

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: P581643

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581643
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: HC610D010-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: 924.0 lumens
Efficiency: N/A
Efficacy: 93.3 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

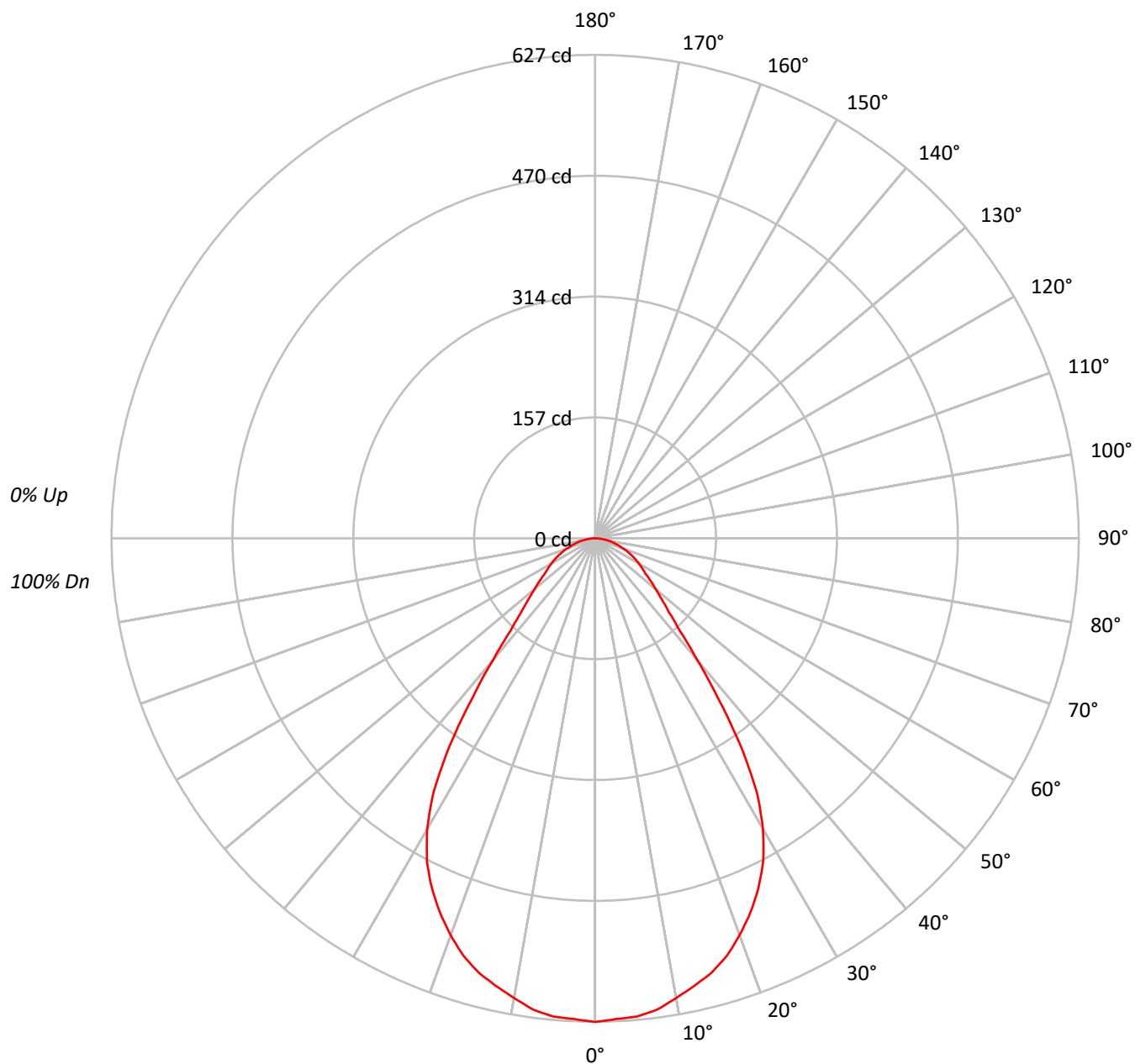
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	34394
5°	34267
10°	33695
15°	33099
20°	31958
25°	30298
30°	27561
35°	22024
40°	14692
45°	10482
50°	8725
55°	7608
60°	7181
65°	6771
70°	6219
75°	5804
80°	5304
85°	4655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	6.4
10°-20°	163.8	17.7
20°-30°	228.8	24.8
30°-40°	201.6	21.8
40°-50°	108.9	11.8
50°-60°	72.8	7.9
60°-70°	51.6	5.6
70°-80°	29.0	3.1
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°	451.5	48.9
0°-40°	653.1	70.7
0°-60°	834.8	90.4
0°-90°	924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	627	
5°	623	59
15°	583	164
25°	501	229
35°	329	202
45°	135	109
55°	80	73
65°	52	52
75°	27	29
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	627.4
2.5°	624.1
5°	622.7
7.5°	616.7
10°	605.3
12.5°	594.6
15°	583.2
17.5°	567.8
20°	547.8
22.5°	525.7
25°	500.9
27.5°	472.2
30°	435.4
32.5°	390.0
35°	329.1
37.5°	262.9
40°	205.3
42.5°	161.9
45°	135.2
47.5°	117.0
50°	102.3
52.5°	90.3
55°	79.6
57.5°	72.2
60°	65.5
62.5°	58.9
65°	52.2
67.5°	45.5
70°	38.8
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)