

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: P582867

Luminaire Tested: **HC605D010-HM60525830-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582867
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: HC605D010-HM60525830-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 659.2 lumens
Efficiency: N/A
Efficacy: 109.9 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

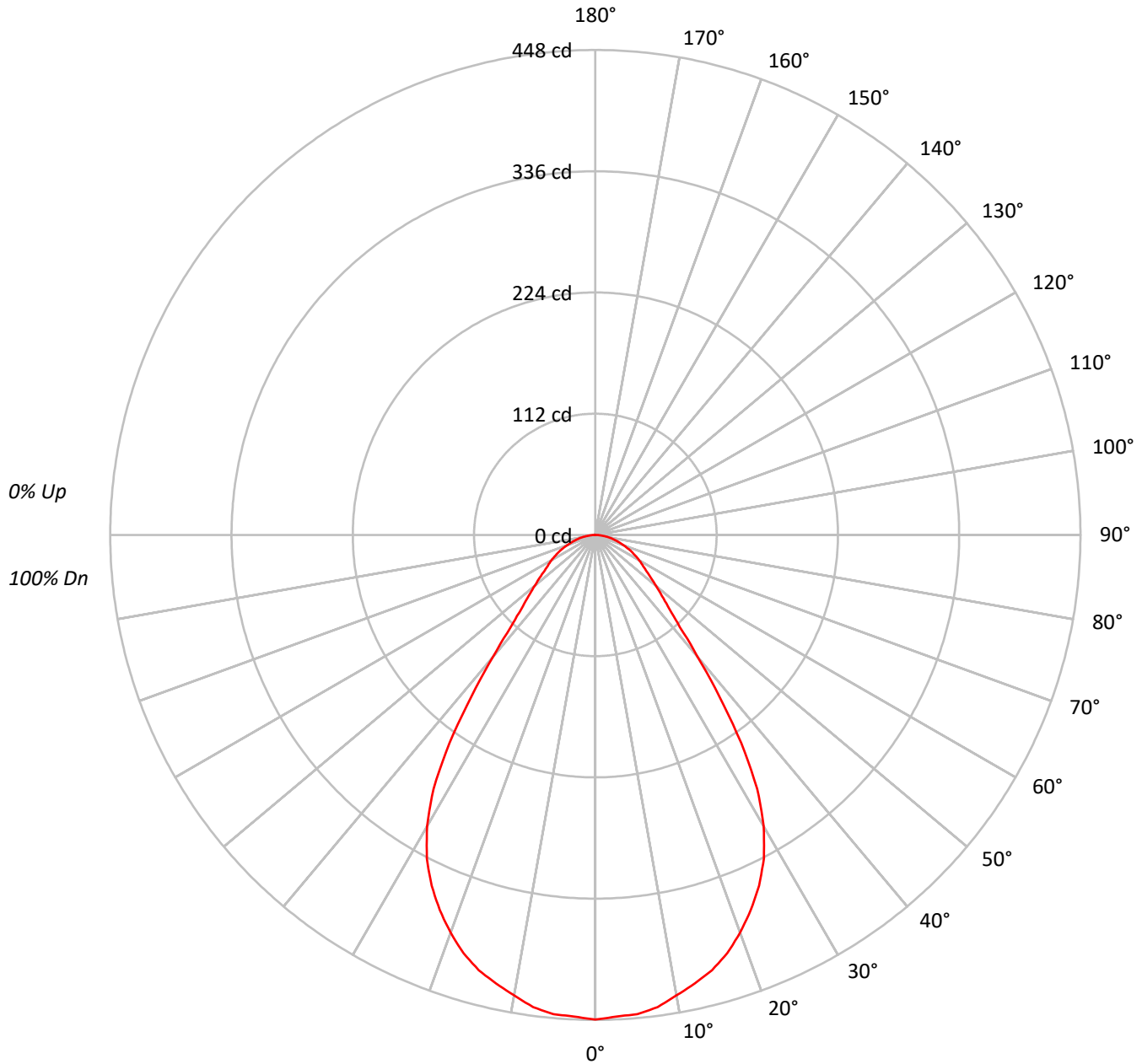
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	24543
5°	24450
10°	24042
15°	23621
20°	22804
25°	21624
30°	19668
35°	15714
40°	10491
45°	7474
50°	6226
55°	5429
60°	5131
65°	4825
70°	4440
75°	4130
80°	3788
85°	3271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	6.4
10°-20°	116.9	17.7
20°-30°	163.3	24.8
30°-40°	143.8	21.8
40°-50°	77.7	11.8
50°-60°	51.9	7.9
60°-70°	36.8	5.6
70°-80°	20.7	3.1
80°-90°	6.0	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°	322.2	48.9
0°-40°	466.0	70.7
0°-60°	595.7	90.4
0°-90°	659.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	448	
5°	444	42
15°	416	117
25°	358	163
35°	235	144
45°	96	78
55°	57	52
65°	37	37
75°	20	21
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	447.7
2.5°	445.3
5°	444.3
7.5°	440.0
10°	431.9
12.5°	424.3
15°	416.2
17.5°	405.2
20°	390.9
22.5°	375.2
25°	357.5
27.5°	337.0
30°	310.7
32.5°	278.2
35°	234.8
37.5°	187.6
40°	146.6
42.5°	115.5
45°	96.4
47.5°	83.5
50°	73.0
52.5°	64.4
55°	56.8
57.5°	51.5
60°	46.8
62.5°	42.0
65°	37.2
67.5°	32.4
70°	27.7
72.5°	23.4
75°	19.5
77.5°	15.7
80°	12.0
82.5°	8.6
85°	5.2
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)