

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: P581646

Luminaire Tested: **HC610D010-HM60525930-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC610D010-HM60525930-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 910.5 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

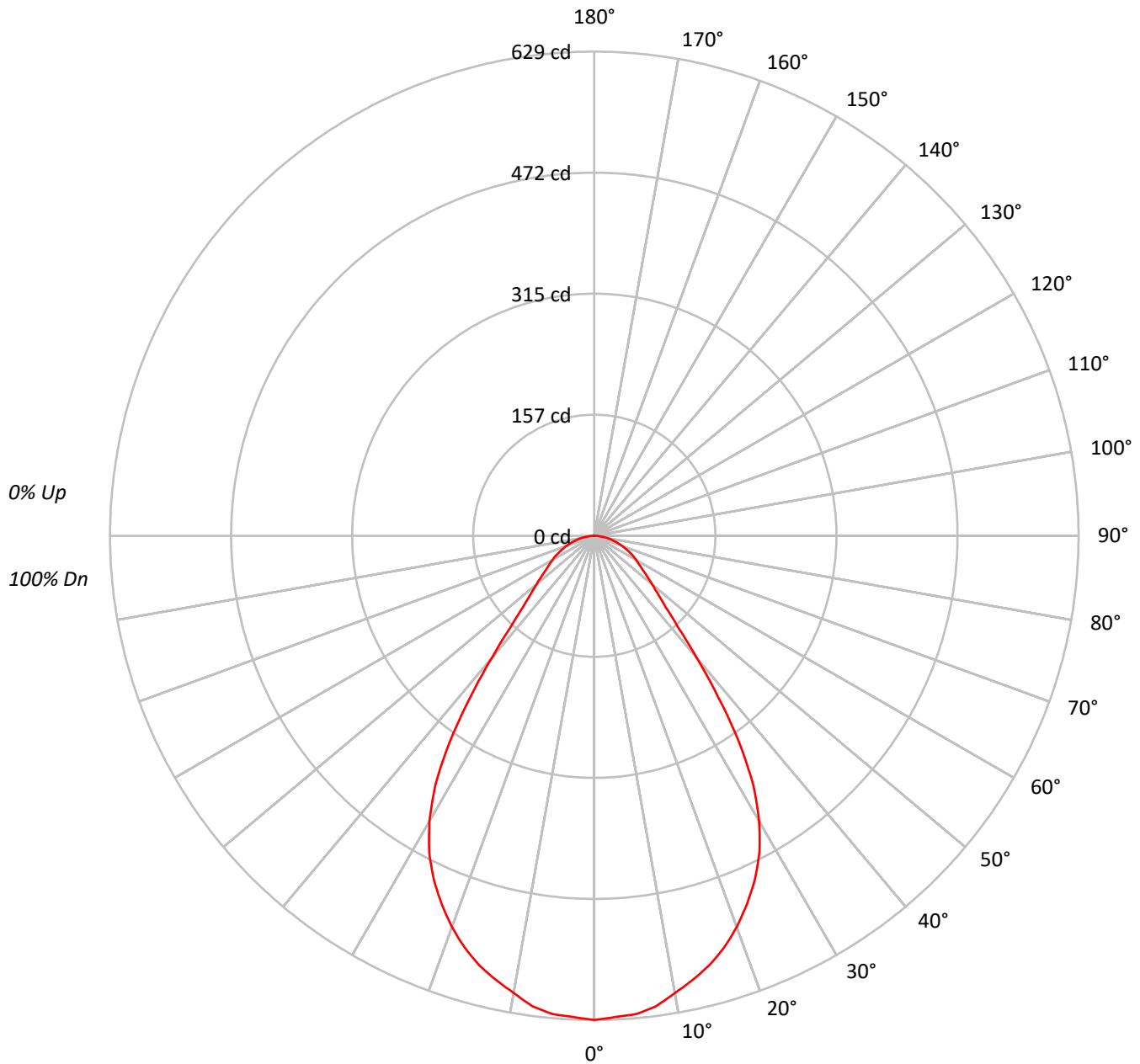
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83		86	83	81
3	97	88	82	77		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	74	67	61		83	73	66	61		71	65	60		69	64	60		67	63	59
6	79	68	61	55		77	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	56	50		73	62	55	50		61	55	50		60	54	50		58	53	49
8	70	59	51	46		69	58	51	46		57	50	46		56	50	46		54	49	46
9	66	55	48	43		65	54	47	43		53	47	42		52	46	42		51	46	42
10	63	51	44	40		61	51	44	40		50	44	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34487
5°	34322
10°	33567
15°	32775
20°	31549
25°	29832
30°	27112
35°	21944
40°	14799
45°	10172
50°	8332
55°	7292
60°	6896
65°	6499
70°	6107
75°	5804
80°	5304
85°	4655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	6.5
10°-20°	162.2	17.8
20°-30°	225.3	24.7
30°-40°	200.6	22.0
40°-50°	106.5	11.7
50°-60°	69.7	7.7
60°-70°	49.9	5.5
70°-80°	28.9	3.2
80°-90°	8.5	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°	446.4	49.0
0°-40°	647.0	71.1
0°-60°	823.2	90.4
0°-90°	910.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	629	
5°	624	59
15°	578	162
25°	493	225
35°	328	201
45°	131	106
55°	76	70
65°	50	50
75°	27	29
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	629.1
2.5°	625.8
5°	623.7
7.5°	616.4
10°	603.0
12.5°	590.9
15°	577.5
17.5°	560.8
20°	540.8
22.5°	518.0
25°	493.2
27.5°	464.5
30°	428.3
32.5°	384.8
35°	327.9
37.5°	265.0
40°	206.8
42.5°	160.6
45°	131.2
47.5°	111.7
50°	97.7
52.5°	86.4
55°	76.3
57.5°	68.9
60°	62.9
62.5°	56.9
65°	50.1
67.5°	44.1
70°	38.1
72.5°	32.8
75°	27.4
77.5°	22.1
80°	16.8
82.5°	12.0
85°	7.4
87.5°	3.4
90°	0.0



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— 0°-180°







(END OF REPORT)