

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: P583173

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583173
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-HM64560835-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5495.0 lumens
Efficiency: N/A
Efficacy: 99.9 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

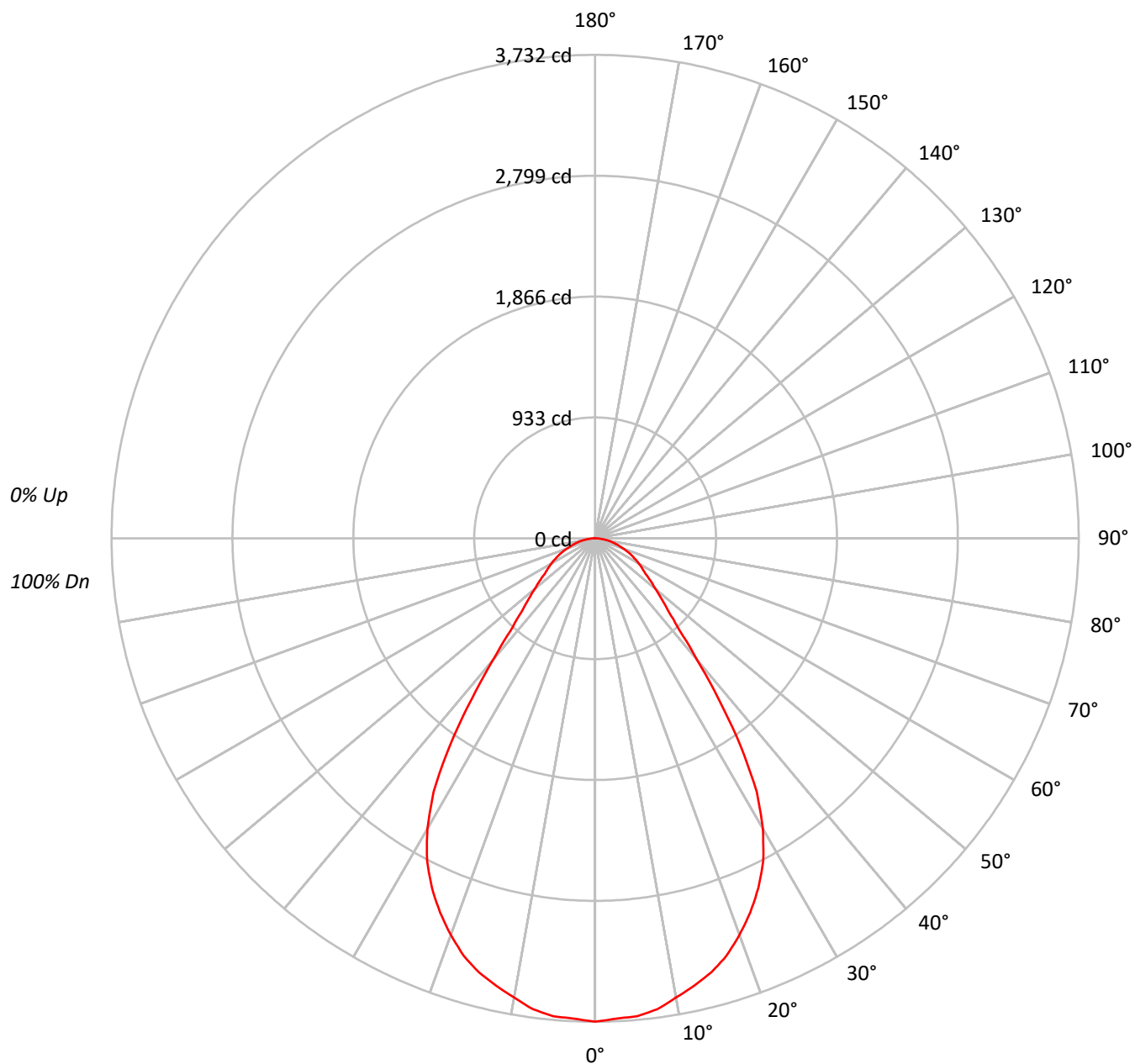
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	204561
5°	203808
10°	200403
15°	196868
20°	190067
25°	180228
30°	163930
35°	130982
40°	87392
45°	62301
50°	51904
55°	45246
60°	42738
65°	40251
70°	36977
75°	34546
80°	31412
85°	27550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.3	6.4
10°-20°	974.0	17.7
20°-30°	1361.1	24.8
30°-40°	1199.0	21.8
40°-50°	647.7	11.8
50°-60°	433.1	7.9
60°-70°	307.0	5.6
70°-80°	172.6	3.1
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°	2685.3	48.9
0°-40°	3884.3	70.7
0°-60°	4965.1	90.4
0°-90°	5495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5495.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3732	
5°	3704	350
15°	3469	974
25°	2980	1361
35°	1957	1199
45°	804	648
55°	473	433
65°	310	307
75°	163	173
85°	44	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3731.5
2.5°	3711.5
5°	3703.6
7.5°	3667.8
10°	3600.1
12.5°	3536.5
15°	3468.8
17.5°	3377.3
20°	3258.0
22.5°	3126.7
25°	2979.6
27.5°	2808.5
30°	2589.7
32.5°	2319.3
35°	1957.2
37.5°	1563.4
40°	1221.2
42.5°	962.7
45°	803.6
47.5°	696.1
50°	608.6
52.5°	537.1
55°	473.4
57.5°	429.6
60°	389.8
62.5°	350.1
65°	310.3
67.5°	270.5
70°	230.7
72.5°	195.0
75°	163.1
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)