

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: P582078

Luminaire Tested: **HC625D010-HM60525930-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525930-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2082.6 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

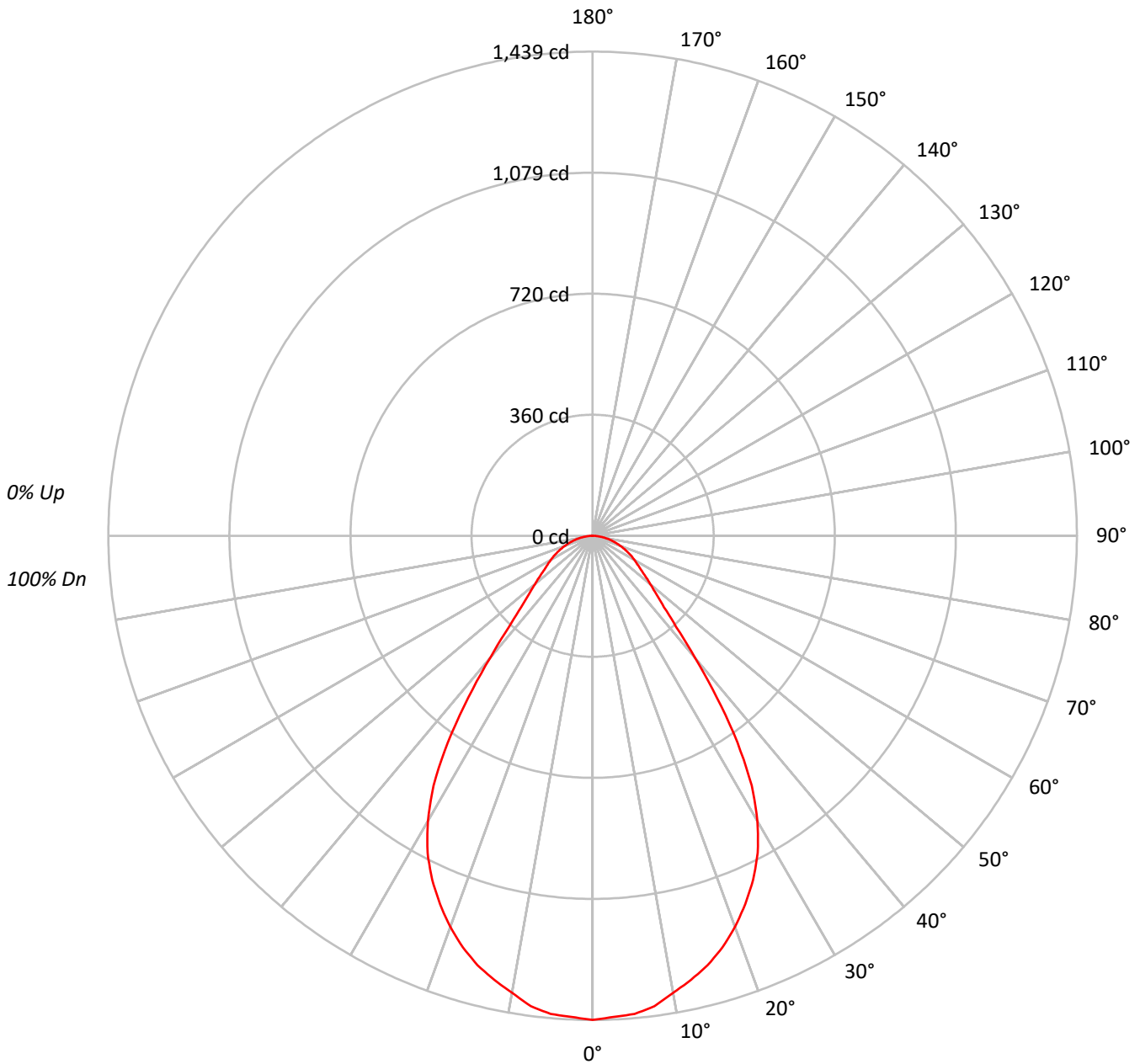
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78881
5°	78511
10°	76780
15°	74972
20°	72153
25°	68242
30°	62016
35°	50192
40°	33849
45°	23266
50°	19061
55°	16678
60°	15766
65°	14891
70°	13977
75°	13302
80°	12060
85°	10567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	6.5
10°-20°	371.0	17.8
20°-30°	515.4	24.7
30°-40°	458.9	22.0
40°-50°	243.6	11.7
50°-60°	159.3	7.6
60°-70°	114.1	5.5
70°-80°	66.2	3.2
80°-90°	19.3	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°	1021.1	49.0
0°-40°	1480.0	71.1
0°-60°	1882.9	90.4
0°-90°	2082.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2082.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1439	
5°	1427	135
15°	1321	371
25°	1128	515
35°	750	459
45°	300	244
55°	174	159
65°	115	114
75°	63	66
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1438.9
2.5°	1431.3
5°	1426.7
7.5°	1409.9
10°	1379.3
12.5°	1351.7
15°	1321.0
17.5°	1282.8
20°	1236.8
22.5°	1184.8
25°	1128.2
27.5°	1062.4
30°	979.7
32.5°	880.2
35°	750.0
37.5°	606.2
40°	473.0
42.5°	367.4
45°	300.1
47.5°	255.6
50°	223.5
52.5°	197.5
55°	174.5
57.5°	157.6
60°	143.8
62.5°	130.1
65°	114.8
67.5°	101.0
70°	87.2
72.5°	75.1
75°	62.8
77.5°	50.5
80°	38.2
82.5°	27.6
85°	16.8
87.5°	7.6
90°	0.0



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— 0°-180°







(END OF REPORT)