

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: P582032

Luminaire Tested: **HC625D010-HM60525835-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525835-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2853.2 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

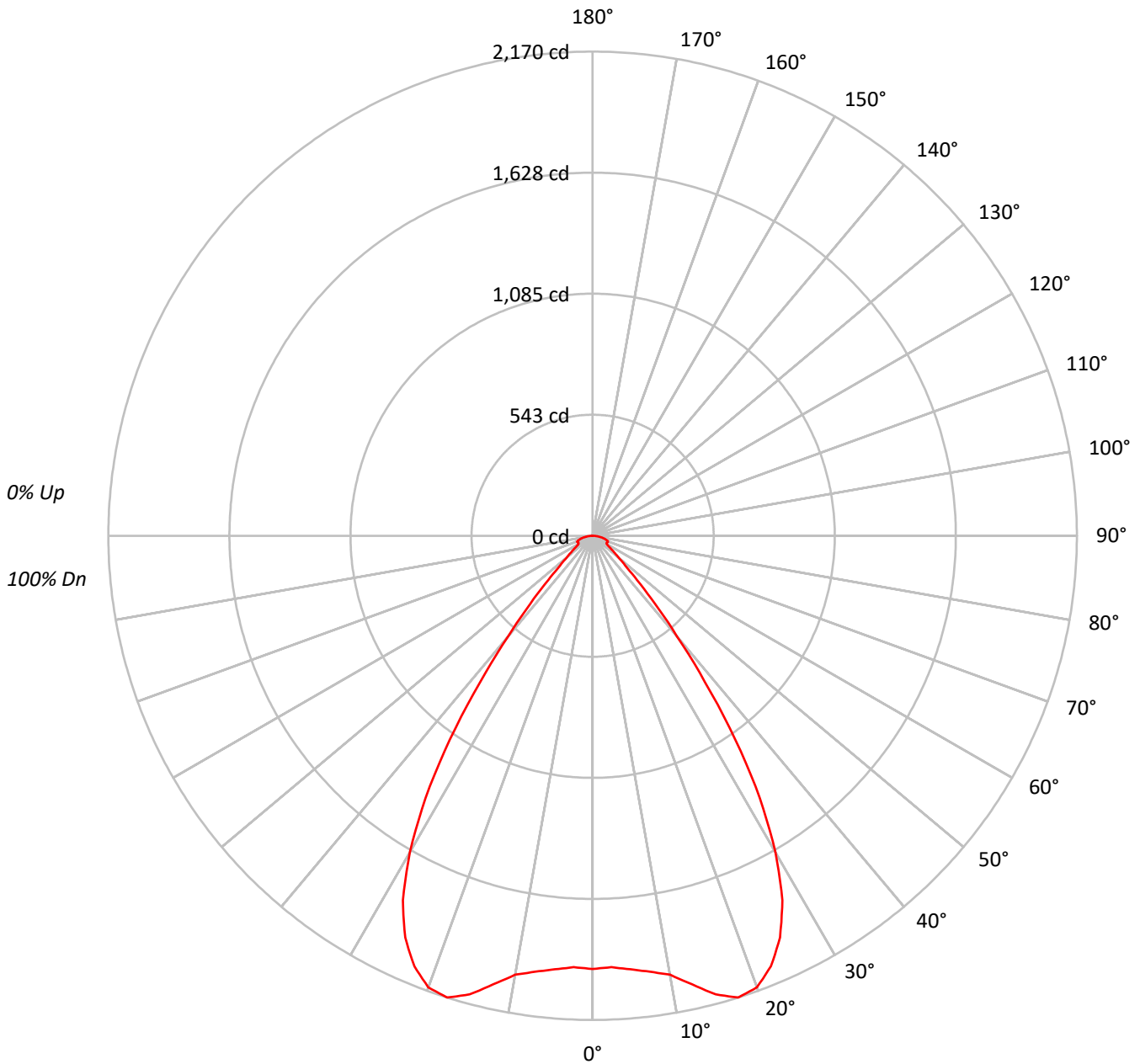
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106411
5°	107319
10°	111187
15°	120773
20°	125626
25°	120158
30°	103699
35°	74666
40°	42065
45°	21801
50°	12997
55°	9366
60°	7949
65°	9184
70°	11621
75°	12285
80°	12028
85°	11448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.7	6.6
10°-20°	600.2	21.0
20°-30°	897.1	31.4
30°-40°	685.8	24.0
40°-50°	239.5	8.4
50°-60°	91.3	3.2
60°-70°	71.6	2.5
70°-80°	60.6	2.1
80°-90°	19.5	0.7
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°	1684.9	59.1
0°-40°	2370.7	83.1
0°-60°	2701.5	94.7
0°-90°	2853.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2853.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1941	
5°	1950	188
15°	2128	600
25°	1986	897
35°	1116	686
45°	281	240
55°	98	91
65°	71	72
75°	58	61
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1941.1
2.5°	1935.6
5°	1950.2
7.5°	1970.1
10°	1997.4
12.5°	2059.1
15°	2128.0
17.5°	2169.7
20°	2153.4
22.5°	2088.1
25°	1986.5
27.5°	1841.4
30°	1638.2
32.5°	1395.1
35°	1115.7
37.5°	827.2
40°	587.8
42.5°	411.9
45°	281.2
47.5°	197.7
50°	152.4
52.5°	119.8
55°	98.0
57.5°	79.8
60°	72.5
62.5°	70.8
65°	70.8
67.5°	74.4
70°	72.5
72.5°	67.2
75°	58.0
77.5°	49.0
80°	38.1
82.5°	27.2
85°	18.2
87.5°	7.3
90°	0.0



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— 0°-180°







(END OF REPORT)