

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: P581719

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581719
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-HM60525830-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1510.0 lumens
Efficiency: N/A
Efficacy: 107.9 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

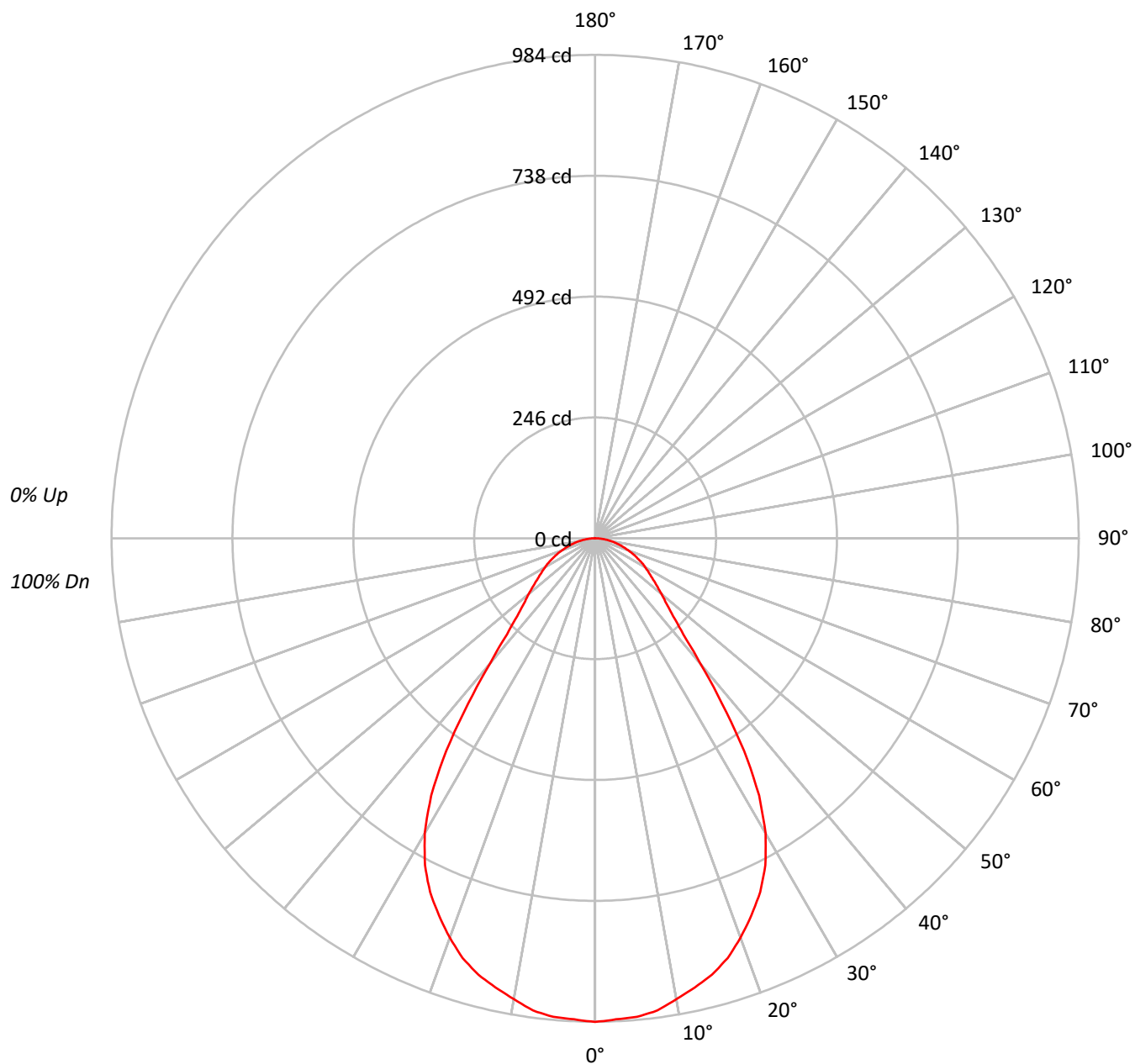
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	53970
5°	53819
10°	53022
15°	52180
20°	50463
25°	48063
30°	43886
35°	35335
40°	23816
45°	17358
50°	15010
55°	13562
60°	12872
65°	12180
70°	11460
75°	10845
80°	10102
85°	9435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	6.1
10°-20°	258.2	17.1
20°-30°	362.7	24.0
30°-40°	322.9	21.4
40°-50°	180.4	11.9
50°-60°	128.6	8.5
60°-70°	93.6	6.2
70°-80°	54.1	3.6
80°-90°	16.9	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°	713.5	47.3
0°-40°	1036.4	68.6
0°-60°	1345.4	89.1
0°-90°	1510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1510.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	984	
5°	978	93
15°	919	258
25°	795	363
35°	528	323
45°	224	180
55°	142	129
65°	94	94
75°	51	54
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	984.5
2.5°	980.2
5°	978.0
7.5°	969.5
10°	952.5
12.5°	936.5
15°	919.4
17.5°	896.0
20°	865.0
22.5°	830.8
25°	794.6
27.5°	749.8
30°	693.3
32.5°	620.7
35°	528.0
37.5°	423.5
40°	332.8
42.5°	265.6
45°	223.9
47.5°	196.2
50°	176.0
52.5°	157.9
55°	141.9
57.5°	129.0
60°	117.4
62.5°	106.7
65°	93.9
67.5°	83.2
70°	71.5
72.5°	60.8
75°	51.2
77.5°	41.5
80°	32.0
82.5°	23.5
85°	15.0
87.5°	7.5
90°	0.0



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— 0°-180°







(END OF REPORT)