

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: P582870

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582870
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: HC605D010-HM60525830-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 649.7 lumens
Efficiency: N/A
Efficacy: 108.3 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

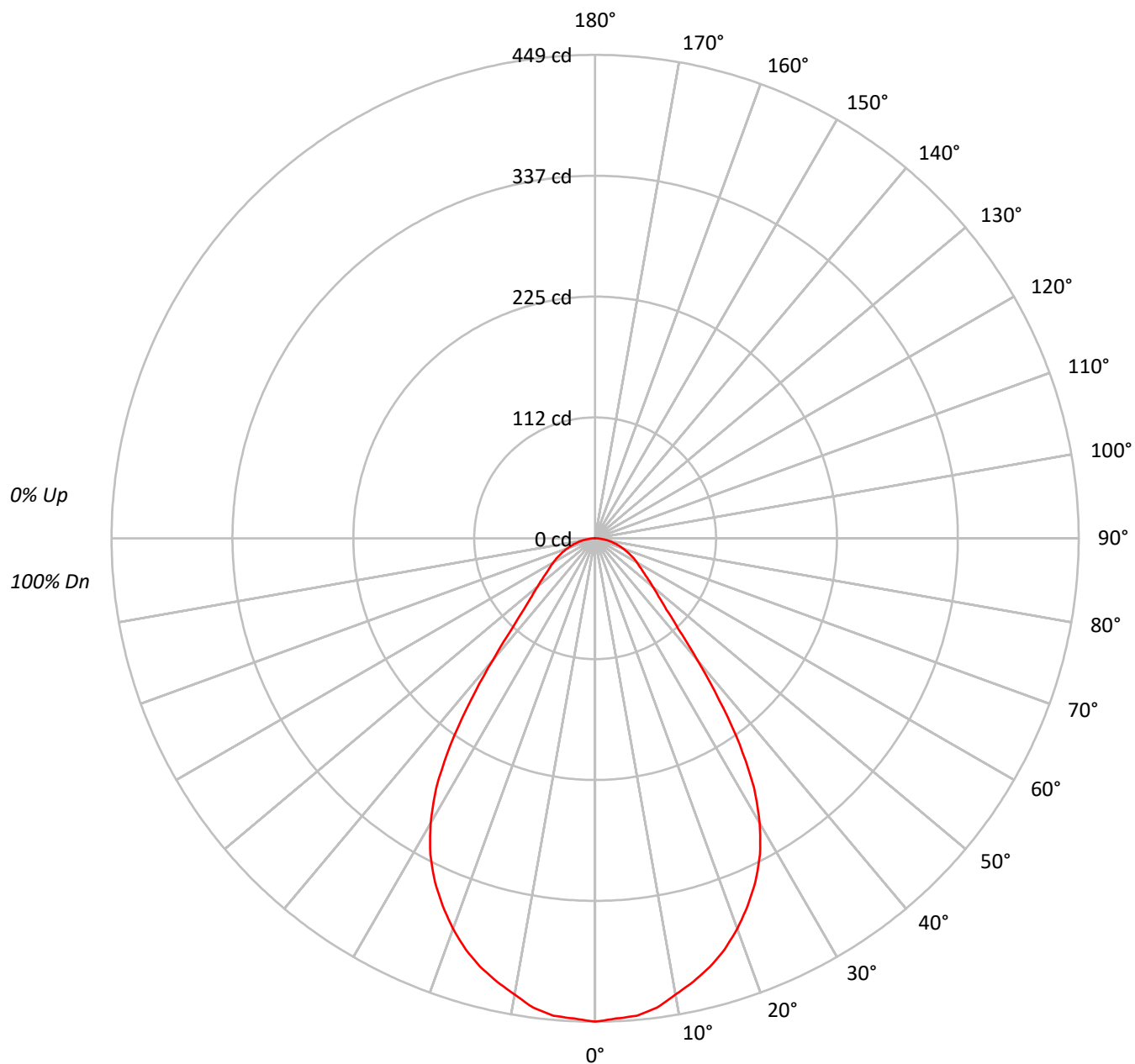
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	108	104	101	109	105	102	100		101	99	96			97	95	94			94
2	104	97	92	87	101	95	90	86		92	88	84			89	85	83			86
3	97	88	82	77	94	87	81	76		84	79	75			81	77	73			79
4	90	81	73	68	88	79	73	68		77	71	67			75	70	66			73
5	84	74	67	61	83	73	66	61		71	65	60			69	64	60			67
6	79	68	61	55	77	67	60	55		66	59	55			64	59	54			63
7	74	63	56	50	73	62	55	50		61	55	50			60	54	50			58
8	70	59	51	46	69	58	51	46		57	50	46			56	50	46			54
9	66	55	48	43	65	54	47	43		53	47	42			52	46	42			51
10	63	51	44	40	61	51	44	40		50	44	39			49	43	39			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24609
5°	24494
10°	23953
15°	23388
20°	22513
25°	21292
30°	19351
35°	15660
40°	10563
45°	7257
50°	5944
55°	5209
60°	4923
65°	4644
70°	4360
75°	4130
80°	3788
85°	3271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	6.5
10°-20°	115.7	17.8
20°-30°	160.8	24.7
30°-40°	143.2	22.0
40°-50°	76.0	11.7
50°-60°	49.7	7.7
60°-70°	35.6	5.5
70°-80°	20.6	3.2
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°	318.6	49.0
0°-40°	461.7	71.1
0°-60°	587.5	90.4
0°-90°	649.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	449	
5°	445	42
15°	412	116
25°	352	161
35°	234	143
45°	94	76
55°	54	50
65°	36	36
75°	20	21
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	448.9
2.5°	446.5
5°	445.1
7.5°	439.8
10°	430.3
12.5°	421.7
15°	412.1
17.5°	400.2
20°	385.9
22.5°	369.6
25°	352.0
27.5°	331.4
30°	305.7
32.5°	274.6
35°	234.0
37.5°	189.2
40°	147.6
42.5°	114.6
45°	93.6
47.5°	79.8
50°	69.7
52.5°	61.6
55°	54.5
57.5°	49.2
60°	44.9
62.5°	40.6
65°	35.8
67.5°	31.5
70°	27.2
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)