

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: P582122

Luminaire Tested: **HC625D010-HM60525940-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582122
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-HM60525940-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2565.9 lumens
Efficiency: N/A
Efficacy: 95.7 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

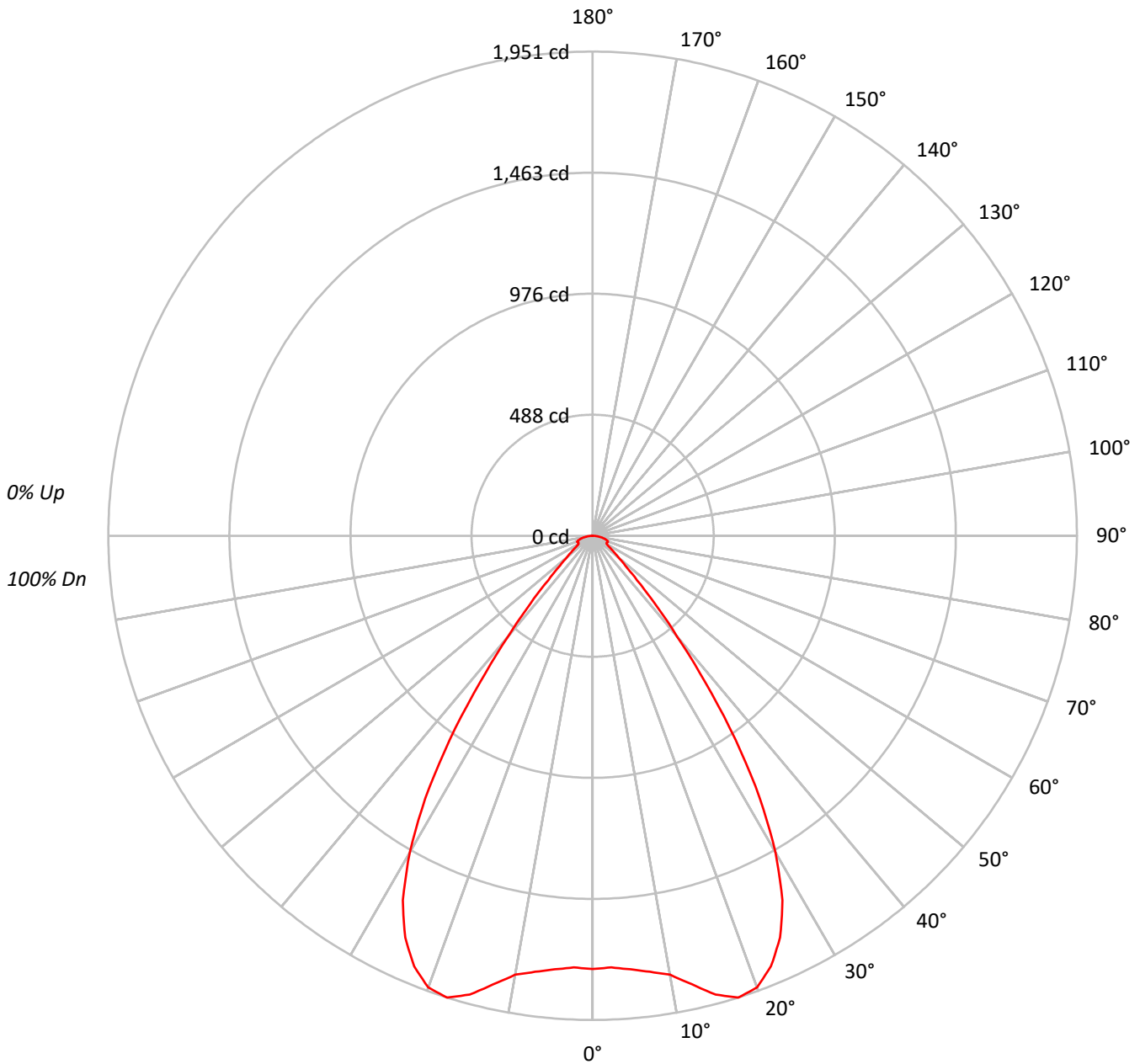
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	95700
5°	96511
10°	99987
15°	108610
20°	112972
25°	108055
30°	93255
35°	67151
40°	37828
45°	19607
50°	11693
55°	8420
60°	7160
65°	8263
70°	10467
75°	11078
80°	10797
85°	10253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.8	6.6
10°-20°	539.7	21.0
20°-30°	806.7	31.4
30°-40°	616.7	24.0
40°-50°	215.4	8.4
50°-60°	82.1	3.2
60°-70°	64.4	2.5
70°-80°	54.5	2.1
80°-90°	17.5	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°	1515.2	59.1
0°-40°	2131.9	83.1
0°-60°	2429.4	94.7
0°-90°	2565.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2565.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1746	
5°	1754	169
15°	1914	540
25°	1786	807
35°	1003	617
45°	253	215
55°	88	82
65°	64	64
75°	52	55
85°	16	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1745.7
2.5°	1740.8
5°	1753.8
7.5°	1771.7
10°	1796.2
12.5°	1851.7
15°	1913.7
17.5°	1951.2
20°	1936.5
22.5°	1877.7
25°	1786.4
27.5°	1656.0
30°	1473.2
32.5°	1254.6
35°	1003.4
37.5°	743.9
40°	528.6
42.5°	370.4
45°	252.9
47.5°	177.8
50°	137.1
52.5°	107.6
55°	88.1
57.5°	71.8
60°	65.3
62.5°	63.7
65°	63.7
67.5°	66.9
70°	65.3
72.5°	60.4
75°	52.3
77.5°	44.1
80°	34.2
82.5°	24.4
85°	16.3
87.5°	6.5
90°	0.0



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— 0°-180°







(END OF REPORT)