

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: P582866

Luminaire Tested: **HC605D010-HM60525830-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582866
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: HC605D010-HM60525830-61MDH
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: 676.5 lumens
Efficiency: N/A
Efficacy: 112.8 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

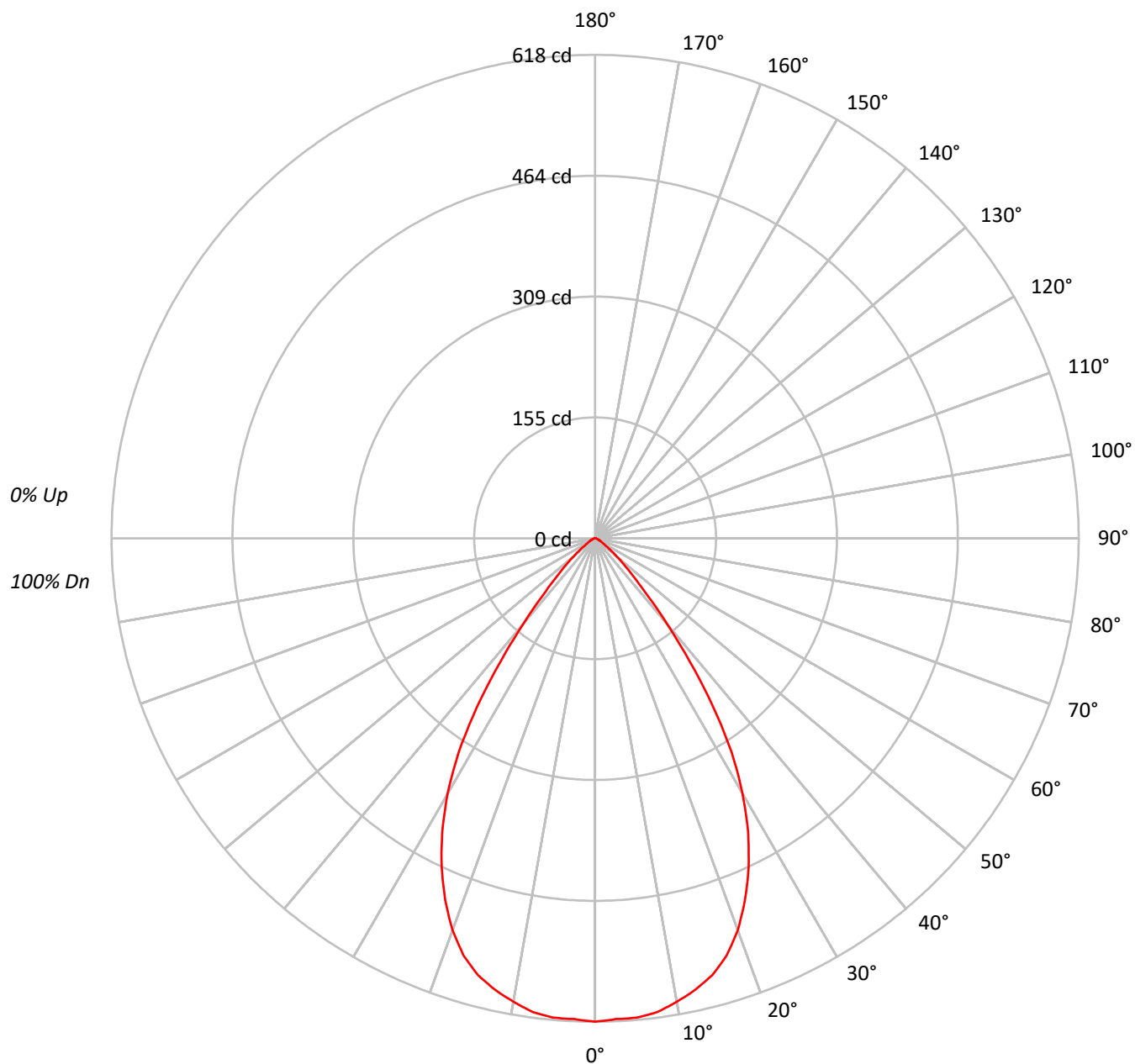
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	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	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	62	56	52	71	62	56	52	61	56	52	60	55	51	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°	33879
5°	33854
10°	33494
15°	32821
20°	31094
25°	28078
30°	23858
35°	17614
40°	10191
45°	5404
50°	3053
55°	1596
60°	1053
65°	752
70°	545
75°	402
80°	284
85°	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	8.6
10°-20°	161.7	23.9
20°-30°	211.1	31.2
30°-40°	161.4	23.9
40°-50°	58.4	8.6
50°-60°	17.0	2.5
60°-70°	6.1	0.9
70°-80°	2.1	0.3
80°-90°	0.4	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°	431.2	63.7
0°-40°	592.6	87.6
0°-60°	668.0	98.7
0°-90°	676.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	618	
5°	615	58
15°	578	162
25°	464	211
35°	263	161
45°	70	58
55°	17	17
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	618.0
2.5°	615.2
5°	615.2
7.5°	610.9
10°	601.7
12.5°	591.2
15°	578.3
17.5°	559.2
20°	533.0
22.5°	500.5
25°	464.2
27.5°	423.2
30°	376.9
32.5°	324.8
35°	263.2
37.5°	198.7
40°	142.4
42.5°	98.4
45°	69.7
47.5°	50.2
50°	35.8
52.5°	25.3
55°	16.7
57.5°	12.0
60°	9.6
62.5°	7.7
65°	5.8
67.5°	4.7
70°	3.4
72.5°	2.4
75°	1.9
77.5°	1.5
80°	0.9
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)