

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: P582068

Luminaire Tested: **HC625D010-HM60525927-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582068  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HC625D010-HM60525927-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2204.9 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

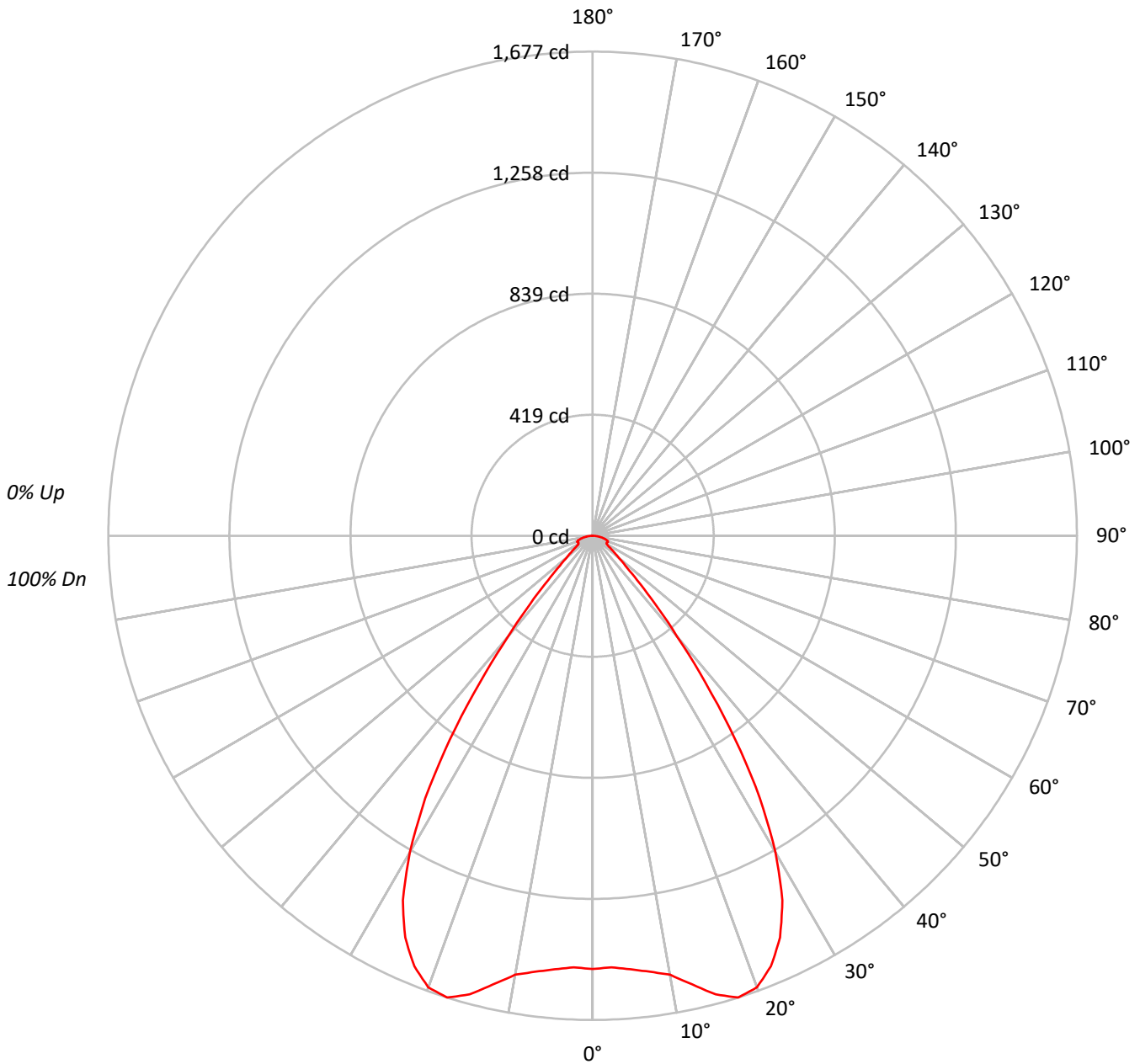
Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20			
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43		

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

	0°
0°	82241
5°	82941
10°	85926
15°	93338
20°	97087
25°	92860
30°	80139
35°	57701
40°	32504
45°	16847
50°	10047
55°	7235
60°	6151
65°	7082
70°	8992
75°	9510
80°	9281
85°	8806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.0	6.6
10°-20°	463.8	21.0
20°-30°	693.3	31.4
30°-40°	530.0	24.0
40°-50°	185.1	8.4
50°-60°	70.5	3.2
60°-70°	55.3	2.5
70°-80°	46.8	2.1
80°-90°	15.1	0.7
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°	1302.2	59.1
0°-40°	1832.1	83.1
0°-60°	2087.8	94.7
0°-90°	2204.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2204.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1500	
5°	1507	145
15°	1645	464
25°	1535	693
35°	862	530
45°	217	185
55°	76	71
65°	55	55
75°	45	47
85°	14	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1500.2
2.5°	1496.0
5°	1507.2
7.5°	1522.6
10°	1543.6
12.5°	1591.3
15°	1644.6
17.5°	1676.8
20°	1664.2
22.5°	1613.7
25°	1535.2
27.5°	1423.0
30°	1266.0
32.5°	1078.2
35°	862.2
37.5°	639.3
40°	454.2
42.5°	318.3
45°	217.3
47.5°	152.9
50°	117.8
52.5°	92.5
55°	75.7
57.5°	61.6
60°	56.1
62.5°	54.6
65°	54.6
67.5°	57.5
70°	56.1
72.5°	51.9
75°	44.9
77.5°	37.8
80°	29.4
82.5°	21.1
85°	14.0
87.5°	5.6
90°	0.0



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— 0°-180°







(END OF REPORT)