

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: P583245

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560935-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4894.5 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

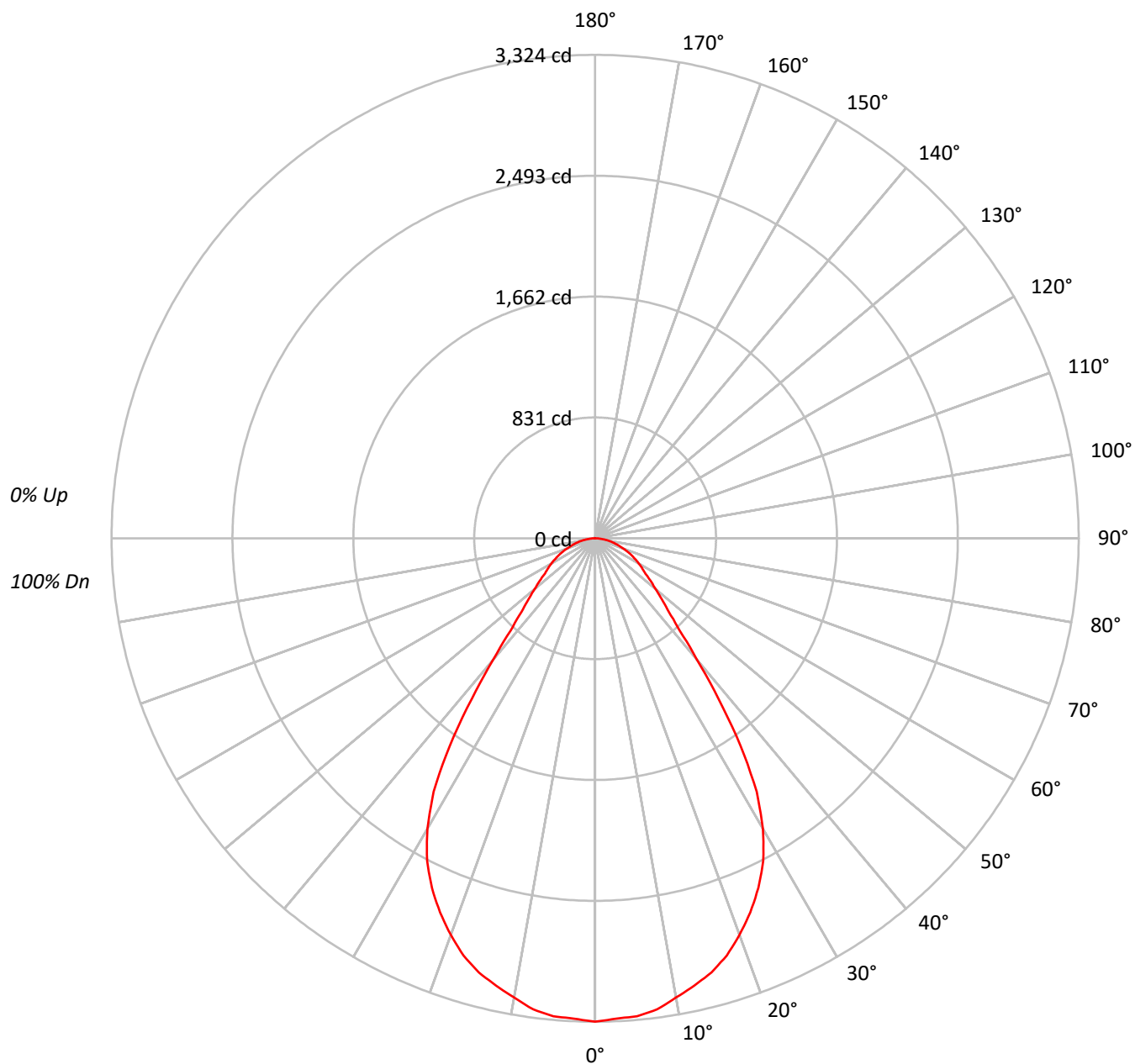
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82		86	83	81
3	97	88	82	76		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	80	73	68		88	79	73	67		77	71	67		75	70	66		73	68	65
5	84	74	66	61		82	73	66	61		71	65	60		69	64	59		67	63	59
6	79	68	61	55		77	67	60	55		65	59	55		64	58	54		62	58	54
7	74	63	55	50		73	62	55	50		61	54	50		59	54	50		58	53	49
8	70	58	51	46		69	58	51	46		57	50	46		55	50	46		54	49	45
9	66	54	47	43		65	54	47	42		53	47	42		52	46	42		51	46	42
10	62	51	44	39		61	50	44	39		49	43	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	182206
5°	181532
10°	178504
15°	175359
20°	169292
25°	160527
30°	146016
35°	116667
40°	77846
45°	55486
50°	46233
55°	40295
60°	38067
65°	35853
70°	32938
75°	30776
80°	27971
85°	24468



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.0	6.4
10°-20°	867.6	17.7
20°-30°	1212.3	24.8
30°-40°	1067.9	21.8
40°-50°	576.9	11.8
50°-60°	385.7	7.9
60°-70°	273.5	5.6
70°-80°	153.7	3.1
80°-90°	44.8	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°	2391.8	48.9
0°-40°	3459.8	70.7
0°-60°	4422.4	90.4
0°-90°	4894.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4894.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3324	
5°	3299	312
15°	3090	868
25°	2654	1212
35°	1743	1068
45°	716	577
55°	422	386
65°	276	273
75°	145	154
85°	39	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3323.7
2.5°	3305.9
5°	3298.8
7.5°	3266.9
10°	3206.7
12.5°	3150.0
15°	3089.8
17.5°	3008.3
20°	2901.9
22.5°	2785.0
25°	2653.9
27.5°	2501.6
30°	2306.7
32.5°	2065.7
35°	1743.3
37.5°	1392.6
40°	1087.8
42.5°	857.5
45°	715.7
47.5°	620.0
50°	542.1
52.5°	478.3
55°	421.6
57.5°	382.7
60°	347.2
62.5°	311.9
65°	276.4
67.5°	241.0
70°	205.5
72.5°	173.7
75°	145.3
77.5°	116.9
80°	88.6
82.5°	63.8
85°	38.9
87.5°	17.7
90°	0.0



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— 0°-180°







(END OF REPORT)