

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: P593188

Luminaire Tested: **HC625D010-HM60525950-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593188
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: HC625D010-HM60525950-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2219.9 lumens
Efficiency: N/A
Efficacy: 82.8 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

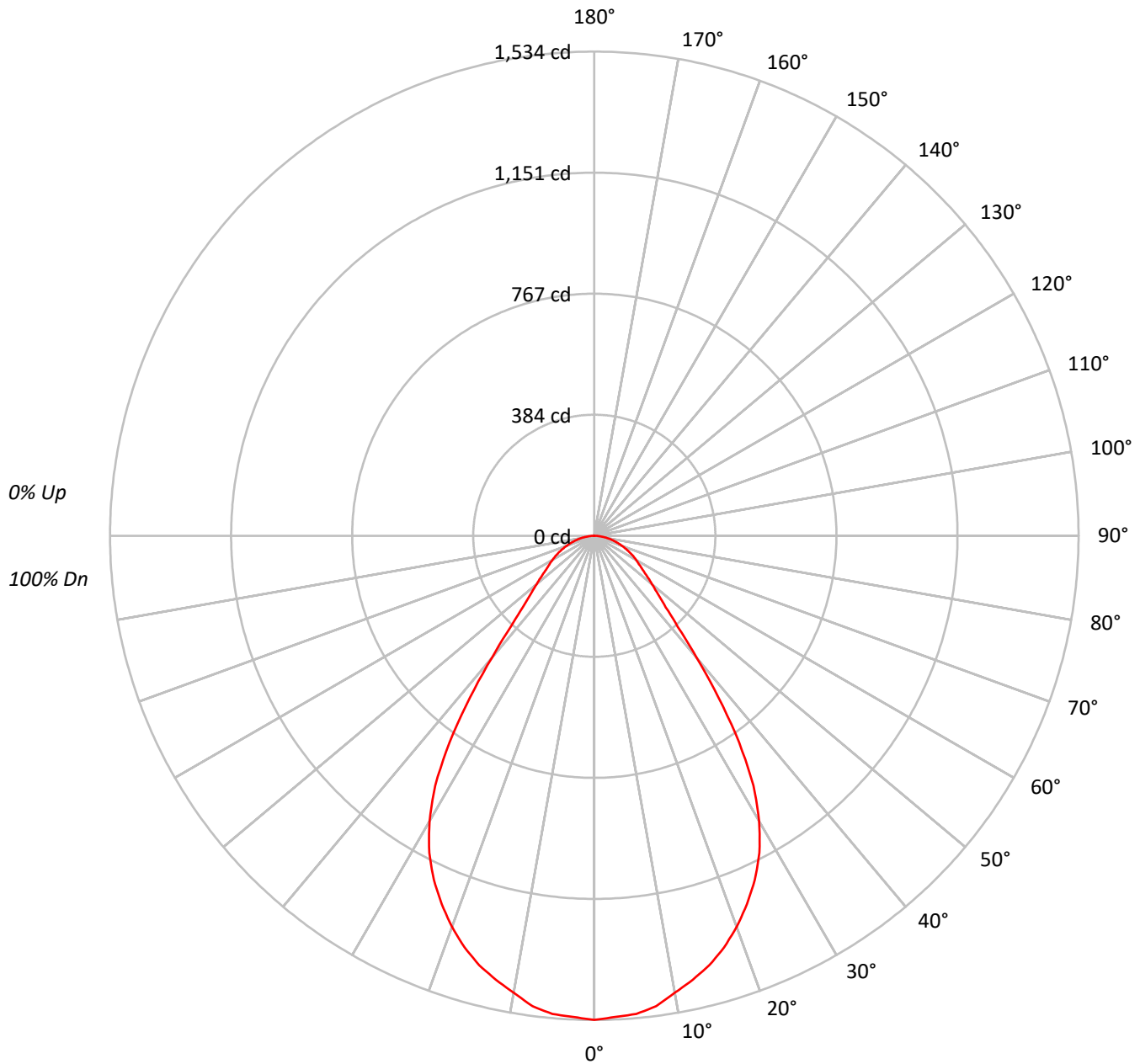
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	84083
5°	83689
10°	81834
15°	79921
20°	76913
25°	72742
30°	66105
35°	53505
40°	36082
45°	24793
50°	20315
55°	17787
60°	16819
65°	15877
70°	14906
75°	14170
80°	12880
85°	11259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	6.5
10°-20°	395.4	17.8
20°-30°	549.4	24.7
30°-40°	489.2	22.0
40°-50°	259.7	11.7
50°-60°	169.8	7.6
60°-70°	121.7	5.5
70°-80°	70.6	3.2
80°-90°	20.6	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°	1088.4	49.0
0°-40°	1577.6	71.1
0°-60°	2007.1	90.4
0°-90°	2219.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2219.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1534	
5°	1521	144
15°	1408	395
25°	1203	549
35°	800	489
45°	320	260
55°	186	170
65°	122	122
75°	67	71
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1533.8
2.5°	1525.7
5°	1520.8
7.5°	1502.8
10°	1470.1
12.5°	1440.8
15°	1408.2
17.5°	1367.4
20°	1318.4
22.5°	1262.9
25°	1202.6
27.5°	1132.5
30°	1044.3
32.5°	938.2
35°	799.5
37.5°	646.2
40°	504.2
42.5°	391.6
45°	319.8
47.5°	272.5
50°	238.2
52.5°	210.5
55°	186.1
57.5°	168.0
60°	153.4
62.5°	138.7
65°	122.4
67.5°	107.6
70°	93.0
72.5°	79.9
75°	66.9
77.5°	53.9
80°	40.8
82.5°	29.3
85°	17.9
87.5°	8.1
90°	0.0



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— 0°-180°







(END OF REPORT)