

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: P593164

Luminaire Tested: **HC625D010-HM60525850-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525850-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2871.3 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

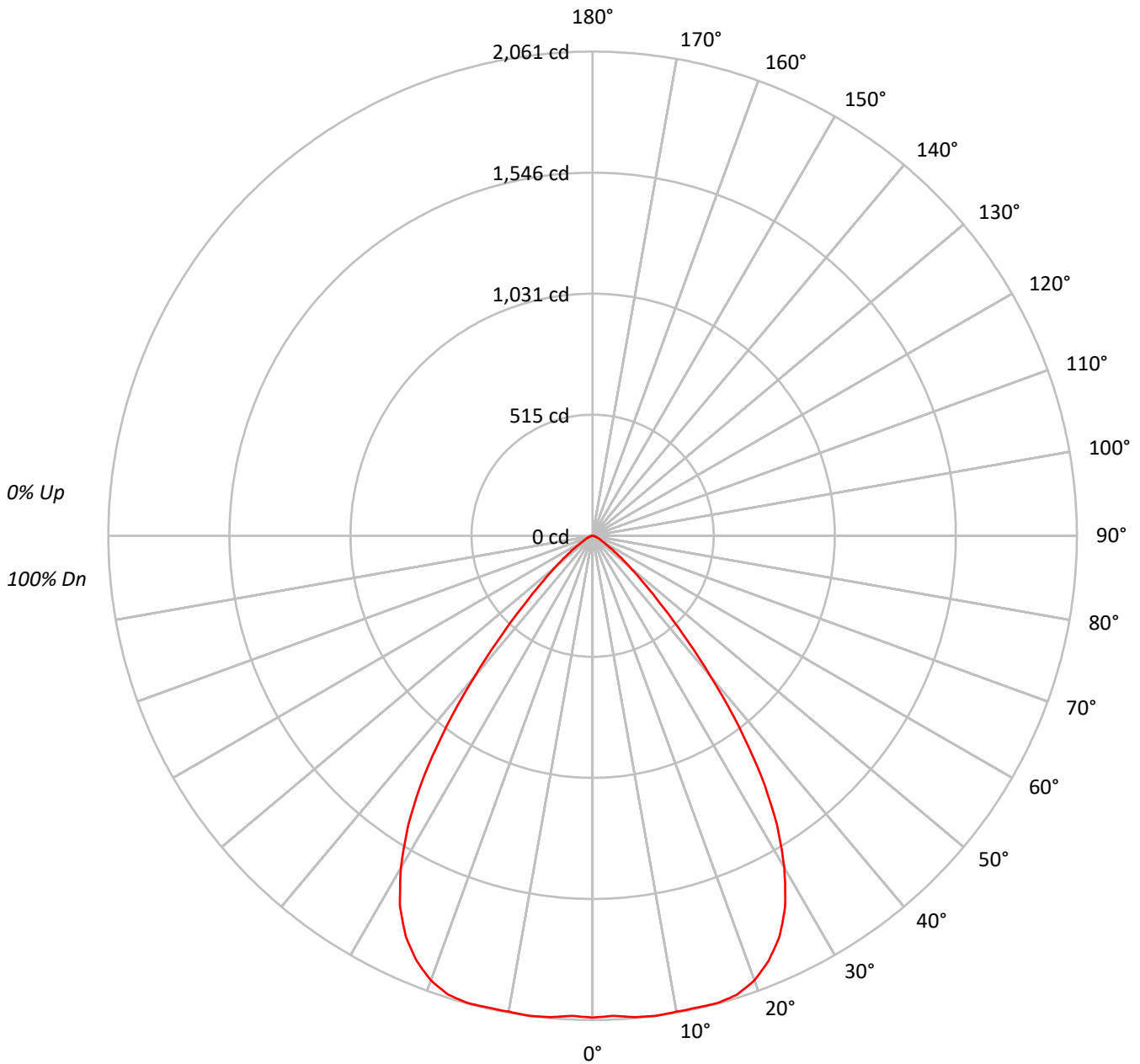
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92			92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84			84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77			77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			59
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54			54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50			50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112447
5°	113190
10°	114499
15°	116851
20°	117505
25°	113843
30°	103288
35°	83975
40°	55740
45°	31019
50°	17398
55°	9653
60°	5329
65°	4034
70°	2805
75°	2076
80°	1231
85°	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.3	6.8
10°-20°	580.5	20.2
20°-30°	855.7	29.8
30°-40°	765.3	26.7
40°-50°	332.0	11.6
50°-60°	97.6	3.4
60°-70°	31.1	1.1
70°-80°	11.1	0.4
80°-90°	1.6	0.1
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°	1632.5	56.9
0°-40°	2397.8	83.5
0°-60°	2827.4	98.5
0°-90°	2871.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2871.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2051	
5°	2057	196
15°	2059	581
25°	1882	856
35°	1255	765
45°	400	332
55°	101	98
65°	31	31
75°	10	11
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2051.2
2.5°	2045.3
5°	2056.9
7.5°	2060.8
10°	2056.9
12.5°	2056.9
15°	2058.9
17.5°	2047.3
20°	2014.2
22.5°	1957.9
25°	1882.1
27.5°	1775.4
30°	1631.7
32.5°	1460.6
35°	1254.8
37.5°	1019.7
40°	778.9
42.5°	569.1
45°	400.1
47.5°	285.6
50°	204.0
52.5°	145.7
55°	101.0
57.5°	68.0
60°	48.6
62.5°	38.8
65°	31.1
67.5°	23.3
70°	17.5
72.5°	13.7
75°	9.8
77.5°	7.8
80°	3.9
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)