

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: P583176

Luminaire Tested: **HC660D010-HM64560835-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583176
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-HM64560835-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5415.5 lumens
Efficiency: N/A
Efficacy: 98.5 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

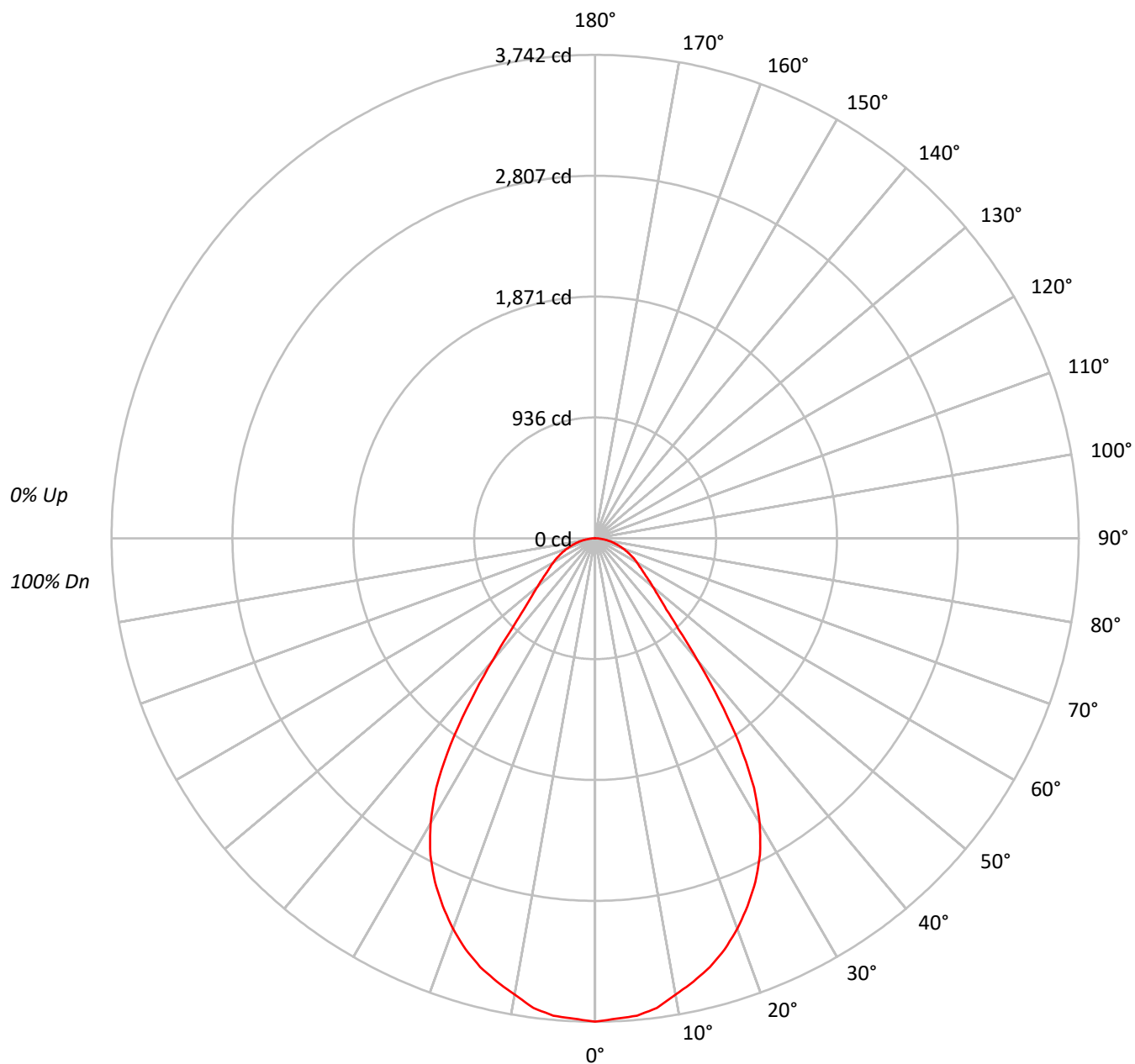
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	62	51	44	40		61	51	44	40		50	44	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	205110
5°	204143
10°	199640
15°	194956
20°	187628
25°	177440
30°	161259
35°	130527
40°	88022
45°	60487
50°	49559
55°	43372
60°	41027
65°	38720
70°	36368
75°	34567
80°	31412
85°	27550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.2	6.5
10°-20°	964.7	17.8
20°-30°	1340.2	24.7
30°-40°	1193.3	22.0
40°-50°	633.4	11.7
50°-60°	414.3	7.6
60°-70°	296.9	5.5
70°-80°	172.2	3.2
80°-90°	50.3	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°	2655.1	49.0
0°-40°	3848.4	71.1
0°-60°	4896.1	90.4
0°-90°	5415.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5415.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3742	
5°	3710	350
15°	3435	965
25°	2934	1340
35°	1950	1193
45°	780	633
55°	454	414
65°	298	297
75°	163	172
85°	44	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3741.5
2.5°	3721.7
5°	3709.7
7.5°	3665.9
10°	3586.4
12.5°	3514.8
15°	3435.1
17.5°	3335.5
20°	3216.2
22.5°	3080.8
25°	2933.5
27.5°	2762.4
30°	2547.5
32.5°	2288.8
35°	1950.4
37.5°	1576.2
40°	1230.0
42.5°	955.3
45°	780.2
47.5°	664.7
50°	581.1
52.5°	513.5
55°	453.8
57.5°	410.0
60°	374.2
62.5°	338.4
65°	298.5
67.5°	262.7
70°	226.9
72.5°	195.1
75°	163.2
77.5°	131.3
80°	99.5
82.5°	71.6
85°	43.8
87.5°	19.9
90°	0.0



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— 0°-180°







(END OF REPORT)