.9
0°-40°	4355.6	83.5
0°-60°	5136.0	98.5
0°-90°	5215.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5215.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3726	
5°	3736	357
15°	3740	1055
25°	3419	1554
35°	2279	1390
45°	727	603
55°	183	177
65°	56	57
75°	18	20
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3725.8
2.5°	3715.3
5°	3736.4
7.5°	3743.4
10°	3736.4
12.5°	3736.4
15°	3740.0
17.5°	3718.8
20°	3658.8
22.5°	3556.5
25°	3418.9
27.5°	3224.9
30°	2963.7
32.5°	2653.3
35°	2279.2
37.5°	1852.4
40°	1414.9
42.5°	1033.8
45°	726.8
47.5°	518.7
50°	370.5
52.5°	264.6
55°	183.4
57.5°	123.5
60°	88.2
62.5°	70.5
65°	56.4
67.5°	42.4
70°	31.7
72.5°	24.7
75°	17.6
77.5°	14.1
80°	7.1
82.5°	3.5
85°	3.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)