

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: P583155

Luminaire Tested: **HC660D010-HM64560830-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583155
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-HM64560830-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5259.0 lumens
Efficiency: N/A
Efficacy: 95.6 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

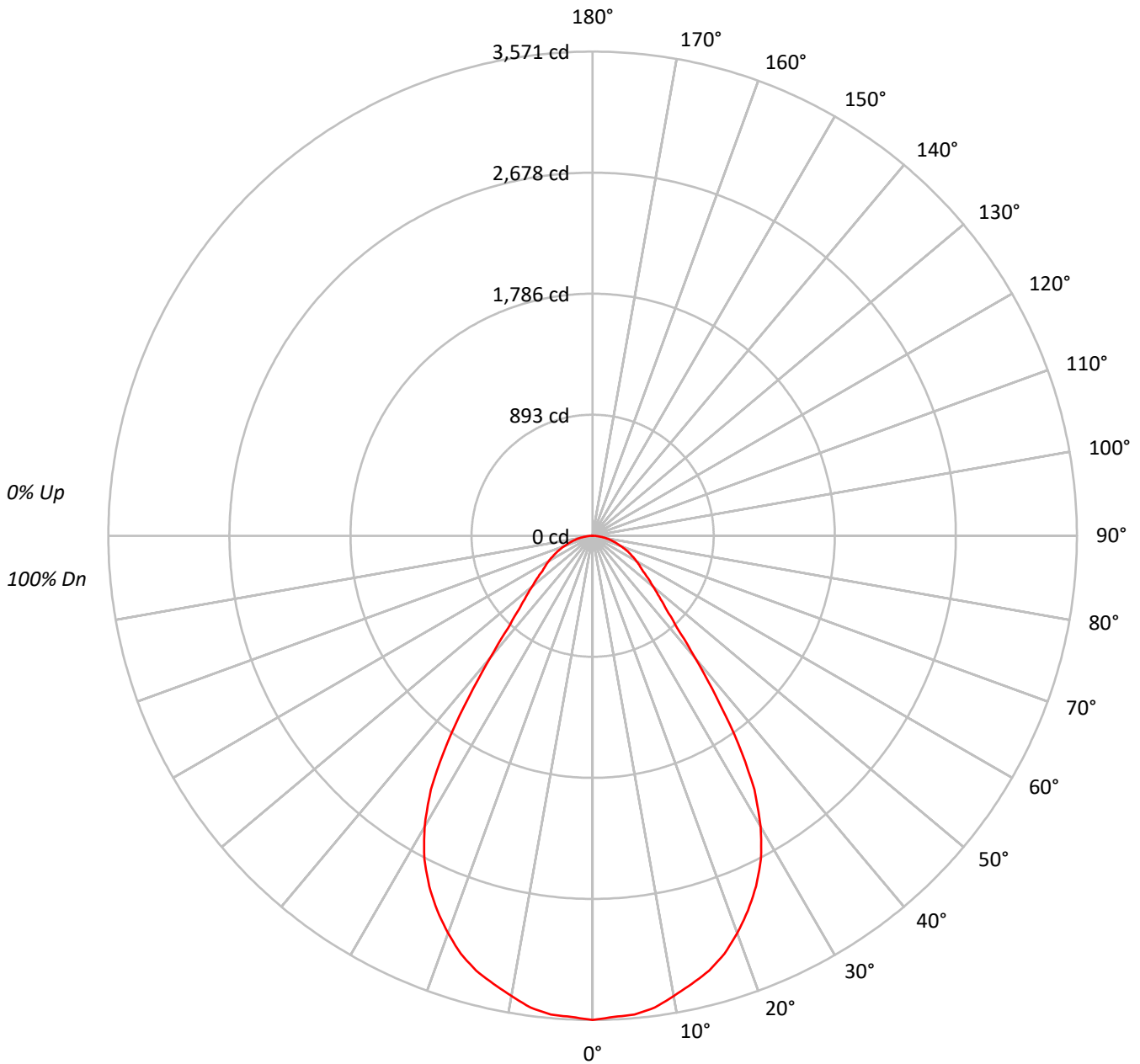
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	195774
5°	195052
10°	191802
15°	188418
20°	181905
25°	172486
30°	156891
35°	125354
40°	83642
45°	59626
50°	49670
55°	43296
60°	40907
65°	38526
70°	35391
75°	33063
80°	30054
85°	26355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.2	6.4
10°-20°	932.2	17.7
20°-30°	1302.6	24.8
30°-40°	1147.5	21.8
40°-50°	619.9	11.8
50°-60°	414.5	7.9
60°-70°	293.8	5.6
70°-80°	165.1	3.1
80°-90°	48.2	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°	2570.0	48.9
0°-40°	3717.5	70.7
0°-60°	4751.9	90.4
0°-90°	5259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5259.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3571	
5°	3544	335
15°	3320	932
25°	2852	1303
35°	1873	1147
45°	769	620
55°	453	414
65°	297	294
75°	156	165
85°	42	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3571.2
2.5°	3552.1
5°	3544.5
7.5°	3510.2
10°	3445.6
12.5°	3384.6
15°	3319.9
17.5°	3232.3
20°	3118.1
22.5°	2992.4
25°	2851.6
27.5°	2687.9
30°	2478.5
32.5°	2219.6
35°	1873.1
37.5°	1496.3
40°	1168.8
42.5°	921.4
45°	769.1
47.5°	666.3
50°	582.4
52.5°	514.0
55°	453.0
57.5°	411.2
60°	373.1
62.5°	335.0
65°	297.0
67.5°	258.8
70°	220.8
72.5°	186.5
75°	156.1
77.5°	125.6
80°	95.2
82.5°	68.5
85°	41.9
87.5°	19.1
90°	0.0



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— 0°-180°







(END OF REPORT)