

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: P583136

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583136
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-HM64560827-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4996.6 lumens
Efficiency: N/A
Efficacy: 90.8 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

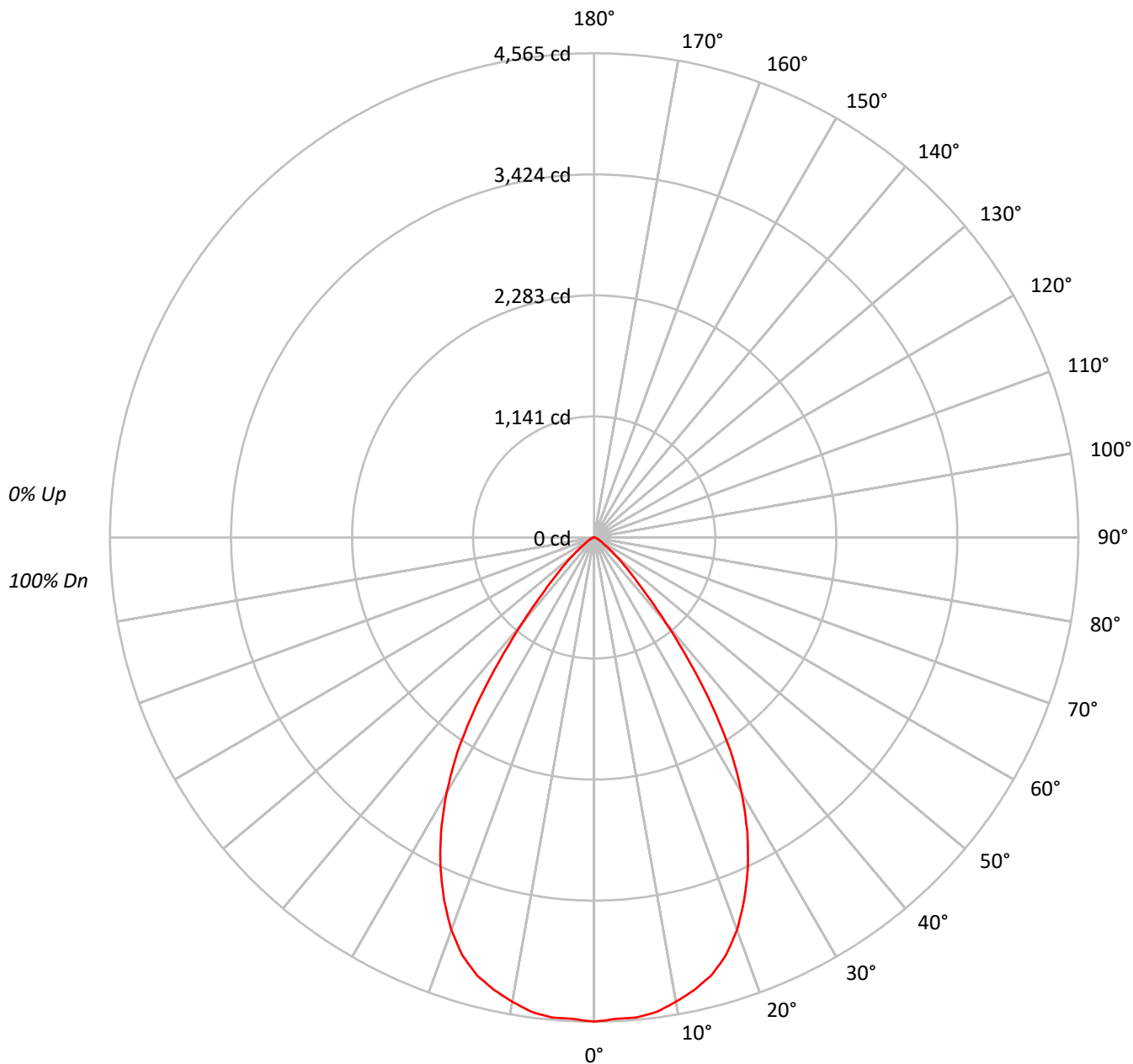
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	250254
5°	250043
10°	247440
15°	242465
20°	229684
25°	207411
30°	176198
35°	130092
40°	75234
45°	39927
50°	22566
55°	11794
60°	7730
65°	5500
70°	3959
75°	2987
80°	2241
85°	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.6	8.6
10°-20°	1194.9	23.9
20°-30°	1559.6	31.2
30°-40°	1191.8	23.9
40°-50°	431.5	8.6
50°-60°	125.3	2.5
60°-70°	44.8	0.9
70°-80°	15.3	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°	3185.1	63.7
0°-40°	4376.9	87.6
0°-60°	4933.7	98.7
0°-90°	4996.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4996.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4565	
5°	4544	431
15°	4272	1195
25°	3429	1560
35°	1944	1192
45°	515	431
55°	123	125
65°	42	45
75°	14	15
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4565.0
2.5°	4543.8
5°	4543.8
7.5°	4512.1
10°	4445.1
12.5°	4367.5
15°	4272.2
17.5°	4131.0
20°	3937.1
22.5°	3697.2
25°	3429.0
27.5°	3125.6
30°	2783.5
32.5°	2398.9
35°	1943.9
37.5°	1467.5
40°	1051.3
42.5°	726.7
45°	515.0
47.5°	370.4
50°	264.6
52.5°	187.0
55°	123.4
57.5°	88.2
60°	70.5
62.5°	56.4
65°	42.4
67.5°	35.3
70°	24.7
72.5°	17.6
75°	14.1
77.5°	10.5
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)