

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: P583172

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583172
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-HM64560835-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5638.3 lumens
Efficiency: N/A
Efficacy: 102.5 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

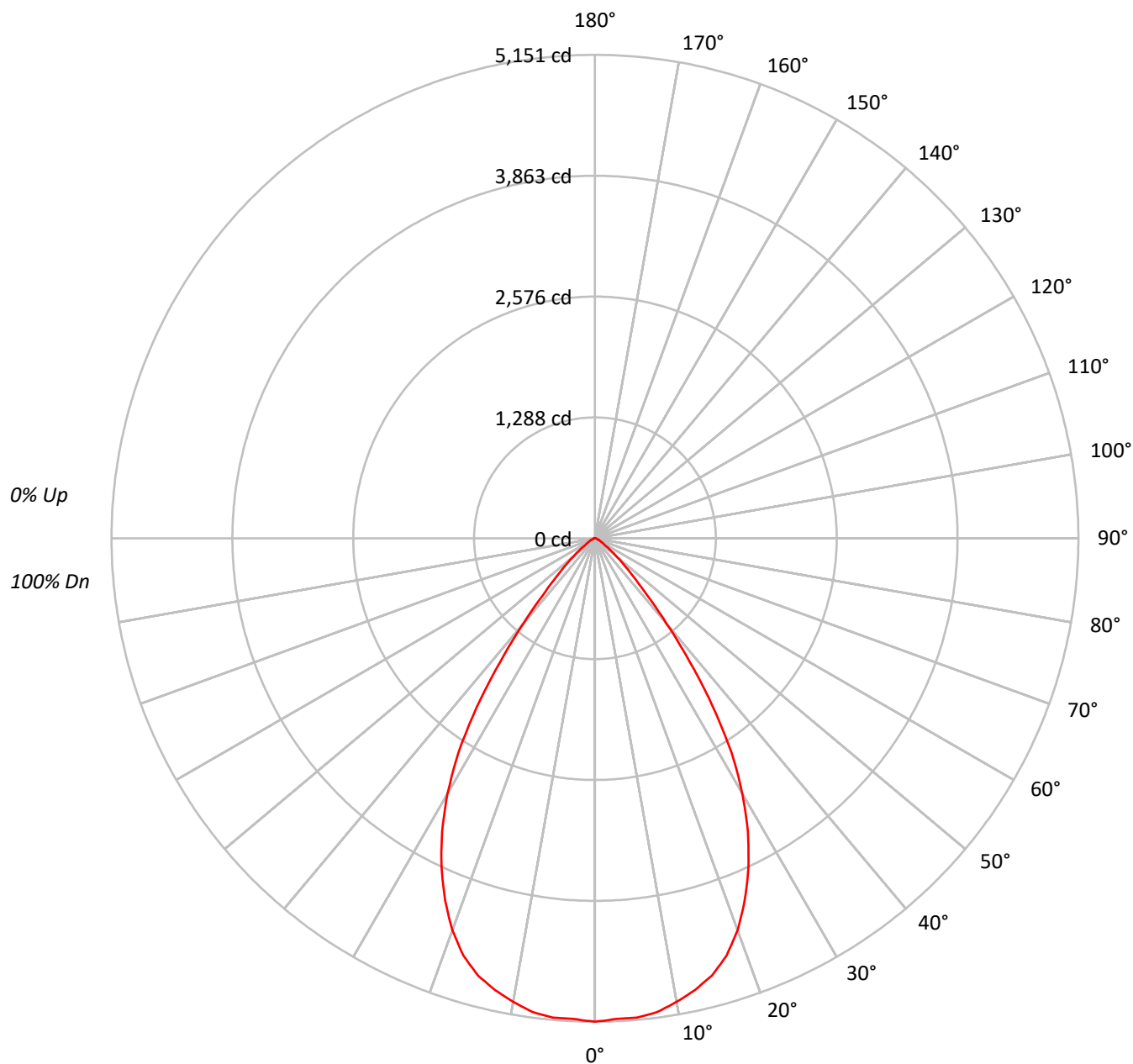
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79		
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72		
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67		
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62		
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57		
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50		
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	282384
5°	282148
10°	279209
15°	273594
20°	259168
25°	234044
30°	198815
35°	146789
40°	84895
45°	45059
50°	25458
55°	13314
60°	8727
65°	6200
70°	4456
75°	3389
80°	2526
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.9	8.6
10°-20°	1348.3	23.9
20°-30°	1759.8	31.2
30°-40°	1344.8	23.9
40°-50°	486.9	8.6
50°-60°	141.4	2.5
60°-70°	50.6	0.9
70°-80°	17.3	0.3
80°-90°	3.3	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°	3594.0	63.7
0°-40°	4938.9	87.6
0°-60°	5567.1	98.7
0°-90°	5638.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5638.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5151	
5°	5127	486
15°	4821	1348
25°	3869	1760
35°	2193	1345
45°	581	487
55°	139	141
65°	48	51
75°	16	17
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5151.1
2.5°	5127.2
5°	5127.2
7.5°	5091.4
10°	5015.8
12.5°	4928.2
15°	4820.7
17.5°	4661.5
20°	4442.5
22.5°	4171.8
25°	3869.3
27.5°	3527.0
30°	3140.8
32.5°	2707.0
35°	2193.4
37.5°	1656.0
40°	1186.3
42.5°	820.0
45°	581.2
47.5°	418.0
50°	298.5
52.5°	210.9
55°	139.3
57.5°	99.5
60°	79.6
62.5°	63.7
65°	47.8
67.5°	39.8
70°	27.8
72.5°	19.9
75°	16.0
77.5°	12.0
80°	8.0
82.5°	4.0
85°	4.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)