

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: P582120

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582120
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-HM60525940-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2412.4 lumens
Efficiency: N/A
Efficacy: 90.0 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

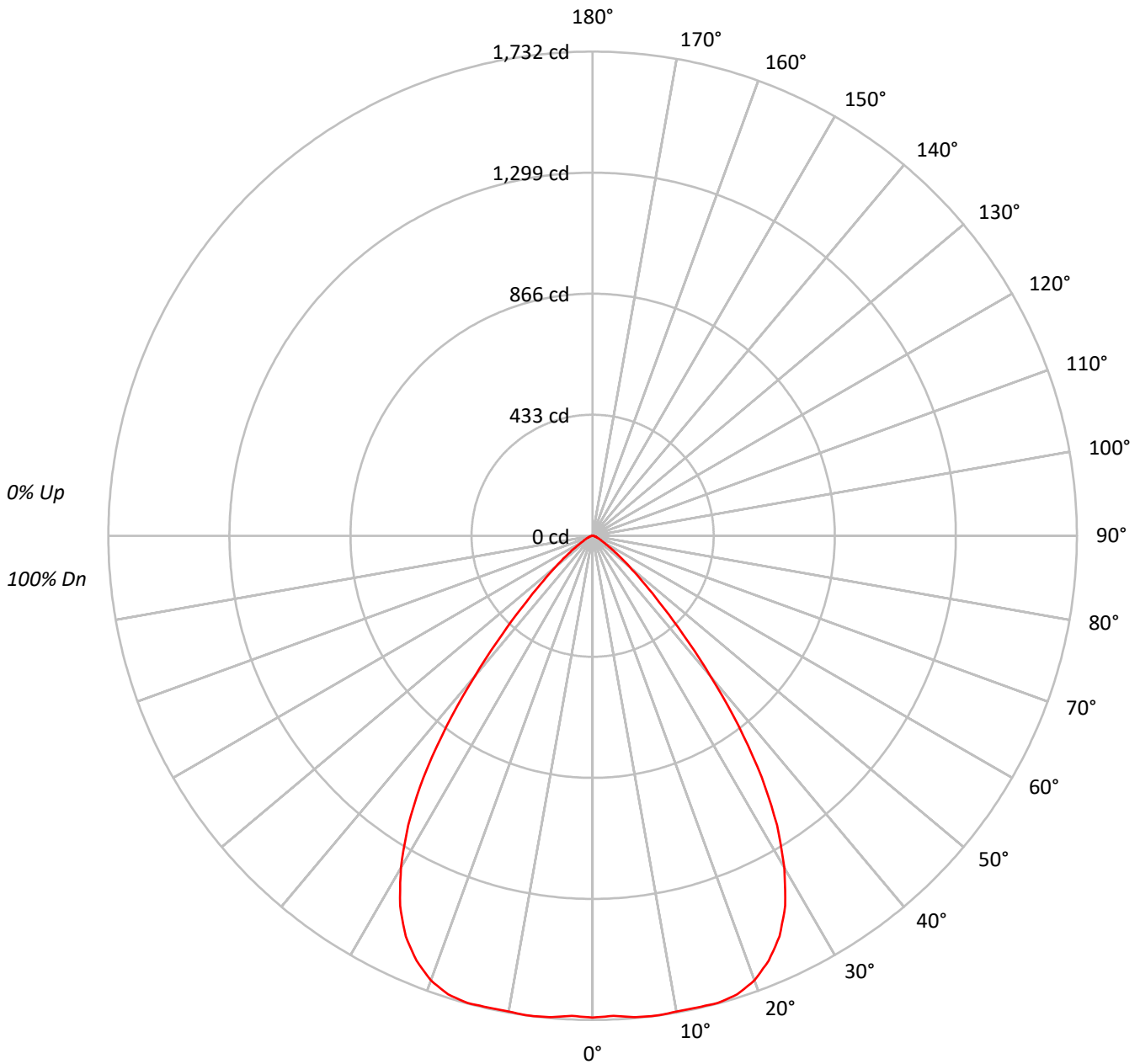
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94483
5°	95113
10°	96213
15°	98184
20°	98732
25°	95661
30°	86779
35°	70557
40°	46831
45°	26065
50°	14618
55°	8105
60°	4473
65°	3386
70°	2356
75°	1716
80°	1042
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	6.8
10°-20°	487.8	20.2
20°-30°	719.0	29.8
30°-40°	643.0	26.7
40°-50°	279.0	11.6
50°-60°	82.0	3.4
60°-70°	26.2	1.1
70°-80°	9.2	0.4
80°-90°	1.3	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°	1371.7	56.9
0°-40°	2014.8	83.5
0°-60°	2375.7	98.5
0°-90°	2412.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2412.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1724	
5°	1728	165
15°	1730	488
25°	1582	719
35°	1054	643
45°	336	279
55°	85	82
65°	26	26
75°	8	9
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1723.5
2.5°	1718.6
5°	1728.4
7.5°	1731.6
10°	1728.4
12.5°	1728.4
15°	1730.0
17.5°	1720.2
20°	1692.4
22.5°	1645.2
25°	1581.5
27.5°	1491.7
30°	1370.9
32.5°	1227.3
35°	1054.3
37.5°	856.8
40°	654.4
42.5°	478.1
45°	336.2
47.5°	239.9
50°	171.4
52.5°	122.4
55°	84.8
57.5°	57.1
60°	40.8
62.5°	32.7
65°	26.1
67.5°	19.5
70°	14.7
72.5°	11.4
75°	8.1
77.5°	6.5
80°	3.3
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)