

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: P583292

Luminaire Tested: **HC607D010-HM60525827-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583292  
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: HC607D010-HM60525827-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 924.2 lumens  
Efficiency: N/A  
Efficacy: 115.5 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

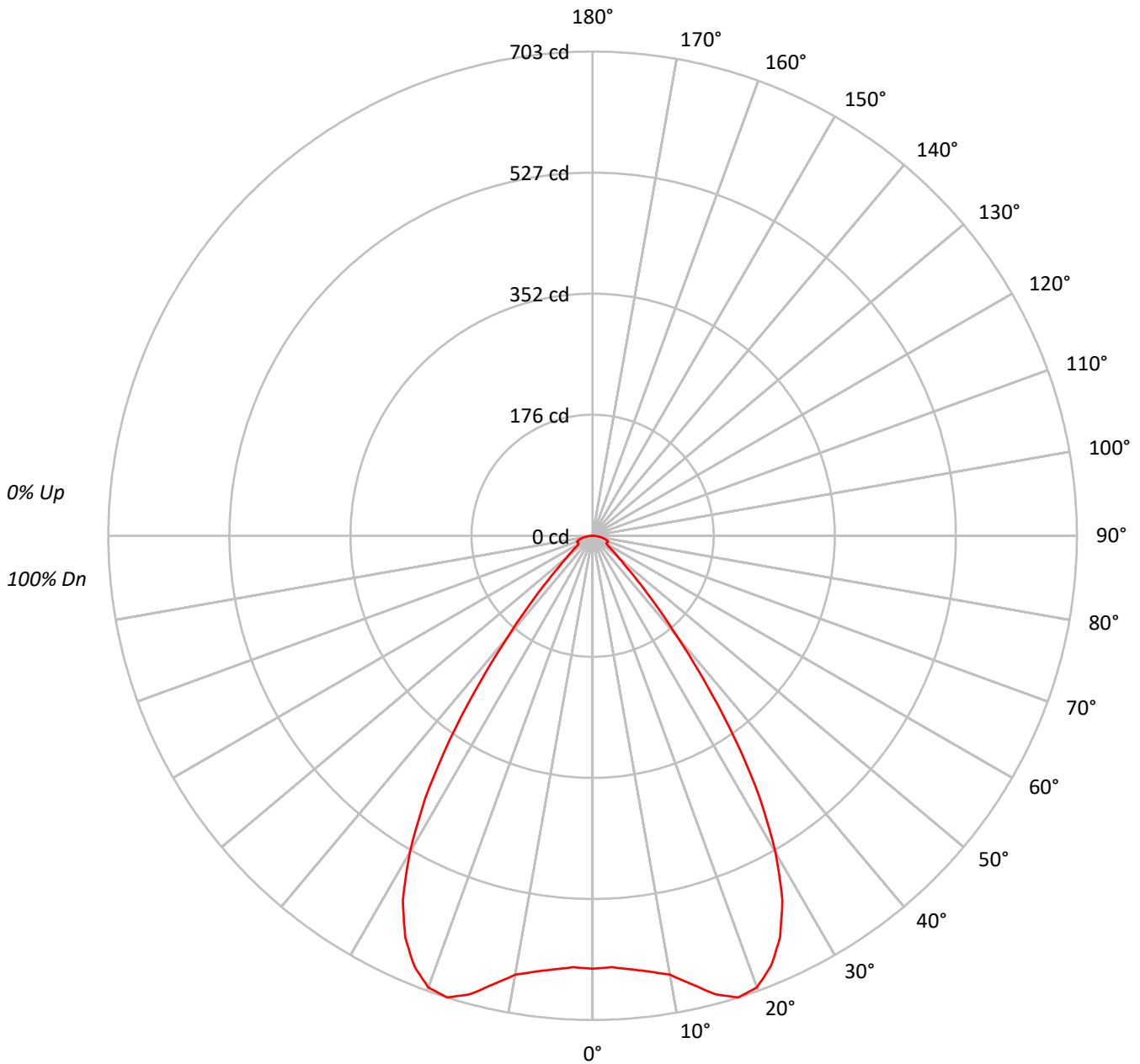
Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
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°	34471
5°	34768
10°	36021
15°	39121
20°	40697
25°	38918
30°	33594
35°	24186
40°	13618
45°	7063
50°	4213
55°	3030
60°	2577
65°	2970
70°	3767
75°	3982
80°	3883
85°	3711



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.8	6.6
10°-20°	194.4	21.0
20°-30°	290.6	31.4
30°-40°	222.1	24.0
40°-50°	77.6	8.4
50°-60°	29.5	3.2
60°-70°	23.2	2.5
70°-80°	19.6	2.1
80°-90°	6.3	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°	545.8	59.1
0°-40°	768.0	83.1
0°-60°	875.1	94.7
0°-90°	924.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	629	
5°	632	61
15°	689	194
25°	643	291
35°	361	222
45°	91	78
55°	32	30
65°	23	23
75°	19	20
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	628.8
2.5°	627.0
5°	631.8
7.5°	638.2
10°	647.1
12.5°	667.0
15°	689.3
17.5°	702.8
20°	697.6
22.5°	676.4
25°	643.4
27.5°	596.5
30°	530.7
32.5°	452.0
35°	361.4
37.5°	268.0
40°	190.3
42.5°	133.4
45°	91.1
47.5°	64.0
50°	49.4
52.5°	38.7
55°	31.7
57.5°	25.8
60°	23.5
62.5°	22.9
65°	22.9
67.5°	24.1
70°	23.5
72.5°	21.8
75°	18.8
77.5°	15.9
80°	12.3
82.5°	8.8
85°	5.9
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)