

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: P583244

Luminaire Tested: **HC660D010-HM64560935-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583244
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-HM64560935-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5022.1 lumens
Efficiency: N/A
Efficacy: 91.3 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

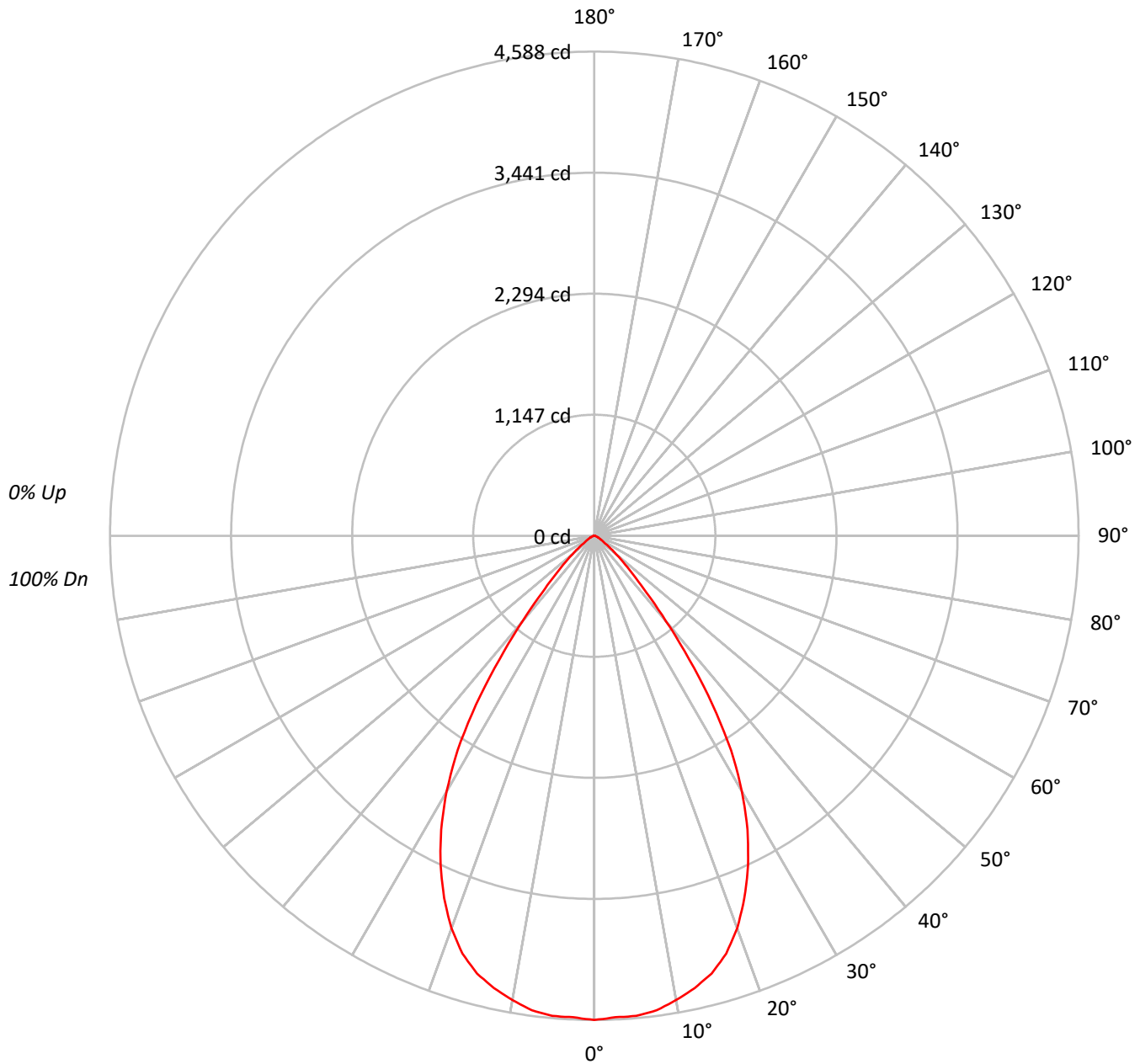
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	251526
5°	251315
10°	248693
15°	243690
20°	230845
25°	208464
30°	177091
35°	130748
40°	75620
45°	40136
50°	22677
55°	11861
60°	7773
65°	5526
70°	3975
75°	3008
80°	2241
85°	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.8	8.6
10°-20°	1201.0	23.9
20°-30°	1567.5	31.2
30°-40°	1197.9	23.9
40°-50°	433.7	8.6
50°-60°	125.9	2.5
60°-70°	45.1	0.9
70°-80°	15.4	0.3
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°	3201.2	63.7
0°-40°	4399.1	87.6
0°-60°	4958.7	98.7
0°-90°	5022.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5022.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4588	
5°	4567	433
15°	4294	1201
25°	3446	1567
35°	1954	1198
45°	518	434
55°	124	126
65°	43	45
75°	14	15
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4588.2
2.5°	4566.9
5°	4566.9
7.5°	4534.9
10°	4467.6
12.5°	4389.6
15°	4293.8
17.5°	4152.0
20°	3957.0
22.5°	3715.9
25°	3446.4
27.5°	3141.5
30°	2797.6
32.5°	2411.1
35°	1953.7
37.5°	1475.0
40°	1056.7
42.5°	730.4
45°	517.7
47.5°	372.3
50°	265.9
52.5°	188.0
55°	124.1
57.5°	88.6
60°	70.9
62.5°	56.8
65°	42.6
67.5°	35.5
70°	24.8
72.5°	17.7
75°	14.2
77.5°	10.6
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)