

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: P582025

Luminaire Tested: **HC625D010-HM60525835-61PSMDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582025  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HC625D010-HM60525835-61PSMDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2568.3 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

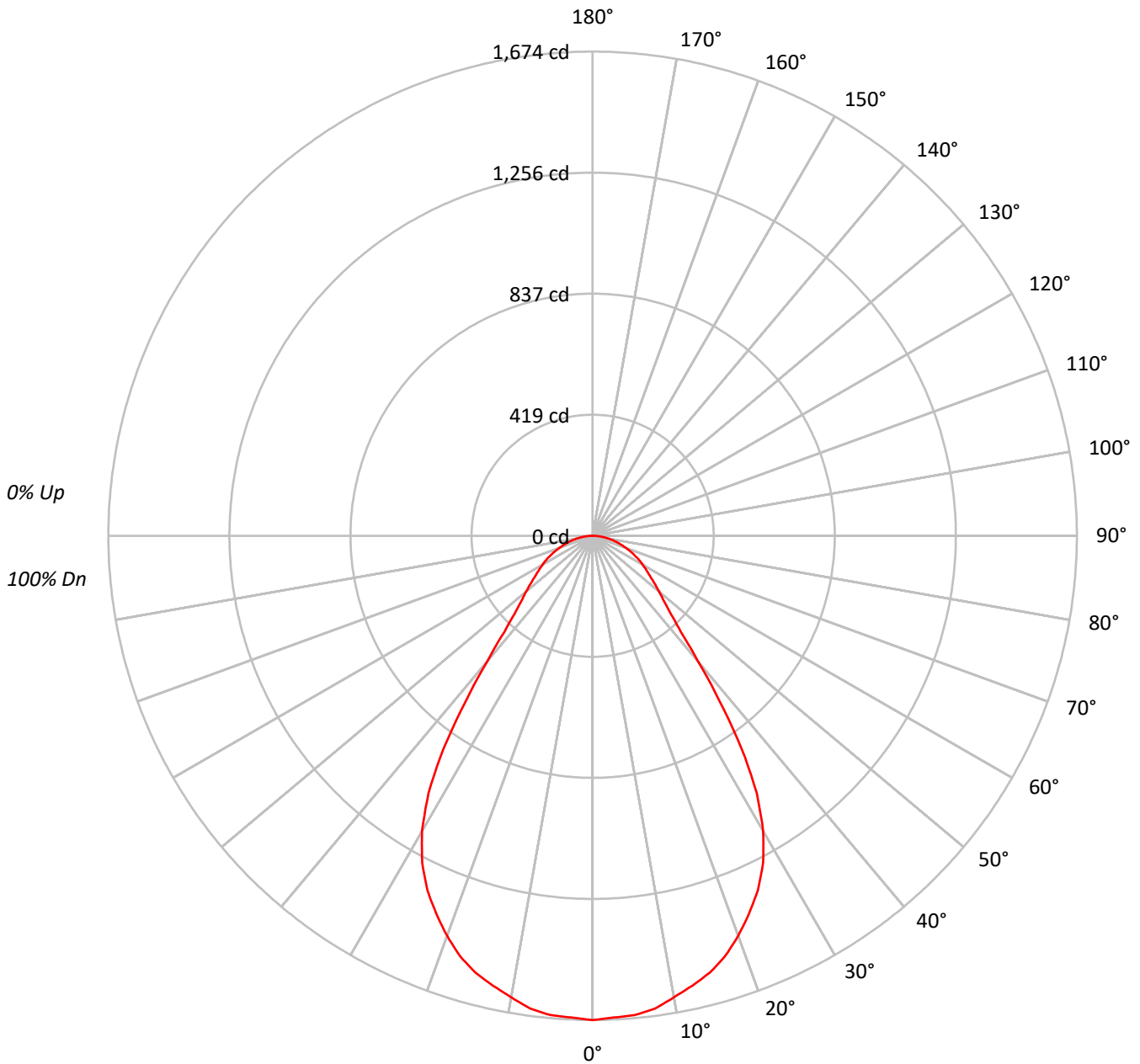
Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78				78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69				69
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62				62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56				56
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51				51
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46				46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43				43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36				36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	91796
5°	91547
10°	90184
15°	88758
20°	85839
25°	81755
30°	74644
35°	60097
40°	40512
45°	29538
50°	25526
55°	23063
60°	21884
65°	20703
70°	19474
75°	18449
80°	17174
85°	15976



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.5	6.1
10°-20°	439.2	17.1
20°-30°	617.0	24.0
30°-40°	549.2	21.4
40°-50°	306.9	12.0
50°-60°	218.7	8.5
60°-70°	159.1	6.2
70°-80°	92.1	3.6
80°-90°	28.7	1.1
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°	1213.6	47.3
0°-40°	1762.9	68.6
0°-60°	2288.5	89.1
0°-90°	2568.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2568.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1674	
5°	1664	157
15°	1564	439
25°	1352	617
35°	898	549
45°	381	307
55°	241	219
65°	160	159
75°	87	92
85°	25	29
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1674.5
2.5°	1667.2
5°	1663.6
7.5°	1649.2
10°	1620.1
12.5°	1592.9
15°	1563.9
17.5°	1524.0
20°	1471.4
22.5°	1413.3
25°	1351.6
27.5°	1275.4
30°	1179.2
32.5°	1055.9
35°	898.0
37.5°	720.2
40°	566.1
42.5°	451.7
45°	381.0
47.5°	333.8
50°	299.3
52.5°	268.5
55°	241.3
57.5°	219.5
60°	199.6
62.5°	181.4
65°	159.6
67.5°	141.5
70°	121.5
72.5°	103.4
75°	87.1
77.5°	70.8
80°	54.4
82.5°	40.0
85°	25.4
87.5°	12.7
90°	0.0



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— 0°-180°







(END OF REPORT)