

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: P582067

Luminaire Tested: **HC625D010-HM60525927-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582067
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-HM60525927-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2046.7 lumens
Efficiency: N/A
Efficacy: 76.4 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

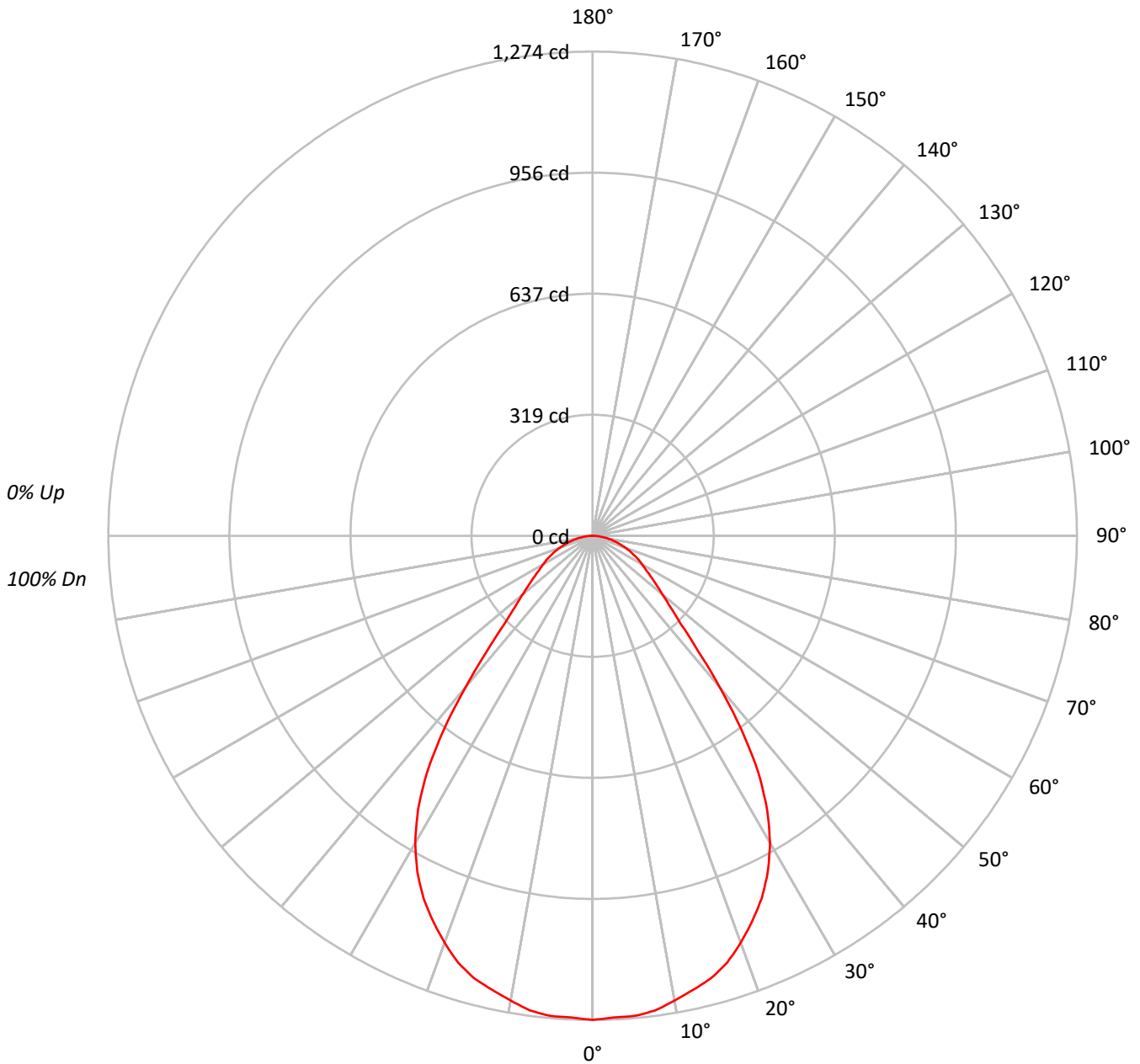
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69835
5°	69800
10°	69120
15°	68406
20°	66477
25°	63663
30°	59085
35°	50835
40°	37112
45°	25421
50°	20443
55°	17815
60°	16446
65°	15631
70°	14602
75°	13662
80°	12375
85°	10567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	5.9
10°-20°	338.5	16.5
20°-30°	481.4	23.5
30°-40°	463.5	22.6
40°-50°	266.7	13.0
50°-60°	169.0	8.3
60°-70°	119.6	5.8
70°-80°	68.2	3.3
80°-90°	19.4	1.0
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°	940.2	45.9
0°-40°	1403.7	68.6
0°-60°	1839.4	89.9
0°-90°	2046.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2046.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1274	
5°	1268	120
15°	1205	339
25°	1052	481
35°	760	463
45°	328	267
55°	186	169
65°	120	120
75°	64	68
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1273.9
2.5°	1268.4
5°	1268.4
7.5°	1260.0
10°	1241.7
12.5°	1223.6
15°	1205.3
17.5°	1177.3
20°	1139.5
22.5°	1097.4
25°	1052.5
27.5°	997.9
30°	933.4
32.5°	854.9
35°	759.6
37.5°	643.3
40°	518.6
42.5°	409.2
45°	327.9
47.5°	276.2
50°	239.7
52.5°	210.3
55°	186.4
57.5°	165.4
60°	150.0
62.5°	136.0
65°	120.5
67.5°	106.5
70°	91.1
72.5°	77.1
75°	64.5
77.5°	51.9
80°	39.2
82.5°	28.1
85°	16.8
87.5°	7.0
90°	0.0



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— 0°-180°







(END OF REPORT)