

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: P583375

Luminaire Tested: **HC607D010-HM60525930-61PSMDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583375  
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: HC607D010-HM60525930-61PSMDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 767.1 lumens  
Efficiency: N/A  
Efficacy: 95.9 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

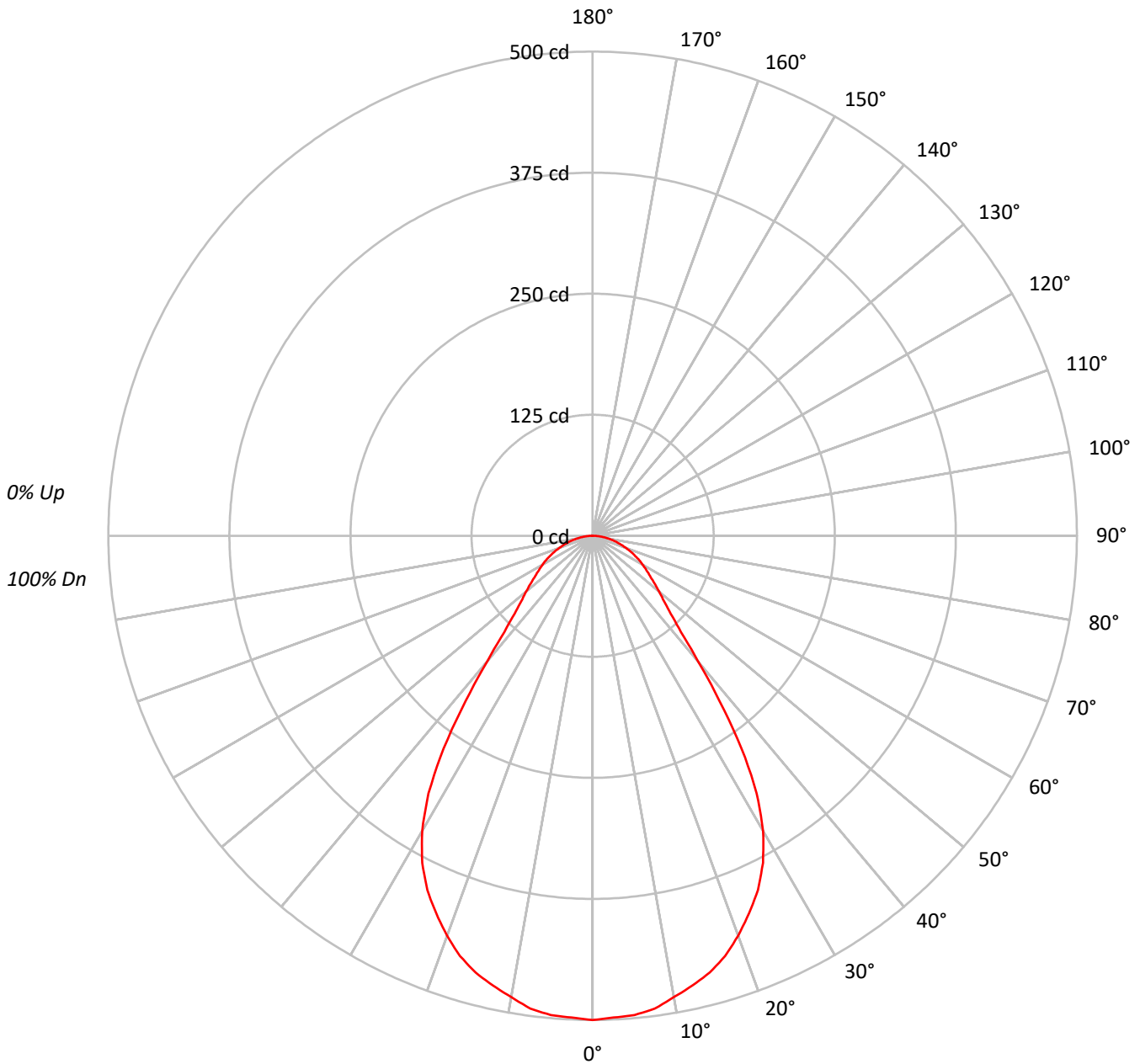
Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

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

	0°
0°	27416
5°	27339
10°	26931
15°	26504
20°	25634
25°	24419
30°	22288
35°	17949
40°	12094
45°	8823
50°	7624
55°	6891
60°	6535
65°	6187
70°	5818
75°	5528
80°	5114
85°	4780



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.0	6.1
10°-20°	131.1	17.1
20°-30°	184.3	24.0
30°-40°	164.0	21.4
40°-50°	91.7	12.0
50°-60°	65.3	8.5
60°-70°	47.5	6.2
70°-80°	27.5	3.6
80°-90°	8.5	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°	362.4	47.2
0°-40°	526.5	68.6
0°-60°	683.5	89.1
0°-90°	767.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	500	
5°	497	47
15°	467	131
25°	404	184
35°	268	164
45°	114	92
55°	72	65
65°	48	48
75°	26	28
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	500.1
2.5°	498.0
5°	496.8
7.5°	492.5
10°	483.8
12.5°	475.7
15°	467.0
17.5°	455.1
20°	439.4
22.5°	422.0
25°	403.7
27.5°	380.9
30°	352.1
32.5°	315.3
35°	268.2
37.5°	215.2
40°	169.0
42.5°	134.9
45°	113.8
47.5°	99.7
50°	89.4
52.5°	80.2
55°	72.1
57.5°	65.6
60°	59.6
62.5°	54.2
65°	47.7
67.5°	42.3
70°	36.3
72.5°	30.9
75°	26.1
77.5°	21.2
80°	16.2
82.5°	11.9
85°	7.6
87.5°	3.7
90°	0.0



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— 0°-180°







(END OF REPORT)