

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: P581715

Luminaire Tested: **HC615D010-HM60525830-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525830-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1472.6 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

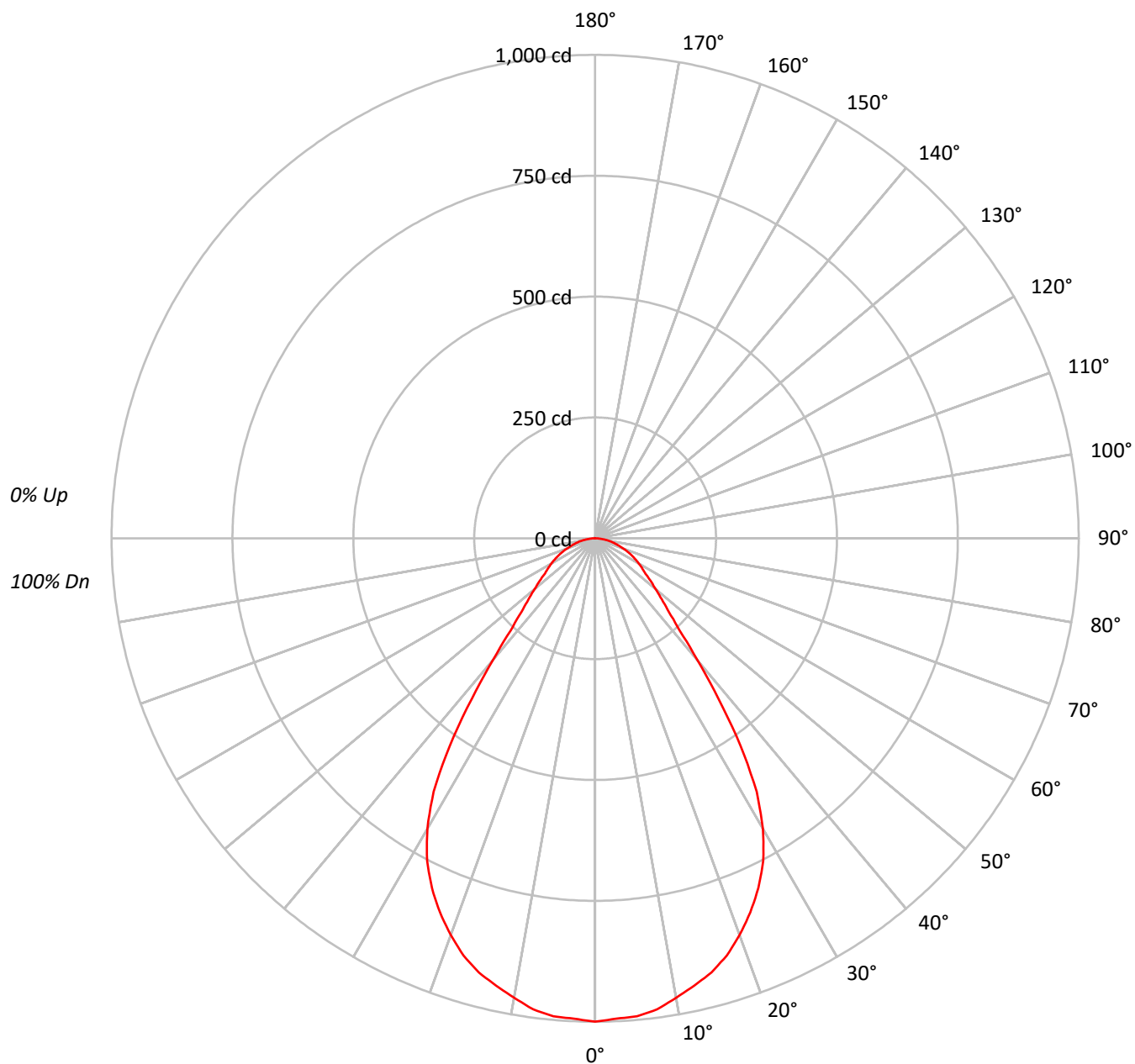
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79		
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54815
5°	54622
10°	53706
15°	52759
20°	50941
25°	48299
30°	43937
35°	35101
40°	23422
45°	16692
50°	13910
55°	12129
60°	11446
65°	10792
70°	9922
75°	9256
80°	8429
85°	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	6.4
10°-20°	261.0	17.7
20°-30°	364.8	24.8
30°-40°	321.3	21.8
40°-50°	173.6	11.8
50°-60°	116.1	7.9
60°-70°	82.3	5.6
70°-80°	46.3	3.1
80°-90°	13.5	0.9
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°	719.6	48.9
0°-40°	1040.9	70.7
0°-60°	1330.6	90.4
0°-90°	1472.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1472.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1000	
5°	993	94
15°	930	261
25°	798	365
35°	524	321
45°	215	174
55°	127	116
65°	83	82
75°	44	46
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	999.9
2.5°	994.6
5°	992.6
7.5°	982.9
10°	964.8
12.5°	947.7
15°	929.6
17.5°	905.0
20°	873.2
22.5°	838.0
25°	798.5
27.5°	752.6
30°	694.1
32.5°	621.5
35°	524.5
37.5°	418.9
40°	327.3
42.5°	258.0
45°	215.3
47.5°	186.6
50°	163.1
52.5°	143.9
55°	126.9
57.5°	115.1
60°	104.4
62.5°	93.9
65°	83.2
67.5°	72.5
70°	61.9
72.5°	52.2
75°	43.7
77.5°	35.2
80°	26.7
82.5°	19.2
85°	11.7
87.5°	5.3
90°	0.0



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— 0°-180°







(END OF REPORT)