

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: P583154

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560830-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5396.1 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

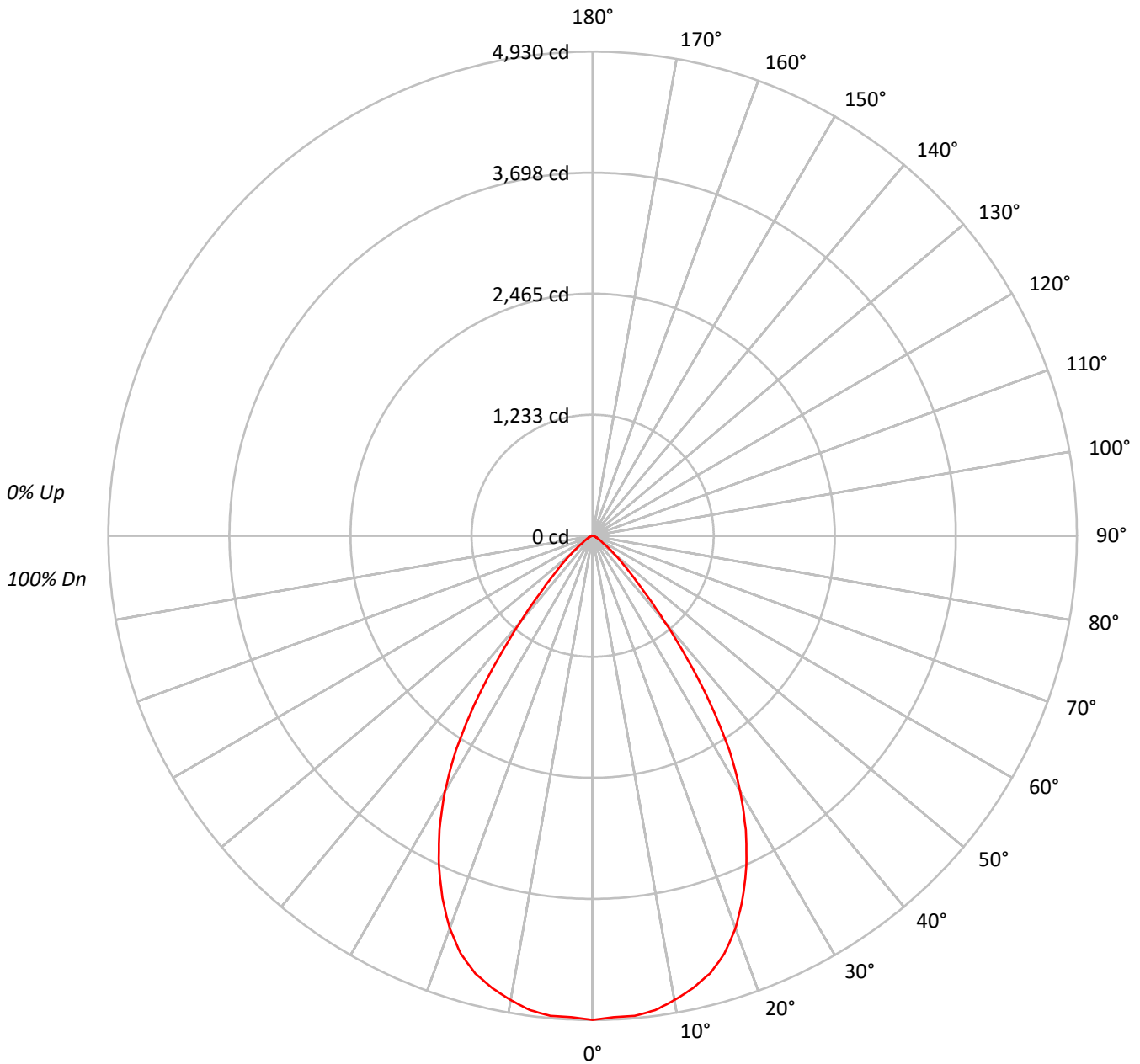
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	72	72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	67	67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	62	62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	57	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	270252
5°	270030
10°	267213
15°	261846
20°	248037
25°	223991
30°	190276
35°	140485
40°	81245
45°	43129
50°	24374
55°	12740
60°	8355
65°	5928
70°	4264
75°	3219
80°	2431
85°	2390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.0	8.6
10°-20°	1290.4	23.9
20°-30°	1684.2	31.2
30°-40°	1287.0	23.9
40°-50°	466.0	8.6
50°-60°	135.3	2.5
60°-70°	48.4	0.9
70°-80°	16.6	0.3
80°-90°	3.1	0.1
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°	3439.7	63.7
0°-40°	4726.7	87.6
0°-60°	5328.0	98.7
0°-90°	5396.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5396.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4930	
5°	4907	465
15°	4614	1290
25°	3703	1684
35°	2099	1287
45°	556	466
55°	133	135
65°	46	48
75°	15	17
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4929.8
2.5°	4907.0
5°	4907.0
7.5°	4872.7
10°	4800.3
12.5°	4716.5
15°	4613.7
17.5°	4461.3
20°	4251.7
22.5°	3992.6
25°	3703.1
27.5°	3375.5
30°	3005.9
32.5°	2590.6
35°	2099.2
37.5°	1584.9
40°	1135.3
42.5°	784.8
45°	556.3
47.5°	400.0
50°	285.8
52.5°	201.9
55°	133.3
57.5°	95.3
60°	76.2
62.5°	61.0
65°	45.7
67.5°	38.1
70°	26.6
72.5°	19.1
75°	15.2
77.5°	11.4
80°	7.7
82.5°	3.8
85°	3.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)