

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: P581768

Luminaire Tested: **HC615D010-HM60525927-61MDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581768  
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: HC615D010-HM60525927-61MDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1186.5 lumens  
Efficiency: N/A  
Efficacy: 84.8 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

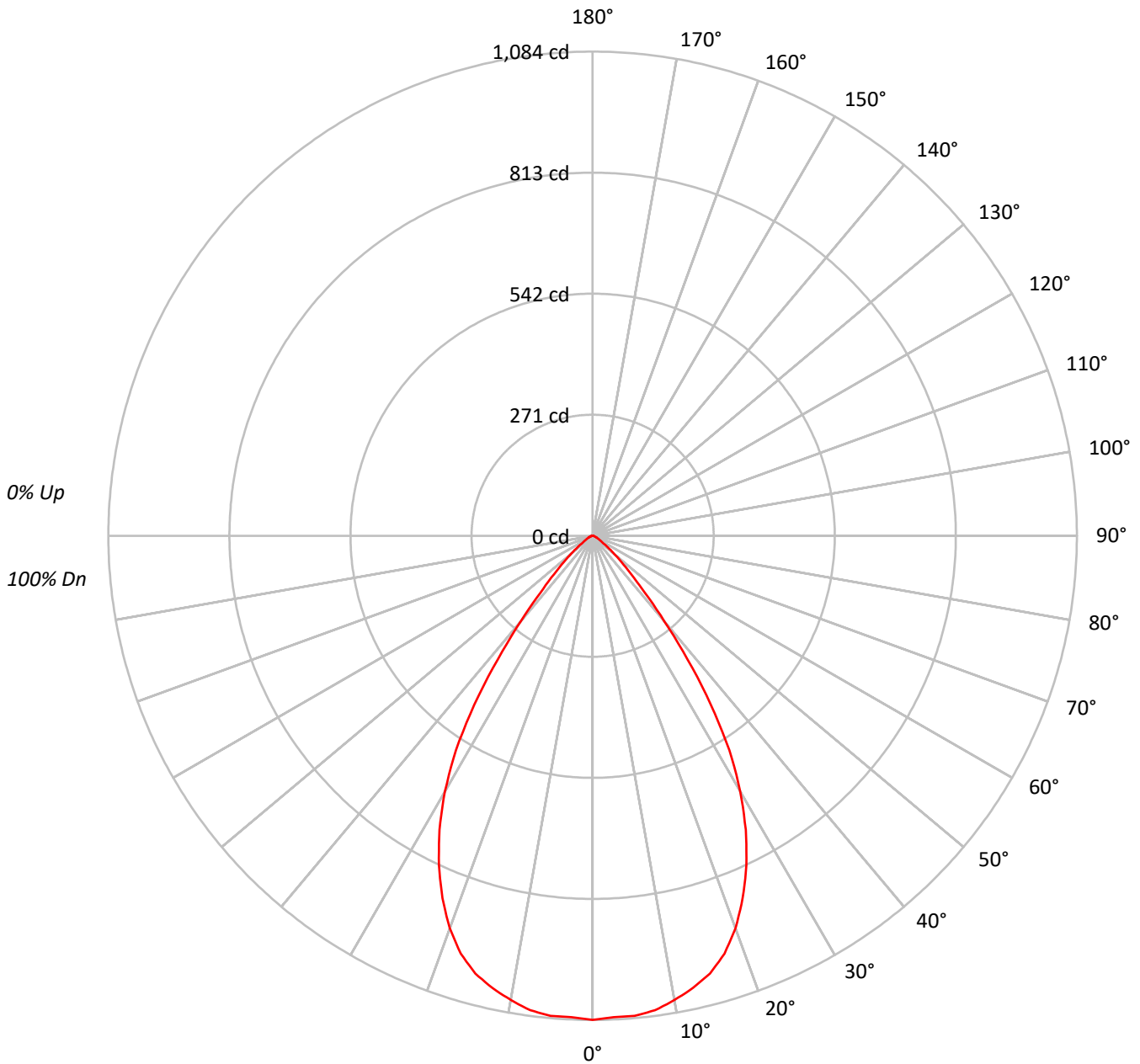
Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P581768

CATALOG NUMBER: HC615D010-HM60525927-61MDH

### Luminous Intensity Polar Plot





TEST NUMBER: P581768

CATALOG NUMBER: HC615D010-HM60525927-61MDH

**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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	72	72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	67	67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	62	62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	57	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	51	59	55	51	50	50	50	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

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

	0°
0°	59420
5°	59371
10°	58750
15°	57577
20°	54541
25°	49249
30°	41836
35°	30892
40°	17862
45°	9489
50°	5364
55°	2800
60°	1842
65°	1310
70°	946
75°	720
80°	537
85°	503



TEST NUMBER: P581768

CATALOG NUMBER: HC615D010-HM60525927-61MDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.2	8.6
10°-20°	283.7	23.9
20°-30°	370.3	31.2
30°-40°	283.0	23.8
40°-50°	102.5	8.6
50°-60°	29.8	2.5
60°-70°	10.7	0.9
70°-80°	3.7	0.3
80°-90°	0.7	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°	756.3	63.7
0°-40°	1039.3	87.6
0°-60°	1171.6	98.7
0°-90°	1186.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1186.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1084	
5°	1079	102
15°	1014	284
25°	814	370
35°	462	283
45°	122	102
55°	29	30
65°	10	11
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P581768

CATALOG NUMBER: HC615D010-HM60525927-61MDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1083.9
2.5°	1078.9
5°	1078.9
7.5°	1071.4
10°	1055.4
12.5°	1037.0
15°	1014.5
17.5°	981.0
20°	934.9
22.5°	877.9
25°	814.2
27.5°	742.2
30°	660.9
32.5°	569.7
35°	461.6
37.5°	348.4
40°	249.6
42.5°	172.5
45°	122.4
47.5°	88.0
50°	62.9
52.5°	44.4
55°	29.3
57.5°	21.0
60°	16.8
62.5°	13.4
65°	10.1
67.5°	8.4
70°	5.9
72.5°	4.2
75°	3.4
77.5°	2.5
80°	1.7
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P







— 0°-180°







(END OF REPORT)