

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: P582014

Luminaire Tested: **HC625D010-HM60525830-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582014
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-HM60525830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2808.0 lumens
Efficiency: N/A
Efficacy: 104.8 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

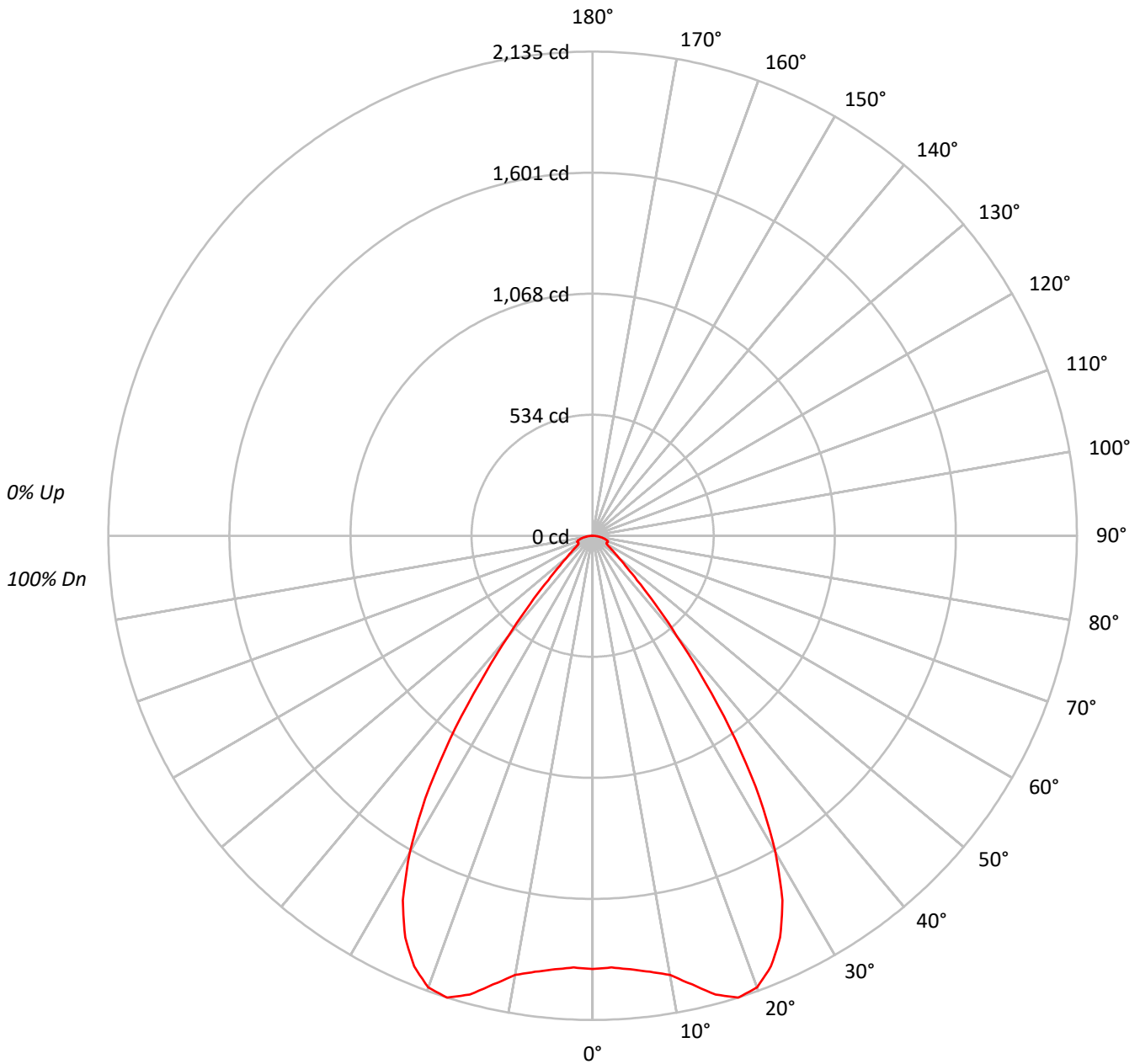
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582014

CATALOG NUMBER: HC625D010-HM60525830-61WDWB

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			
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104728
5°	105618
10°	109428
15°	118866
20°	123637
25°	118259
30°	102054
35°	73482
40°	41399
45°	21460
50°	12793
55°	9214
60°	7828
65°	9041
70°	11444
75°	12094
80°	11839
85°	11196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	6.6
10°-20°	590.7	21.0
20°-30°	882.9	31.4
30°-40°	674.9	24.0
40°-50°	235.7	8.4
50°-60°	89.8	3.2
60°-70°	70.5	2.5
70°-80°	59.6	2.1
80°-90°	19.2	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°	1658.3	59.1
0°-40°	2333.2	83.1
0°-60°	2658.8	94.7
0°-90°	2808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2808.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1910	
5°	1919	185
15°	2094	591
25°	1955	883
35°	1098	675
45°	277	236
55°	96	90
65°	70	70
75°	57	60
85°	18	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1910.4
2.5°	1905.1
5°	1919.3
7.5°	1939.0
10°	1965.8
12.5°	2026.5
15°	2094.4
17.5°	2135.4
20°	2119.3
22.5°	2055.0
25°	1955.1
27.5°	1812.2
30°	1612.2
32.5°	1373.0
35°	1098.0
37.5°	814.2
40°	578.5
42.5°	405.3
45°	276.8
47.5°	194.6
50°	150.0
52.5°	117.8
55°	96.4
57.5°	78.6
60°	71.4
62.5°	69.7
65°	69.7
67.5°	73.2
70°	71.4
72.5°	66.0
75°	57.1
77.5°	48.2
80°	37.5
82.5°	26.8
85°	17.8
87.5°	7.1
90°	0.0



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— 0°-180°







(END OF REPORT)