

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: P583213

Luminaire Tested: **HC660D010-HM64560927-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560927-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4151.8 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

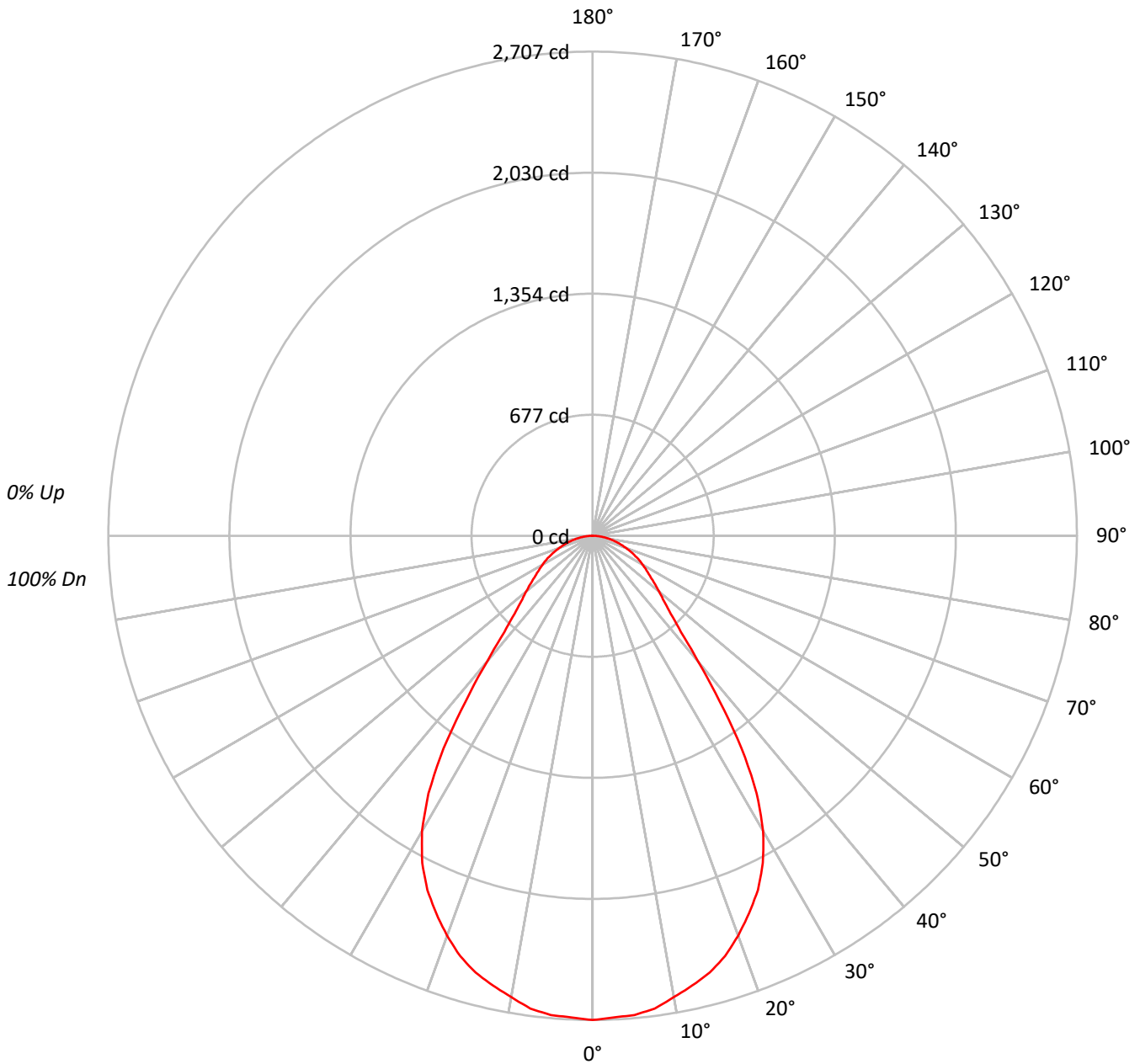
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148398
5°	147997
10°	145789
15°	143480
20°	138764
25°	132165
30°	120677
35°	97159
40°	65480
45°	47749
50°	41278
55°	37275
60°	35370
65°	33480
70°	31496
75°	29802
80°	27750
85°	25789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.5	6.1
10°-20°	709.9	17.1
20°-30°	997.5	24.0
30°-40°	887.9	21.4
40°-50°	496.2	12.0
50°-60°	353.5	8.5
60°-70°	257.2	6.2
70°-80°	148.8	3.6
80°-90°	46.2	1.1
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°	1961.9	47.3
0°-40°	2849.8	68.6
0°-60°	3699.5	89.1
0°-90°	4151.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4151.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2707	
5°	2689	255
15°	2528	710
25°	2185	997
35°	1452	888
45°	616	496
55°	390	354
65°	258	257
75°	141	149
85°	41	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2707.0
2.5°	2695.3
5°	2689.4
7.5°	2665.9
10°	2619.0
12.5°	2575.0
15°	2528.1
17.5°	2463.5
20°	2378.6
22.5°	2284.7
25°	2185.0
27.5°	2061.7
30°	1906.4
32.5°	1706.9
35°	1451.8
37.5°	1164.3
40°	915.0
42.5°	730.3
45°	615.9
47.5°	539.6
50°	484.0
52.5°	434.1
55°	390.0
57.5°	354.9
60°	322.6
62.5°	293.3
65°	258.1
67.5°	228.8
70°	196.5
72.5°	167.1
75°	140.7
77.5°	114.3
80°	87.9
82.5°	64.5
85°	41.0
87.5°	20.5
90°	0.0



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— 0°-180°







(END OF REPORT)