

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: P581791

Luminaire Tested: **HC615D010-HM60525930-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525930-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1294.4 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

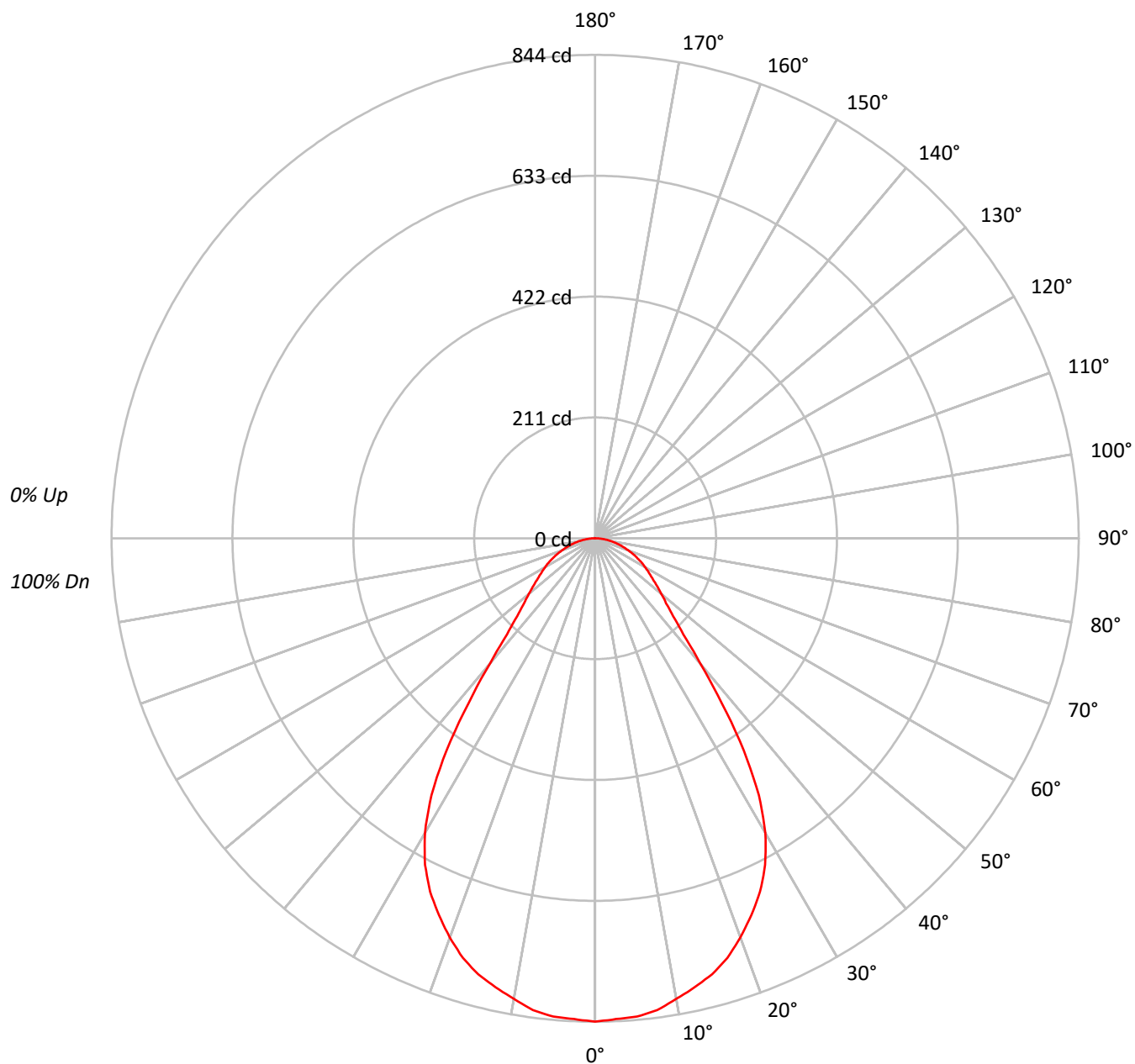
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	101	95	90	85	91	87	83		88	85	82		85
3	96	87	81	75	94	86	80	75	83	78	73		80	76	72		78
4	89	80	72	67	87	78	72	66	76	70	65		74	69	65		72
5	84	73	65	60	82	72	65	59	70	64	59		68	63	58		66
6	78	67	59	54	77	66	59	54	64	58	53		63	57	53		61
7	73	62	54	49	72	61	54	49	60	53	49		58	53	48		57
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53
9	65	53	46	41	64	53	46	41	52	46	41		51	45	41		50
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46263
5°	46137
10°	45451
15°	44728
20°	43258
25°	41198
30°	37620
35°	30283
40°	20410
45°	14885
50°	12861
55°	11622
60°	11030
65°	10442
70°	9825
75°	9298
80°	8682
85°	8051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	6.1
10°-20°	221.3	17.1
20°-30°	311.0	24.0
30°-40°	276.8	21.4
40°-50°	154.7	11.9
50°-60°	110.2	8.5
60°-70°	80.2	6.2
70°-80°	46.4	3.6
80°-90°	14.4	1.1
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°	611.6	47.3
0°-40°	888.4	68.6
0°-60°	1153.3	89.1
0°-90°	1294.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1294.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	844	
5°	838	79
15°	788	221
25°	681	311
35°	452	277
45°	192	155
55°	122	110
65°	80	80
75°	44	46
85°	13	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	843.9
2.5°	840.2
5°	838.4
7.5°	831.0
10°	816.5
12.5°	802.8
15°	788.1
17.5°	768.1
20°	741.5
22.5°	712.2
25°	681.1
27.5°	642.8
30°	594.3
32.5°	532.1
35°	452.5
37.5°	363.0
40°	285.2
42.5°	227.7
45°	192.0
47.5°	168.2
50°	150.8
52.5°	135.3
55°	121.6
57.5°	110.7
60°	100.6
62.5°	91.5
65°	80.5
67.5°	71.3
70°	61.3
72.5°	52.1
75°	43.9
77.5°	35.6
80°	27.5
82.5°	20.1
85°	12.8
87.5°	6.4
90°	0.0



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— 0°-180°







(END OF REPORT)