

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: P581996

Luminaire Tested: **HC625D010-HM60525827-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581996
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-HM60525827-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2610.9 lumens
Efficiency: N/A
Efficacy: 97.4 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

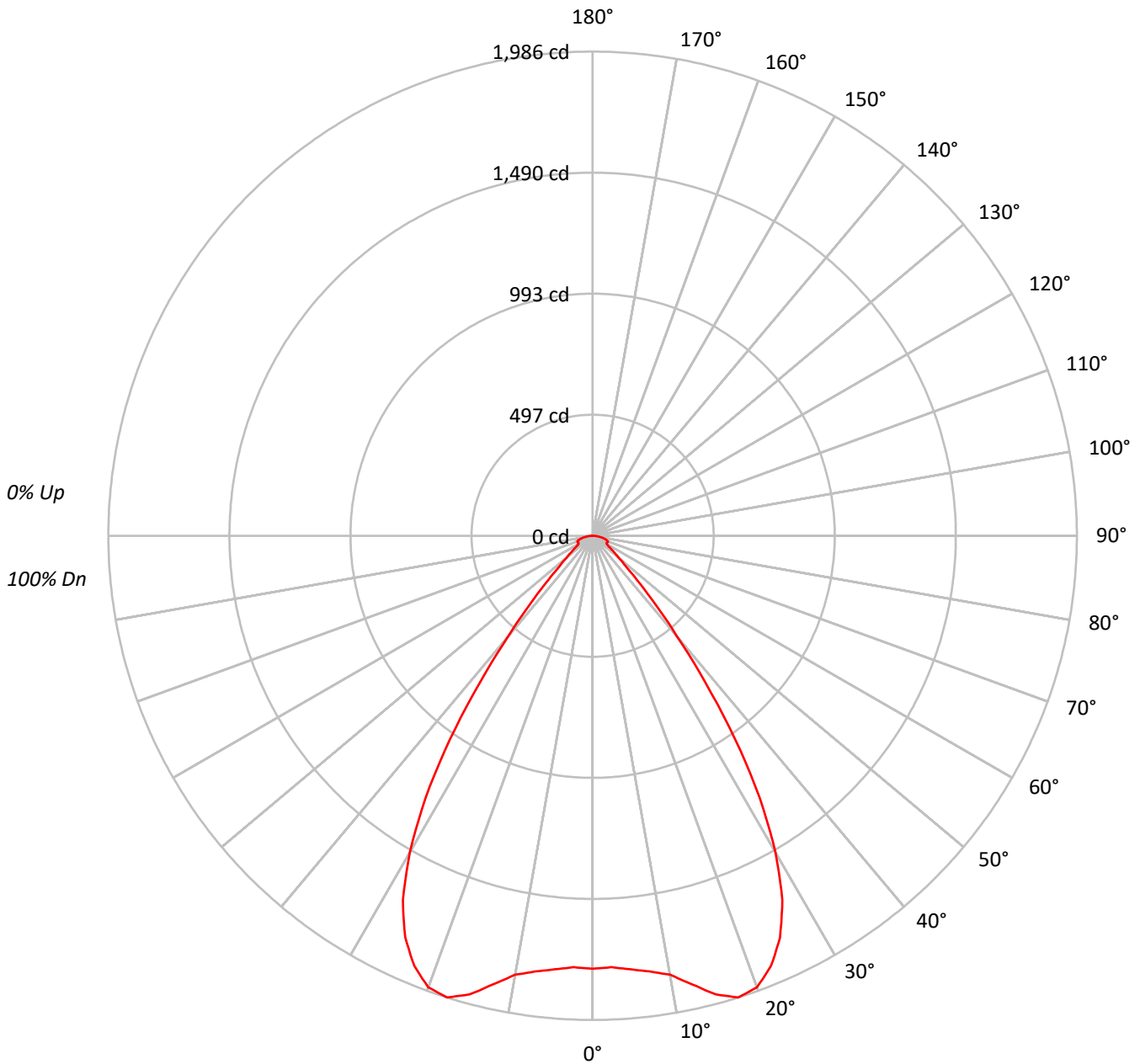
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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°	97383
5°	98206
10°	101746
15°	110517
20°	114962
25°	109960
30°	94894
35°	68322
40°	38494
45°	19956
50°	11897
55°	8564
60°	7280
65°	8406
70°	10643
75°	11247
80°	10986
85°	10378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	6.6
10°-20°	549.2	21.0
20°-30°	820.9	31.4
30°-40°	627.5	24.0
40°-50°	219.2	8.4
50°-60°	83.5	3.2
60°-70°	65.5	2.5
70°-80°	55.4	2.1
80°-90°	17.8	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°	1541.9	59.1
0°-40°	2169.4	83.1
0°-60°	2472.1	94.7
0°-90°	2610.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2610.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1776	
5°	1785	172
15°	1947	549
25°	1818	821
35°	1021	628
45°	257	219
55°	90	83
65°	65	66
75°	53	55
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1776.4
2.5°	1771.4
5°	1784.6
7.5°	1802.9
10°	1827.8
12.5°	1884.3
15°	1947.3
17.5°	1985.5
20°	1970.6
22.5°	1910.8
25°	1817.9
27.5°	1685.0
30°	1499.1
32.5°	1276.7
35°	1020.9
37.5°	757.1
40°	537.9
42.5°	376.9
45°	257.4
47.5°	180.9
50°	139.5
52.5°	109.5
55°	89.6
57.5°	73.0
60°	66.4
62.5°	64.8
65°	64.8
67.5°	68.0
70°	66.4
72.5°	61.4
75°	53.1
77.5°	44.9
80°	34.8
82.5°	24.9
85°	16.5
87.5°	6.6
90°	0.0



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— 0°-180°







(END OF REPORT)