

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: P581815

Luminaire Tested: **HC615D010-HM60525935-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525935-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1404.9 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

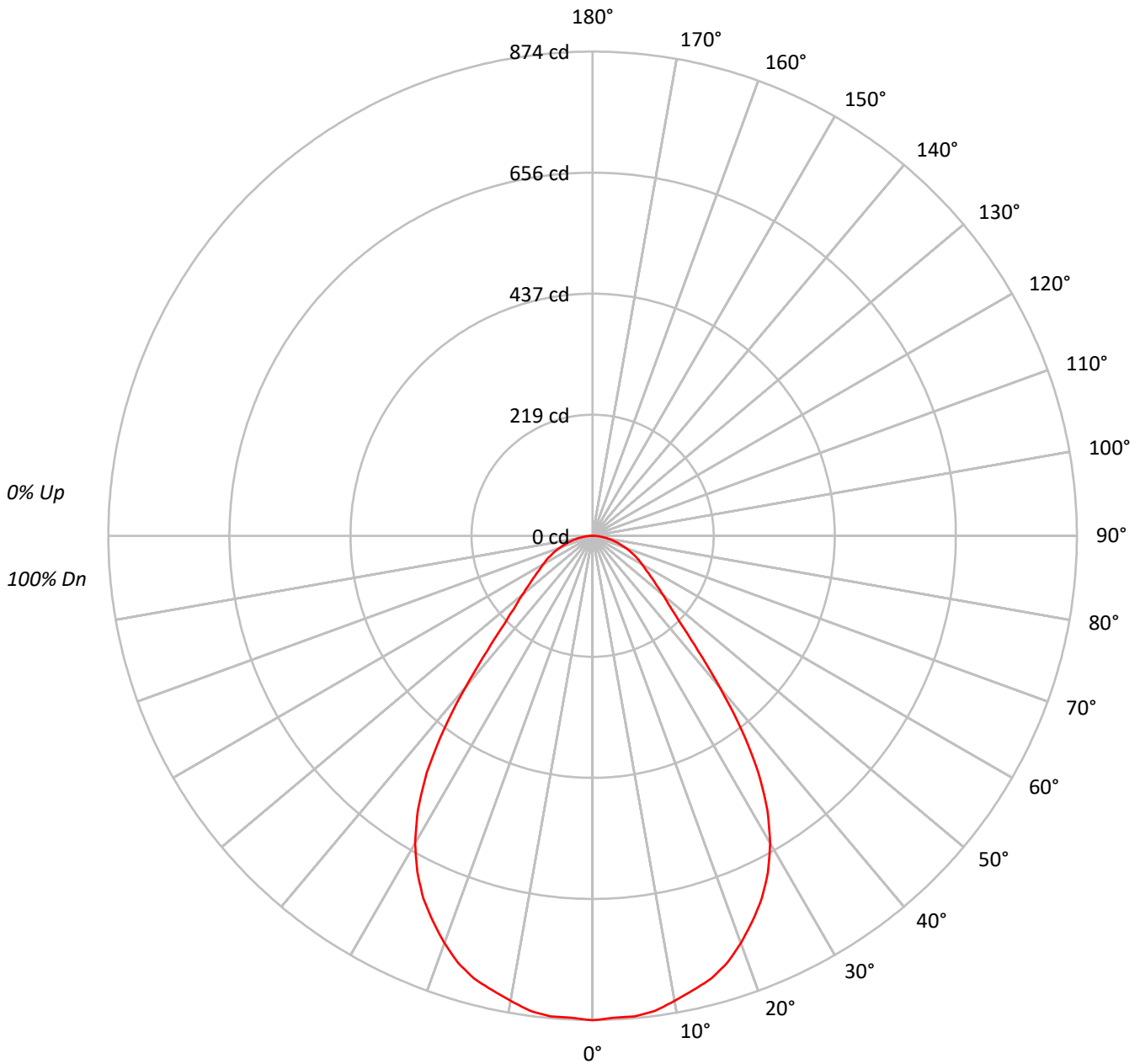
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	92	90	89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47940
5°	47914
10°	47450
15°	46958
20°	45632
25°	43702
30°	40563
35°	34894
40°	25469
45°	17459
50°	14038
55°	12224
60°	11282
65°	10727
70°	10018
75°	9383
80°	8492
85°	7296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	5.9
10°-20°	232.4	16.5
20°-30°	330.5	23.5
30°-40°	318.2	22.6
40°-50°	183.1	13.0
50°-60°	116.0	8.3
60°-70°	82.1	5.8
70°-80°	46.8	3.3
80°-90°	13.4	1.0
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°	645.4	45.9
0°-40°	963.6	68.6
0°-60°	1262.6	89.9
0°-90°	1404.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1404.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	874	
5°	871	83
15°	827	232
25°	722	330
35°	521	318
45°	225	183
55°	128	116
65°	83	82
75°	44	47
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	874.5
2.5°	870.7
5°	870.7
7.5°	865.0
10°	852.4
12.5°	839.9
15°	827.4
17.5°	808.1
20°	782.2
22.5°	753.3
25°	722.5
27.5°	685.0
30°	640.8
32.5°	586.9
35°	521.4
37.5°	441.6
40°	355.9
42.5°	280.9
45°	225.2
47.5°	189.5
50°	164.6
52.5°	144.4
55°	127.9
57.5°	113.5
60°	102.9
62.5°	93.3
65°	82.7
67.5°	73.1
70°	62.5
72.5°	52.9
75°	44.3
77.5°	35.6
80°	26.9
82.5°	19.3
85°	11.6
87.5°	4.8
90°	0.0



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— 0°-180°







(END OF REPORT)