

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: P582111

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582111
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-HM60525940-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2252.7 lumens
Efficiency: N/A
Efficacy: 84.1 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

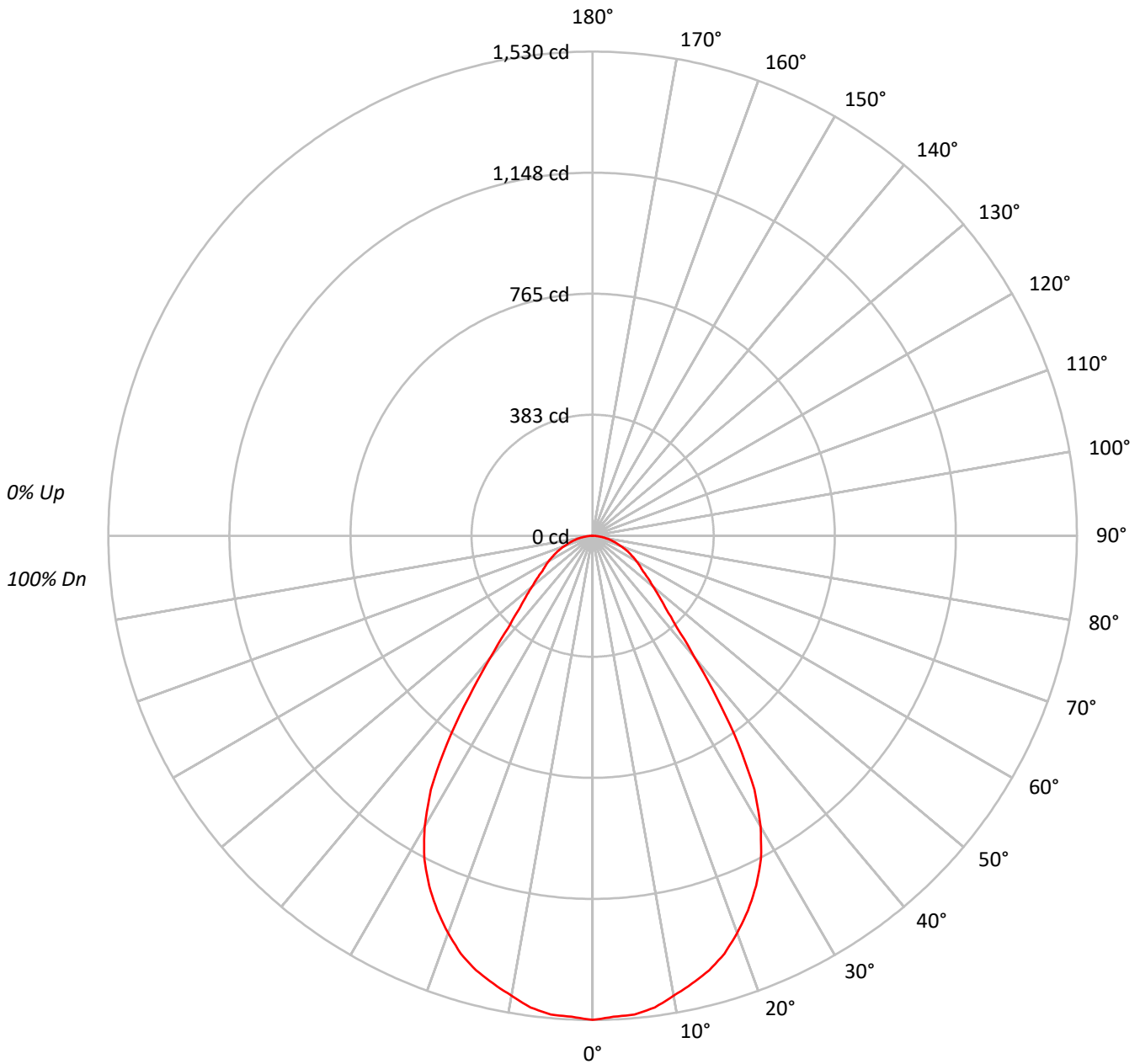
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	83858
5°	83551
10°	82157
15°	80704
20°	77917
25°	73879
30°	67207
35°	53692
40°	35831
45°	25538
50°	21279
55°	18551
60°	17521
65°	16500
70°	15163
75°	14170
80°	12849
85°	11259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	6.4
10°-20°	399.3	17.7
20°-30°	558.0	24.8
30°-40°	491.5	21.8
40°-50°	265.5	11.8
50°-60°	177.6	7.9
60°-70°	125.8	5.6
70°-80°	70.7	3.1
80°-90°	20.6	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°	1100.8	48.9
0°-40°	1592.4	70.7
0°-60°	2035.5	90.4
0°-90°	2252.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2252.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1530	
5°	1518	144
15°	1422	399
25°	1221	558
35°	802	492
45°	329	266
55°	194	178
65°	127	126
75°	67	71
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1529.7
2.5°	1521.5
5°	1518.3
7.5°	1503.6
10°	1475.9
12.5°	1449.7
15°	1422.0
17.5°	1384.6
20°	1335.6
22.5°	1281.8
25°	1221.4
27.5°	1151.4
30°	1061.7
32.5°	950.8
35°	802.3
37.5°	640.9
40°	500.7
42.5°	394.7
45°	329.4
47.5°	285.4
50°	249.5
52.5°	220.2
55°	194.1
57.5°	176.2
60°	159.8
62.5°	143.5
65°	127.2
67.5°	110.9
70°	94.6
72.5°	79.9
75°	66.9
77.5°	53.8
80°	40.7
82.5°	29.3
85°	17.9
87.5°	8.1
90°	0.0



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— 0°-180°







(END OF REPORT)