

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: P581766

Luminaire Tested: **HC6R15D010-HM60525840-62RMDC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581766  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HC6R15D010-HM60525840-62RMDC  
Description: HALO COMMERCIAL 6" ROUND, RETROFIT FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1762.5 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 0.96  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

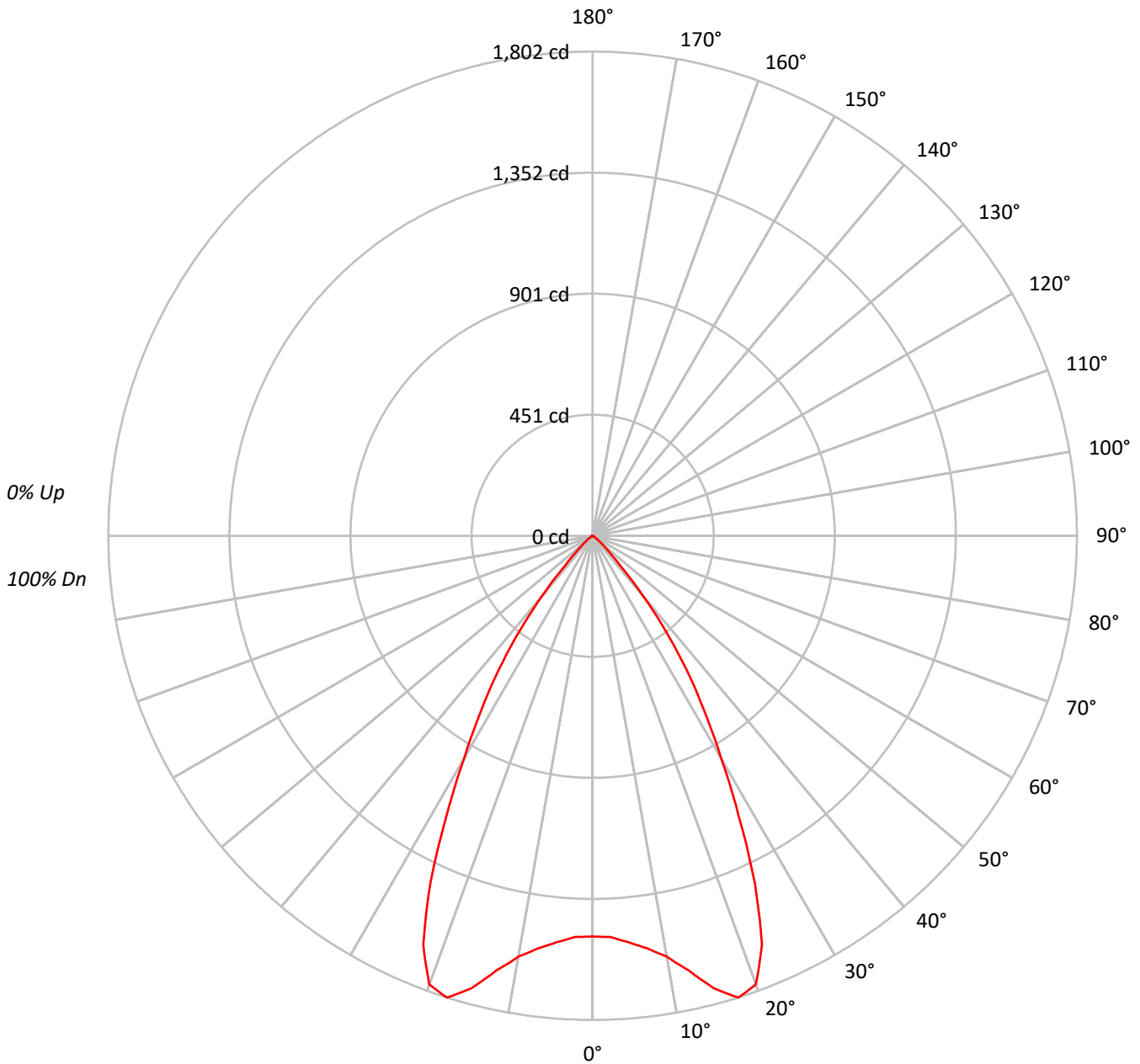
Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	91	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			
10	72	62	56	52	71	61	56	52	60	55	52	60	55	52	59	55	51	50			

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

	0°
0°	81753
5°	83540
10°	88553
15°	98979
20°	103638
25°	86412
30°	60471
35°	40729
40°	20975
45°	7288
50°	3241
55°	1070
60°	482
65°	441
70°	369
75°	233
80°	347
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.1	8.3
10°-20°	491.4	27.9
20°-30°	638.7	36.2
30°-40°	377.2	21.4
40°-50°	90.0	5.1
50°-60°	13.3	0.8
60°-70°	3.3	0.2
70°-80°	1.3	0.1
80°-90°	0.1	0.0
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°	1277.2	72.5
0°-40°	1654.4	93.9
0°-60°	1757.7	99.7
0°-90°	1762.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1762.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1491	
5°	1518	147
15°	1744	491
25°	1429	639
35°	609	377
45°	94	90
55°	11	13
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1491.3
2.5°	1494.6
5°	1518.1
7.5°	1548.3
10°	1590.8
12.5°	1657.9
15°	1744.0
17.5°	1802.3
20°	1776.5
22.5°	1646.8
25°	1428.6
27.5°	1179.2
30°	955.3
32.5°	773.0
35°	608.6
37.5°	447.5
40°	293.1
42.5°	159.9
45°	94.0
47.5°	58.2
50°	38.0
52.5°	22.4
55°	11.2
57.5°	5.6
60°	4.4
62.5°	4.4
65°	3.4
67.5°	2.3
70°	2.3
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)