

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: P582013

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525830-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2606.3 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

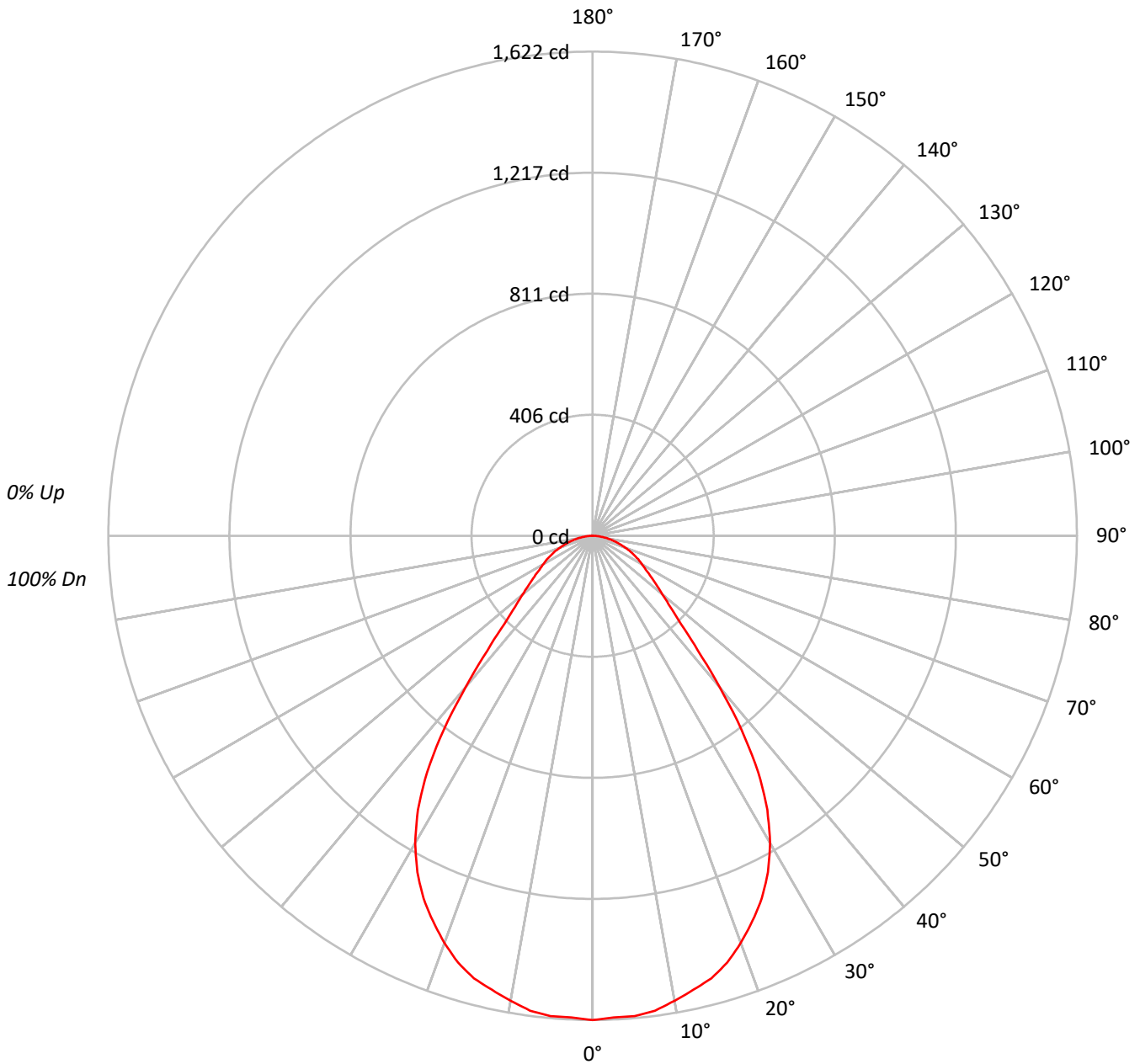
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88940
5°	88884
10°	88030
15°	87112
20°	84655
25°	81083
30°	75246
35°	64735
40°	47253
45°	32375
50°	26029
55°	22690
60°	20941
65°	19911
70°	18593
75°	17390
80°	15785
85°	13460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	5.9
10°-20°	431.1	16.5
20°-30°	613.1	23.5
30°-40°	590.2	22.6
40°-50°	339.6	13.0
50°-60°	215.2	8.3
60°-70°	152.4	5.8
70°-80°	86.8	3.3
80°-90°	24.8	0.9
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°	1197.3	45.9
0°-40°	1787.5	68.6
0°-60°	2342.3	89.9
0°-90°	2606.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2606.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1622	
5°	1615	153
15°	1535	431
25°	1340	613
35°	967	590
45°	418	340
55°	237	215
65°	154	152
75°	82	87
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1622.4
2.5°	1615.2
5°	1615.2
7.5°	1604.6
10°	1581.4
12.5°	1558.1
15°	1534.9
17.5°	1499.2
20°	1451.1
22.5°	1397.5
25°	1340.5
27.5°	1270.8
30°	1188.7
32.5°	1088.7
35°	967.3
37.5°	819.2
40°	660.3
42.5°	521.1
45°	417.6
47.5°	351.6
50°	305.2
52.5°	267.8
55°	237.4
57.5°	210.6
60°	191.0
62.5°	173.2
65°	153.5
67.5°	135.7
70°	116.0
72.5°	98.1
75°	82.1
77.5°	66.0
80°	50.0
82.5°	35.7
85°	21.4
87.5°	8.9
90°	0.0



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— 0°-180°







(END OF REPORT)