

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: P582003

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525830-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2465.3 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

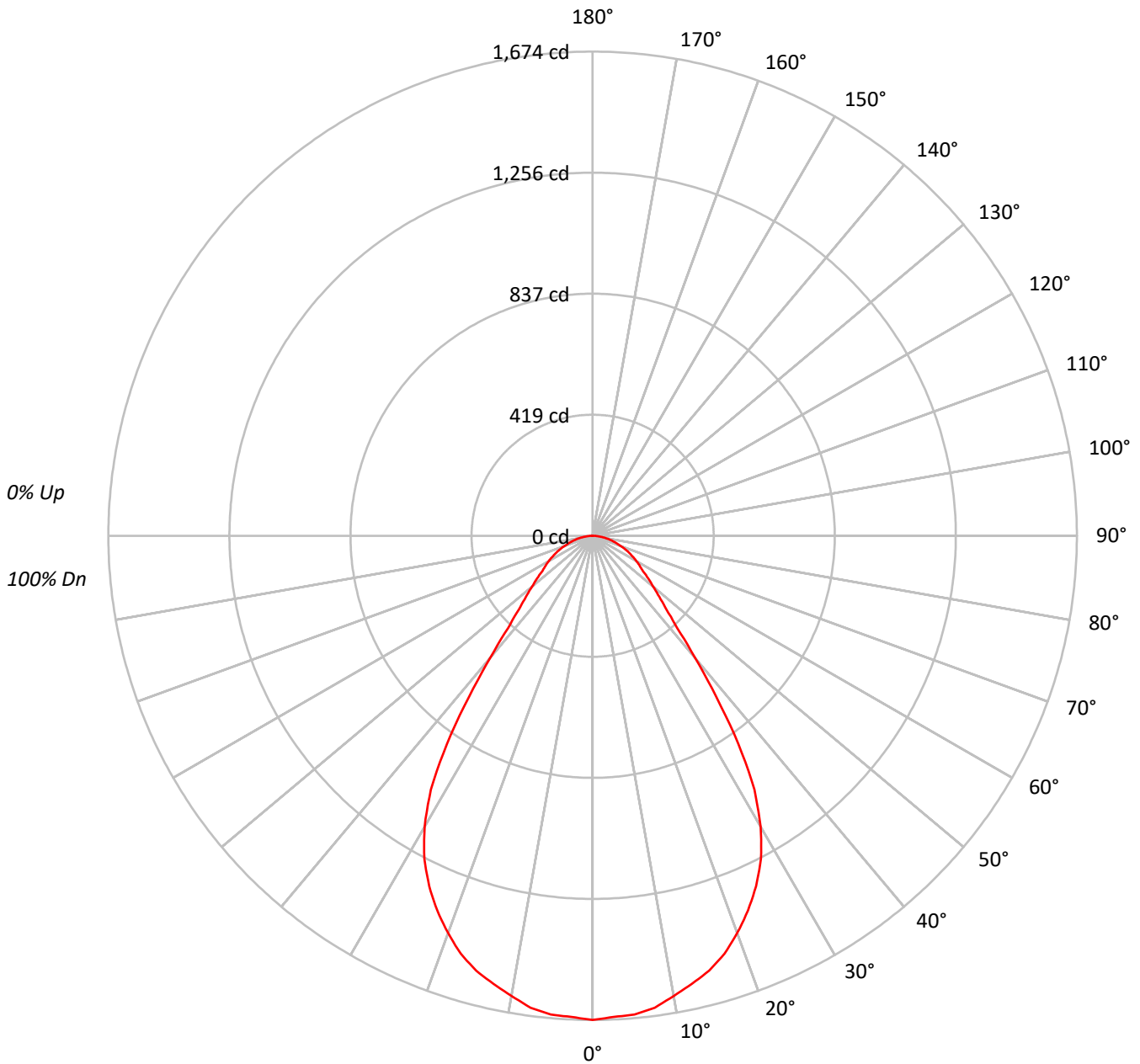
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91769
5°	91437
10°	89906
15°	88321
20°	85267
25°	80853
30°	73549
35°	58765
40°	39209
45°	27949
50°	23283
55°	20300
60°	19176
65°	18056
70°	16589
75°	15504
80°	14080
85°	12391



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	6.4
10°-20°	437.0	17.7
20°-30°	610.6	24.8
30°-40°	537.9	21.8
40°-50°	290.6	11.8
50°-60°	194.3	7.9
60°-70°	137.7	5.6
70°-80°	77.4	3.1
80°-90°	22.6	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°	1204.7	48.9
0°-40°	1742.6	70.7
0°-60°	2227.5	90.4
0°-90°	2465.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2465.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1674	
5°	1662	157
15°	1556	437
25°	1337	611
35°	878	538
45°	360	291
55°	212	194
65°	139	138
75°	73	77
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1674.0
2.5°	1665.1
5°	1661.6
7.5°	1645.6
10°	1615.1
12.5°	1586.7
15°	1556.2
17.5°	1515.3
20°	1461.6
22.5°	1402.7
25°	1336.7
27.5°	1260.0
30°	1161.9
32.5°	1040.5
35°	878.1
37.5°	701.4
40°	547.9
42.5°	431.9
45°	360.5
47.5°	312.4
50°	273.0
52.5°	241.0
55°	212.4
57.5°	192.7
60°	174.9
62.5°	157.0
65°	139.2
67.5°	121.4
70°	103.5
72.5°	87.5
75°	73.2
77.5°	58.9
80°	44.6
82.5°	32.1
85°	19.7
87.5°	8.9
90°	0.0



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— 0°-180°







(END OF REPORT)