

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: P581787

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581787
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-HM60525930-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1262.4 lumens
Efficiency: N/A
Efficacy: 90.2 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

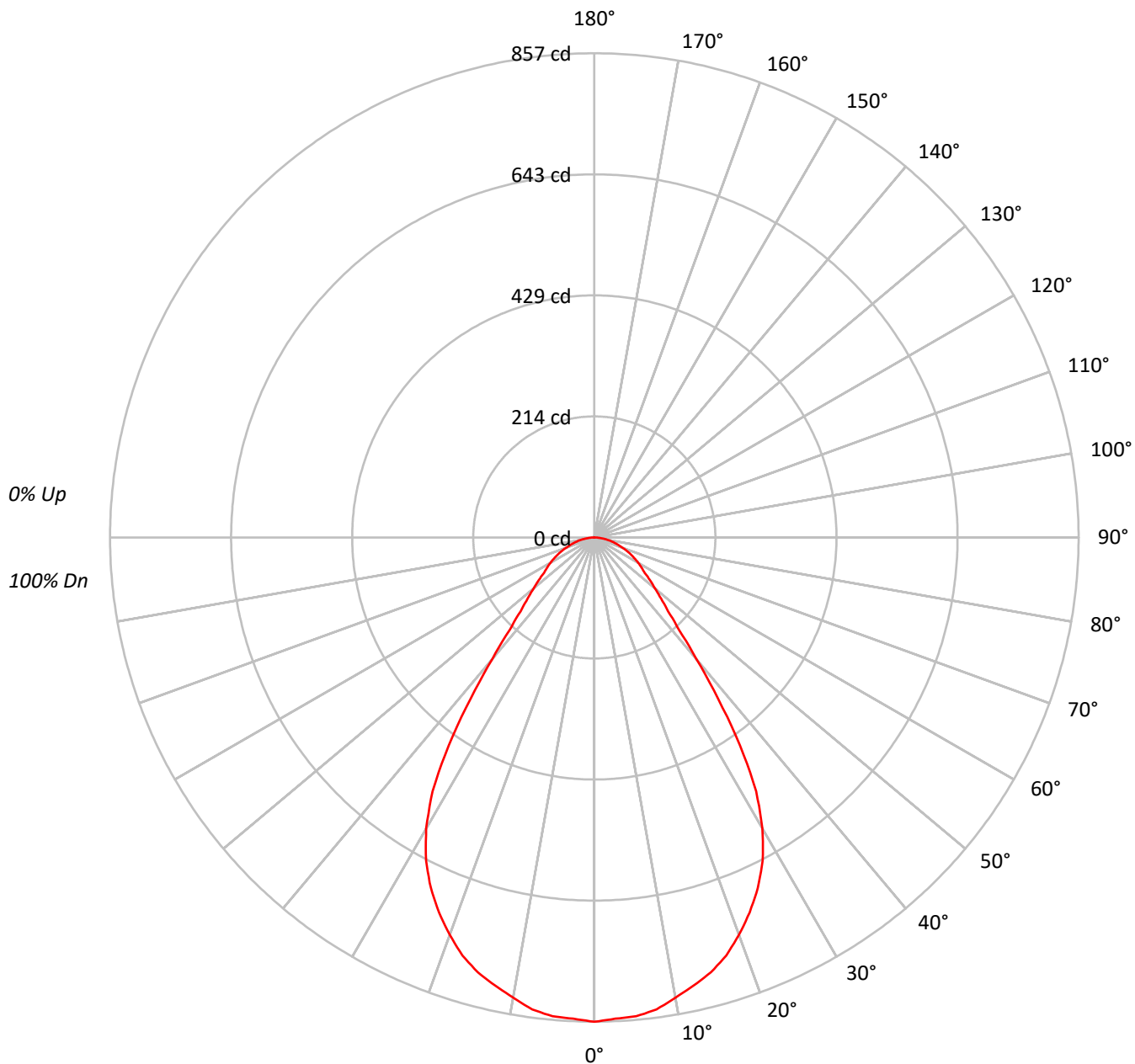
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46992
5°	46819
10°	46041
15°	45227
20°	43660
25°	41404
30°	37664
35°	30089
40°	20080
45°	14312
50°	11923
55°	10389
60°	9824
65°	9249
70°	8495
75°	7943
80°	7198
85°	6353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	6.4
10°-20°	223.8	17.7
20°-30°	312.7	24.8
30°-40°	275.4	21.8
40°-50°	148.8	11.8
50°-60°	99.5	7.9
60°-70°	70.6	5.6
70°-80°	39.7	3.1
80°-90°	11.6	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°	616.9	48.9
0°-40°	892.3	70.7
0°-60°	1140.6	90.4
0°-90°	1262.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1262.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	857	
5°	851	80
15°	797	224
25°	684	313
35°	450	275
45°	185	149
55°	109	99
65°	71	71
75°	38	40
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	857.2
2.5°	852.6
5°	850.8
7.5°	842.6
10°	827.1
12.5°	812.4
15°	796.9
17.5°	775.9
20°	748.4
22.5°	718.3
25°	684.5
27.5°	645.1
30°	595.0
32.5°	532.8
35°	449.6
37.5°	359.1
40°	280.6
42.5°	221.1
45°	184.6
47.5°	159.9
50°	139.8
52.5°	123.4
55°	108.7
57.5°	98.7
60°	89.6
62.5°	80.5
65°	71.3
67.5°	62.2
70°	53.0
72.5°	44.8
75°	37.5
77.5°	30.2
80°	22.8
82.5°	16.5
85°	10.1
87.5°	4.5
90°	0.0



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— 0°-180°







(END OF REPORT)