

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: P593422

Luminaire Tested: **HC660D010-HM64560850-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560850-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5639.4 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

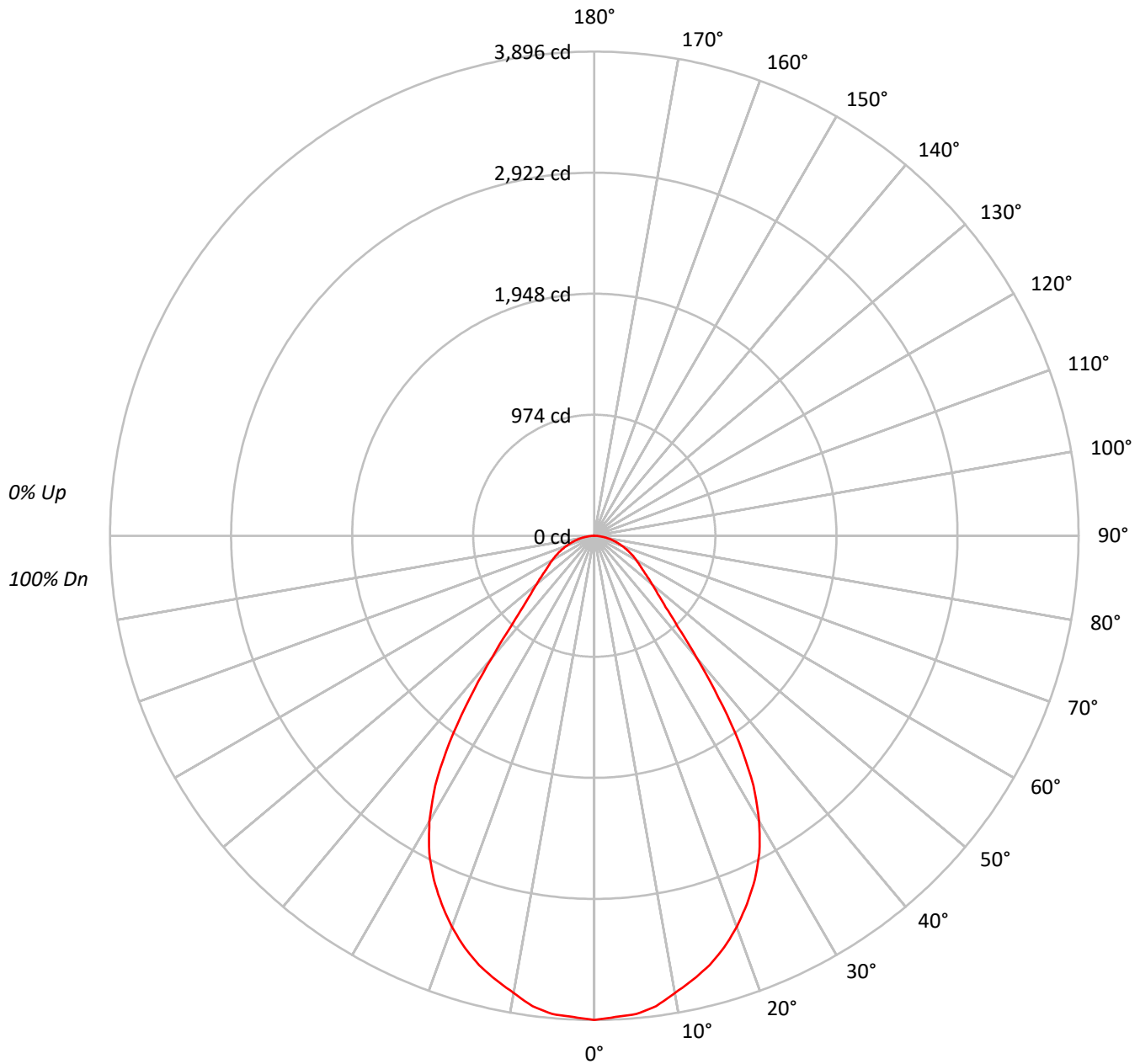
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	83		86	83	81
3	97	88	82	77		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	74	67	61		83	73	66	61		71	65	60		69	64	60		67	63	59
6	79	68	61	55		77	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	56	50		73	62	55	50		61	55	50		60	54	50		58	53	49
8	70	59	51	46		69	58	51	46		57	50	46		56	50	46		54	49	46
9	66	55	48	43		65	54	47	43		53	47	42		52	46	42		51	46	42
10	63	51	44	40		61	51	44	40		50	44	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213601
5°	212590
10°	207901
15°	203020
20°	195393
25°	184789
30°	167925
35°	135927
40°	91657
45°	62991
50°	51615
55°	45160
60°	42716
65°	40329
70°	37859
75°	35986
80°	32706
85°	28682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.7	6.5
10°-20°	1004.6	17.8
20°-30°	1395.7	24.7
30°-40°	1242.6	22.0
40°-50°	659.6	11.7
50°-60°	431.4	7.6
60°-70°	309.1	5.5
70°-80°	179.2	3.2
80°-90°	52.4	0.9
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°	2764.9	49.0
0°-40°	4007.6	71.1
0°-60°	5098.6	90.4
0°-90°	5639.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5639.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3896	
5°	3863	365
15°	3577	1005
25°	3055	1396
35°	2031	1243
45°	812	660
55°	472	431
65°	311	309
75°	170	179
85°	46	52
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3896.4
2.5°	3875.6
5°	3863.2
7.5°	3817.6
10°	3734.8
12.5°	3660.1
15°	3577.2
17.5°	3473.6
20°	3349.3
22.5°	3208.3
25°	3055.0
27.5°	2876.7
30°	2652.8
32.5°	2383.5
35°	2031.1
37.5°	1641.4
40°	1280.8
42.5°	994.8
45°	812.5
47.5°	692.2
50°	605.2
52.5°	534.8
55°	472.5
57.5°	427.0
60°	389.6
62.5°	352.3
65°	310.9
67.5°	273.6
70°	236.2
72.5°	203.1
75°	169.9
77.5°	136.7
80°	103.6
82.5°	74.6
85°	45.6
87.5°	20.7
90°	0.0



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— 0°-180°







(END OF REPORT)