

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: P593162

Luminaire Tested: **HC625D010-HM60525850-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525850-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2750.7 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

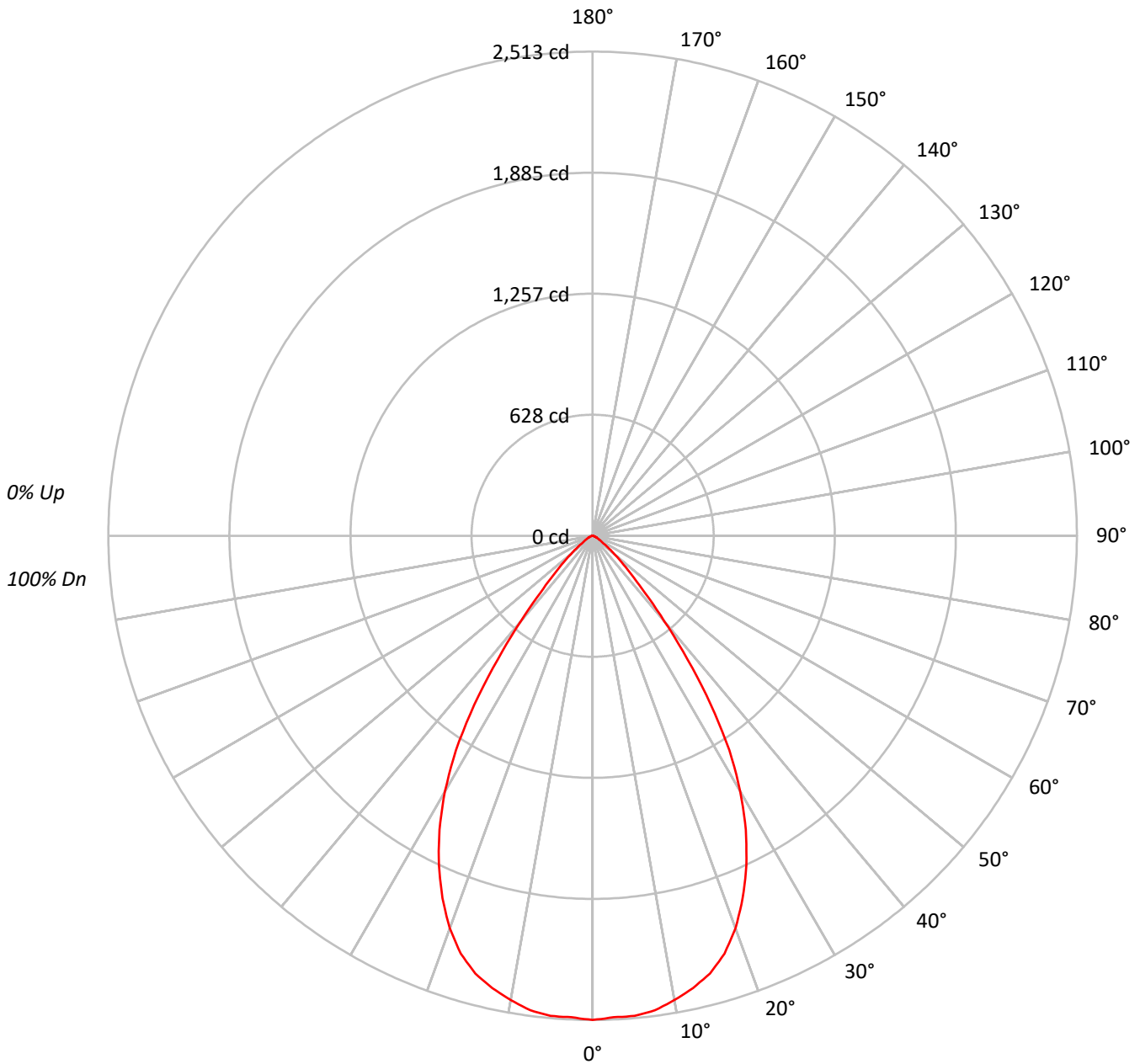
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	72	72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	67	67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	62	62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	57	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137769
5°	137656
10°	136220
15°	133480
20°	126443
25°	114188
30°	96996
35°	71614
40°	41420
45°	21987
50°	12418
55°	6490
60°	4254
65°	3022
70°	2164
75°	1652
80°	1231
85°	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.1	8.6
10°-20°	657.8	23.9
20°-30°	858.6	31.2
30°-40°	656.1	23.9
40°-50°	237.6	8.6
50°-60°	68.9	2.5
60°-70°	24.6	0.9
70°-80°	8.4	0.3
80°-90°	1.6	0.1
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°	1753.4	63.7
0°-40°	2409.6	87.6
0°-60°	2716.1	98.7
0°-90°	2750.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2750.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2513	
5°	2502	237
15°	2352	658
25°	1888	859
35°	1070	656
45°	284	238
55°	68	69
65°	23	25
75°	8	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2513.1
2.5°	2501.5
5°	2501.5
7.5°	2483.9
10°	2447.1
12.5°	2404.4
15°	2351.9
17.5°	2274.2
20°	2167.4
22.5°	2035.4
25°	1887.8
27.5°	1720.7
30°	1532.3
32.5°	1320.7
35°	1070.1
37.5°	807.9
40°	578.8
42.5°	400.1
45°	283.6
47.5°	203.9
50°	145.6
52.5°	102.9
55°	67.9
57.5°	48.5
60°	38.8
62.5°	31.1
65°	23.3
67.5°	19.4
70°	13.5
72.5°	9.6
75°	7.8
77.5°	5.8
80°	3.9
82.5°	1.9
85°	1.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)