

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: P581780

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525927-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1317.2 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

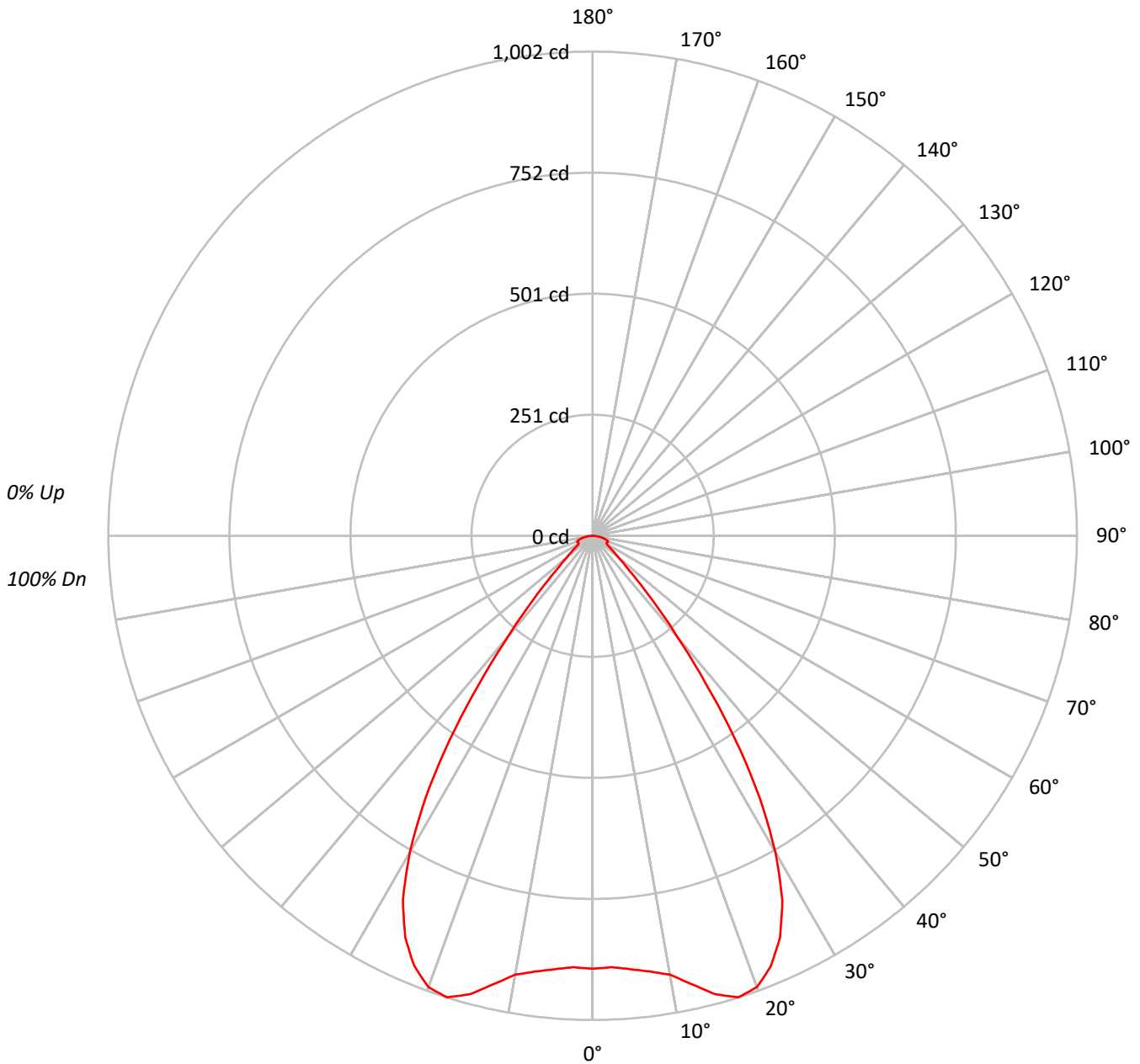
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46			46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49124
5°	49543
10°	51329
15°	55749
20°	57988
25°	55473
30°	47874
35°	34472
40°	19422
45°	10063
50°	6004
55°	4320
60°	3673
65°	4242
70°	5369
75°	5676
80°	5556
85°	5284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	6.6
10°-20°	277.1	21.0
20°-30°	414.1	31.4
30°-40°	316.6	24.0
40°-50°	110.6	8.4
50°-60°	42.2	3.2
60°-70°	33.1	2.5
70°-80°	28.0	2.1
80°-90°	9.0	0.7
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°	777.8	59.1
0°-40°	1094.4	83.1
0°-60°	1247.2	94.7
0°-90°	1317.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1317.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	896	
5°	900	87
15°	982	277
25°	917	414
35°	515	317
45°	130	111
55°	45	42
65°	33	33
75°	27	28
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	896.1
2.5°	893.6
5°	900.3
7.5°	909.5
10°	922.1
12.5°	950.6
15°	982.3
17.5°	1001.6
20°	994.0
22.5°	964.0
25°	917.1
27.5°	850.0
30°	756.3
32.5°	644.0
35°	515.1
37.5°	381.9
40°	271.4
42.5°	190.1
45°	129.8
47.5°	91.3
50°	70.4
52.5°	55.3
55°	45.2
57.5°	36.9
60°	33.5
62.5°	32.7
65°	32.7
67.5°	34.4
70°	33.5
72.5°	31.0
75°	26.8
77.5°	22.6
80°	17.6
82.5°	12.6
85°	8.4
87.5°	3.4
90°	0.0



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— 0°-180°







(END OF REPORT)