

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: P583158

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583158
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-HM64560830-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5182.8 lumens
Efficiency: N/A
Efficacy: 94.2 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

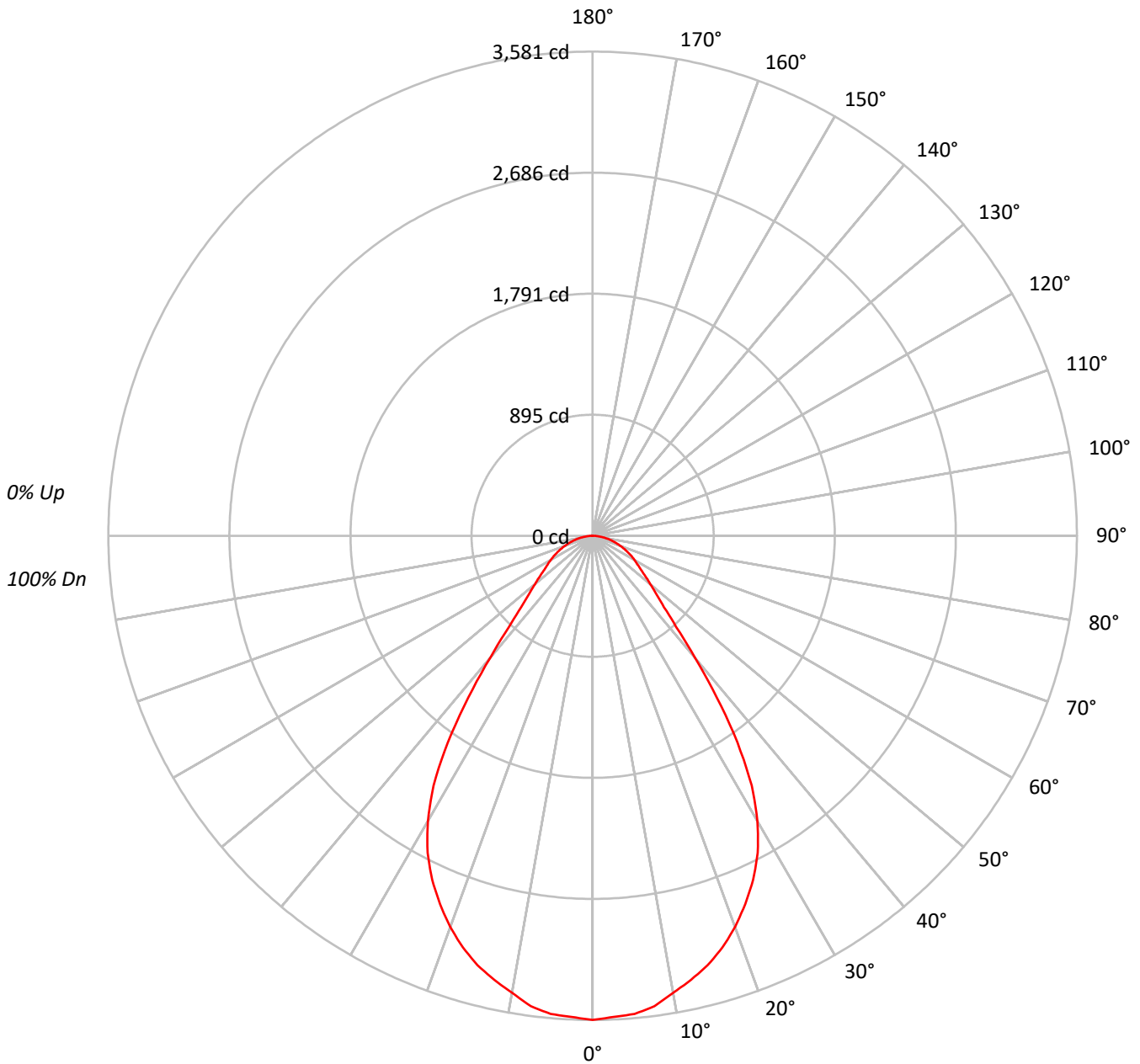
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	196306
5°	195377
10°	191067
15°	186579
20°	179566
25°	169818
30°	154328
35°	124925
40°	84236
45°	57890
50°	47436
55°	41509
60°	39262
65°	37060
70°	34798
75°	33063
80°	30086
85°	26355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.2	6.5
10°-20°	923.2	17.8
20°-30°	1282.6	24.7
30°-40°	1142.0	22.0
40°-50°	606.2	11.7
50°-60°	396.5	7.6
60°-70°	284.1	5.5
70°-80°	164.7	3.2
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°	2541.0	49.0
0°-40°	3683.1	71.1
0°-60°	4685.8	90.4
0°-90°	5182.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5182.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3581	
5°	3550	335
15°	3288	923
25°	2808	1283
35°	1867	1142
45°	747	606
55°	434	396
65°	286	284
75°	156	165
85°	42	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3580.9
2.5°	3561.9
5°	3550.4
7.5°	3508.5
10°	3432.4
12.5°	3363.7
15°	3287.5
17.5°	3192.4
20°	3078.0
22.5°	2948.5
25°	2807.5
27.5°	2643.7
30°	2438.0
32.5°	2190.4
35°	1866.7
37.5°	1508.6
40°	1177.1
42.5°	914.3
45°	746.7
47.5°	636.2
50°	556.2
52.5°	491.4
55°	434.3
57.5°	392.4
60°	358.1
62.5°	323.8
65°	285.7
67.5°	251.4
70°	217.1
72.5°	186.6
75°	156.1
77.5°	125.8
80°	95.3
82.5°	68.5
85°	41.9
87.5°	19.1
90°	0.0



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— 0°-180°







(END OF REPORT)